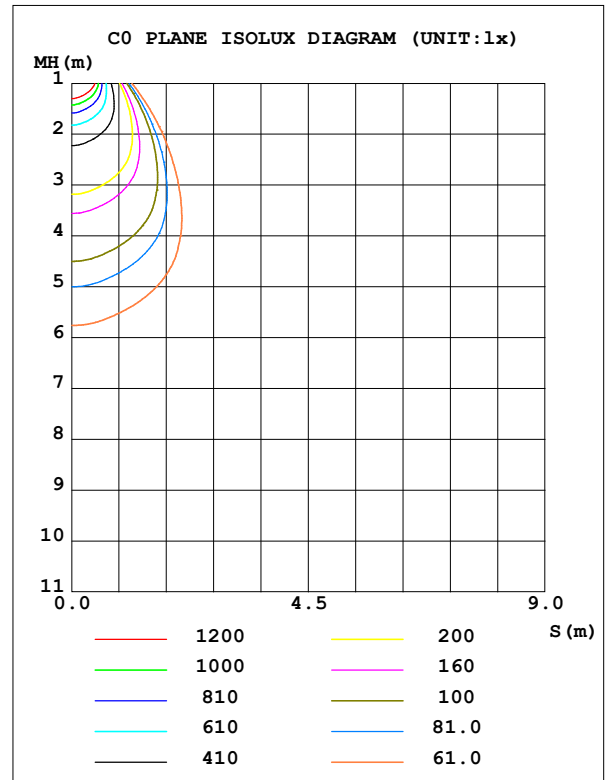
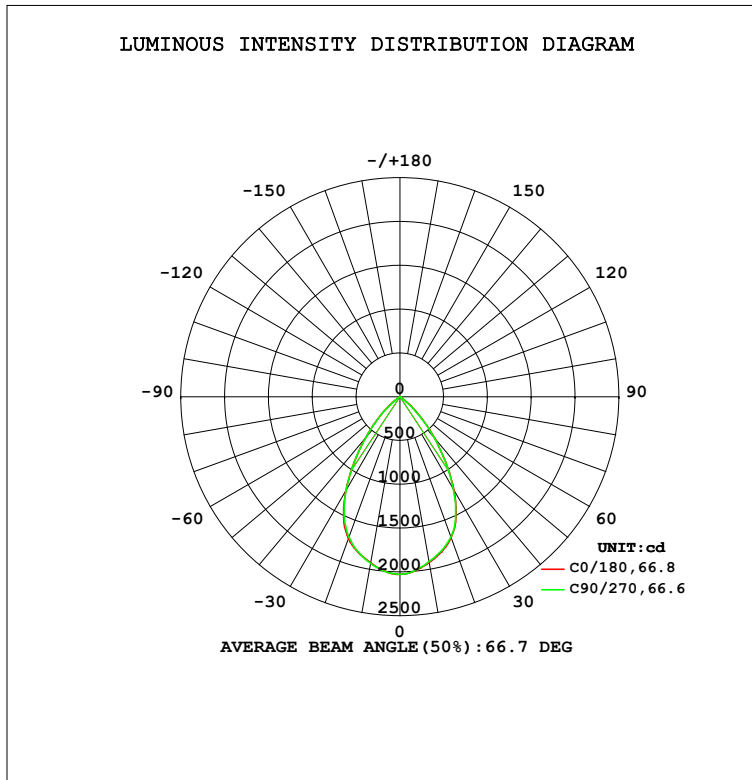


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.94 lm/W
MODEL	SLCD151F-60S3P-TWD63-CW	I _{max} (cd)	2027	S/MH (C0/180)	0.99	
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	0.99	
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	2282.6	η UP,DN (C0-180)	0.0,49.9	
NOMINAL FLUX (lm)	2282.64	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.1	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00	
TEST VOLTAGE (V)	240.2	η down (%)	100.0	CIBSE SHR MAX	1.00	



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

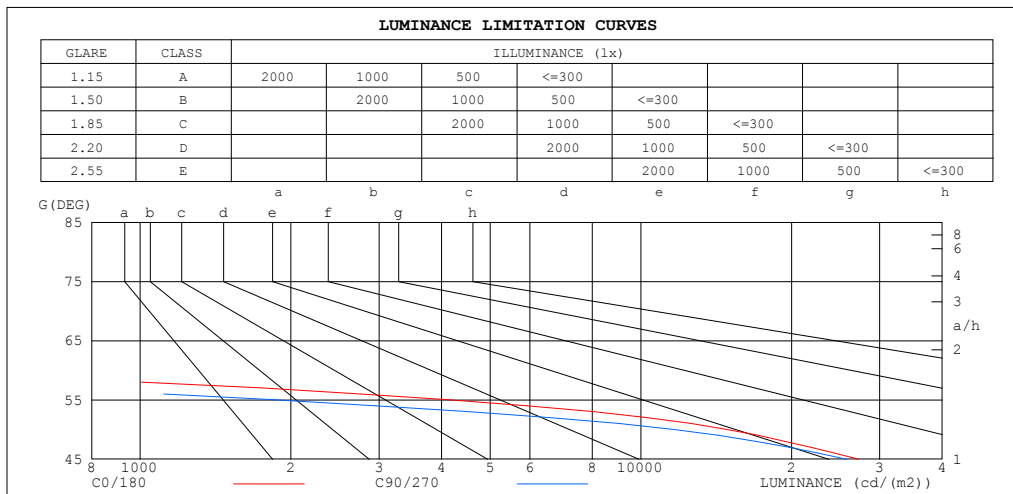
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	1921	1912	1926	1932					0- 10	188.2	188.2	8.24, 8.24
