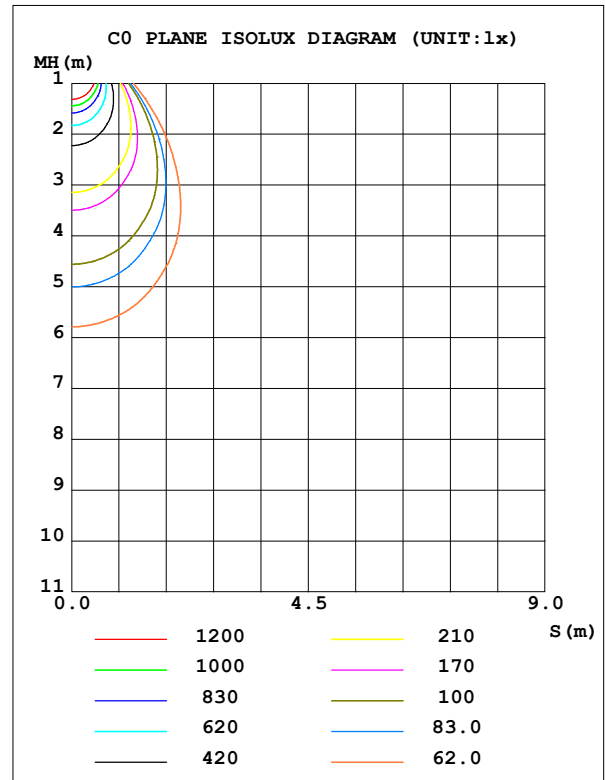
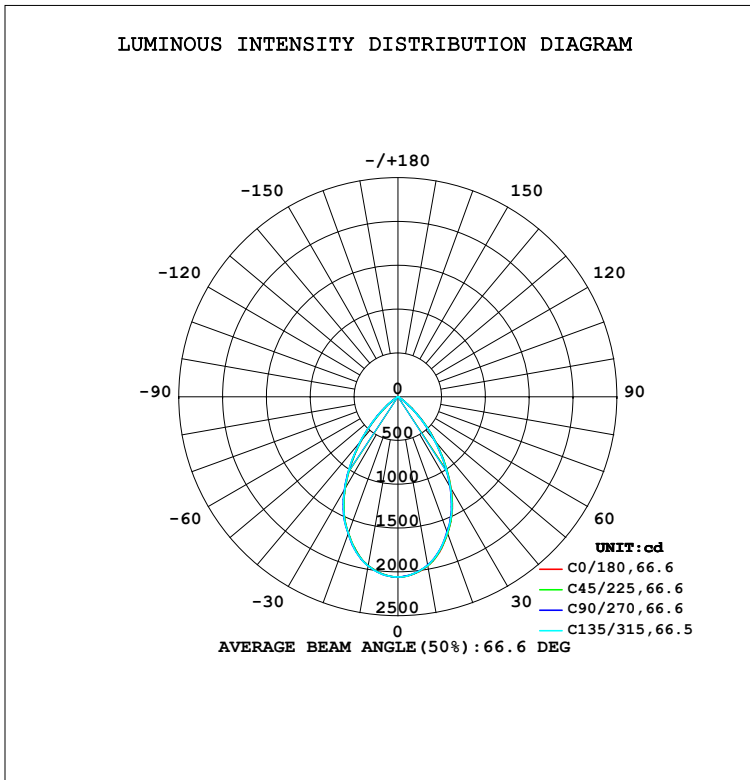


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.20V I:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm		
NAME: SLCD151F-6040P-TWD63	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0995	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.74 lm/W
MODEL	SLCD151F-6040P-TWD63	I _{max} (cd)	2057	S/MH (C0/180)		0.98
NOMINAL POWER (W)	25W	LOR (%)	100.0	S/MH (C90/270)		0.98
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	2341.9	η UP,DN (C0-180)		0.0,49.9
NOMINAL FLUX (lm)	2341.86	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)	240.1	η down (%)	100.0	CIBSE SHR MAX		1.00



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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:

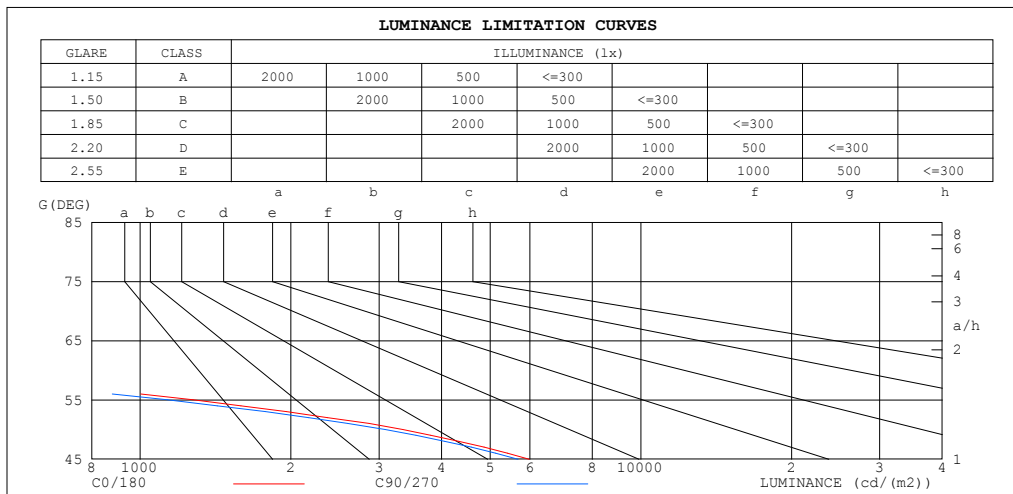
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1959	1958	1952	1955	1958	1957	1962	1961	0- 10	191.6	191.6	8.18,8.18
20	1658	1656	1643	1648	1658	1657	1664	1662	10- 20	511.9	703.5	30,30
30	1213	1211	1192	1199	1208	1208	1224	1217	20- 30	664.8	1368	58.4,58.4
