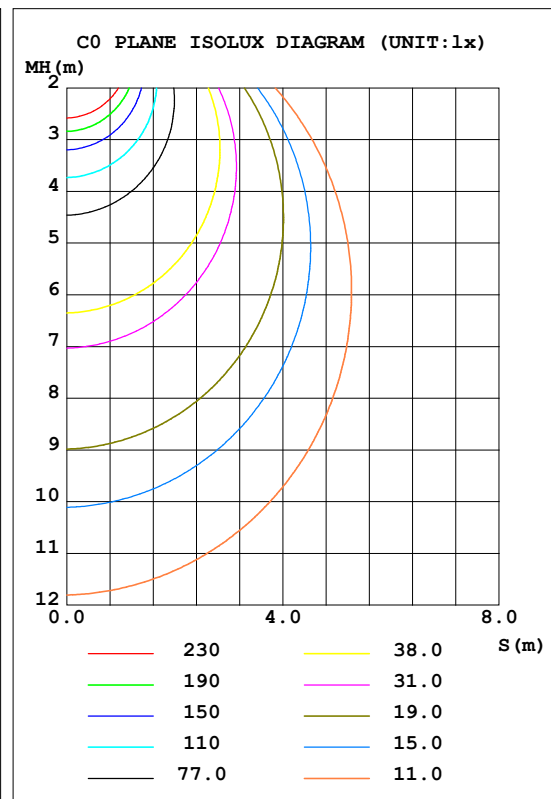
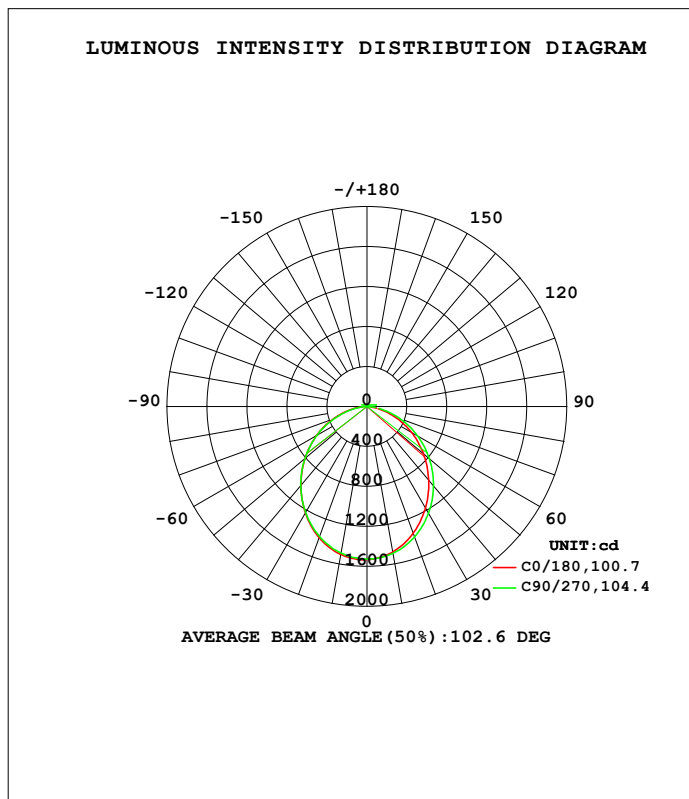


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.56 lm/W			
MODEL	LLS-LS60FDFWS1200 (N)	I _{max} (cd)	1534	S/MH (C0/180)	1.15
NOMINAL POWER (W)	34	LOR (%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3927.1	η UP, DN (C0-180)	0.6, 48.7
NOMINAL FLUX (lm)	3927.07	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 50.1
LAMPS INSIDE	1	η up (%)	1.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	98.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JYH
 Test Date: 2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.950m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

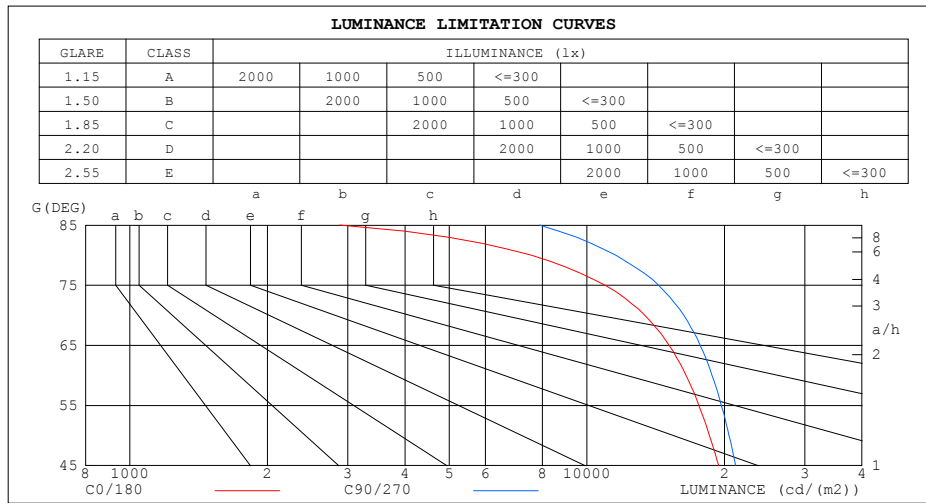
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1478	1492	1492	1488	1504	1492	1490	1491	0- 10	144.2	144.2	3.67,3.67
20	1351	1382	1390	1377	1398	1383	1386	1384	10- 20	407.0	551.1	14,14
30	1171	1216	1232	1211	1232	1217	1227	1220	20- 30	600.5	1152	29.3,29.3
40	962.0	1014	1036	1009	1030	1016	1032	1020	30- 40	699.5	1851	47.1,47.1
50	739.4	791.8	816.4	788.8	810.3	794.5	812.3	799.6	40- 50	699.0	2550	64.9,64.9