20	1711	1702	1722	1705					10- 20	514.9	703.0	30.8, 30.8
30	1234	1223	1236	1229					20- 30	686.9	1390	60.9, 60.9
40	613.5	604.7	613.2	604.1					30- 40	565.4	1955	85.7, 85.7
50	179.7	140.9	182.3	147.2					40- 50	278.1	2233	97.8, 97.8
60	5.973	5.063	6.136	5.702					50- 60	45.67	2279	99.8, 99.8
70	1.367	0.9772	1.335	1.185					60- 70	2.924	2282	100, 100
80	0.1831	0.1546	0.1401	0.1832					70- 80	0.5723	2283	100, 100
90	0.0984	0.0633	0.0914	0.1055					80- 90	0.1237	2283	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	74	51
80	56	47
75	114	71
70	213	152
65	366	302
60	636	539
55	4133	1855
50	14873	11653
45	27272	25789

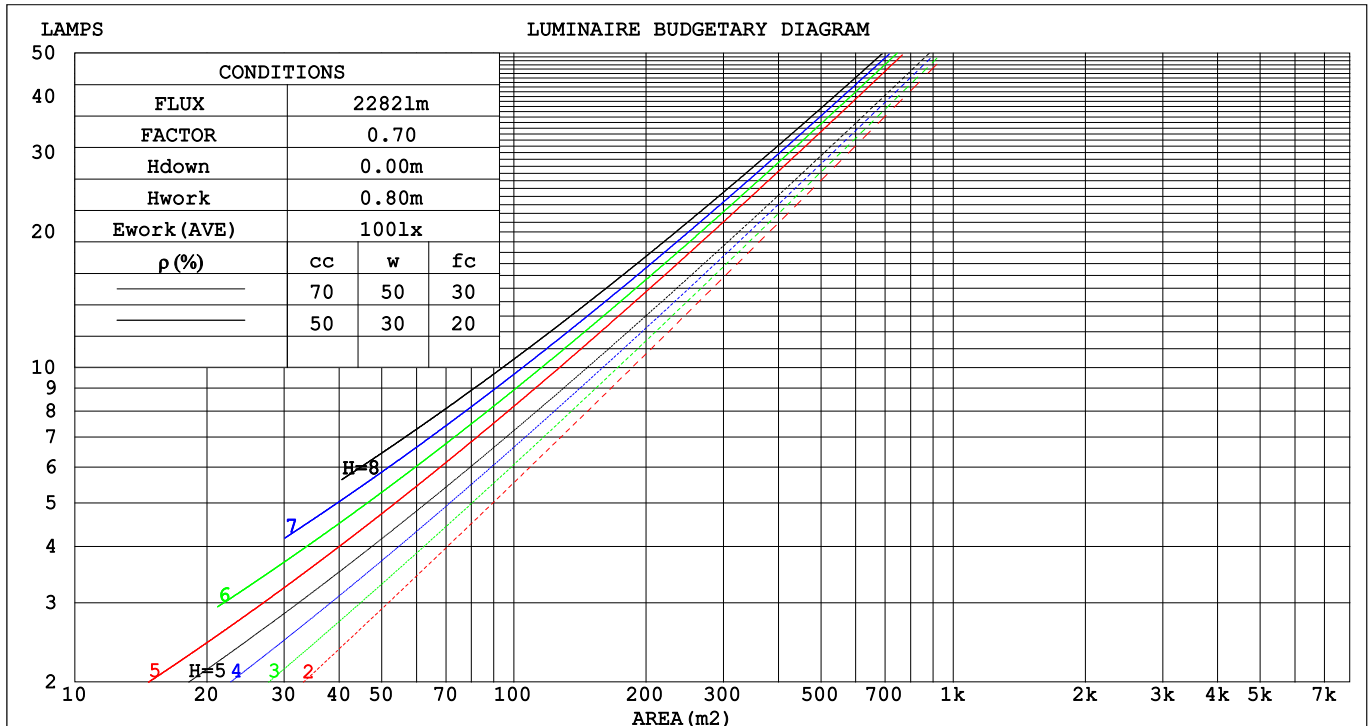
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm																	
NAME: SLCD151F-60S3P-TWD63-CW									TYPE:25W						WEIGHT:		