40	667.7	667.7	649.9	652.4	657.5	655.5	672.5	671.0	30- 40	580.1	1948	83.2,83.2
50	211.9	209.9	198.1	195.0	195.1	195.4	206.7	211.1	40- 50	317.9	2266	96.8,96.8
60	14.09	13.96	10.25	12.23	12.26	11.30	10.56	13.91	50- 60	71.06	2337	99.8,99.8
70	1.418	1.115	0.9578	1.315	1.314	1.072	1.000	1.432	60- 70	3.907	2341	100,100
80	0.1188	0.0843	0.0988	0.0708	0.0906	0.1267	0.0917	0.1206	70- 80	0.4958	2342	100,100
90	0.0836	0.0702	0.0776	0.0708	0.1045	0.1053	0.0917	0.0850	80- 90	0.0972	2342	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: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm		
NAME: SLCD151F-6040P-TWD63	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0995	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11	10
80	7	6
75	21	10
70	42	28
65	77	56
60	286	205
55	1275	1133
50	3345	3087
45	5987	5687

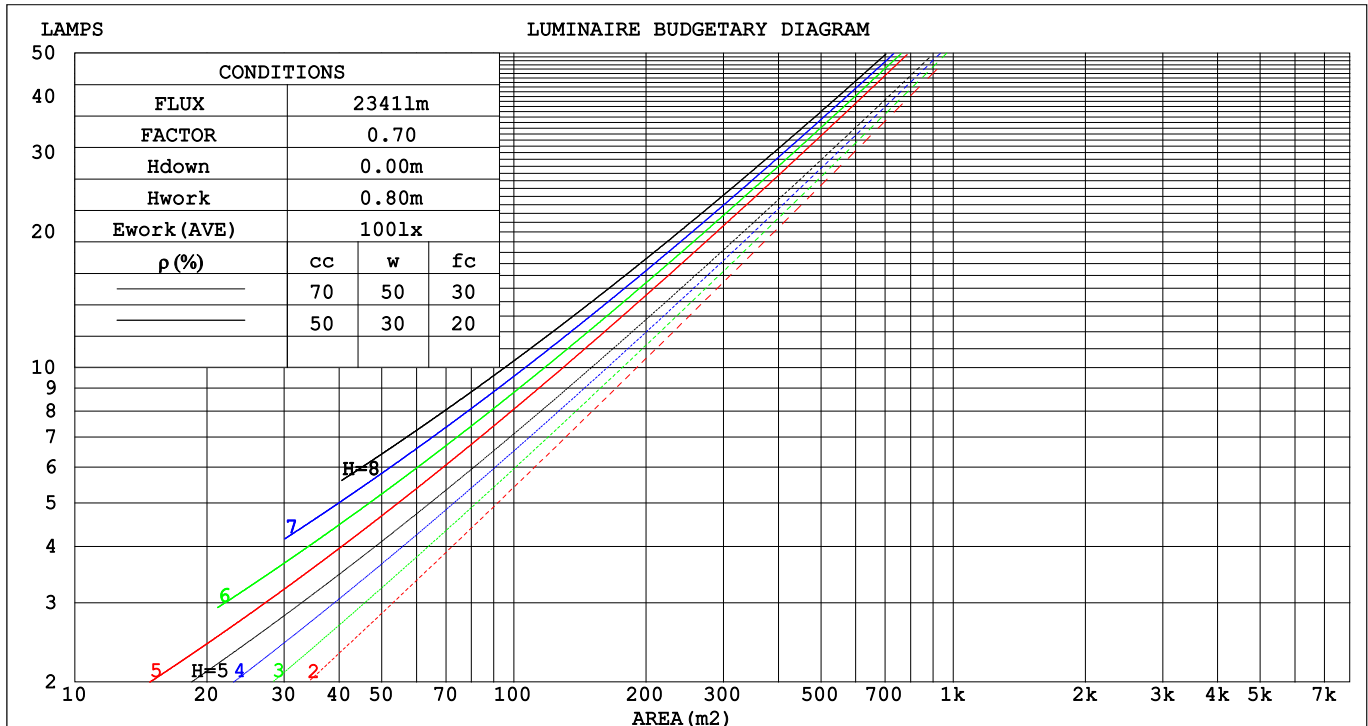
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm		
NAME: SLCD151F-6040P-TWD63	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0995	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: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm																	
NAME: SLCD151F-6040P-TWD63									TYPE:25W						WEIGHT:		