60	511.3	561.0	582.9	559.6	584.0	564.8	577.9	569.3	50- 60	607.5	3158	80.4,80.4
70	284.1	325.2	345.5	324.2	353.7	333.9	338.5	337.7	60- 70	442.2	3600	91.7,91.7
80	81.32	112.6	124.5	112.9	141.1	120.7	122.1	122.5	70- 80	232.5	3832	97.6,97.6
90	1.228	2.089	2.941	1.890	3.071	0.7042	0.5629	0.6900	80- 90	48.95	3881	98.8,98.8
100	2.771	2.725	2.870	2.656	1.790	1.906	2.028	2.000	90-100	1.835	3883	98.9,98.9
110	4.997	4.735	5.408	4.280	4.059	3.660	4.983	3.913	100-110	3.578	3887	99,99
120	7.116	6.805	8.189	5.812	6.173	5.326	7.648	5.968	110-120	5.531	3892	99.1,99.1
130	9.216	8.914	10.42	7.685	7.879	7.209	9.926	7.877	120-130	6.858	3899	99.3,99.3
140	11.61	10.69	12.21	9.866	10.20	9.618	11.76	9.775	130-140	7.473	3906	99.5,99.5
150	14.08	12.28	14.21	12.51	11.82	12.45	13.87	11.49	140-150	7.365	3914	99.7,99.7
160	16.73	14.46	17.42	15.91	13.86	15.68	16.90	13.89	150-160	6.525	3920	99.8,99.8
170	19.66	18.63	19.86	19.89	16.49	19.34	19.48	18.39	160-170	4.841	3925	100,100
180	19.26	21.90	21.57	21.95	19.24	21.90	21.59	21.98	170-180	1.895	3927	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2880	7876
80	7554	11563
75	10971	14352
70	13397	16293
65	15134	17707
60	16493	18804