SPEC.:5700K									DIM.:						SERIAL No.:1		
MFR.:									SUR.:0.0188						Shielding Angle:		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.188	.107	.034	.181	.103	.033	.169	.097	.031	.157	.091	.029	.146	.085	.027	
2.0	.182	.100	.031	.176	.097	.030	.166	.092	.029	.156	.087	.027	.147	.083	.026	
3.0	.175	.093	.028	.170	.091	.027	.161	.087	.026	.152	.083	.026	.144	.080	.025	
4.0	.167	.087	.026	.163	.085	.025	.155	.082	.025	.147	.079	.024	.141	.076	.023	
5.0	.160	.081	.024	.156	.080	.023	.149	.078	.023	.142	.075	.022	.136	.073	.022	
6.0	.153	.076	.022	.149	.075	.022	.143	.073	.021	.137	.071	.021	.132	.069	.021	
7.0	.146	.072	.020	.143	.071	.020	.137	.069	.020	.132	.068	.020	.127	.066	.019	
8.0	.140	.068	.019	.137	.067	.019	.132	.066	.019	.127	.065	.019	.123	.063	.018	
9.0	.134	.065	.018	.131	.064	.018	.127	.063	.018	.123	.061	.018	.119	.060	.017	
10.0	.128	.061	.017	.126	.061	.017	.122	.060	.017	.118	.059	.017	.115	.058	.017	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.088	.125	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.071	.117	.086	.061	.081	.060	.043	.047	.035	.026	.015	.011	.008	
5.0	.129	.088	.058	.110	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.122	.079	.048	.105	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.115	.071	.040	.099	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.110	.065	.035	.095	.057	.030	.065	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.105	.060	.030	.090	.052	.026	.063	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.087	.049	.023	.060	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	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	16.9	17.9	17.1	18.1	18.3	16.7	17.8	17.0	17.9	18.1