SPEC.:4000K									DIM.:						SERIAL No.:1		
MFR.:									SUR.:0.0995						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	.191	.109	.034	.184	.105	.033	.172	.098	.031	.160	.092	.030	.149	.086	.028	
2.0	.185	.102	.031	.180	.099	.030	.169	.094	.029	.159	.089	.028	.150	.085	.027	
3.0	.178	.095	.028	.173	.093	.028	.164	.089	.027	.155	.085	.026	.147	.082	.025	
4.0	.170	.088	.026	.166	.087	.026	.158	.084	.025	.150	.081	.024	.144	.078	.024	
5.0	.163	.083	.024	.159	.082	.024	.152	.079	.023	.145	.077	.023	.139	.074	.022	
6.0	.155	.078	.022	.152	.077	.022	.146	.075	.022	.140	.073	.021	.134	.071	.021	
7.0	.148	.073	.021	.145	.072	.021	.140	.071	.020	.135	.069	.020	.130	.067	.020	
8.0	.142	.069	.019	.139	.069	.019	.134	.067	.019	.129	.066	.019	.125	.064	.019	
9.0	.136	.066	.018	.133	.065	.018	.129	.064	.018	.125	.062	.018	.121	.061	.018	
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.017	.120	.059	.017	.116	.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	.147	.114	.087	.126	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010		
4.0	.137	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008		