55	17595	19703
50	18553	20485
45	19428	21180

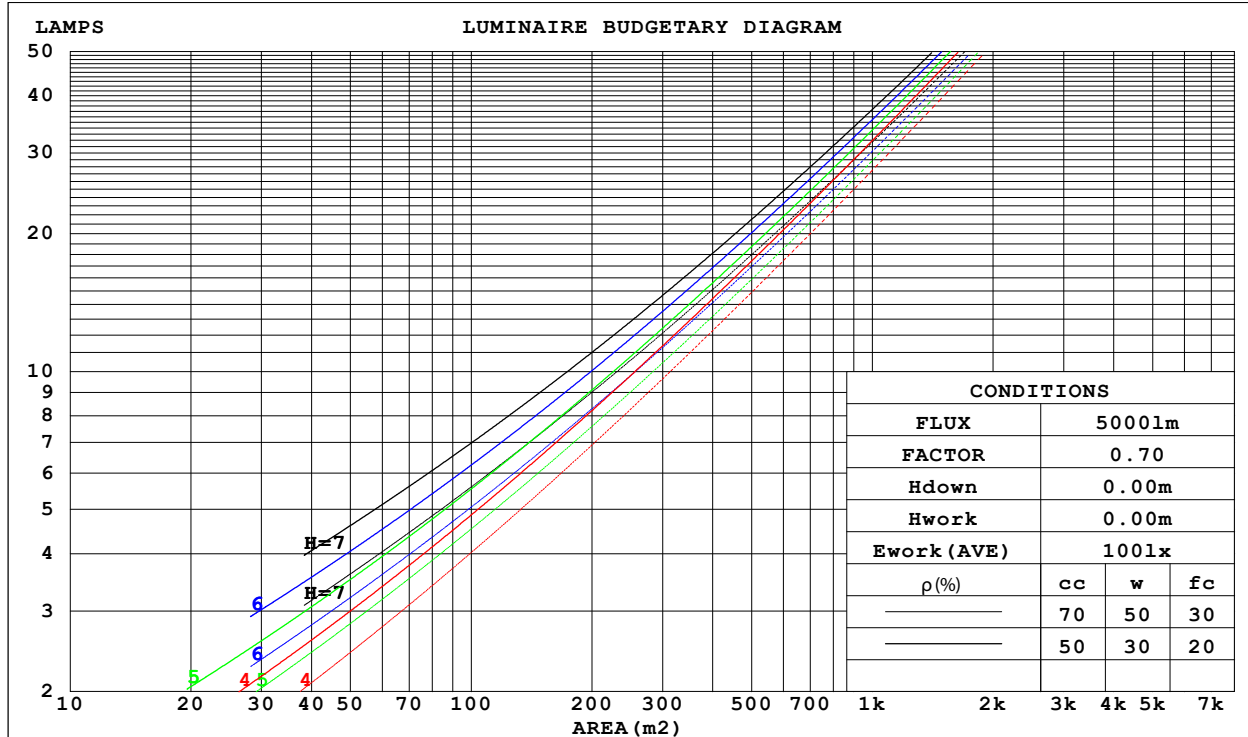
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.04	1.00	.97	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.85	.79	.89	.83	.78	.86	.81	.76	.82	.78	.74	.79	.76	.73	.70
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.64	.73	.68	.63	.70	.66	.62	.60
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.49	.63	.55	.49	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.293	.167	.053	.286	.163	.052	.272	.156	.050	.260	.150	.048	.248	.144	.046	
2.0	.279	.153	.047	.273	.150	.046	.261	.145	.045	.249	.140	.044	.239	.135	.043	
3.0	.260	.138	.041	.254	.136	.041	.244	.132	.040	.234	.128	.039	.224	.124	.038	
4.0	.241	.125	.037	.236	.124	.037	.226	.120	.036	.218	.117	.035	.209	.114	.035	
5.0	.224	.114	.033	.219	.113	.033	.211	.110	.032	.203	.107	.032	.195	.104	.031	
6.0	.208	.104	.030	.204	.103	.030	.196	.101	.029	.189	.098	.029	.183	.096	.029	
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.182	.089	.025	.178	.088	.025	.172	.086	.025	.167	.084	.024	.161	.083	.024	