3H	16.7	17.7	17.0	17.9	18.1	16.6	17.5	16.8	17.7	17.9
4H	16.6	17.5	16.9	17.8	18.0	16.5	17.4	16.7	17.6	17.8
6H	16.5	17.4	16.8	17.6	17.9	16.4	17.2	16.7	17.5	17.7
8H	16.5	17.3	16.8	17.6	17.8	16.3	17.1	16.6	17.4	17.7
12H	16.5	17.2	16.8	17.5	17.8	16.3	17.0	16.6	17.3	17.6
4H 2H	16.6	17.5	16.9	17.8	18.0	16.5	17.4	16.8	17.6	17.8
3H	16.5	17.2	16.8	17.5	17.8	16.3	17.1	16.6	17.3	17.6
4H	16.4	17.1	16.7	17.4	17.7	16.2	16.9	16.5	17.2	17.5
6H	16.3	16.9	16.6	17.2	17.6	16.1	16.7	16.5	17.0	17.4
8H	16.2	16.8	16.6	17.1	17.5	16.1	16.6	16.4	17.0	17.3
12H	16.2	16.7	16.6	17.1	17.4	16.0	16.5	16.4	16.9	17.3
8H 4H	16.2	16.8	16.6	17.1	17.5	16.1	16.6	16.4	17.0	17.3
6H	16.1	16.6	16.6	17.0	17.4	16.0	16.4	16.4	16.8	17.2