5.0	.129	.088	.057	.111	.076	.050	.077	.053	.035	.044	.031	.021	.014	.010	.007		
6.0	.122	.079	.048	.105	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006		
7.0	.116	.072	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005		
8.0	.111	.065	.034	.095	.057	.030	.066	.040	.021	.038	.024	.013	.012	.008	.004		
9.0	.106	.060	.030	.091	.052	.026	.063	.037	.018	.037	.022	.011	.012	.007	.004		
10.0	.101	.056	.026	.087	.049	.023	.061	.034	.016	.035	.020	.010	.011	.007	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm											
NAME: SLCD151F-6040P-TWD63					TYPE:25W			WEIGHT:			
SPEC.:4000K					DIM.:			SERIAL No.:1			
MFR.:					SUR.:0.0995			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	2H	11.7	12.7	11.9	12.9	13.1	11.5	12.6	11.7	12.7	12.9
	3H	11.5	12.5	11.8	12.7	12.9	11.3	12.3	11.6	12.5	12.7
	4H	11.4	12.3	11.7	12.5	12.8	11.2	12.1	11.5	12.4	12.6
	6H	11.3	12.2	11.6	12.4	12.7	11.1	12.0	11.4	12.2	12.5
	8H	11.3	12.1	11.6	12.3	12.6	11.1	11.9	11.4	12.2	12.4
	12H	11.2	12.0	11.5	12.3	12.6	11.0	11.8	11.4	12.1	12.4
4H	2H	11.4	12.3	11.7	12.6	12.8	11.3	12.2	11.5	12.4	12.6
	3H	11.2	12.0	11.6	12.3	12.6	11.1	11.9	11.4	12.1	12.4