9.0	.171	.082	.023	.168	.082	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.161	.077	.021	.158	.076	.021	.153	.075	.021	.148	.074	.021	.144	.072	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.188	.165	.145	.161	.142	.124	.110	.098	.086	.063	.056	.050	.020	.018	.016	
2.0	.180	.141	.109	.154	.121	.094	.105	.084	.065	.061	.049	.038	.020	.016	.013	
3.0	.172	.123	.085	.147	.106	.074	.101	.074	.052	.058	.043	.030	.019	.014	.010	
4.0	.164	.110	.069	.141	.095	.060	.097	.066	.042	.056	.039	.025	.018	.013	.008	
5.0	.157	.099	.057	.135	.086	.050	.093	.060	.035	.054	.035	.021	.017	.012	.007	
6.0	.150	.091	.049	.129	.079	.043	.089	.055	.030	.051	.032	.018	.017	.011	.006	
7.0	.143	.084	.043	.123	.073	.038	.085	.051	.027	.049	.030	.016	.016	.010	.005	
8.0	.137	.078	.038	.118	.068	.034	.081	.048	.024	.047	.028	.014	.015	.009	.005	
9.0	.131	.073	.035	.112	.064	.030	.078	.045	.022	.045	.026	.013	.015	.009	.004	
10.0	.125	.069	.032	.108	.060	.028	.075	.042	.020	.044	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm										
NAME: ML-OL					TYPE:			WEIGHT:		
SPEC.:ML-OL					DIM.: 1200*52*45mm			SERIAL No.:		
MFR.: Mercury Lighting					SUR.:1200*52mm			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.9	19.3	18.1	19.5	19.8	18.3	19.8	18.6	20.0	20.2
