



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRW-14G-840K-4000L.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] G002962  
 [TESTLAB] V-LABS  
 [TESTDATE] 2018-07-31  
 [ISSUEDATE] 2019-12-03  
 [MANUFAC] MERCURY LIGHTING  
 [MORE]FAIRFIELD, NEW JERSEY  
 [LUMCAT] LRW1X4-840K-4000LUNV  
 [LUMINAIRE] 1x4 RECESSED T-BAR LED LUMINAIRE  
 [MORE]HIGH REFLECTANCE WHITE INTERIOR  
 [MORE]NO DOOR FRAME-ONE PIECE WHITE TRANSLUCENT POLYCARBONATE LENS  
 [\_WATTAGE] 31  
 [\_LUMENS]4029  
 [\_EFFICACY]130

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4029
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.97 ft
Luminous Width (90-270)	0.97 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3695	3710	3700
55	3430	3472	3451
65	3119	3211	3134
75	2689	2821	2606
85	1431	2040	2088

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**CANDELA TABULATION**

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
<b>0</b>	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69
<b>1</b>	1543.38	1543.11	1542.85	1542.60	1542.37	1542.14	1541.93	1541.73	1541.55	1541.39
<b>2</b>	1542.32	1541.80	1541.30	1540.83	1540.39	1539.99	1539.62	1539.30	1539.02	1538.73
<b>3</b>	1540.62	1539.84	1539.11	1538.43	1537.82	1537.27	1536.79	1536.36	1535.97	1535.66
<b>4</b>	1538.11	1537.08	1536.14	1535.29	1534.55	1533.92	1533.38	1532.92	1532.58	1532.27
<b>5</b>	1534.96	1533.68	1532.54	1531.54	1530.69	1530.00	1529.43	1529.02	1528.70	1528.50
<b>6</b>	1531.15	1529.63	1528.31	1527.19	1526.29	1525.58	1525.03	1524.66	1524.44	1524.36
<b>7</b>	1526.52	1524.77	1523.28	1522.06	1521.13	1520.48	1520.11	1519.87	1519.82	1519.92
<b>8</b>	1521.36	1519.37	1517.72	1516.44	1515.52	1514.89	1514.59	1514.53	1514.77	1515.14
<b>9</b>	1515.23	1513.05	1511.31	1510.02	1509.15	1508.72	1508.62	1508.83	1509.29	1509.97
<b>10</b>	1508.81	1506.37	1504.45	1503.09	1502.27	1501.96	1502.03	1502.58	1503.45	1504.52
<b>11</b>	1501.54	1498.90	1496.89	1495.56	1494.84	1494.73	1495.14	1495.98	1497.08	1498.70
<b>12</b>	1493.54	1490.70	1488.64	1487.35	1486.79	1486.91	1487.63	1488.88	1490.59	1492.40
<b>13</b>	1484.95	1481.91	1479.75	1478.50	1478.14	1478.57	1479.66	1481.35	1483.52	1486.14
<b>14</b>	1475.77	1472.53	1470.33	1469.20	1469.02	1469.70	1471.24	1473.43	1476.13	1479.28
<b>15</b>	1465.66	1462.27	1460.04	1458.99	1459.26	1460.45	1462.37	1465.09	1468.42	1467.23
<b>16</b>	1455.20	1451.66	1449.48	1448.64	1448.92	1450.31	1453.05	1456.39	1457.39	1454.92
<b>17</b>	1444.02	1440.29	1438.10	1437.43	1438.20	1440.17	1443.05	1447.25	1444.52	1442.41
<b>18</b>	1432.36	1428.46	1426.26	1425.74	1426.77	1429.30	1433.09	1433.90	1431.41	1429.60
<b>19</b>	1419.94	1415.92	1413.79	1413.52	1414.96	1417.93	1422.35	1420.29	1417.72	1416.65
<b>20</b>	1406.99	1402.79	1400.65	1400.65	1402.60	1406.16	1409.23	1406.05	1404.14	1403.38
<b>21</b>	1393.49	1389.20	1387.21	1387.39	1389.62	1393.96	1394.29	1391.49	1390.19	1389.80
<b>22</b>	1379.33	1374.91	1373.02	1373.60	1376.35	1381.14	1379.07	1376.68	1375.86	1376.21
<b>23</b>	1364.60	1360.06	1358.24	1359.17	1362.63	1367.04	1363.32	1361.64	1361.37	1362.39
<b>24</b>	1349.40	1344.81	1343.17	1344.38	1348.17	1350.72	1347.40	1346.17	1346.59	1348.27
<b>25</b>	1333.71	1329.01	1327.51	1329.20	1333.57	1333.75	1331.28	1330.51	1331.74	1334.03
<b>26</b>	1317.38	1312.67	1311.42	1313.44	1318.51	1316.75	1314.54	1314.79	1316.47	1319.59
<b>27</b>	1300.89	1295.94	1294.71	1297.29	1302.99	1299.39	1297.82	1298.61	1301.09	1305.15
<b>28</b>	1283.50	1278.58	1277.69	1280.60	1285.42	1281.66	1280.88	1282.11	1285.75	1287.05
<b>29</b>	1265.88	1260.90	1260.25	1263.49	1266.69	1263.66	1263.46	1265.72	1269.98	1267.81
<b>30</b>	1247.86	1242.79	1242.30	1246.13	1247.74	1245.34	1245.88	1249.07	1251.97	1248.53
<b>31</b>	1229.40	1224.30	1224.05	1228.32	1228.57	1226.69	1228.19	1232.18	1232.16	1229.14
<b>32</b>	1210.13	1205.18	1205.36	1210.26	1209.09	1207.98	1210.19	1215.01	1212.17	1209.68
<b>33</b>	1191.05	1185.92	1186.32	1191.83	1189.44	1189.01	1192.02	1195.74	1191.87	1190.01
<b>34</b>	1171.27	1166.19	1166.87	1172.98	1169.50	1169.86	1173.74	1174.75	1171.55	1170.48
<b>35</b>	1151.15	1146.13	1147.19	1152.67	1149.28	1150.52	1155.35	1153.63	1151.17	1151.04
<b>36</b>	1130.73	1125.74	1127.12	1131.60	1129.00	1130.84	1136.87	1132.50	1130.87	1131.36
<b>37</b>	1110.16	1105.22	1106.99	1110.29	1108.44	1111.27	1115.12	1111.40	1110.36	1111.56
<b>38</b>	1089.15	1084.22	1086.33	1089.07	1087.59	1091.54	1092.87	1090.14	1090.00	1091.86
<b>39</b>	1067.97	1063.04	1065.52	1067.23	1066.90	1071.58	1070.94	1068.89	1069.50	1072.21
<b>40</b>	1046.65	1041.61	1044.52	1045.45	1045.88	1051.57	1048.88	1047.59	1049.17	1050.41
<b>41</b>	1024.69	1019.98	1023.28	1023.54	1024.84	1030.94	1026.75	1026.30	1028.72	1028.08
<b>42</b>	1002.63	998.06	1001.94	1001.46	1003.69	1007.86	1004.52	1005.08	1008.20	1005.87
<b>43</b>	980.52	976.02	980.22	979.39	982.47	984.91	982.51	983.89	985.35	983.59
<b>44</b>	958.13	953.72	958.44	956.98	961.23	961.91	960.47	962.76	962.52	961.49
<b>45</b>	935.60	931.33	936.47	934.77	939.85	938.94	938.39	941.64	939.79	939.52
<b>46</b>	912.99	908.71	913.90	912.38	918.58	915.95	916.50	918.75	917.24	917.55
<b>47</b>	890.33	886.13	890.56	889.96	896.83	893.07	894.55	895.63	894.85	895.65
<b>48</b>	867.08	863.28	867.26	867.56	872.82	870.21	872.80	872.50	872.42	873.95
<b>49</b>	844.21	840.33	843.97	845.08	849.06	847.57	851.04	849.56	850.22	852.39
<b>50</b>	820.87	817.41	820.38	822.81	825.45	824.93	827.62	826.79	828.32	830.72
<b>51</b>	797.70	794.31	797.27	800.35	801.74	802.34	804.11	804.10	806.51	806.92
<b>52</b>	774.48	771.29	773.79	778.15	778.34	779.95	780.82	781.78	784.61	783.39
<b>53</b>	751.35	748.29	750.59	755.75	754.91	757.74	757.72	759.50	762.02	759.78

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54	727.72	725.14	727.37	733.56	731.65	735.31	734.76	737.42	738.10	736.40
55	704.49	701.91	704.10	710.58	708.47	711.53	711.98	715.42	714.41	713.21
56	681.08	678.77	680.87	686.58	685.64	687.95	689.52	692.96	690.93	690.18
57	657.55	655.63	657.82	662.49	662.80	664.61	667.28	669.13	667.77	667.34
58	634.20	632.50	634.82	638.67	640.51	641.60	645.25	645.39	644.63	644.62
59	611.42	609.51	611.93	615.09	618.15	618.91	623.51	621.92	621.69	622.09
60	587.78	586.55	589.28	591.74	594.98	596.31	600.08	598.69	598.90	599.22
61	564.28	563.59	566.73	568.45	571.54	574.10	576.35	575.72	576.39	576.23
62	541.17	540.69	544.27	545.47	548.28	552.27	552.93	553.01	553.92	553.35
63	518.17	518.00	521.90	522.71	525.50	530.64	529.79	530.47	530.90	530.68
64	494.95	495.21	499.87	500.23	502.81	507.55	506.88	508.14	508.28	508.21
65	471.96	472.10	477.03	477.85	480.49	483.99	484.18	485.53	485.75	486.00
66	449.00	448.82	453.35	455.51	458.52	460.66	461.84	462.98	463.47	463.89
67	426.35	425.92	429.73	432.09	436.80	437.73	439.87	440.67	441.43	441.88
68	403.21	402.72	406.48	409.00	414.86	415.15	417.53	418.64	419.58	419.76
69	380.95	380.23	383.20	386.30	391.31	392.79	395.26	396.74	397.90	396.72
70	358.24	357.79	360.16	363.91	368.27	370.82	373.11	375.04	375.90	373.81
71	336.06	335.30	337.62	342.08	345.59	348.94	351.43	353.61	353.27	351.04
72	314.13	313.02	315.34	320.58	323.37	327.00	330.08	331.98	330.69	328.47
73	292.53	290.92	293.34	299.39	301.69	305.55	309.06	309.63	308.29	306.05
74	270.89	268.96	271.20	276.91	280.41	284.50	288.26	287.55	286.12	283.71
75	249.26	247.31	249.39	255.04	259.42	263.91	266.41	265.69	264.06	261.49
76	227.59	225.91	228.26	233.80	238.83	243.77	244.86	244.07	242.18	239.37
77	205.95	204.12	207.90	213.20	218.85	223.01	223.63	222.65	220.42	217.36
78	184.24	182.10	188.21	193.23	199.42	202.22	202.70	201.43	198.69	195.45
79	162.81	160.85	168.03	173.78	180.31	181.93	182.05	180.15	177.08	173.63
80	141.59	140.34	148.09	155.19	160.56	162.05	161.51	158.94	155.61	151.89
81	120.98	120.61	129.17	137.33	141.37	142.55	140.83	137.89	134.26	130.24
82	100.79	101.70	111.32	119.49	122.71	122.72	120.34	117.00	113.01	108.65
83	81.33	83.82	94.48	101.73	104.35	102.93	100.03	96.22	91.84	88.09
84	62.56	67.29	78.75	84.61	85.44	83.36	79.88	75.56	74.93	75.86
85	44.67	51.10	63.09	67.66	66.89	64.01	60.20	61.75	62.88	63.66
86	27.63	37.03	48.07	50.51	48.62	46.93	48.70	49.96	50.86	51.49
87	12.35	25.81	33.50	33.80	34.03	35.92	37.27	38.21	38.88	39.34
88	5.63	15.58	19.43	21.73	23.75	25.00	25.89	26.50	26.93	27.21
89	3.53	7.29	10.64	12.58	13.56	14.13	14.54	14.81	14.99	15.10
90	2.33	3.57	3.65	3.51	3.42	3.29	3.21	3.13	3.05	2.99