	4H	11.1	11.9	11.5	12.2	12.5	11.0	11.7	11.3	12.0	12.3
	6H	11.1	11.7	11.4	12.0	12.4	10.9	11.5	11.3	11.8	12.2
	8H	11.0	11.6	11.4	11.9	12.3	10.8	11.4	11.2	11.8	12.1
	12H	11.0	11.5	11.4	11.8	12.2	10.8	11.3	11.2	11.7	12.1
8H	4H	11.0	11.6	11.4	11.9	12.3	10.8	11.4	11.2	11.8	12.1
	6H	10.9	11.4	11.3	11.8	12.2	10.7	11.2	11.2	11.6	12.0
	8H	10.9	11.3	11.3	11.7	12.1	10.7	11.1	11.1	11.5	12.0
	12H	10.8	11.2	11.3	11.6	12.1	10.6	11.0	11.1	11.4	11.9
12H	4H	11.0	11.5	11.4	11.8	12.2	10.8	11.3	11.2	11.7	12.1
	6H	10.9	11.3	11.3	11.7	12.1	10.7	11.1	11.1	11.5	12.0
	8H	10.8	11.2	11.3	11.6	12.1	10.6	11.0	11.1	11.4	11.9
Variations with the observer position at spacings:											
S = 1.0H		+ 2.5 / -12.0					+ 2.5 / -12.5				
1.5H		+ 3.3 / - 8.1					+ 3.2 / - 8.1				
2.0H		+ 6.2 / -20.3					+ 6.1 / -20.9				

CIE Pub.117, 2342 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm		
NAME: SLCD151F-6040P-TWD63	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0995	Shielding Angle:

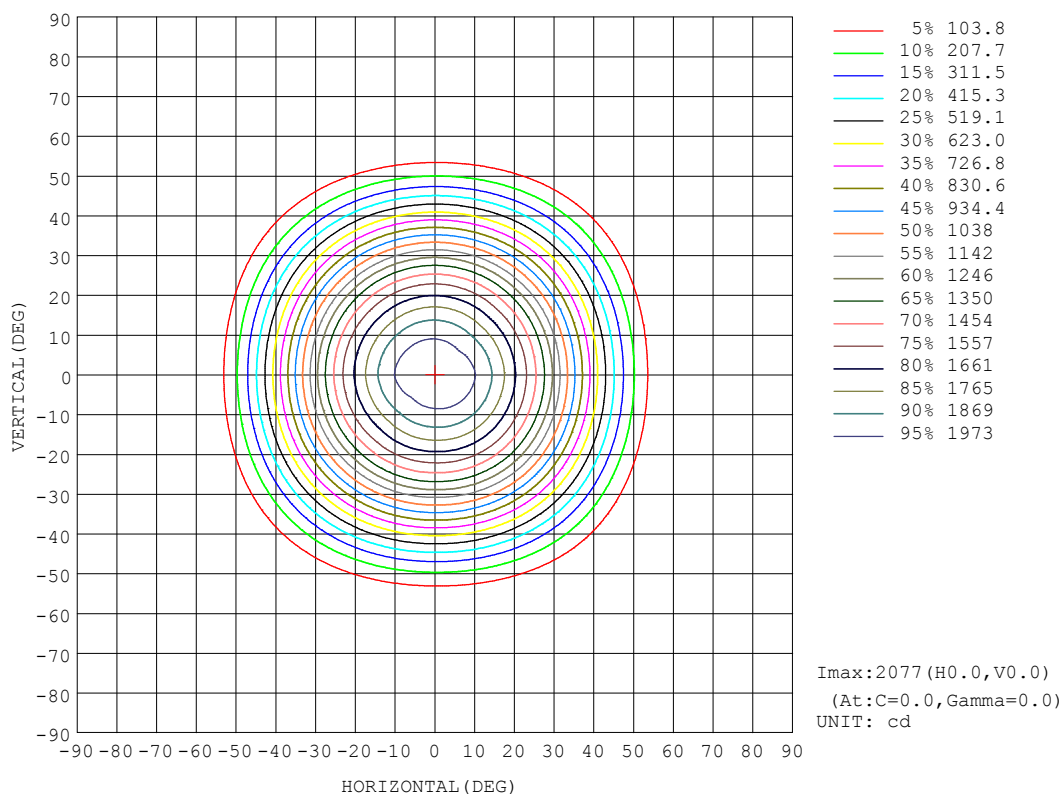
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	73	69	80	73	69	79	73	68	64
0.80	89	82	78	89	82	78	87	81	77	73