3H	19.1	20.4	19.4	20.7	20.9	19.7	21.0	20.0	21.3	21.5
4H	19.4	20.7	19.8	21.0	21.3	20.2	21.5	20.5	21.7	22.0
6H	19.6	20.8	20.0	21.1	21.4	20.5	21.7	20.8	22.0	22.3
8H	19.6	20.8	20.0	21.1	21.4	20.6	21.7	20.9	22.0	22.3
12H	19.6	20.7	20.0	21.0	21.3	20.6	21.7	20.9	22.0	22.3
4H 2H	18.5	19.7	18.8	20.0	20.3	18.8	20.1	19.1	20.4	20.7
3H	19.8	21.0	20.2	21.3	21.6	20.4	21.5	20.7	21.8	22.1
4H	20.3	21.4	20.7	21.7	22.0	21.0	22.0	21.4	22.3	22.7
6H	20.6	21.5	21.0	21.9	22.3	21.4	22.3	21.8	22.7	23.0
8H	20.6	21.5	21.1	21.9	22.3	21.5	22.3	21.9	22.7	23.1
12H	20.6	21.4	21.1	21.8	22.2	21.5	22.3	22.0	22.7	23.1
8H 4H	20.6	21.4	21.0	21.8	22.2	21.1	22.0	21.6	22.4	22.8
6H	20.9	21.6	21.4	22.0	22.5	21.7	22.4	22.1	22.8	23.2
8H	21.0	21.6	21.5	22.1	22.5	21.8	22.4	22.3	22.9	23.4
12H	21.0	21.5	21.5	22.0	22.5	21.9	22.4	22.4	22.9	23.4
12H 4H	20.6	21.3	21.0	21.7	22.2	21.1	21.9	21.6	22.3	22.7
6H	21.0	21.6	21.4	22.0	22.5	21.7	22.3	22.1	22.7	23.2
8H	21.1	21.6	21.6	22.1	22.6	21.9	22.4	22.3	22.8	23.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.3				

CIE Pub.117, 3927 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.8)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:

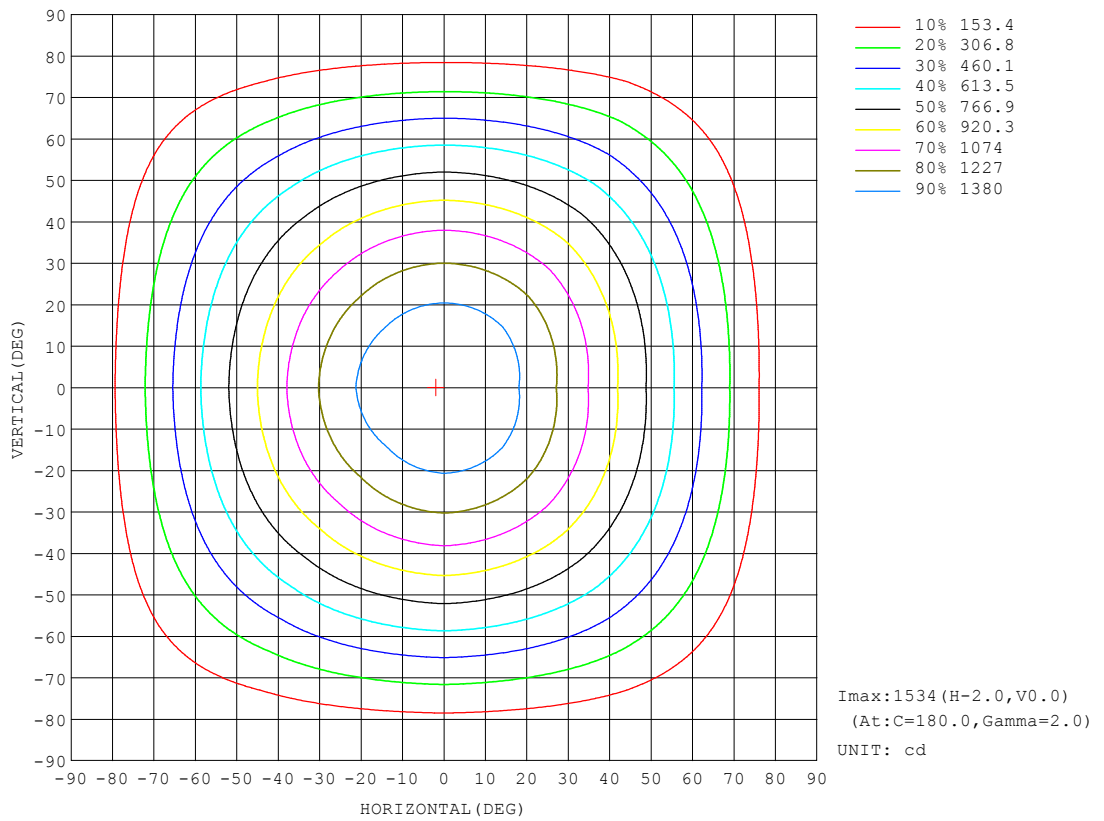
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	59	48	41	58	47	41	57	47	41	34
0.80	69	58	51	68	57	50	66	56	50	43
1.00	77	67	59	76	66	59	74	67	59	52
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	87	79	72	84	77	71	64
2.00	96	88	81	94	86	81	90	84	79	71
2.50	100	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	96	92	88	79
4.00	107	101	97	104	99	95	100	96	93	83
5.00	109	104	101	106	102	99	102	99	96	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:



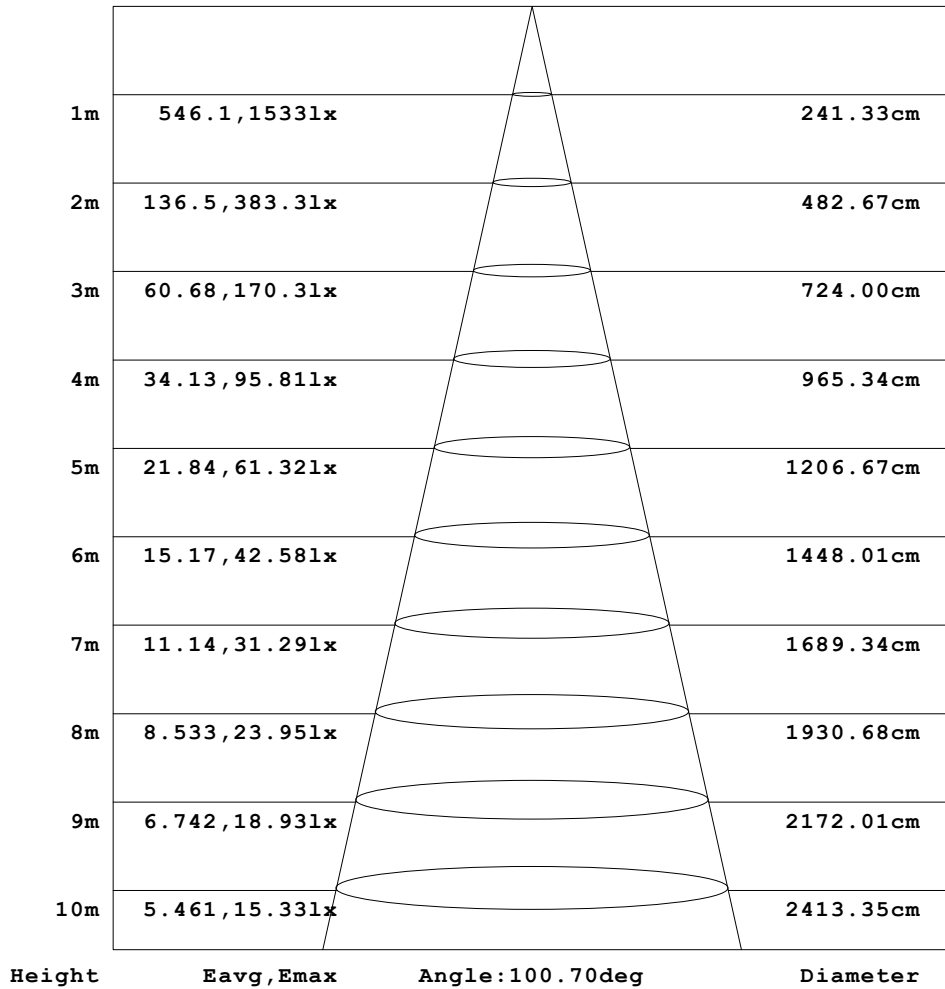
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:

Flux out:2616 lm



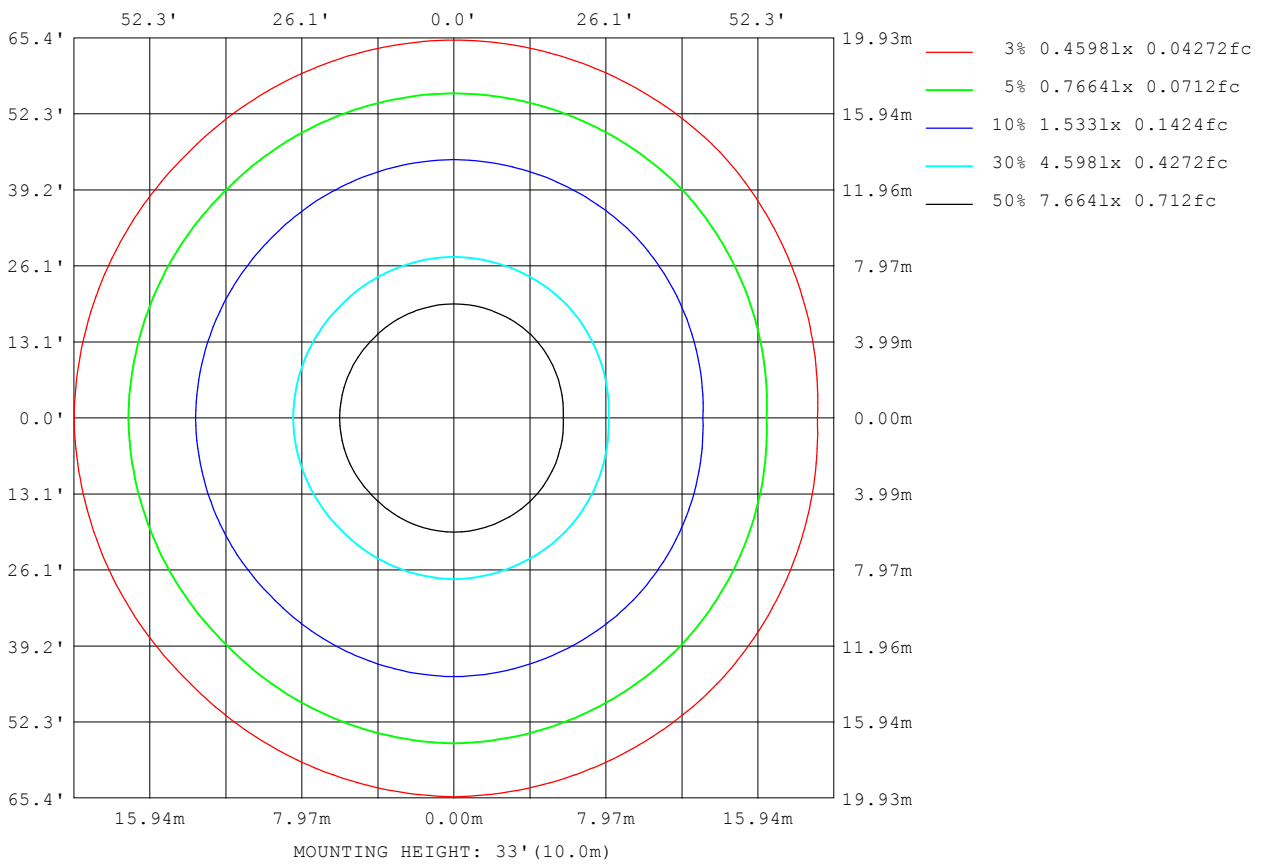
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2022-07-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:

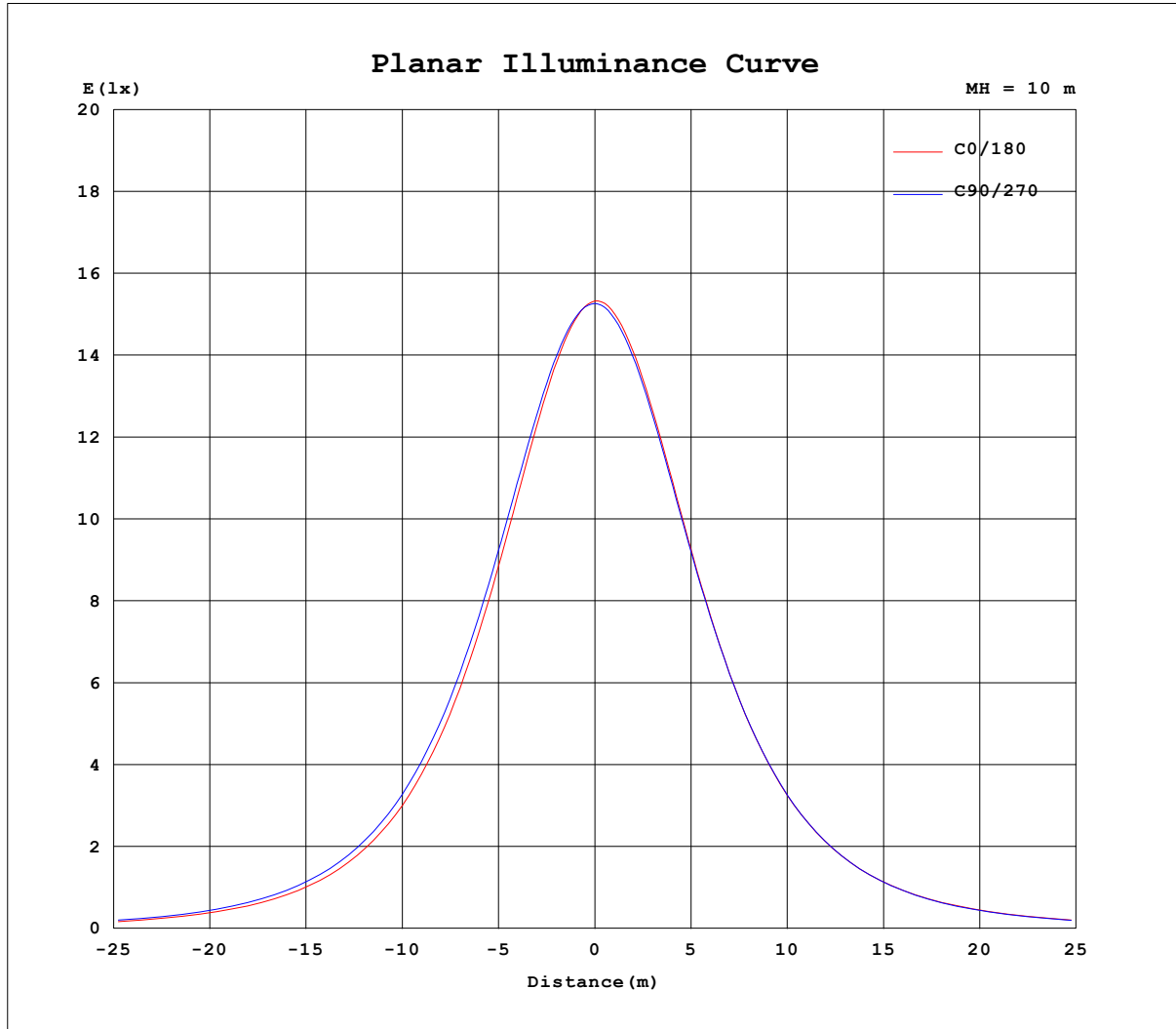
AvgL	cd/m2
L_0~180 (65) av	16536
L_0~180 (75) av	13085
L_0~180 (85) av	6579
L_90~270 (65) av	17617
L_90~270 (75) av	14203
L_90~270 (85) av	7737
L_45 (65) av	17070
L_45 (75) av	13675
L_45 (85) av	6932

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JYH