**Vert. Angles**      **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69
1	1541.25	1541.13	1541.03	1540.91	1540.81	1540.73	1540.67	1540.64	1540.63	1540.63
2	1538.47	1538.25	1538.07	1537.92	1537.81	1537.75	1537.65	1537.59	1537.58	1537.58
3	1535.40	1535.18	1535.04	1534.84	1534.72	1534.64	1534.62	1534.54	1534.52	1534.53
4	1532.04	1531.85	1531.75	1531.65	1531.58	1531.52	1531.50	1531.49	1531.47	1531.48
5	1528.36	1528.30	1528.29	1528.30	1528.34	1528.36	1528.38	1528.43	1528.41	1528.42
6	1524.39	1524.50	1524.68	1524.82	1525.03	1525.18	1525.25	1525.36	1525.36	1525.36
7	1520.15	1520.48	1520.85	1521.23	1521.57	1521.91	1522.10	1522.25	1522.30	1522.27
8	1515.62	1516.21	1516.87	1517.49	1518.06	1518.62	1518.94	1519.15	1519.25	1519.19
9	1510.83	1511.73	1512.70	1513.63	1514.50	1515.21	1515.77	1516.05	1516.20	1516.10
10	1505.72	1507.05	1508.38	1509.65	1510.82	1511.78	1512.56	1512.95	1513.14	1513.01
11	1500.39	1502.14	1503.89	1505.56	1504.57	1503.81	1503.36	1502.97	1502.90	1503.02
12	1494.74	1497.01	1496.26	1494.97	1494.07	1493.44	1493.05	1492.72	1492.66	1492.77
13	1488.50	1486.75	1485.29	1484.21	1483.48	1483.00	1482.69	1482.46	1482.42	1482.52
14	1477.11	1475.40	1474.23	1473.38	1472.84	1472.55	1472.33	1472.21	1472.18	1472.26

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15	1465.35	1463.77	1463.02	1462.44	1462.15	1462.04	1461.99	1461.95	1461.94	1462.01
16	1453.24	1452.30	1451.67	1451.44	1451.39	1451.52	1451.64	1451.69	1451.70	1451.76
17	1441.04	1440.47	1440.12	1440.35	1440.57	1440.95	1441.30	1441.44	1441.46	1441.51
18	1428.71	1428.42	1428.66	1429.16	1429.73	1430.37	1430.93	1431.17	1431.21	1431.23
19	1416.16	1416.29	1417.05	1417.88	1418.85	1419.77	1420.53	1420.89	1420.97	1420.94
20	1403.39	1404.09	1405.25	1406.50	1407.92	1409.14	1410.14	1410.60	1410.73	1410.64
21	1390.53	1391.74	1393.32	1395.13	1396.96	1396.44	1395.57	1394.92	1394.68	1394.96
22	1377.49	1379.22	1381.36	1383.08	1381.28	1380.04	1379.32	1378.82	1378.63	1378.87
23	1364.15	1366.66	1368.31	1366.19	1364.61	1363.62	1363.07	1362.73	1362.57	1362.78
24	1350.84	1353.70	1351.00	1349.18	1347.95	1347.21	1346.82	1346.63	1346.52	1346.68
25	1337.31	1336.01	1333.59	1332.07	1331.19	1330.75	1330.55	1330.51	1330.47	1330.59
26	1320.91	1318.03	1316.12	1314.97	1314.43	1314.29	1314.30	1314.39	1314.42	1314.50
27	1302.47	1300.12	1298.66	1297.88	1297.67	1297.80	1298.04	1298.27	1298.36	1298.42
28	1283.90	1282.00	1281.07	1280.75	1280.88	1281.32	1281.75	1282.14	1282.31	1282.34
29	1265.22	1263.89	1263.51	1263.56	1264.09	1264.79	1265.45	1266.02	1266.26	1266.27
30	1246.54	1245.70	1245.80	1246.33	1247.27	1248.26	1249.16	1249.89	1250.20	1250.20
31	1227.74	1227.52	1228.18	1229.11	1230.42	1231.22	1230.46	1230.15	1230.11	1230.43
32	1208.84	1209.28	1210.41	1211.94	1211.94	1210.89	1210.28	1210.03	1210.02	1210.28
33	1189.93	1190.94	1192.60	1192.90	1191.40	1190.56	1190.11	1189.93	1189.93	1190.13
34	1171.07	1172.58	1173.76	1172.10	1170.91	1170.22	1169.94	1169.82	1169.84	1169.99
35	1152.01	1154.25	1152.66	1151.34	1150.40	1149.90	1149.76	1149.73	1149.75	1149.85
36	1133.06	1133.36	1131.62	1130.57	1129.93	1129.57	1129.60	1129.64	1129.66	1129.72
37	1114.05	1111.82	1110.61	1109.84	1109.46	1109.28	1109.44	1109.55	1109.57	1109.59
38	1092.16	1090.40	1089.51	1089.11	1089.01	1089.00	1089.26	1089.44	1089.48	1089.45
39	1070.45	1068.98	1068.46	1068.41	1068.56	1068.74	1069.09	1069.33	1069.39	1069.31
40	1048.63	1047.57	1047.47	1047.72	1048.14	1048.49	1048.95	1049.23	1049.30	1049.17
41	1026.75	1026.30	1026.55	1027.08	1027.76	1028.17	1027.42	1026.95	1026.81	1026.93
42	1004.95	1005.04	1005.66	1006.51	1006.78	1005.47	1004.82	1004.42	1004.31	1004.44
43	983.27	983.87	984.85	985.44	983.94	982.77	982.24	981.89	981.82	981.96
44	961.69	962.76	964.06	962.44	961.11	960.09	959.66	959.36	959.33	959.48
45	940.24	941.69	941.08	939.47	938.34	937.44	937.08	936.84	936.84	937.00
46	918.89	919.89	917.92	916.54	915.57	914.82	914.51	914.31	914.34	914.51
47	897.70	896.59	894.81	893.66	892.84	892.22	891.95	891.79	891.85	892.03
48	875.39	873.28	871.78	870.78	870.14	869.60	869.40	869.27	869.36	869.55
49	851.82	849.99	848.82	847.99	847.51	846.99	846.87	846.76	846.87	847.08
50	828.34	826.83	825.93	825.31	824.87	824.40	824.34	824.24	824.38	824.61
51	805.12	803.83	803.14	802.61	802.26	801.83	801.49	801.21	801.28	801.56
52	781.83	780.91	780.38	779.93	779.50	778.75	778.40	778.13	778.18	778.45
53	758.66	758.08	757.67	757.20	756.33	755.69	755.32	755.04	755.08	755.34
54	735.66	735.35	735.14	734.09	733.21	732.62	732.24	731.95	731.98	732.23
55	712.81	712.69	711.98	710.99	710.14	709.55	709.16	708.86	708.88	709.13
56	690.07	689.75	688.86	687.95	687.12	686.51	686.10	685.77	685.78	686.04
57	667.44	666.55	665.81	664.92	664.12	663.49	663.05	662.69	662.68	662.94
58	644.41	643.50	642.84	641.97	641.15	640.49	640.00	639.61	639.58	639.85
59	621.37	620.66	619.92	619.03	618.22	617.51	616.96	616.54	616.48	616.76
60	598.44	597.83	597.08	596.15	595.34	594.56	593.92	593.46	593.38	593.68
61	575.63	575.09	574.34	573.39	572.50	571.50	570.39	569.72	569.57	569.95
62	552.97	552.46	551.68	550.71	549.24	547.71	546.57	545.90	545.75	546.15
63	530.42	529.93	529.11	527.42	525.53	523.95	522.77	522.09	521.93	522.35
64	508.02	507.52	506.02	503.75	501.84	500.20	498.97	498.27	498.12	498.55
65	485.76	484.78	482.53	480.16	478.18	476.46	475.19	474.46	474.30	474.75
66	463.62	461.37	459.06	456.66	454.54	452.74	451.42	450.65	450.48	450.94
67	440.55	438.09	435.67	433.20	430.93	429.04	427.65	426.85	426.67	427.14
68	417.42	414.90	412.33	409.77	407.36	405.35	403.88	403.04	402.85	403.34
69	394.36	391.79	389.05	386.38	383.79	381.67	380.12	379.23	379.03	379.55
70	371.43	368.73	365.84	363.02	360.24	358.00	356.37	355.42	355.22	355.75

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**CANDELA TABULATION - (Cont.)**

71	348.61	345.74	342.67	339.68	336.71	334.70	333.36	332.62	332.48	332.94
72	325.89	322.82	319.56	316.54	313.95	312.02	310.66	309.89	309.74	310.20
73	303.28	299.98	296.75	293.93	291.33	289.34	287.95	287.16	287.00	287.46
74	280.73	277.42	274.23	271.36	268.71	266.68	265.25	264.43	264.26	264.73
75	258.35	255.04	251.76	248.82	246.12	244.02	242.55	241.71	241.52	241.99
76	236.11	232.71	229.32	226.30	223.53	221.38	219.86	218.98	218.78	219.26
77	213.95	210.43	206.94	203.79	200.96	198.73	197.17	196.26	196.04	196.53
78	191.85	188.19	184.59	181.31	178.40	176.10	174.48	173.54	173.30	173.79
79	169.82	166.00	162.25	158.84	155.86	153.46	151.79	150.81	150.56	151.06
80	147.84	143.84	139.93	136.39	133.31	130.84	129.10	128.09	127.82	128.33
81	125.92	121.72	117.61	114.74	114.87	114.95	115.07	115.19	115.29	115.40
82	104.03	101.72	102.03	102.27	102.38	102.45	102.56	102.67	102.76	102.86
83	88.77	89.31	89.59	89.79	89.89	89.95	90.05	90.14	90.22	90.31
84	76.46	76.91	77.16	77.33	77.40	77.46	77.54	77.62	77.69	77.77
85	64.16	64.53	64.73	64.87	64.92	64.96	65.03	65.10	65.16	65.22
86	51.89	52.17	52.32	52.41	52.45	52.47	52.52	52.58	52.62	52.68
87	39.63	39.81	39.91	39.96	39.97	39.98	40.01	40.05	40.09	40.13
88	27.37	27.47	27.50	27.51	27.50	27.49	27.51	27.53	27.55	27.59
89	15.13	15.13	15.10	15.06	15.03	15.01	15.00	15.01	15.02	15.04
90	2.89	2.79	2.69	2.62	2.56	2.52	2.49	2.49	2.49	2.50