8H	16.1	16.5	16.5	16.9	17.3	15.9	16.3	16.3	16.7	17.2
12H	16.0	16.4	16.5	16.8	17.3	15.8	16.2	16.3	16.6	17.1
12H 4H	16.2	16.7	16.6	17.1	17.4	16.0	16.5	16.4	16.9	17.3
6H	16.1	16.5	16.5	16.9	17.3	15.9	16.3	16.3	16.7	17.2
8H	16.0	16.4	16.5	16.8	17.3	15.8	16.2	16.3	16.6	17.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / -19.0					+ 2.5 / -21.4				
1.5H	+ 3.8 / -12.9					+ 3.9 / -14.6				
2.0H	+ 6.6 / -20.0					+ 6.9 / -19.8				

CIE Pub.117, 2283 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.9)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

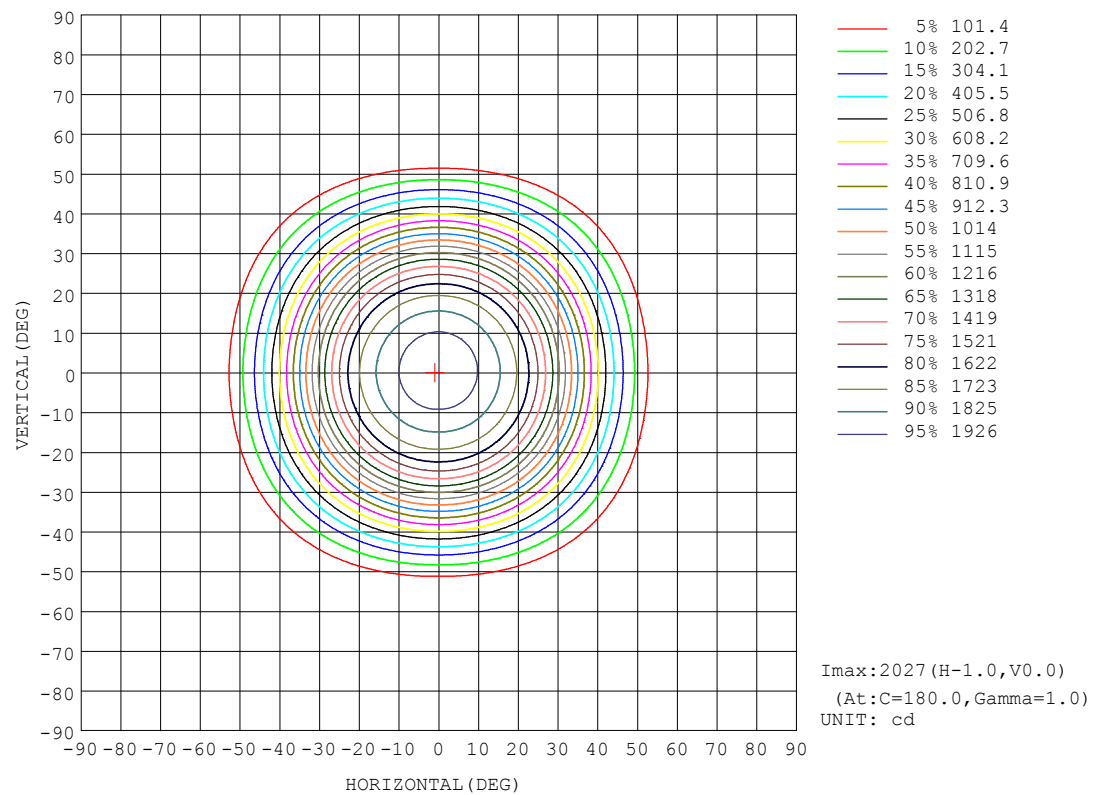
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	82	75	71	82	75	71	81	75	71	67
0.80	91	84	80	90	84	80	89	83	79	75
1.00	96	90	86	95	90	86	94	90	85	81
