

Intensity [cd/klm] APL7-DS-28 3000K 2200lm / C-Plane measurement

[illegible]

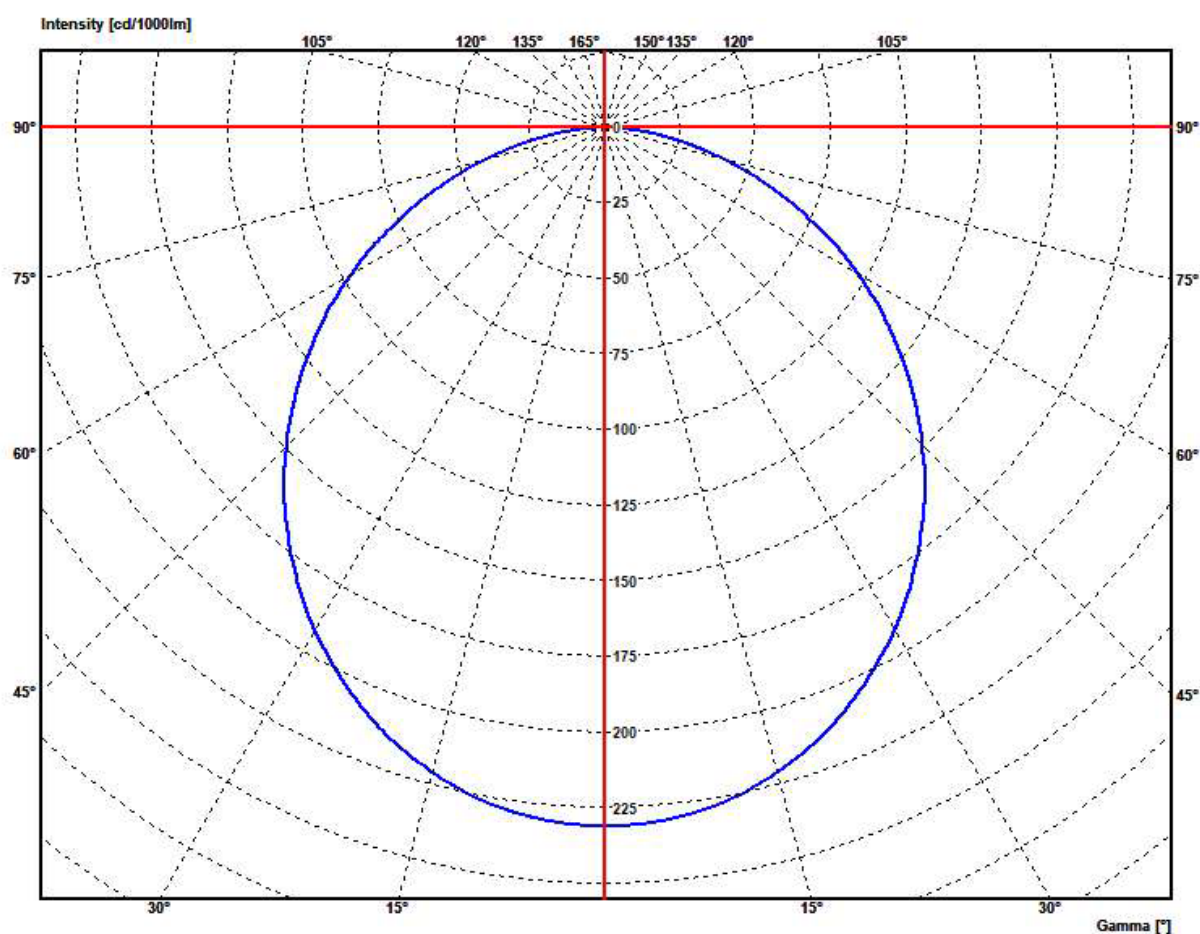
Intensity [cd/klm] APL7-DS-28 3000K 2200lm / C-Plane measurement

[illegible]

PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

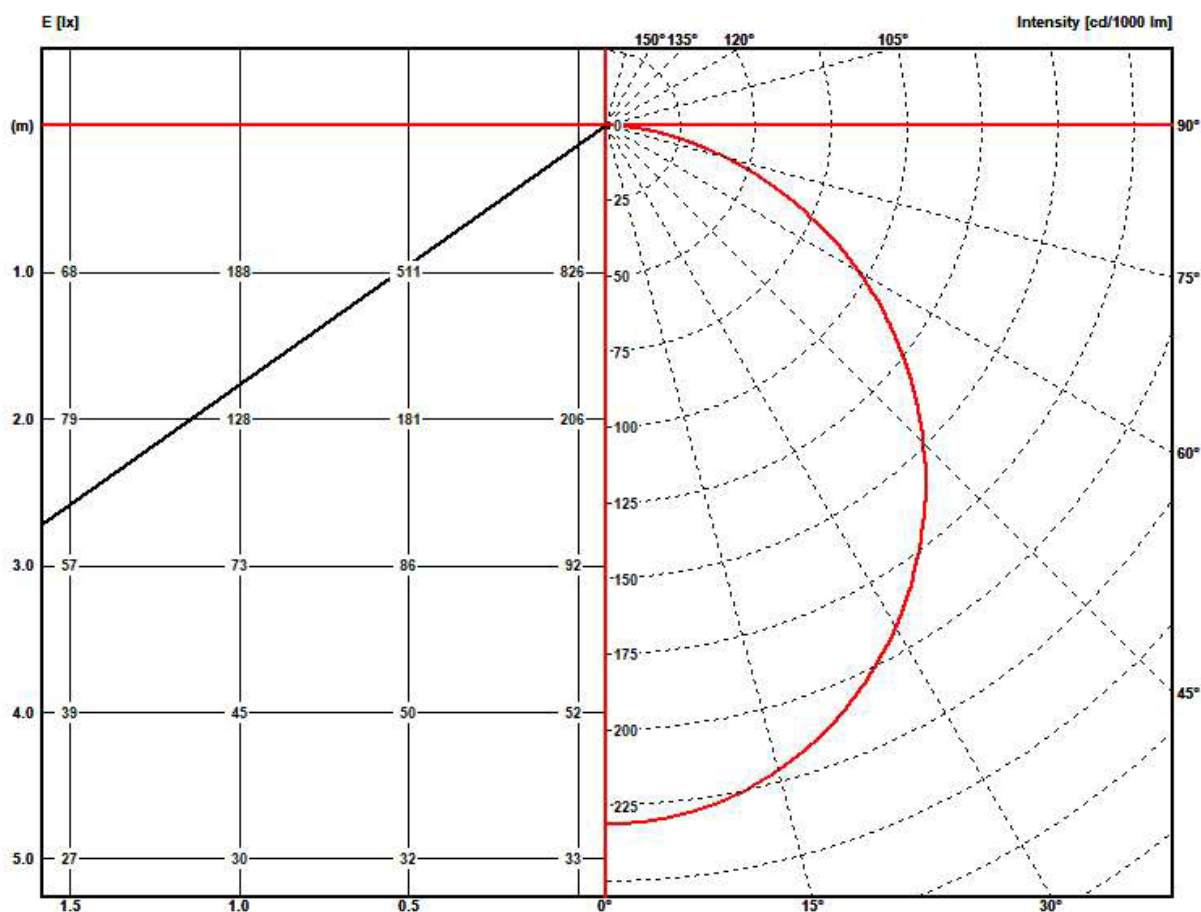
Polar diagram APL7-DS-28_3000K_2200lm / C-Plane measurement



PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

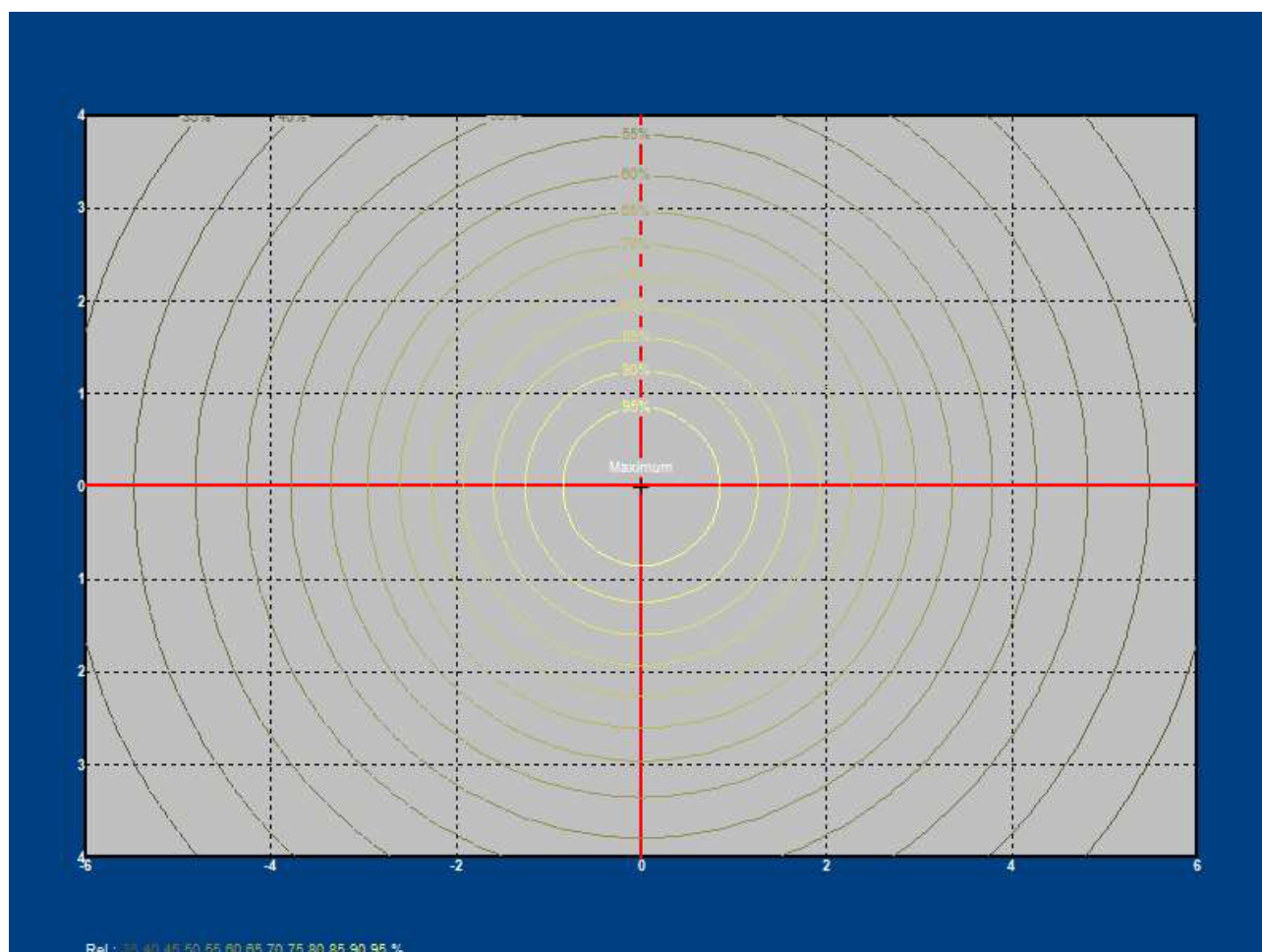
Illuminance and Intensity diagram APL7-DS-28_3000K_2200lm / C-Plane measurement



PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

Isoline diagram APL7-DS-28_3000K_2200lm / C-Plane measurement



Luminaire mounting height above ground: 3 m
 Luminaire rotation angle: 0 °

PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

LiTG Utilization factors

Ceiling	70	80	80	50	50	80	80	80	50	50	30	0
Wall	50	50	30	50	30	80	50	30	50	30	30	0
Working plane	20	30	30	30	30	10	10	10	10	10	10	0
Roomindices	Utilization coefficients for ceiling mounted luminaires											
0.6	26	27	22	27	22	39	26	22	26	22	21	17
0.8	33	34	29	33	28	45	33	28	32	28	28	23
1	38	40	34	38	33	49	38	33	37	33	32	28
1.25	44	46	41	44	40	53	43	39	42	38	38	34
1.5	48	51	45	48	44	56	47	43	46	42	42	38
2	53	57	51	53	49	59	52	48	50	47	47	43
2.5	57	61	56	57	54	62	55	52	54	51	50	47
3	60	65	60	60	57	63	58	55	56	54	53	50
4	63	68	65	63	60	65	60	58	58	57	56	53
5	65	71	68	66	63	66	62	60	60	59	58	55