**Vert. Angles**      **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69
1	1540.66	1540.71	1540.78	1540.88	1540.99	1541.10	1541.23	1541.38	1541.54	1541.73
2	1537.63	1537.73	1537.80	1537.93	1538.10	1538.25	1538.45	1538.69	1538.96	1539.26
3	1534.60	1534.65	1534.75	1534.85	1535.01	1535.19	1535.43	1535.69	1535.99	1536.35
4	1531.50	1531.55	1531.60	1531.68	1531.83	1531.92	1532.10	1532.34	1532.64	1532.97
5	1528.41	1528.40	1528.41	1528.42	1528.42	1528.44	1528.49	1528.62	1528.86	1529.18
6	1525.30	1525.25	1525.17	1525.01	1524.87	1524.69	1524.63	1524.59	1524.65	1524.89
7	1522.17	1522.05	1521.81	1521.48	1521.10	1520.81	1520.45	1520.26	1520.14	1520.15
8	1519.05	1518.83	1518.37	1517.80	1517.26	1516.61	1516.06	1515.56	1515.16	1514.94
9	1515.93	1515.53	1514.85	1514.05	1513.18	1512.27	1511.35	1510.51	1509.82	1509.32
10	1512.77	1512.20	1511.26	1510.19	1509.00	1507.68	1506.40	1505.18	1504.11	1503.26
11	1503.59	1504.21	1505.07	1506.22	1506.65	1502.90	1501.19	1499.52	1498.02	1496.77
12	1493.29	1493.79	1494.56	1495.62	1496.98	1497.93	1495.71	1493.58	1491.56	1489.85
13	1482.94	1483.31	1483.94	1484.87	1486.08	1487.65	1489.82	1487.29	1484.76	1482.43
14	1472.59	1472.81	1473.26	1473.96	1474.94	1476.37	1478.26	1480.71	1477.46	1474.71
15	1462.22	1462.29	1462.55	1463.00	1463.69	1464.85	1466.43	1468.55	1469.98	1466.62
16	1451.81	1451.73	1451.77	1451.92	1452.34	1453.13	1454.35	1456.26	1459.05	1458.24
17	1441.41	1441.09	1440.92	1440.72	1440.83	1441.25	1442.08	1443.68	1446.28	1449.27
18	1430.97	1430.45	1430.03	1429.51	1429.18	1429.16	1429.64	1430.93	1433.02	1436.07
19	1420.50	1419.80	1419.05	1418.17	1417.46	1416.93	1417.00	1417.90	1419.45	1422.15
20	1410.02	1409.13	1407.98	1406.73	1405.58	1404.58	1404.24	1404.52	1405.61	1407.95
21	1395.46	1396.44	1396.86	1395.22	1393.56	1392.08	1391.29	1390.88	1391.59	1393.35
22	1379.30	1380.16	1381.32	1383.05	1381.48	1379.52	1378.03	1377.09	1377.12	1378.59
23	1363.14	1363.84	1364.78	1366.32	1368.28	1366.85	1364.58	1363.14	1362.49	1363.39
24	1346.95	1347.51	1348.20	1349.38	1351.07	1353.86	1351.07	1348.82	1347.76	1347.91
25	1330.75	1331.11	1331.59	1332.46	1333.84	1336.10	1337.42	1334.40	1332.69	1332.06
26	1314.56	1314.74	1314.98	1315.54	1316.60	1318.33	1320.95	1319.94	1317.33	1316.22
27	1298.39	1298.31	1298.33	1298.57	1299.31	1300.58	1302.71	1305.24	1301.73	1299.87
28	1282.18	1281.92	1281.68	1281.54	1281.95	1282.70	1284.31	1287.30	1286.17	1283.35
29	1265.97	1265.54	1265.03	1264.51	1264.46	1264.79	1265.97	1268.25	1270.15	1266.67
30	1249.77	1249.17	1248.29	1247.48	1247.00	1246.79	1247.48	1249.16	1252.37	1249.57
31	1231.07	1232.21	1231.60	1230.47	1229.57	1228.81	1228.95	1230.05	1232.64	1232.57

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

32	1210.85	1211.77	1213.26	1213.46	1211.95	1210.80	1210.31	1210.78	1212.59	1215.35
33	1190.63	1191.37	1192.66	1194.48	1194.43	1192.80	1191.61	1191.48	1192.70	1195.99
34	1170.40	1171.01	1172.07	1173.59	1175.78	1174.70	1173.02	1172.16	1172.79	1175.19
35	1150.16	1150.64	1151.40	1152.71	1154.54	1156.65	1154.36	1152.73	1152.60	1154.39
36	1129.94	1130.22	1130.78	1131.80	1133.32	1135.70	1135.70	1133.48	1132.50	1133.48
37	1109.73	1109.83	1110.18	1110.92	1112.05	1113.99	1116.94	1114.14	1112.29	1112.40
38	1089.48	1089.43	1089.60	1090.06	1090.89	1092.34	1094.83	1094.70	1092.17	1091.57
39	1069.24	1069.04	1069.06	1069.19	1069.69	1070.77	1072.73	1075.25	1072.10	1070.57
40	1049.00	1048.67	1048.47	1048.39	1048.50	1049.20	1050.74	1053.47	1051.77	1049.68
41	1027.46	1028.27	1027.88	1027.61	1027.37	1027.71	1028.80	1030.74	1031.87	1028.60
42	1004.92	1005.70	1006.84	1006.78	1006.28	1006.21	1006.86	1008.32	1011.66	1007.78
43	982.40	983.11	984.19	985.61	985.36	984.78	984.88	985.90	988.51	986.83
44	959.90	960.54	961.51	962.79	964.30	963.43	962.96	963.38	965.43	966.02
45	937.41	938.00	938.88	939.92	941.44	941.96	941.15	941.09	942.45	945.38
46	914.93	915.48	916.24	917.20	918.49	920.09	919.43	918.94	919.59	922.27
47	892.46	892.98	893.68	894.58	895.55	897.03	897.90	896.70	896.82	898.75
48	870.00	870.48	871.13	871.89	872.73	874.04	875.74	874.76	874.12	875.54
49	847.55	847.98	848.61	849.27	850.01	851.07	852.28	852.88	851.64	852.07
50	825.09	825.52	826.12	826.70	827.35	828.12	829.10	830.91	829.37	829.04
51	802.26	803.06	803.66	804.20	804.72	805.24	805.98	807.36	807.00	805.90
52	779.13	779.90	781.04	781.79	782.19	782.58	783.11	784.05	784.90	783.07
53	756.01	756.76	757.85	759.18	759.75	759.97	760.23	760.79	762.16	760.44
54	732.88	733.63	734.67	735.92	737.42	737.45	737.49	737.71	738.63	737.97
55	709.76	710.51	711.51	712.66	714.06	715.12	714.89	714.87	715.26	715.69
56	686.65	687.42	688.39	689.46	690.75	692.29	692.43	692.17	692.00	692.99
57	663.55	664.34	665.28	666.36	667.57	668.98	670.10	669.51	669.01	669.52
58	640.46	641.26	642.21	643.32	644.47	645.74	647.08	647.12	646.29	646.04
59	617.37	618.20	619.19	620.28	621.45	622.53	623.76	624.88	623.72	622.97
60	594.29	595.16	596.18	597.31	598.47	599.53	600.60	601.89	601.38	600.04
61	570.78	572.02	573.21	574.38	575.56	576.62	577.58	578.70	579.18	577.39
62	546.99	548.25	549.89	551.51	552.74	553.78	554.71	555.62	556.75	554.93
63	523.22	524.52	526.21	528.17	530.02	531.03	531.98	532.62	533.52	532.74
64	499.45	500.80	502.56	504.58	506.85	508.38	509.31	509.85	510.57	510.97
65	475.68	477.10	478.95	481.04	483.38	485.57	486.76	487.31	487.56	488.17
66	451.92	453.42	455.36	457.58	459.97	462.27	464.34	464.87	465.00	465.30
67	428.17	429.75	431.79	434.15	436.64	439.05	441.31	442.54	442.57	442.39
68	404.42	406.09	408.25	410.76	413.38	415.95	418.23	420.20	420.34	419.96
69	380.68	382.44	384.73	387.41	390.19	392.93	395.19	397.30	398.31	397.64
70	356.94	358.81	361.25	364.09	367.05	369.95	372.29	374.56	376.13	375.54
71	333.94	335.54	337.80	340.80	343.96	347.03	349.51	351.97	353.55	353.68
72	311.21	312.85	315.05	317.71	320.93	324.21	326.81	329.48	331.19	331.83
73	288.49	290.17	292.39	295.10	298.14	301.50	304.21	307.15	308.99	309.68
74	265.78	267.49	269.74	272.50	275.61	278.96	281.91	284.97	286.97	287.81
75	243.06	244.82	247.11	249.93	253.10	256.51	259.80	262.93	265.14	266.14
76	220.35	222.14	224.50	227.38	230.63	234.12	237.61	240.88	243.48	244.72
77	197.64	199.47	201.89	204.84	208.17	211.76	215.35	218.77	221.86	223.55
78	174.94	176.81	179.30	182.32	185.74	189.44	193.16	196.74	199.99	202.52
79	152.24	154.16	156.71	159.82	163.34	167.15	171.03	174.79	178.24	181.13
80	129.53	131.51	134.14	137.32	140.97	144.90	148.95	152.93	156.62	159.80
81	115.47	115.57	115.64	115.62	118.61	122.68	126.92	131.14	135.11	138.62
82	102.91	103.01	103.06	103.04	102.92	102.59	104.94	109.41	113.68	117.55
83	90.36	90.44	90.49	90.46	90.35	90.04	89.53	88.72	92.34	96.59
84	77.80	77.88	77.91	77.89	77.78	77.51	77.05	76.33	75.27	75.74
85	65.25	65.31	65.34	65.32	65.22	64.99	64.59	63.97	63.06	61.78
86	52.70	52.75	52.78	52.75	52.67	52.48	52.16	51.65	50.90	49.84
87	40.15	40.19	40.21	40.19	40.13	39.98	39.74	39.34	38.76	37.95