 Test Date: 2022-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.1660A P:35.20W PF:0.9660 Freq:50.00Hz Lamp Flux:3927.07x1 lm		
NAME: ML-OL	TYPE:	WEIGHT:
SPEC.:ML-OL	DIM.: 1200*52*45mm	SERIAL No.:
MFR.: Mercury Lighting	SUR.:1200*52mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315											
0	1533	1531	1527	1528	1533	1531	1527	1528											
5	1515	1521	1518	1517	1529	1521	1517	1519											
10	1478	1492	1492	1488	1504	1492	1490	1491											
15	1423	1445	1449	1441	1460	1445	1445	1446											
20	1351	1382	1390	1377	1398	1383	1386	1384											
25	1266	1305	1317	1300	1321	1305	1312	1308											
30	1171	1216	1232	1211	1232	1217	1227	1220											
35	1069	1118	1138	1115	1134	1120	1133	1124											
40	962	1014	1036	1009	1030	1016	1032	1020											
45	852	904	929	902	921	907	924	912											
50	739	792	816	789	810	795	812	800											
55	626	677	701	675	697	680	696	685											
60	511	561	583	560	584	565	578	569											
65	397	444	464	443	470	449	459	453											
70	284	325	345	324	354	334	339	338											
75	176	214	230	214	244	223	226	226											
80	81.3	113	124	113	141	121	122	123											