Ceiling	70	80	80	50	50	80	80	80	50	50	30	0
Wall	50	50	30	50	30	80	50	30	50	30	30	0
Working plane	20	30	30	30	30	10	10	10	10	10	10	0
Roomindices	Utilization coefficients for pendant mounted luminaires											
0.6	28	29	23	28	23	42	28	22	27	22	22	17
0.8	35	37	30	34	29	47	34	29	33	28	28	23
1	40	42	36	40	34	51	39	34	38	33	33	28
1.25	46	49	43	46	41	55	45	40	43	39	38	34
1.5	50	53	47	50	45	57	48	44	46	43	42	38
2	55	59	54	55	51	60	53	49	51	48	47	43
2.5	58	64	59	58	55	62	56	53	54	51	50	47
3	61	67	63	62	58	64	59	56	57	54	53	50
4	64	71	67	64	62	65	61	59	59	57	56	53
5	66	73	70	66	64	66	63	61	61	59	58	55

PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

UGR Unified Glare Ratios

Ceiling reflectance		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall reflectance		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Floor cavity reflectance		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimension		Viewed crosswise					Viewed endwise				
2H	2H	14.9	16.5	15.2	16.8	17.1	14.9	16.5	15.2	16.8	17.1
2H	3H	16.0	17.4	16.3	17.8	18.1	16.0	17.4	16.3	17.8	18.1
2H	4H	16.3	17.7	16.7	18.1	18.5	16.3	17.7	16.7	18.1	18.5
2H	6H	16.6	17.9	17.0	18.2	18.6	16.6	17.9	17.0	18.2	18.6
2H	8H	16.6	17.8	17.0	18.2	18.6	16.6	17.8	17.0	18.2	18.6
2H	12H	16.6	17.8	17.0	18.2	18.6	16.6	17.8	17.0	18.2	18.6
4H	2H	15.3	16.7	15.7	17.1	17.4	15.3	16.7	15.7	17.1	17.4
4H	3H	16.6	17.8	17.0	18.2	18.6	16.6	17.8	17.0	18.2	18.6
4H	4H	17.1	18.1	17.5	18.6	19.0	17.1	18.1	17.5	18.6	19.0
4H	6H	17.3	18.3	17.8	18.7	19.2	17.3	18.3	17.8	18.7	19.2
4H	8H	17.4	18.3	17.9	18.7	19.2	17.4	18.3	17.9	18.7	19.2
4H	12H	17.4	18.3	17.9	18.7	19.2	17.4	18.3	17.9	18.7	19.2
8H	4H	17.2	18.1	17.7	18.5	19.0	17.2	18.1	17.7	18.5	19.0
8H	6H	17.5	18.3	18.0	18.7	19.2	17.5	18.3	18.0	18.7	19.2
8H	8H	17.7	18.3	18.2	18.8	19.3	17.7	18.3	18.2	18.8	19.3
8H	12H	17.7	18.3	18.2	18.8	19.3	17.7	18.3	18.2	18.8	19.3
12H	4H	17.2	18.0	17.7	18.5	19.0	17.2	18.0	17.7	18.5	19.0
12H	6H	17.6	18.2	18.1	18.7	19.2	17.6	18.2	18.1	18.7	19.2
12H	8H	17.7	18.2	18.2	18.7	19.2	17.7	18.2	18.2	18.7	19.2

PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

Zonal flux APL7-DS-28_3000K_2200lm / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
0.0	230.8	230.8	230.8	0.20	0.20	0.01	0.01
1.0	230.8	230.8	230.8	1.58	1.78	0.04	0.05
2.0	230.6	230.6	230.6	3.16	4.94	0.09	0.14
3.0	230.4	230.4	230.4	4.73	9.67	0.13	0.27
4.0	230.1	230.1	230.1	6.30	15.96	0.18	0.45
5.0	229.6	229.6	229.6	7.85	23.82	0.22	0.67
6.0	229.2	229.2	229.2	9.40	33.22	0.26	0.93
7.0	228.5	228.5	228.5	10.93	44.14	0.31	1.23
8.0	227.8	227.8	227.8	12.44	56.59	0.35	1.58
9.0	227.1	227.1	227.1	13.94	70.53	0.39	1.97
10.0	226.2	226.2	226.2	15.41	85.94	0.43	2.40
11.0	225.3	225.3	225.3	16.86	102.80	0.47	2.87
12.0	224.3	224.3	224.3	18.30	121.10	0.51	3.38
13.0	222.9	222.9	222.9	19.67	140.77	0.55	3.93
14.0	221.8	221.8	221.8	21.05	161.82	0.59	4.52
15.0	220.4	220.4	220.4	22.38	184.20	0.63	5.15
16.0	218.9	218.9	218.9	23.68	207.88	0.66	5.81
17.0	217.6	217.6	217.6	24.97	232.85	0.70	6.51
18.0	216.0	216.0	216.0	26.19	259.04	0.73	7.24
19.0	214.5	214.5	214.5	27.40	286.44	0.77	8.01
20.0	212.8	212.8	212.8	28.56	315.00	0.80	8.80
21.0	210.9	210.9	210.9	29.66	344.66	0.83	9.63
22.0	209.0	209.0	209.0	30.72	375.38	0.86	10.49
23.0	207.1	207.1	207.1	31.74	407.13	0.89	11.38
24.0	205.0	205.0	205.0	32.72	439.85	0.91	12.29
25.0	203.0	203.0	203.0	33.67	473.52	0.94	13.23
26.0	200.8	200.8	200.8	34.53	508.05	0.97	14.20
27.0	198.6	198.6	198.6	35.37	543.42	0.99	15.19
28.0	196.3	196.3	196.3	36.16	579.58	1.01	16.20
29.0	194.1	194.1	194.1	36.92	616.50	1.03	17.23

PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

Zonal flux APL7-DS-28_3000K_2200lm / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
30.0	191.6	191.6	191.6	37.60	654.09	1.05	18.28
31.0	189.3	189.3	189.3	38.25	692.34	1.07	19.35
32.0	186.6	186.6	186.6	38.80	731.14	1.08	20.43
33.0	183.9	183.9	183.9	39.31	770.45	1.10	21.53
34.0	181.6	181.6	181.6	39.84	810.29	1.11	22.65
35.0	178.4	178.4	178.4	40.14	850.43	1.12	23.77
36.0	175.8	175.8	175.8	40.55	890.99	1.13	24.90
37.0	173.2	173.2	173.2	40.89	931.88	1.14	26.04
38.0	170.0	170.0	170.0	41.06	972.94	1.15	27.19
39.0	167.3	167.3	167.3	41.31	1014.25	1.15	28.35
40.0	164.4	164.4	164.4	41.45	1055.70	1.16	29.51
41.0	161.5	161.5	161.5	41.57	1097.26	1.16	30.67
42.0	158.3	158.3	158.3	41.56	1138.82	1.16	31.83
43.0	155.4	155.4	155.4	41.59	1180.41	1.16	32.99
44.0	151.9	151.9	151.9	41.39	1221.80	1.16	34.15
45.0	148.6	148.6	148.6	41.24	1263.04	1.15	35.30
46.0	145.7	145.7	145.7	41.11	1304.16	1.15	36.45
47.0	142.3	142.3	142.3	40.83	1344.98	1.14	37.59
48.0	139.0	139.0	139.0	40.52	1385.50	1.13	38.72
49.0	135.6	135.6	135.6	40.16	1425.66	1.12	39.85
50.0	132.3	132.3	132.3	39.77	1465.43	1.11	40.96
51.0	129.0	129.0	129.0	39.34	1504.77	1.10	42.06
52.0	125.6	125.6	125.6	38.83	1543.60	1.09	43.14
53.0	121.8	121.8	121.8	38.16	1581.75	1.07	44.21
54.0	118.4	118.4	118.4	37.58	1619.34	1.05	45.26
55.0	114.8	114.8	114.8	36.90	1656.24	1.03	46.29
56.0	111.6	111.6	111.6	36.30	1692.54	1.01	47.30
57.0	108.3	108.3	108.3	35.65	1728.19	1.00	48.30
58.0	104.1	104.1	104.1	34.65	1762.84	0.97	49.27
59.0	100.6	100.6	100.6	33.85	1796.69	0.95	50.21

PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

Zonal flux APL7-DS-28_3000K_2200lm / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
60.0	96.6	96.6	96.6	32.84	1829.52	0.92	51.13
61.0	93.2	93.2	93.2	32.00	1861.52	0.89	52.03
62.0	89.7	89.7	89.7	31.07	1892.60	0.87	52.90
63.0	86.1	86.1	86.1	30.11	1922.71	0.84	53.74
64.0	81.9	81.9	81.9	28.88	1951.58	0.81	54.54
65.0	78.0	78.0	78.0	27.73	1979.31	0.77	55.32
66.0	74.2	74.2	74.2	26.58	2005.89	0.74	56.06
67.0	70.9	70.9	70.9	25.60	2031.49	0.72	56.78
68.0	67.2	67.2	67.2	24.43	2055.92	0.68	57.46
69.0	63.4	63.4	63.4	23.23	2079.15	0.65	58.11
70.0	59.7	59.7	59.7	22.01	2101.16	0.62	58.72
71.0	55.6	55.6	55.6	20.64	2121.79	0.58	59.30
72.0	52.4	52.4	52.4	19.56	2141.36	0.55	59.85
73.0	48.6	48.6	48.6	18.24	2159.60	0.51	60.36
74.0	45.3	45.3	45.3	17.09	2176.68	0.48	60.84
75.0	41.6	41.6	41.6	15.76	2192.44	0.44	61.28
76.0	37.8	37.8	37.8	14.38	2206.82	0.40	61.68
77.0	34.3	34.3	34.3	13.10	2219.92	0.37	62.04
78.0	31.2	31.2	31.2	11.98	2231.89	0.33	62.38
79.0	27.9	27.9	27.9	10.76	2242.65	0.30	62.68
80.0	25.0	25.0	25.0	9.66	2252.31	0.27	62.95
81.0	21.6	21.6	21.6	8.37	2260.68	0.23	63.18
82.0	18.8	18.8	18.8	7.31	2267.99	0.20	63.39
83.0	15.9	15.9	15.9	6.18	2274.17	0.17	63.56
84.0	12.8	12.8	12.8	4.98	2279.16	0.14	63.70
85.0	10.3	10.3	10.3	4.04	2283.20	0.11	63.81
86.0	7.7	7.7	7.7	3.03	2286.23	0.08	63.90
87.0	5.2	5.2	5.2	2.05	2288.28	0.06	63.95
88.0	3.2	3.2	3.2	1.27	2289.56	0.04	63.99
89.0	2.2	2.2	2.2	0.87	2290.43	0.02	64.01

PHOTOMETRIC RESULTS

Name:	APL7-DS-28_3000K_2200lm		
Number:	LED PENDANT LIGHT	Diameter:	200 mm
Report:	AL.DIE-CASTING, PC.OPAQUE ACRYLIC COVER. CRI80	Length:	0 mm
Test no.:	LT-2020-02-17-T02	Width:	0 mm
Lamp type:	LED28W, 700mA, 3000K, CRI80	Height:	194 mm
No. of lamps:	1	Power:	27.77 W
Lamp flux:	3578.00 lm	Operator:	ASY
Date:	2020-02-17 AM 10:54:56	LOR:	64.0 %
Comment:	OSRAM OT FIT30/220-240 700 CS, 23-42VDC, 30W, 700mA		

Zonal flux APL7-DS-28_3000K_2200lm / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
90.0	1.1	1.1	1.1	0.42	2290.86	0.01	64.03