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>88</b>	27.60	27.63	27.65	27.64	27.59	27.49	27.32	27.06	26.66	26.09
<b>89</b>	15.05	15.07	15.08	15.08	15.06	15.01	14.92	14.78	14.56	14.25
<b>90</b>	2.50	2.51	2.52	2.52	2.52	2.52	2.52	2.51	2.48	2.43

**Vert. Angles**      **Horizontal Angles**

	<b>150</b>	<b>155</b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>	<b>180</b>	<b>185</b>	<b>190</b>	<b>195</b>
<b>0</b>	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69
<b>1</b>	1541.93	1542.15	1542.38	1542.62	1542.87	1543.13	1543.40	1542.99	1542.59	1542.20
<b>2</b>	1539.59	1539.97	1540.38	1540.82	1541.29	1541.79	1542.30	1541.50	1540.71	1539.96
<b>3</b>	1536.77	1537.25	1537.80	1538.40	1539.07	1539.80	1540.56	1539.37	1538.22	1537.13
<b>4</b>	1533.41	1533.95	1534.59	1535.34	1536.18	1537.11	1538.12	1536.54	1535.04	1533.64
<b>5</b>	1529.55	1530.07	1530.76	1531.60	1532.58	1533.71	1534.96	1532.99	1531.15	1529.47
<b>6</b>	1525.23	1525.73	1526.40	1527.27	1528.35	1529.63	1531.11	1528.78	1526.65	1524.73
<b>7</b>	1520.35	1520.71	1521.33	1522.21	1523.37	1524.81	1526.50	1523.81	1521.39	1519.25
<b>8</b>	1514.95	1515.21	1515.78	1516.62	1517.81	1519.37	1521.26	1518.23	1515.56	1513.25
<b>9</b>	1509.08	1509.12	1509.48	1510.26	1511.49	1513.15	1515.25	1511.89	1508.96	1506.49
<b>10</b>	1502.67	1502.49	1502.73	1503.45	1504.69	1506.47	1508.78	1505.08	1501.92	1499.31
<b>11</b>	1495.85	1495.41	1495.37	1495.93	1497.12	1498.96	1501.44	1497.45	1494.12	1491.46
<b>12</b>	1488.48	1487.65	1487.39	1487.79	1488.94	1490.84	1493.51	1489.20	1485.66	1482.90
<b>13</b>	1480.66	1479.45	1478.94	1479.18	1480.22	1482.15	1484.96	1480.37	1476.68	1473.92
<b>14</b>	1472.45	1470.86	1469.97	1469.86	1470.74	1472.65	1475.60	1470.76	1466.94	1464.13
<b>15</b>	1463.89	1461.65	1460.32	1459.95	1460.68	1462.60	1465.69	1460.58	1456.65	1453.93
<b>16</b>	1454.67	1451.93	1450.18	1449.52	1450.15	1452.08	1455.34	1449.94	1445.88	1443.18
<b>17</b>	1445.06	1441.73	1439.61	1438.54	1438.91	1440.79	1444.17	1438.54	1434.42	1431.82
<b>18</b>	1435.02	1431.15	1428.37	1426.97	1427.14	1428.96	1432.42	1426.57	1422.40	1419.91
<b>19</b>	1424.64	1420.00	1416.78	1414.95	1414.78	1416.45	1419.99	1413.96	1409.82	1407.52
<b>20</b>	1411.62	1408.63	1404.58	1402.30	1401.89	1403.51	1407.20	1400.94	1396.74	1394.55
<b>21</b>	1396.86	1396.56	1391.92	1389.14	1388.42	1389.88	1393.59	1387.18	1383.04	1381.13
<b>22</b>	1381.49	1384.04	1378.75	1375.53	1374.44	1375.78	1379.57	1372.97	1368.87	1367.19
<b>23</b>	1365.74	1370.05	1365.23	1361.46	1359.90	1361.00	1364.87	1358.13	1354.12	1352.74
<b>24</b>	1349.67	1353.68	1351.25	1346.66	1344.80	1345.70	1349.59	1342.74	1338.87	1337.79
<b>25</b>	1333.42	1336.87	1336.65	1331.53	1329.30	1330.04	1333.97	1326.97	1323.17	1322.36
<b>26</b>	1316.80	1319.61	1321.82	1316.11	1313.39	1313.87	1317.78	1310.71	1307.11	1306.64
<b>27</b>	1299.78	1302.10	1306.57	1300.17	1296.87	1297.19	1301.17	1293.94	1290.39	1290.41
<b>28</b>	1282.47	1284.34	1289.04	1283.79	1279.77	1279.78	1283.76	1276.50	1273.14	1273.80
<b>29</b>	1265.11	1266.24	1270.38	1266.76	1262.60	1262.33	1266.26	1258.95	1255.85	1256.69
<b>30</b>	1247.46	1247.84	1251.27	1249.77	1244.78	1244.15	1248.06	1240.69	1237.82	1239.37
<b>31</b>	1229.52	1229.03	1232.15	1232.07	1226.71	1225.67	1229.46	1222.16	1219.60	1221.45
<b>32</b>	1211.29	1210.19	1212.43	1214.17	1208.19	1206.83	1210.60	1203.24	1200.96	1203.37
<b>33</b>	1192.98	1190.91	1192.60	1196.07	1189.27	1187.58	1191.33	1183.98	1181.98	1185.03
<b>34</b>	1174.38	1171.61	1172.67	1177.28	1169.97	1167.92	1171.49	1164.26	1162.65	1166.19
<b>35</b>	1155.62	1152.09	1152.13	1157.06	1150.46	1148.09	1151.74	1144.39	1142.98	1145.90
<b>36</b>	1136.90	1132.27	1131.73	1135.87	1130.77	1127.77	1131.07	1124.03	1123.21	1124.57
<b>37</b>	1115.43	1112.47	1110.95	1114.61	1110.55	1107.28	1110.54	1103.41	1102.93	1103.24
<b>38</b>	1093.52	1092.45	1090.13	1093.03	1090.32	1086.44	1089.63	1082.58	1082.49	1081.62
<b>39</b>	1071.87	1072.19	1068.99	1071.36	1069.52	1065.24	1068.25	1061.35	1061.69	1059.79
<b>40</b>	1049.96	1051.98	1047.93	1049.31	1048.65	1043.88	1046.83	1039.98	1040.68	1037.66
<b>41</b>	1028.03	1031.00	1026.52	1027.14	1027.56	1022.36	1025.11	1018.43	1019.67	1015.38
<b>42</b>	1006.29	1008.38	1005.19	1004.85	1006.39	1000.55	1003.15	996.58	998.48	993.15
<b>43</b>	984.36	985.58	983.57	982.61	984.88	978.54	980.89	974.58	976.85	970.85
<b>44</b>	962.62	962.85	962.09	960.03	963.23	956.39	958.56	952.40	955.20	948.17
<b>45</b>	941.00	940.00	940.54	937.51	941.71	934.12	936.15	930.10	933.52	925.55
<b>46</b>	919.43	917.37	918.82	915.04	918.75	911.48	913.20	907.49	910.67	903.02
<b>47</b>	897.75	894.91	896.77	892.24	895.37	888.87	890.49	884.83	887.35	880.15
<b>48</b>	876.23	872.28	873.23	869.56	871.81	866.27	867.47	862.11	863.65	857.49

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRW-14G-840K-4000L.IES**

**CANDELA TABULATION - (Cont.)**

49	854.88	849.94	849.71	846.72	848.44	843.41	844.45	839.32	840.27	834.57
50	831.33	827.56	826.32	824.19	824.75	820.59	821.02	816.50	816.50	811.86
51	807.43	805.49	802.83	801.44	801.21	797.65	798.16	793.56	793.01	789.16
52	783.77	783.40	779.76	778.83	777.68	774.73	774.85	770.53	769.48	766.50
53	760.24	761.41	756.62	756.10	754.07	751.57	751.51	747.47	745.79	743.81
54	737.06	739.21	733.81	733.80	730.51	728.61	728.10	724.46	722.31	721.33
55	713.71	715.09	710.89	710.66	707.08	705.44	704.39	701.37	698.81	698.24
56	690.81	691.07	688.26	686.76	683.57	682.37	681.33	678.21	675.29	674.59
57	667.78	667.44	665.61	662.95	660.07	659.24	657.86	655.11	651.88	651.01
58	645.35	643.74	643.40	639.38	636.55	636.48	634.54	632.32	628.61	627.38
59	623.10	620.35	621.30	615.69	613.39	613.45	611.30	609.33	605.52	604.34
60	599.86	597.22	597.76	592.30	590.14	590.46	588.04	586.50	582.42	581.36
61	576.39	574.27	573.71	569.22	566.78	567.38	564.70	563.62	559.30	558.64
62	553.36	551.74	549.86	546.41	543.64	544.06	541.47	540.83	536.77	536.07
63	530.48	529.50	526.34	523.53	520.55	521.10	518.22	518.09	514.20	513.68
64	507.96	506.55	503.15	501.16	497.75	497.76	495.04	495.39	491.72	491.92
65	485.74	483.38	480.32	478.90	474.50	473.88	471.60	472.17	469.02	470.11
66	463.80	460.48	457.54	456.54	450.88	449.98	447.77	448.73	446.08	448.35
67	442.23	437.95	435.17	432.60	427.53	426.36	424.63	425.34	423.26	425.04
68	419.70	415.82	412.86	409.13	404.11	402.79	401.47	401.77	400.58	402.22
69	396.82	394.08	389.85	385.69	381.25	379.36	378.47	378.45	378.43	379.52
70	374.50	372.55	367.25	362.75	358.46	356.21	355.63	355.47	356.56	357.27
71	352.16	350.53	345.13	340.10	336.10	333.24	332.91	332.88	335.02	335.40
72	330.28	328.02	323.60	318.15	314.14	310.19	310.64	310.46	313.99	314.13
73	308.63	306.14	302.53	296.49	292.58	287.40	288.36	288.59	293.44	293.13
74	287.33	284.50	281.83	274.59	270.02	265.00	266.61	266.99	271.47	271.99
75	265.75	263.39	260.03	253.38	247.55	242.57	244.32	245.53	249.49	251.34
76	244.52	242.63	238.80	232.85	225.88	220.56	221.89	224.24	228.22	231.28
77	223.60	221.93	218.11	212.91	204.98	198.93	200.01	203.17	207.70	211.92
78	202.91	201.50	198.04	193.31	184.56	177.51	178.03	182.46	187.58	192.72
79	182.55	181.49	178.41	173.15	164.65	156.73	156.63	162.08	167.88	173.07
80	162.18	161.83	159.01	153.87	145.53	136.83	135.66	142.69	148.98	154.15
81	141.27	142.54	140.14	135.37	127.46	117.80	115.11	124.26	131.14	135.87
82	120.59	122.63	121.72	117.35	109.95	98.88	95.09	105.64	113.76	118.37
83	100.13	102.67	103.63	99.84	92.40	80.51	75.78	87.57	96.18	101.59
84	79.82	82.96	84.61	83.08	75.98	63.69	57.45	70.86	79.62	85.41
85	59.96	63.46	65.95	66.27	60.47	48.34	39.86	55.54	64.44	69.33
86	48.33	46.25	47.59	49.05	45.93	34.94	23.70	41.68	50.45	53.03
87	36.78	35.15	32.91	32.30	31.63	23.12	10.45	28.72	36.76	37.13
88	25.27	24.14	22.57	20.22	17.71	13.68	4.87	19.79	23.44	25.48
89	13.81	13.18	12.33	11.07	8.97	5.79	2.95	11.94	14.72	16.48
90	2.36	2.26	2.14	2.02	1.95	1.94	1.84	7.50	7.54	7.57