85	15.6	34.1	42.6	34.4	55.5	40.0	41.1	41.3											
90	1.23	2.09	2.94	1.89	3.07	0.70	0.56	0.69											
95	1.81	2.11	2.59	2.00	0.89	1.09	1.13	1.13											
100	2.77	2.72	2.87	2.66	1.79	1.91	2.03	2.00											
105	3.89	3.64	3.91	3.43	2.92	2.77	3.40	3.00											
110	5.00	4.73	5.41	4.28	4.06	3.66	4.98	3.91											
115	6.05	5.76	6.91	5.04	5.16	4.51	6.36	4.94											
120	7.12	6.81	8.19	5.81	6.17	5.33	7.65	5.97											
125	8.12	7.93	9.90	6.70	7.12	6.19	8.81	6.94											
130	9.22	8.91	10.4	7.68	7.88	7.21	9.93	7.88											
135	10.4	9.84	11.3	8.71	9.09	8.35	10.9	8.83											
140	11.6	10.7	12.2	9.87	10.2	9.62	11.8	9.77											
145	13.0	11.5	13.1	11.1	11.0	11.0	12.6	10.6											
150	14.1	12.3	14.2	12.5	11.8	12.5	13.9	11.5											
155	15.3	13.2	15.8	14.1	12.9	14.0	15.5	12.5											
160	16.7	14.5	17.4	15.9	13.9	15.7	16.9	13.9											
165	18.2	16.3	18.8	17.9	15.1	17.5	18.2	16.0											
170	19.7	18.6	19.9	19.9	16.5	19.3	19.5	18.4											
175	20.3	20.6	20.9	21.1	17.0	20.7	20.7	20.7											
180	19.3	21.9	21.6	21.9	19.2	21.9	21.6	22.0											

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