1.25	101	95	91	100	95	91	98	94	90	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

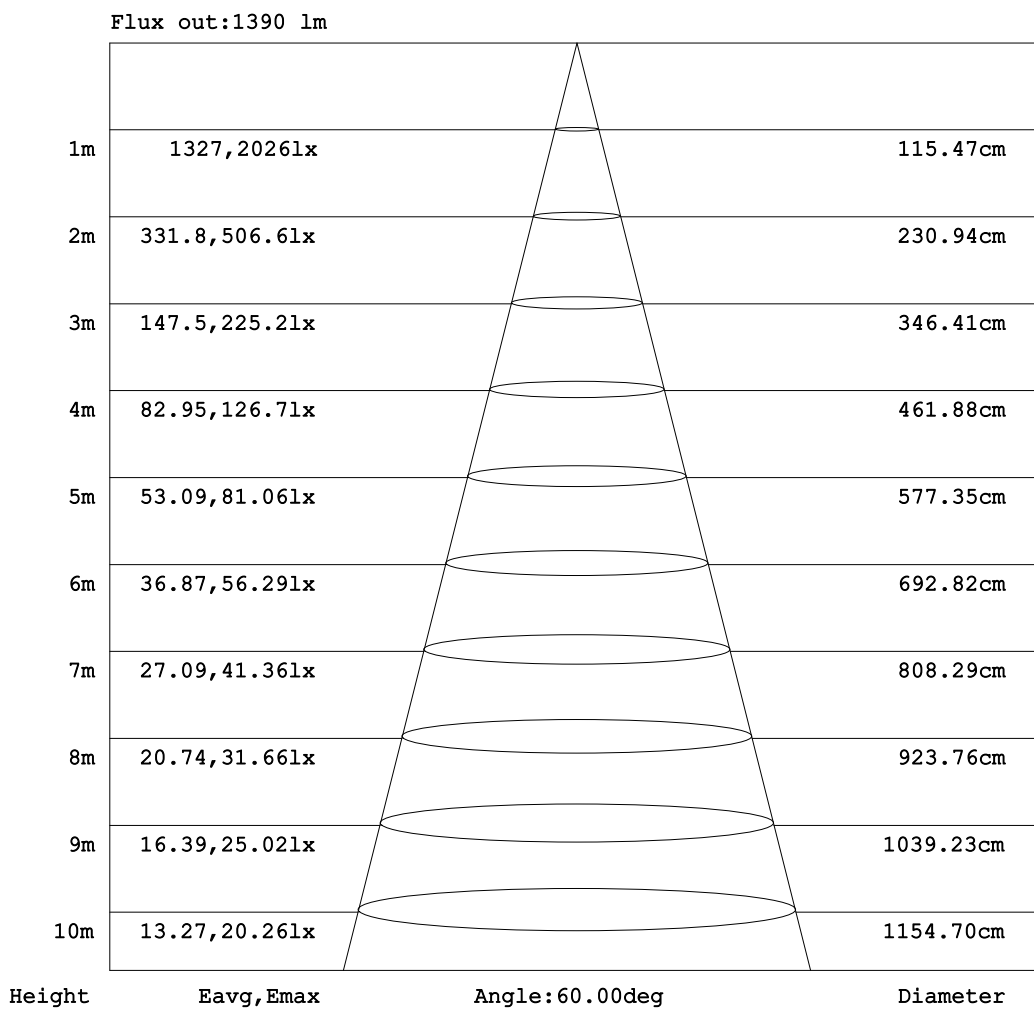


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:



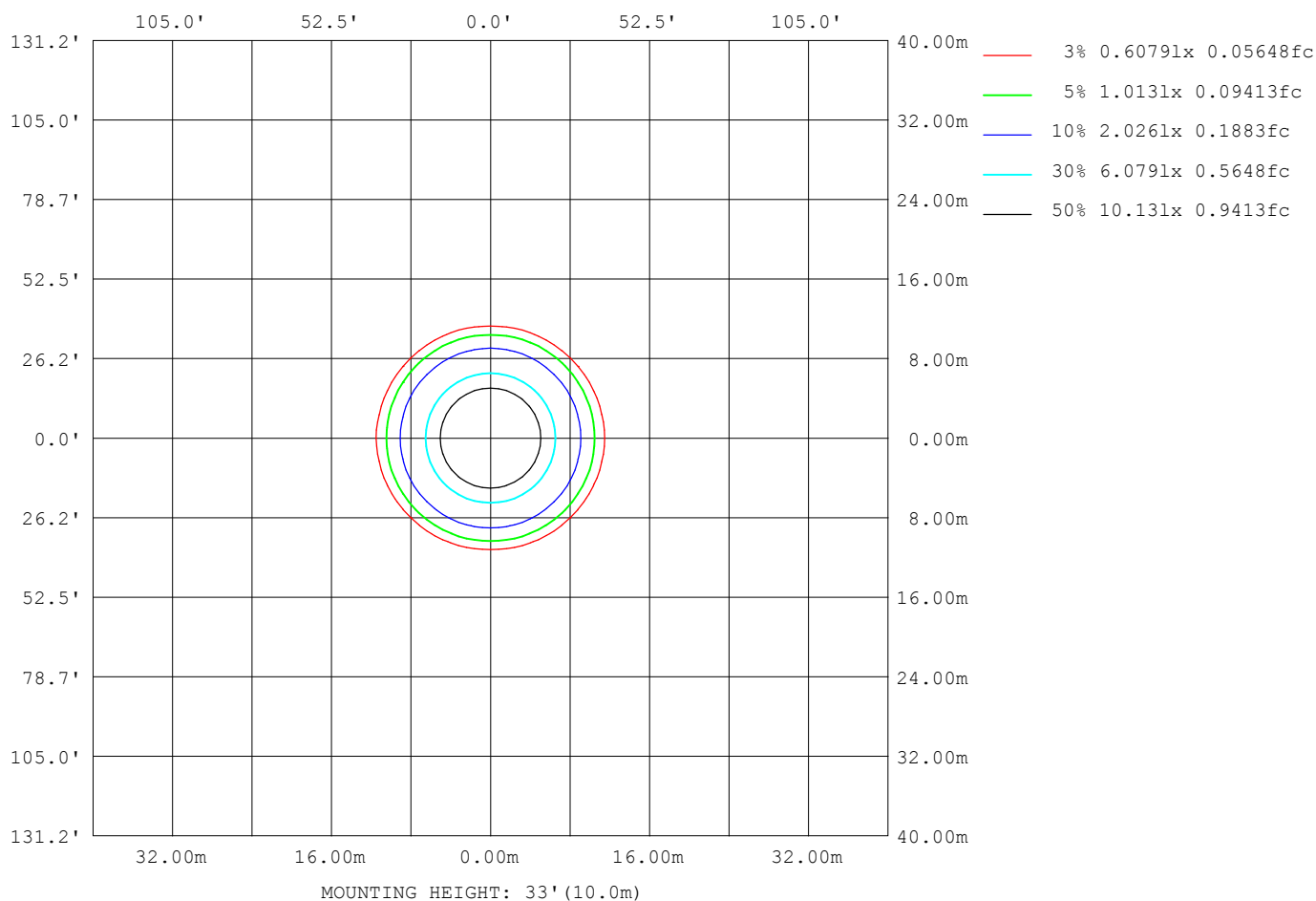
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:240.20V I:0.1080A P:25.100W PF:0.9610 Freq:50.00Hz Lamp Flux:2282.64x1 lm		
NAME: SLCD151F-60S3P-TWD63-CW	TYPE:25W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

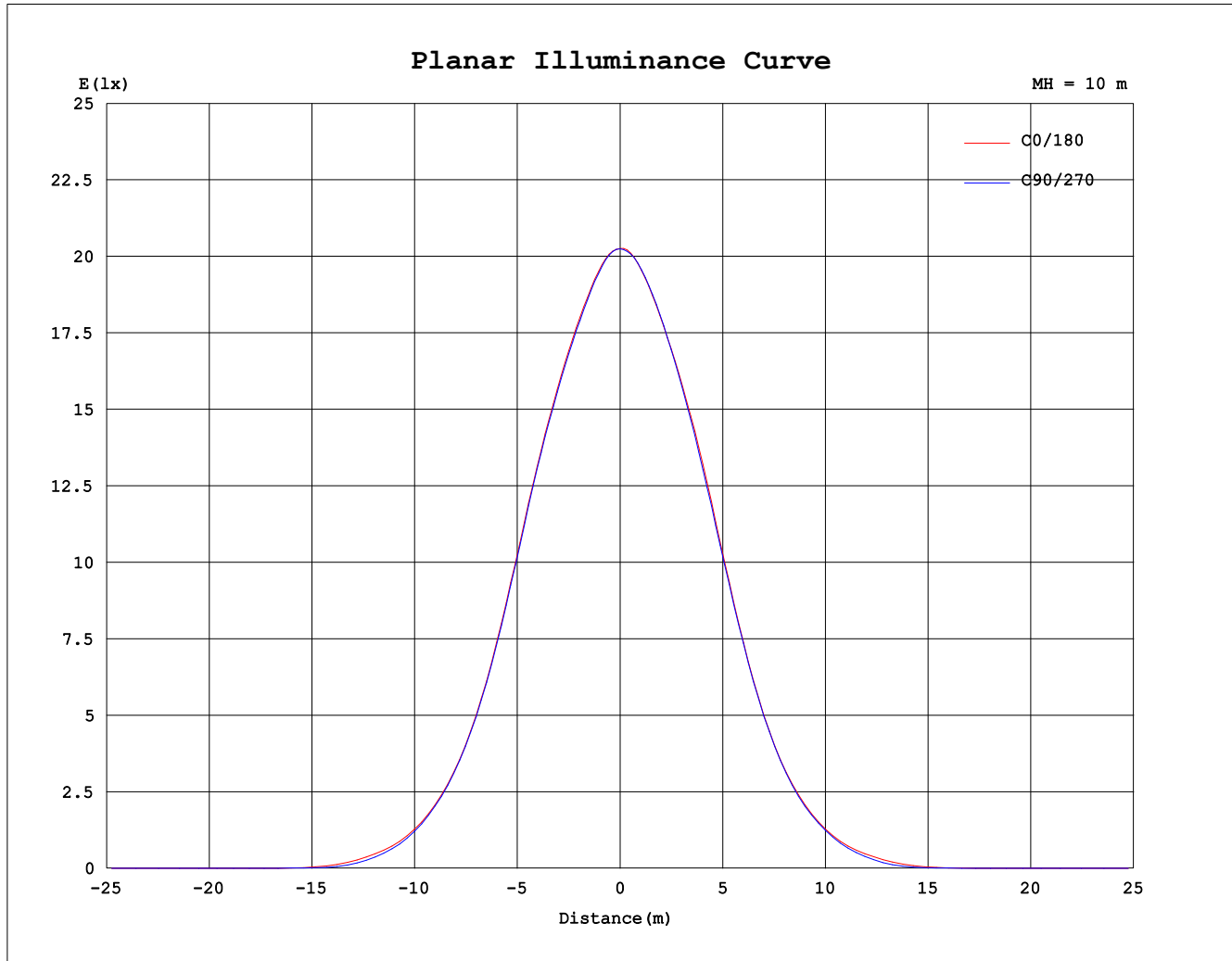
AvgL	cd/m2
L_0~180 (65) av	369
L_0~180 (75) av	111
L_0~180 (85) av	65
L_90~270 (65) av	321
L_90~270 (75) av	81
L_90~270 (85) av	71
L_45 (65) av	339
L_45 (75) av	92
L_45 (85) av	68

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 10.237m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

```