**Vert. Horizontal Angles**

	<u>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69
1	1541.82	1541.46	1541.11	1540.79	1540.49	1540.22	1539.97	1539.76	1539.57	1539.39
2	1539.24	1538.57	1537.94	1537.36	1536.84	1536.36	1535.93	1535.56	1535.26	1534.96
3	1536.11	1535.16	1534.30	1533.51	1532.80	1532.17	1531.62	1531.13	1530.74	1530.38
4	1532.34	1531.18	1530.13	1529.21	1528.42	1527.68	1527.05	1526.50	1526.07	1525.69
5	1527.95	1526.60	1525.44	1524.46	1523.57	1522.81	1522.20	1521.70	1521.27	1520.91
6	1523.03	1521.56	1520.29	1519.23	1518.32	1517.62	1517.07	1516.62	1516.34	1516.04
7	1517.40	1515.87	1514.67	1513.58	1512.73	1512.12	1511.65	1511.37	1511.15	1511.06
8	1511.33	1509.71	1508.43	1507.40	1506.79	1506.29	1505.98	1505.85	1505.85	1505.90
9	1504.49	1502.95	1501.77	1500.93	1500.38	1500.09	1500.09	1500.14	1500.39	1500.64



**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

10	1497.24	1495.68	1494.57	1493.95	1493.66	1493.68	1493.84	1494.29	1494.74	1495.29
11	1489.43	1487.97	1487.04	1486.59	1486.55	1486.89	1487.47	1488.17	1488.97	1489.85
12	1480.92	1479.67	1479.02	1478.84	1479.14	1479.82	1480.77	1481.89	1480.28	1478.11
13	1471.98	1470.81	1470.42	1470.72	1471.39	1472.49	1473.67	1470.63	1468.16	1466.24
14	1462.40	1461.59	1461.48	1462.05	1463.32	1464.87	1461.29	1458.38	1456.12	1454.37
15	1452.39	1451.64	1452.06	1453.16	1454.79	1452.16	1448.65	1445.91	1443.82	1442.30
16	1441.73	1441.44	1442.20	1443.74	1443.10	1438.98	1435.81	1433.34	1431.45	1430.16
17	1430.66	1430.71	1431.89	1434.11	1429.48	1425.62	1422.75	1420.54	1418.94	1417.96
18	1419.03	1419.49	1421.24	1420.28	1415.56	1412.10	1409.41	1407.63	1406.40	1405.57
19	1406.90	1407.84	1410.10	1405.84	1401.41	1398.11	1395.93	1394.54	1393.67	1393.20
20	1394.30	1395.77	1396.59	1391.02	1386.92	1384.16	1382.30	1381.24	1380.83	1380.73
21	1381.27	1383.22	1381.22	1375.95	1372.19	1369.75	1368.38	1367.82	1367.93	1368.25
22	1367.64	1370.32	1365.43	1360.51	1357.23	1355.21	1354.40	1354.41	1354.87	1355.19
23	1353.79	1355.77	1349.35	1344.80	1341.93	1340.54	1340.16	1340.64	1340.83	1338.03
24	1339.31	1339.11	1332.78	1328.77	1326.52	1325.66	1325.82	1326.84	1323.34	1320.86
25	1324.46	1321.90	1316.21	1312.50	1310.80	1310.49	1311.33	1308.83	1305.85	1303.67
26	1309.24	1304.40	1299.10	1296.08	1294.85	1295.31	1294.63	1290.88	1288.29	1286.40
27	1293.64	1286.58	1281.71	1279.37	1278.71	1279.85	1276.22	1272.86	1270.59	1269.10
28	1275.81	1268.49	1264.01	1262.31	1262.55	1261.59	1257.58	1254.78	1252.98	1251.79
29	1256.93	1250.08	1246.22	1245.08	1246.16	1242.56	1239.04	1236.73	1235.22	1234.49
30	1237.78	1231.36	1228.30	1227.60	1227.99	1223.28	1220.35	1218.56	1217.52	1217.17
31	1218.36	1212.33	1209.96	1210.03	1208.04	1204.11	1201.56	1200.31	1199.74	1199.80
32	1198.50	1193.26	1191.29	1192.55	1188.00	1184.87	1182.82	1182.05	1181.99	1182.36
33	1178.49	1173.80	1172.62	1172.97	1168.01	1165.29	1163.90	1163.81	1164.27	1163.28
34	1158.33	1154.14	1153.83	1152.06	1148.04	1145.86	1145.18	1145.53	1145.50	1142.55
35	1137.78	1134.40	1134.91	1131.17	1127.81	1126.36	1126.38	1127.20	1124.40	1121.81
36	1117.15	1114.48	1115.69	1110.44	1107.69	1106.84	1107.52	1106.27	1103.27	1101.13
37	1096.23	1094.39	1094.22	1089.49	1087.37	1087.29	1088.61	1084.77	1082.19	1080.38
38	1075.32	1074.00	1072.53	1068.53	1067.17	1067.79	1066.72	1063.30	1061.08	1059.62
39	1054.11	1053.74	1050.77	1047.54	1047.08	1048.42	1044.80	1041.90	1040.09	1038.96
40	1032.75	1033.35	1028.80	1026.57	1026.76	1026.75	1022.86	1020.50	1019.11	1018.24
41	1011.19	1012.31	1007.09	1005.55	1006.62	1004.13	1001.00	999.21	998.11	997.53
42	989.72	989.67	985.37	984.55	986.39	981.86	979.18	977.70	977.15	976.95
43	968.11	966.79	963.47	963.64	963.51	959.59	957.36	956.46	956.17	955.96
44	946.42	944.13	941.71	942.85	940.47	937.26	935.75	935.02	935.25	933.67
45	924.69	921.47	920.07	922.11	917.66	915.02	914.01	913.84	912.96	911.43
46	902.72	898.84	898.38	899.06	894.87	893.01	892.37	892.21	890.58	889.20
47	880.71	876.31	876.75	875.76	872.34	870.93	870.84	869.70	868.16	867.02
48	857.42	853.83	855.22	852.61	849.82	849.09	848.92	847.20	846.00	845.03
49	833.85	831.52	833.93	829.37	827.38	827.25	826.04	824.68	823.81	823.05
50	810.57	809.27	810.37	806.40	805.10	805.33	803.45	802.27	801.59	801.07
51	787.21	787.13	786.79	783.44	782.88	782.23	780.72	779.97	779.47	779.13
52	764.19	765.10	763.21	760.68	760.78	759.44	758.31	757.78	757.44	757.26
53	741.19	743.15	739.87	738.07	738.27	736.72	735.87	735.67	735.52	735.17
54	718.54	721.04	716.68	715.77	715.28	714.10	713.69	713.64	713.66	712.47
55	695.66	697.10	693.51	693.62	692.44	691.60	691.57	691.76	690.88	689.80
56	673.19	673.23	670.69	671.05	669.64	669.36	669.50	669.47	668.16	667.19
57	650.82	649.89	647.93	647.97	647.06	647.24	647.59	646.68	645.56	644.63
58	628.78	626.34	625.63	625.06	624.72	625.33	625.15	623.99	623.02	622.13
59	607.00	603.22	603.55	602.33	602.63	603.49	602.42	601.46	600.51	599.65
60	583.69	580.34	580.51	579.86	580.65	580.96	579.86	578.94	578.10	577.24
61	559.97	557.77	557.79	557.73	558.82	558.32	557.37	556.56	555.78	554.86
62	536.51	535.45	535.13	535.70	536.88	535.92	534.98	534.31	533.49	532.53
63	513.31	513.44	512.85	514.01	514.29	513.56	512.78	512.12	511.27	510.40
64	490.54	490.82	490.85	492.59	491.84	491.24	490.63	490.02	489.24	488.42
65	468.02	468.33	469.11	470.49	469.64	469.15	468.64	468.06	467.38	466.48

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

66	445.83	446.18	447.65	448.23	447.66	447.31	446.82	446.32	445.52	444.56
67	424.00	424.29	426.60	426.14	425.82	425.62	425.19	424.69	423.74	422.69
68	402.30	402.82	404.73	404.29	404.21	404.02	403.70	403.13	402.03	400.86
69	380.10	381.70	382.82	382.65	382.80	382.74	382.33	381.66	380.40	379.07
70	358.28	360.89	361.17	361.40	361.62	361.62	361.14	360.28	358.84	357.32
71	336.95	339.62	339.80	340.41	340.69	340.66	340.12	338.98	337.38	335.61
72	316.01	318.06	318.75	319.61	319.94	319.84	319.12	317.75	315.98	313.91
73	295.55	297.03	298.05	299.02	299.38	299.17	298.20	296.62	294.47	292.13
74	275.56	276.24	277.63	278.65	279.02	278.57	277.39	275.26	272.81	270.38
75	254.58	255.83	257.54	258.53	258.80	258.11	256.29	253.74	251.19	248.66
76	234.05	235.79	237.74	238.66	238.75	237.42	234.96	232.27	229.60	226.96
77	214.03	216.27	218.21	219.02	218.66	216.33	213.69	210.86	208.03	205.28
78	194.49	197.07	198.95	199.54	197.84	195.30	192.48	189.50	186.50	183.63
79	175.53	178.29	179.96	179.31	177.13	174.37	171.34	168.17	165.00	161.99
80	157.25	159.87	160.81	159.02	156.54	153.54	150.26	146.88	143.54	140.36
81	139.35	141.80	140.96	138.87	136.07	132.77	129.23	125.61	122.09	119.47
82	121.91	122.94	121.31	118.85	115.68	112.07	108.24	106.29	106.76	106.98
83	104.78	104.01	101.85	98.95	95.38	92.31	93.24	93.86	94.29	94.49
84	86.76	85.34	82.55	79.15	78.95	80.09	80.91	81.46	81.83	82.01
85	69.07	66.86	63.68	65.58	66.93	67.90	68.60	69.06	69.38	69.53
86	51.66	50.46	52.32	53.86	54.95	55.74	56.31	56.68	56.93	57.06
87	37.60	39.61	41.03	42.19	43.01	43.60	44.03	44.31	44.50	44.60
88	27.51	28.85	29.79	30.55	31.09	31.48	31.76	31.95	32.07	32.13
89	17.50	18.14	18.58	18.94	19.19	19.37	19.50	19.59	19.64	19.67
90	7.54	7.46	7.39	7.33	7.29	7.27	7.24	7.23	7.21	7.21

**Vert. Angles**      **Horizontal Angles**

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69
1	1539.24	1539.12	1539.04	1539.00	1538.99	1539.00	1539.05	1539.14	1539.26	1539.41
2	1534.72	1534.56	1534.40	1534.31	1534.29	1534.31	1534.41	1534.57	1534.71	1534.93
3	1530.13	1529.90	1529.76	1529.62	1529.59	1529.62	1529.74	1529.86	1530.07	1530.35
4	1525.42	1525.22	1525.05	1524.94	1524.89	1524.92	1525.00	1525.14	1525.37	1525.63
5	1520.64	1520.46	1520.33	1520.25	1520.19	1520.22	1520.25	1520.38	1520.54	1520.76
6	1515.82	1515.70	1515.61	1515.56	1515.49	1515.50	1515.50	1515.58	1515.63	1515.81
7	1510.93	1510.86	1510.85	1510.84	1510.79	1510.75	1510.71	1510.67	1510.65	1510.74
8	1505.99	1506.01	1506.09	1506.12	1506.09	1506.00	1505.92	1505.74	1505.61	1505.50
9	1500.97	1501.14	1501.32	1501.39	1501.39	1501.26	1501.09	1500.77	1500.51	1500.14
10	1495.83	1496.26	1496.50	1496.67	1496.69	1496.51	1496.21	1495.77	1495.28	1494.64
11	1488.23	1487.00	1486.00	1485.45	1485.22	1485.29	1485.70	1486.49	1487.63	1489.03
12	1476.56	1475.43	1474.48	1473.97	1473.74	1473.81	1474.17	1474.93	1475.96	1477.35
13	1464.84	1463.78	1462.96	1462.48	1462.27	1462.32	1462.64	1463.31	1464.19	1465.51
14	1453.02	1452.12	1451.43	1450.99	1450.80	1450.84	1451.11	1451.66	1452.40	1453.59
15	1441.15	1440.40	1439.88	1439.50	1439.32	1439.35	1439.57	1439.98	1440.58	1441.58
16	1429.18	1428.67	1428.29	1428.02	1427.85	1427.87	1428.00	1428.27	1428.67	1429.43
17	1417.23	1416.87	1416.72	1416.53	1416.37	1416.40	1416.43	1416.50	1416.74	1417.19
18	1405.27	1405.06	1405.11	1405.02	1404.90	1404.90	1404.84	1404.73	1404.78	1404.89
19	1393.18	1393.26	1393.45	1393.49	1393.42	1393.39	1393.22	1392.94	1392.70	1392.60
20	1381.07	1381.42	1381.81	1381.96	1381.95	1381.88	1381.60	1381.14	1380.58	1380.17
21	1368.91	1367.75	1366.61	1365.78	1365.43	1365.67	1366.37	1367.52	1368.46	1367.69
22	1352.74	1351.00	1350.01	1349.25	1348.92	1349.11	1349.70	1350.69	1352.26	1354.64
23	1335.82	1334.32	1333.42	1332.72	1332.41	1332.54	1333.03	1333.86	1335.22	1337.40
24	1318.96	1317.63	1316.82	1316.20	1315.89	1315.97	1316.34	1317.01	1318.19	1320.04
25	1302.00	1300.89	1300.17	1299.67	1299.38	1299.40	1299.61	1300.07	1301.02	1302.62
26	1285.07	1284.17	1283.54	1283.14	1282.86	1282.82	1282.89	1283.16	1283.87	1285.13

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**CANDELA TABULATION - (Cont.)**

27	1268.16	1267.39	1266.92	1266.61	1266.35	1266.24	1266.16	1266.29	1266.72	1267.60
28	1251.12	1250.63	1250.29	1250.09	1249.84	1249.66	1249.43	1249.45	1249.50	1250.04
29	1234.07	1233.83	1233.68	1233.57	1233.32	1233.07	1232.70	1232.45	1232.26	1232.46
30	1217.09	1217.06	1217.06	1217.05	1216.81	1216.49	1215.97	1215.43	1215.01	1214.84
31	1200.07	1199.86	1198.29	1197.37	1196.85	1196.81	1197.17	1198.02	1197.73	1197.21
32	1181.51	1179.68	1178.19	1177.36	1176.89	1176.82	1177.09	1177.85	1179.06	1179.52
33	1161.03	1159.44	1158.10	1157.35	1156.93	1156.83	1157.03	1157.65	1158.68	1160.34
34	1140.59	1139.13	1138.01	1137.34	1136.97	1136.85	1136.97	1137.42	1138.33	1139.66
35	1120.11	1118.83	1117.93	1117.34	1117.01	1116.87	1116.92	1117.20	1117.94	1118.96
36	1099.66	1098.61	1097.87	1097.34	1097.05	1096.89	1096.88	1097.03	1097.57	1098.39
37	1079.21	1078.43	1077.81	1077.34	1077.09	1076.92	1076.87	1076.89	1077.16	1077.76
38	1058.76	1058.17	1057.70	1057.34	1057.13	1056.95	1056.77	1056.70	1056.78	1057.14
39	1038.34	1037.92	1037.58	1037.35	1037.17	1036.98	1036.67	1036.52	1036.44	1036.60
40	1017.87	1017.69	1017.48	1017.36	1017.21	1017.02	1016.58	1016.36	1016.07	1015.97
41	997.42	997.46	996.37	995.72	995.36	995.35	995.44	996.19	995.73	995.41
42	976.63	975.52	974.52	973.88	973.52	973.47	973.52	974.13	975.02	974.99
43	954.57	953.51	952.67	952.04	951.68	951.59	951.61	952.05	952.86	954.10
44	932.43	931.52	930.84	930.20	929.84	929.72	929.69	929.99	930.61	931.67
45	910.34	909.57	908.97	908.36	908.00	907.84	907.76	907.95	908.41	909.27
46	888.36	887.67	887.08	886.51	886.16	885.95	885.81	885.94	886.25	886.90
47	866.43	865.79	865.21	864.67	864.32	864.06	863.87	863.95	864.12	864.59
48	844.41	843.91	843.36	842.84	842.48	842.17	841.96	841.96	842.02	842.37
49	822.43	822.02	821.53	821.01	820.64	820.28	820.06	819.97	819.99	820.18
50	800.53	800.17	799.71	799.19	798.80	798.40	798.18	797.99	797.95	798.05
51	778.68	778.30	777.48	776.76	776.30	775.97	775.95	776.02	775.93	775.95
52	756.63	755.68	754.93	754.26	753.80	753.48	753.47	753.52	753.80	753.89
53	733.98	733.09	732.39	731.76	731.30	731.00	731.00	731.04	731.28	731.71
54	711.37	710.53	709.83	709.25	708.81	708.53	708.52	708.56	708.78	709.17
55	688.78	687.99	687.28	686.74	686.31	686.06	686.04	686.09	686.28	686.68
56	666.23	665.46	664.73	664.23	663.81	663.59	663.58	663.65	663.83	664.25
57	643.69	642.95	642.20	641.73	641.31	641.13	641.14	641.24	641.45	641.88
58	621.19	620.43	619.68	619.23	618.82	618.68	618.71	618.85	619.13	619.59
59	598.72	597.93	597.17	596.73	596.32	596.23	596.28	596.47	596.83	597.27
60	576.27	575.47	574.69	574.24	573.82	573.79	573.85	574.12	574.53	575.02
61	553.87	553.05	552.38	551.97	551.57	551.52	551.53	551.81	552.27	552.83
62	531.61	530.87	530.19	529.73	529.32	529.27	529.29	529.61	530.06	530.70
63	509.50	508.70	508.00	507.48	507.07	507.02	507.05	507.43	507.92	508.60
64	487.42	486.56	485.81	485.24	484.82	484.77	484.82	485.27	485.82	486.54
65	465.37	464.43	463.61	462.99	462.56	462.51	462.61	463.10	463.75	464.52
66	443.36	442.31	441.42	440.75	440.31	440.25	440.40	440.94	441.70	442.55
67	421.38	420.21	419.23	418.51	418.06	418.00	418.20	418.81	419.67	420.62
68	399.42	398.13	397.06	396.27	395.81	395.75	396.01	396.70	397.67	398.73
69	377.51	376.06	374.89	374.03	373.56	373.50	373.83	374.61	375.70	376.87
70	355.63	354.01	352.74	351.80	351.31	351.25	351.66	352.52	353.76	355.05
71	333.79	332.02	330.74	329.83	329.36	329.30	329.69	330.53	331.84	333.28
72	311.96	310.13	308.81	307.89	307.42	307.38	307.80	308.68	310.05	311.55
73	290.11	288.25	286.88	285.94	285.47	285.45	285.92	286.85	288.29	289.88
74	268.28	266.38	264.96	264.00	263.53	263.53	264.04	265.03	266.54	268.25
75	246.46	244.51	243.03	242.05	241.59	241.61	242.16	243.22	244.82	246.64
76	224.66	222.65	221.11	220.11	219.64	219.69	220.29	221.42	223.10	225.05
77	202.87	200.79	199.20	198.16	197.70	197.77	198.42	199.63	201.40	203.48
78	181.10	178.94	177.28	176.22	175.75	175.85	176.55	177.85	179.71	181.94
79	159.33	157.09	155.36	154.28	153.81	153.93	154.69	156.08	158.03	160.41
80	137.58	135.26	133.45	132.34	131.86	132.01	132.83	134.31	136.37	138.89
81	119.60	119.63	119.56	119.50	119.39	119.20	118.99	118.77	118.50	118.12
82	107.10	107.14	107.07	107.01	106.91	106.74	106.55	106.36	106.12	105.77

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

83	94.61	94.64	94.58	94.52	94.43	94.28	94.12	93.95	93.74	93.43
84	82.11	82.14	82.09	82.04	81.95	81.82	81.68	81.55	81.37	81.11
85	69.62	69.65	69.60	69.55	69.47	69.37	69.25	69.14	69.00	68.78
86	57.14	57.16	57.12	57.06	57.00	56.91	56.82	56.74	56.63	56.46
87	44.65	44.67	44.63	44.58	44.52	44.45	44.39	44.34	44.27	44.15
88	32.17	32.18	32.14	32.09	32.04	32.00	31.95	31.94	31.91	31.84
89	19.69	19.69	19.66	19.60	19.56	19.54	19.52	19.54	19.55	19.53
90	7.21	7.20	7.17	7.12	7.08	7.08	7.09	7.14	7.19	7.22

**Vert. Angles**

**Horizontal Angles**

	<u>300</u>	<u>305</u>	<u>310</u>	<u>315</u>	<u>320</u>	<u>325</u>	<u>330</u>	<u>335</u>	<u>340</u>	<u>345</u>
0	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69	1543.69
1	1539.60	1539.78	1539.98	1540.22	1540.49	1540.78	1541.10	1541.44	1541.80	1542.18
2	1535.21	1535.54	1535.94	1536.39	1536.89	1537.40	1537.96	1538.58	1539.25	1539.97
3	1530.74	1531.10	1531.57	1532.12	1532.77	1533.51	1534.30	1535.17	1536.12	1537.15
4	1525.97	1526.40	1526.96	1527.59	1528.32	1529.13	1530.08	1531.12	1532.29	1533.58
5	1521.11	1521.52	1522.03	1522.65	1523.38	1524.27	1525.29	1526.50	1527.85	1529.39
6	1516.08	1516.37	1516.79	1517.33	1518.05	1518.96	1520.07	1521.39	1522.90	1524.63
7	1510.82	1510.99	1511.25	1511.72	1512.38	1513.24	1514.34	1515.62	1517.21	1519.09
8	1505.41	1505.34	1505.48	1505.80	1506.30	1507.01	1508.00	1509.30	1510.98	1513.01
9	1499.77	1499.54	1499.45	1499.52	1499.76	1500.28	1501.19	1502.48	1504.14	1506.20
10	1494.04	1493.53	1493.16	1492.85	1492.81	1493.18	1493.85	1494.96	1496.61	1498.82
11	1488.16	1487.33	1486.49	1485.84	1485.55	1485.55	1486.03	1487.11	1488.74	1490.96
12	1479.29	1480.84	1479.53	1478.58	1477.82	1477.56	1477.90	1478.75	1480.21	1482.38
13	1467.36	1469.41	1472.23	1470.93	1469.83	1469.32	1469.24	1469.75	1470.98	1473.06
14	1455.14	1457.16	1459.75	1463.02	1461.63	1460.57	1459.97	1460.14	1461.28	1463.35
15	1442.81	1444.67	1447.06	1450.40	1452.99	1451.22	1450.25	1450.23	1451.12	1452.89
16	1430.50	1432.04	1434.28	1437.30	1440.99	1441.56	1440.26	1439.69	1440.27	1442.01
17	1418.00	1419.28	1421.30	1423.91	1427.31	1431.68	1429.68	1428.70	1428.96	1430.47
18	1405.41	1406.45	1408.05	1410.19	1413.53	1417.84	1418.68	1417.25	1417.10	1418.44
19	1392.77	1393.44	1394.54	1396.42	1399.32	1403.32	1407.31	1405.34	1404.80	1405.86
20	1380.04	1380.20	1380.83	1382.48	1384.89	1388.55	1393.67	1392.97	1391.92	1392.63
21	1367.24	1366.88	1367.10	1368.13	1370.21	1373.49	1378.22	1380.07	1378.57	1379.05
22	1354.25	1353.35	1353.25	1353.70	1355.26	1358.07	1362.37	1366.80	1364.90	1364.93
23	1340.19	1339.85	1339.03	1339.12	1340.11	1342.36	1346.26	1352.28	1350.67	1350.23
24	1322.51	1326.03	1324.90	1324.31	1324.68	1326.41	1329.96	1335.54	1335.89	1335.06
25	1304.75	1307.98	1310.55	1309.33	1309.00	1310.20	1313.27	1318.30	1320.80	1319.63
26	1286.90	1289.65	1293.67	1294.16	1293.19	1293.89	1296.22	1300.85	1305.45	1303.55
27	1269.04	1271.46	1275.04	1278.83	1277.28	1277.24	1278.92	1283.21	1289.49	1286.99
28	1251.11	1253.11	1256.12	1260.41	1261.20	1260.27	1261.53	1265.11	1271.41	1270.13
29	1233.12	1234.68	1237.17	1240.98	1244.90	1243.18	1243.75	1246.66	1252.65	1252.88
30	1215.10	1216.20	1218.14	1221.59	1226.61	1226.01	1225.81	1228.13	1233.54	1235.16
31	1197.07	1197.65	1199.04	1201.94	1206.44	1208.70	1207.53	1209.25	1214.06	1217.19
32	1179.04	1179.05	1179.92	1182.32	1186.21	1191.14	1189.37	1190.20	1194.44	1198.90
33	1160.92	1160.38	1160.82	1162.44	1165.84	1171.46	1170.77	1170.99	1174.57	1180.19
34	1141.90	1141.72	1141.61	1142.61	1145.45	1150.57	1152.20	1151.56	1154.42	1161.27
35	1120.91	1123.06	1122.41	1122.83	1125.02	1129.28	1133.45	1131.88	1134.11	1140.65
36	1099.89	1102.17	1103.08	1102.99	1104.43	1108.12	1114.57	1112.09	1113.42	1119.58
37	1078.98	1080.85	1083.80	1083.05	1083.83	1086.91	1092.74	1092.20	1092.85	1098.03
38	1057.96	1059.52	1062.06	1063.23	1063.19	1065.55	1070.64	1072.06	1071.83	1076.57
39	1037.05	1038.25	1040.38	1043.29	1042.61	1044.15	1048.53	1052.05	1050.96	1054.93
40	1016.19	1017.01	1018.72	1021.47	1022.11	1022.79	1026.34	1031.91	1029.79	1033.16
41	995.35	995.78	997.04	999.31	1001.45	1001.33	1004.29	1010.99	1008.66	1011.13
42	974.56	974.56	975.36	977.19	980.72	979.99	982.07	987.99	987.43	989.08
43	953.82	953.56	953.94	955.10	958.20	958.78	959.94	964.97	966.18	966.78

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

44	933.10	932.43	932.37	933.21	935.34	937.48	937.90	942.10	944.61	944.30
45	910.70	911.53	911.01	911.20	912.77	916.16	915.74	919.17	923.21	922.12
46	888.17	889.97	889.64	889.51	890.51	893.41	893.80	896.09	901.80	899.70
47	865.60	867.25	868.34	867.70	868.23	870.56	871.72	873.32	879.94	877.24
48	843.17	844.48	846.44	846.08	845.97	847.58	849.98	850.45	856.10	854.71
49	820.75	821.76	823.40	824.60	823.85	824.79	828.12	827.78	832.41	832.43
50	798.37	799.23	800.63	803.01	801.87	802.25	804.96	805.11	808.83	809.85
51	776.17	776.71	777.73	779.82	780.10	779.59	781.64	782.52	785.39	787.58
52	753.98	754.36	755.15	756.76	758.59	757.38	758.47	760.09	761.79	765.11
53	731.87	732.02	732.52	733.75	736.12	735.18	735.51	737.95	738.45	742.92
54	709.76	709.74	709.98	710.89	712.79	713.19	712.69	715.46	715.21	720.69
55	687.20	687.56	687.59	688.18	689.80	691.46	690.14	691.90	692.12	697.73
56	664.75	665.24	665.37	665.68	666.73	669.24	667.75	668.46	669.36	673.85
57	642.24	642.69	643.31	643.26	643.93	645.84	645.67	645.47	646.57	649.77
58	619.85	620.24	620.93	621.06	621.28	622.62	623.76	622.55	624.25	626.11
59	597.60	597.98	598.47	598.96	598.82	599.71	602.09	600.02	601.91	602.62
60	575.41	575.76	576.12	576.66	576.58	577.04	579.10	577.62	578.89	579.29
61	553.27	553.64	553.90	554.35	554.41	554.45	556.01	555.63	555.66	556.08
62	531.21	531.64	531.82	532.15	532.42	532.18	533.08	533.98	532.86	533.26
63	509.24	509.72	509.86	510.12	510.22	510.15	510.34	512.43	510.15	510.55
64	487.26	487.89	488.05	488.23	488.21	488.43	487.90	489.76	487.78	488.35
65	465.29	466.10	466.39	466.51	466.33	466.47	465.86	466.83	465.84	466.11
66	443.41	444.25	444.89	444.95	444.71	444.43	444.16	444.32	444.29	443.97
67	421.60	422.46	423.19	423.53	423.28	422.72	422.69	422.03	422.84	421.21
68	399.82	400.79	401.57	402.27	402.06	401.31	400.99	400.06	401.54	398.76
69	378.08	379.21	380.10	380.76	381.02	380.15	379.40	378.45	378.83	376.72
70	356.42	357.69	358.75	359.42	359.97	359.30	358.24	357.25	356.73	355.18
71	334.84	336.25	337.50	338.24	338.80	338.64	337.28	336.07	334.88	334.03
72	313.32	314.90	316.31	317.16	317.81	317.97	316.65	315.01	313.54	313.42
73	291.79	293.63	295.22	296.21	296.97	297.14	296.31	294.37	292.62	292.95
74	270.24	272.30	274.21	275.41	276.26	276.53	276.18	274.02	272.23	271.25
75	248.73	250.93	253.12	254.74	255.74	256.15	255.75	254.02	251.75	250.09
76	227.27	229.62	231.95	234.02	235.39	235.96	235.60	234.44	231.70	229.45
77	205.86	208.35	210.85	213.15	215.10	215.96	215.75	214.80	212.21	209.43
78	184.48	187.14	189.83	192.34	194.52	196.16	196.20	195.34	193.13	189.96
79	163.12	165.96	168.88	171.63	174.05	176.08	176.86	176.22	174.39	170.72
80	141.79	144.83	147.99	151.00	153.70	156.00	157.56	157.44	155.64	152.26
81	120.47	123.74	127.15	130.44	133.46	136.08	138.00	138.98	137.37	134.43
82	105.32	104.61	106.36	109.95	113.33	116.32	118.65	120.20	119.53	116.85
83	93.03	92.40	91.58	90.43	93.28	96.68	99.48	101.49	102.07	99.71
84	80.76	80.21	79.49	78.50	77.14	77.14	80.45	83.02	84.24	83.17
85	68.49	68.03	67.43	66.60	65.45	63.91	61.86	64.74	66.73	66.94
86	56.23	55.87	55.39	54.72	53.80	52.55	50.87	48.61	49.50	50.85
87	43.98	43.72	43.36	42.87	42.18	41.24	39.96	38.23	35.82	35.20
88	31.74	31.57	31.35	31.04	30.58	29.97	29.11	27.95	26.32	24.07
89	19.49	19.43	19.34	19.21	19.00	18.72	18.29	17.72	16.91	15.78
90	7.25	7.30	7.34	7.39	7.43	7.48	7.49	7.52	7.56	7.58

**Vert. Angles**      **Horizontal Angles**

	<u>350</u>	<u>355</u>	<u>360</u>
0	1543.69	1543.69	1543.69
1	1542.57	1542.97	1543.38
2	1540.72	1541.51	1542.32
3	1538.24	1539.40	1540.62
4	1534.99	1536.50	1538.11

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRW-14G-840K-4000L.IES**

**CANDELA TABULATION - (Cont.)**

5	1531.10	1532.96	1534.96
6	1526.59	1528.77	1531.15
7	1521.28	1523.77	1526.52
8	1515.43	1518.22	1521.36
9	1508.74	1511.75	1515.23
10	1501.60	1504.94	1508.81
11	1493.82	1497.35	1501.54
12	1485.29	1489.02	1493.54
13	1476.10	1480.08	1484.95
14	1466.44	1470.59	1475.77
15	1455.94	1460.20	1465.66
16	1445.05	1449.44	1455.20
17	1433.45	1437.97	1444.02
18	1421.37	1426.01	1432.36
19	1408.65	1413.33	1419.94
20	1395.31	1400.10	1406.99
21	1381.66	1386.41	1393.49
22	1367.23	1372.01	1379.33
23	1352.25	1357.05	1364.60
24	1336.97	1341.71	1349.40
25	1321.16	1325.81	1333.71
26	1304.85	1309.34	1317.38
27	1287.84	1292.53	1300.89
28	1270.79	1275.13	1283.50
29	1253.13	1257.33	1265.88
30	1235.08	1239.16	1247.86
31	1216.66	1220.59	1229.40
32	1197.77	1201.38	1210.13
33	1178.62	1182.12	1191.05
34	1159.00	1162.27	1171.27
35	1139.25	1142.15	1151.15
36	1118.93	1121.72	1130.73
37	1098.66	1101.08	1110.16
38	1078.02	1080.13	1089.15
39	1057.24	1058.90	1067.97
40	1036.08	1037.51	1046.65
41	1014.91	1015.75	1024.69
42	993.30	993.72	1002.63
43	971.43	971.69	980.52
44	949.74	949.48	958.13
45	927.84	926.97	935.60
46	905.04	904.29	912.99
47	881.77	881.79	890.33
48	858.56	858.83	867.08
49	835.27	835.97	844.21
50	811.65	812.94	820.87
51	788.51	789.94	797.70
52	765.15	766.87	774.48
53	741.85	743.86	751.35
54	718.70	720.73	727.72
55	695.43	697.53	704.49
56	672.25	674.36	681.08
57	649.18	651.12	657.55
58	626.21	628.08	634.20
59	603.32	605.15	611.42
60	580.84	582.28	587.78

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRW-14G-840K-4000L.IES**

**CANDELA TABULATION - (Cont.)**

<b>61</b>	558.21	559.36	564.28
<b>62</b>	535.80	536.36	541.17
<b>63</b>	513.45	513.80	518.17
<b>64</b>	491.49	491.00	494.95
<b>65</b>	468.85	467.81	471.96
<b>66</b>	445.39	444.57	449.00
<b>67</b>	422.34	421.91	426.35
<b>68</b>	399.34	398.88	403.21
<b>69</b>	376.73	376.62	380.95
<b>70</b>	354.39	354.50	358.24
<b>71</b>	332.54	332.57	336.06
<b>72</b>	311.13	310.87	314.13
<b>73</b>	290.07	289.54	292.53
<b>74</b>	268.66	268.46	270.89
<b>75</b>	247.73	247.98	249.26
<b>76</b>	227.28	227.55	227.59
<b>77</b>	207.58	206.60	205.95
<b>78</b>	188.48	185.27	184.24
<b>79</b>	168.74	164.51	162.81
<b>80</b>	149.12	144.56	141.59
<b>81</b>	130.35	125.27	120.98
<b>82</b>	112.39	106.71	100.79
<b>83</b>	95.09	89.17	81.33
<b>84</b>	78.71	72.83	62.56
<b>85</b>	63.19	56.38	44.67
<b>86</b>	48.57	41.49	27.63
<b>87</b>	34.82	28.75	12.35
<b>88</b>	21.82	18.58	5.63
<b>89</b>	13.84	11.08	3.53
<b>90</b>	7.55	7.53	2.33

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRW-14G-840K-4000L.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	555.42	N.A.	13.80
0-30	1164.18	N.A.	28.90
0-40	1877.05	N.A.	46.60
0-60	3219.66	N.A.	79.90
0-80	3954.65	N.A.	98.20
0-90	4028.78	N.A.	100.00
10-90	3883.82	N.A.	96.40
20-40	1321.62	N.A.	32.80
20-50	2037.19	N.A.	50.60
40-70	1811.37	N.A.	45.00
60-80	734.99	N.A.	18.20
70-80	266.23	N.A.	6.60
80-90	74.13	N.A.	1.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4028.78	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	144.96
10-20	410.46
20-30	608.76
30-40	712.86
40-50	715.57
50-60	627.05
60-70	468.75
70-80	266.23
80-90	74.13
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRW-14G-840K-4000L.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

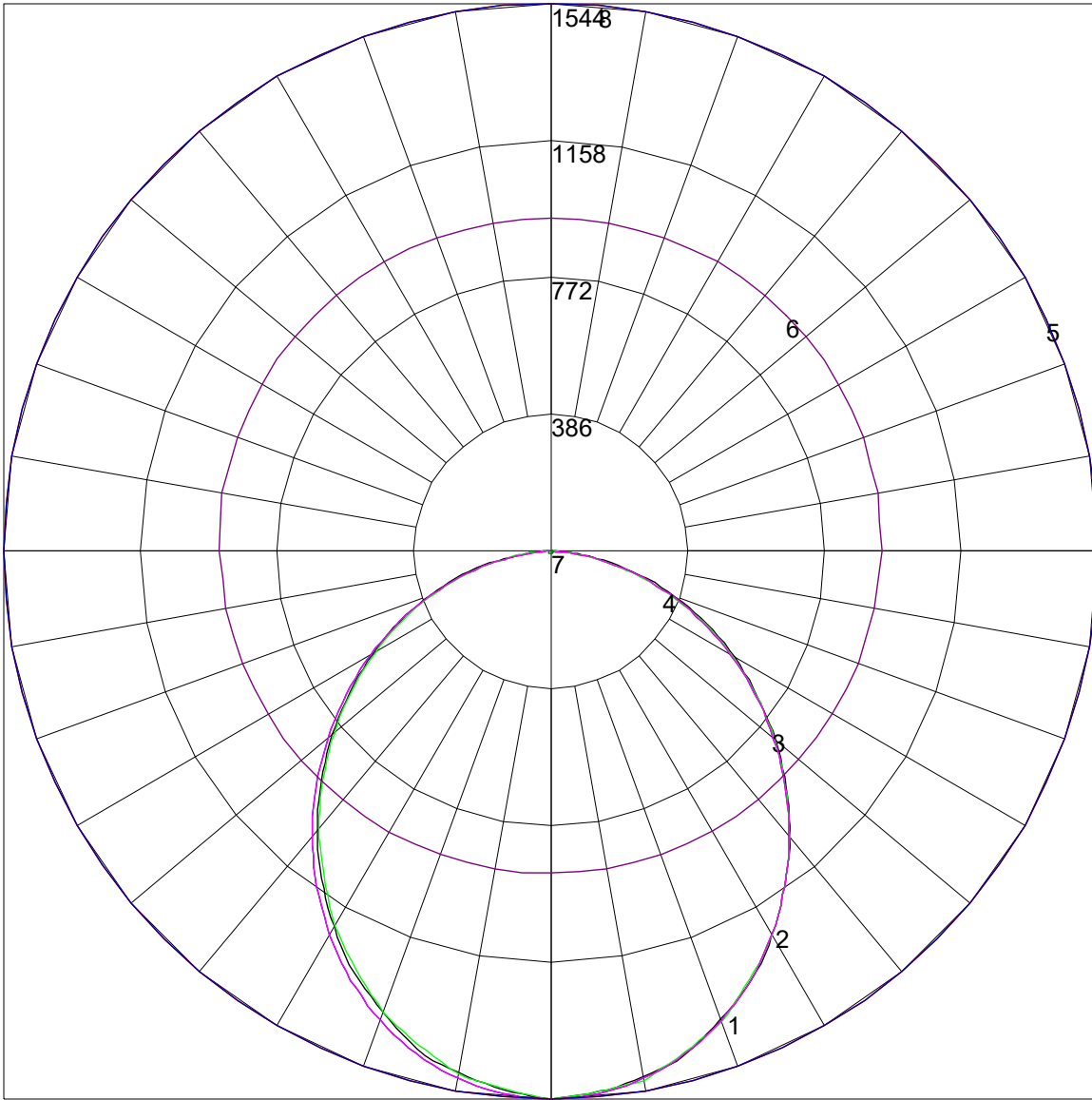
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRW-14G-840K-4000L.IES**

**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	16.2	17.8	16.6	18.2	18.5	16.3	17.9	16.7	18.3	18.6
	3H	18.0	19.4	18.3	19.8	20.1	18.0	19.5	18.4	19.8	20.2
	4H	18.6	20.0	19.0	20.3	20.7	18.6	20.0	19.0	20.4	20.7
	6H	19.1	20.3	19.5	20.7	21.1	19.0	20.3	19.4	20.7	21.1
	8H	19.2	20.4	19.6	20.8	21.2	19.1	20.4	19.6	20.8	21.1
	12H	19.2	20.4	19.7	20.8	21.2	19.2	20.4	19.7	20.8	21.2
4H	2H	16.9	18.2	17.3	18.6	19.0	17.0	18.3	17.4	18.7	19.1
	3H	18.8	20.0	19.3	20.4	20.8	18.9	20.1	19.3	20.5	20.9
	4H	19.6	20.7	20.1	21.1	21.5	19.6	20.7	20.1	21.1	21.5
	6H	20.2	21.1	20.7	21.6	22.0	20.1	21.0	20.6	21.5	21.9
	8H	20.4	21.3	20.9	21.7	22.2	20.3	21.1	20.7	21.6	22.0
	12H	20.5	21.3	21.0	21.8	22.2	20.4	21.2	20.9	21.7	22.1
8H	4H	19.9	20.8	20.4	21.2	21.7	20.0	20.8	20.4	21.3	21.7
	6H	20.7	21.4	21.2	21.9	22.4	20.6	21.3	21.1	21.8	22.2
	8H	20.9	21.6	21.4	22.1	22.6	20.8	21.4	21.3	21.9	22.4
	12H	21.1	21.7	21.6	22.2	22.8	21.0	21.6	21.5	22.0	22.6
12H	4H	20.0	20.7	20.4	21.2	21.7	20.0	20.8	20.5	21.2	21.7
	6H	20.7	21.4	21.3	21.8	22.4	20.6	21.3	21.1	21.7	22.3
	8H	21.0	21.6	21.6	22.1	22.7	20.9	21.5	21.4	21.9	22.5

Maximum UGR = 22.8

POLAR GRAPH



Maximum Candela = 1543.69 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 4 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 5 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)
- # 6 - Horizontal Cone Through Vertical Angle (45)
- # 7 - Horizontal Cone Through Vertical Angle (90)
- # 8 - Horizontal Cone Through Vertical Angle (0)