1.00	95	89	85	94	88	84	93	88	84	79
1.25	100	94	90	99	94	90	97	92	89	84
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	105	101	107	103	100	104	101	98	92
3.00	111	107	104	109	105	103	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	111	109	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: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm		
NAME: SLCD151F-6040P-TWD63	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0995	Shielding Angle:

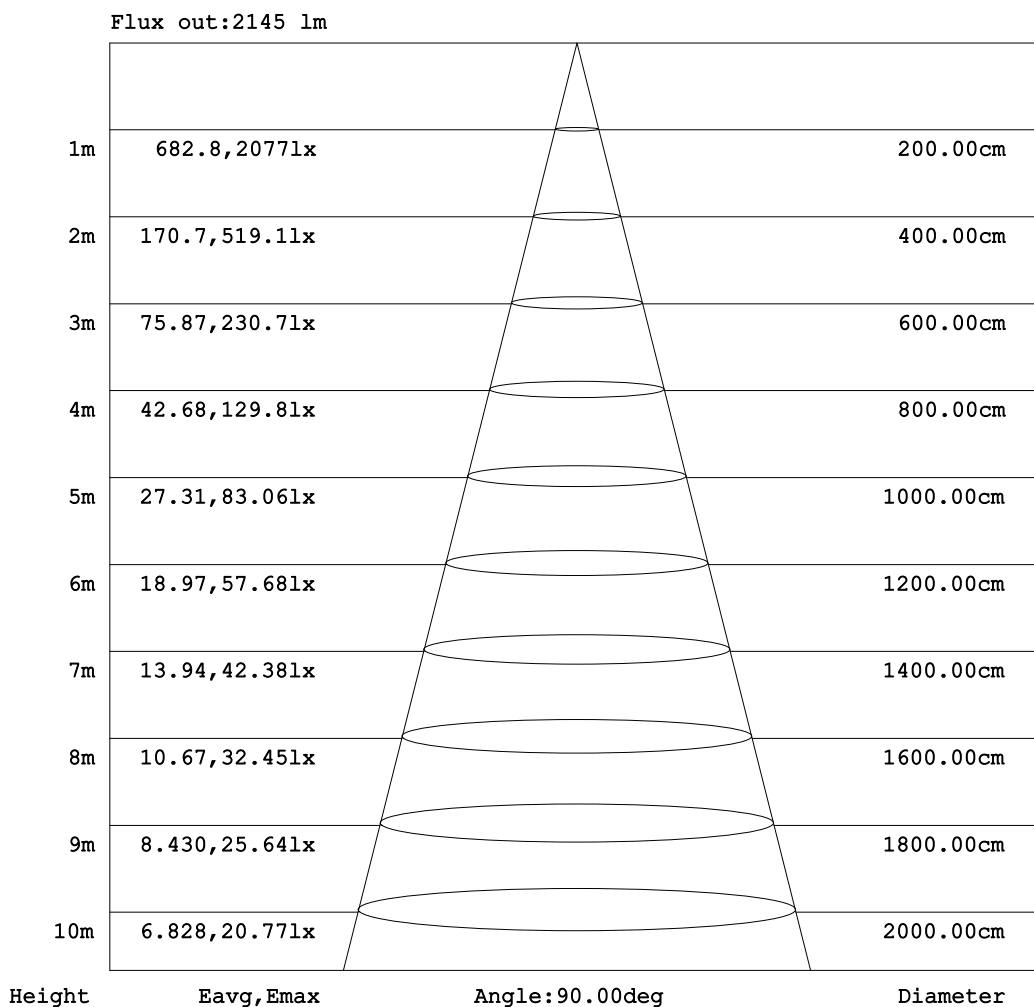


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm		
NAME: SLCD151F-6040P-TWD63	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0995	Shielding Angle:



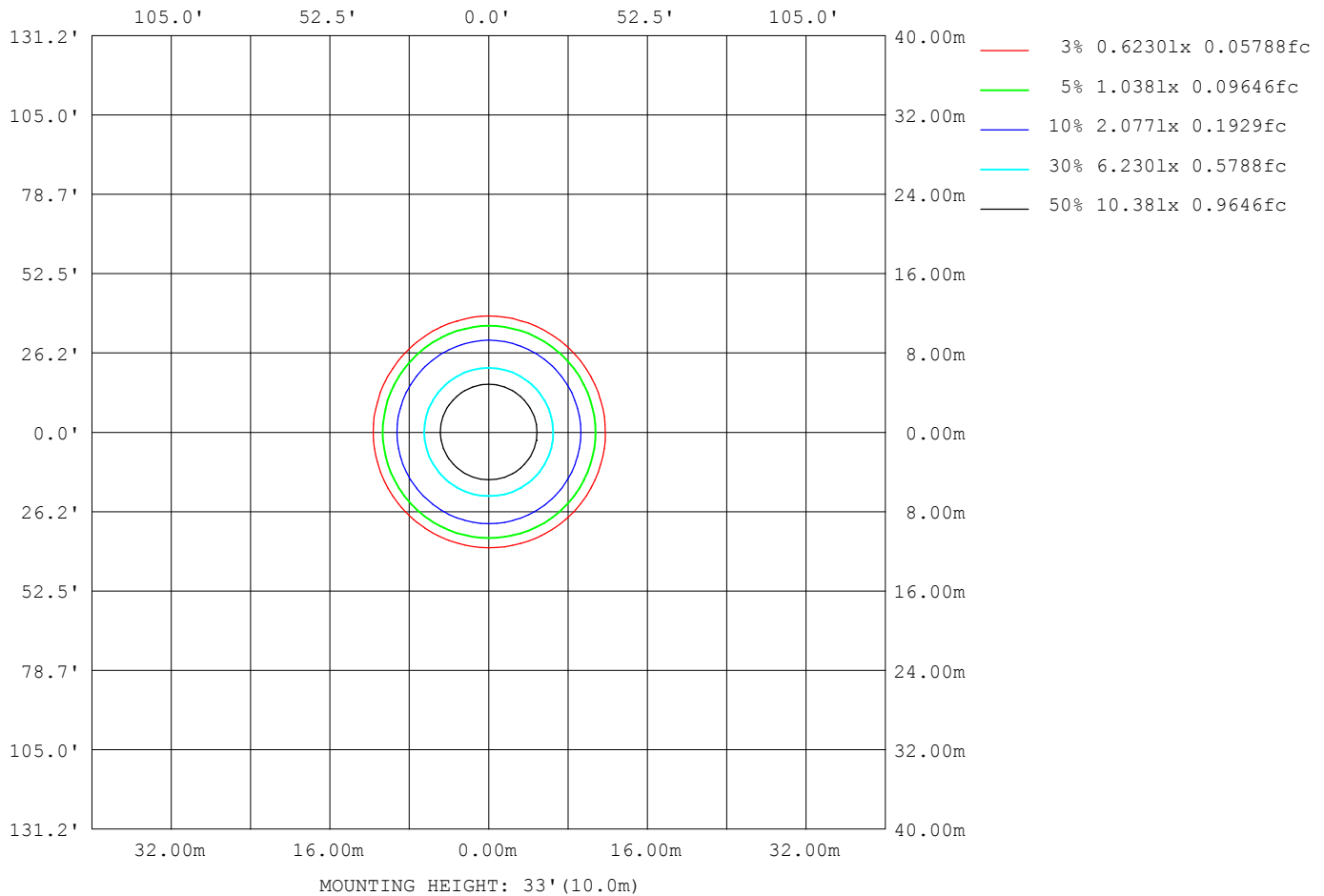
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm		
NAME: SLCD151F-6040P-TWD63	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0995	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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:0.1160A P:27.000W PF:0.9670 Freq:50.00Hz Lamp Flux:2341.86x1 lm		
NAME: SLCD151F-6040P-TWD63	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0995	Shielding Angle:

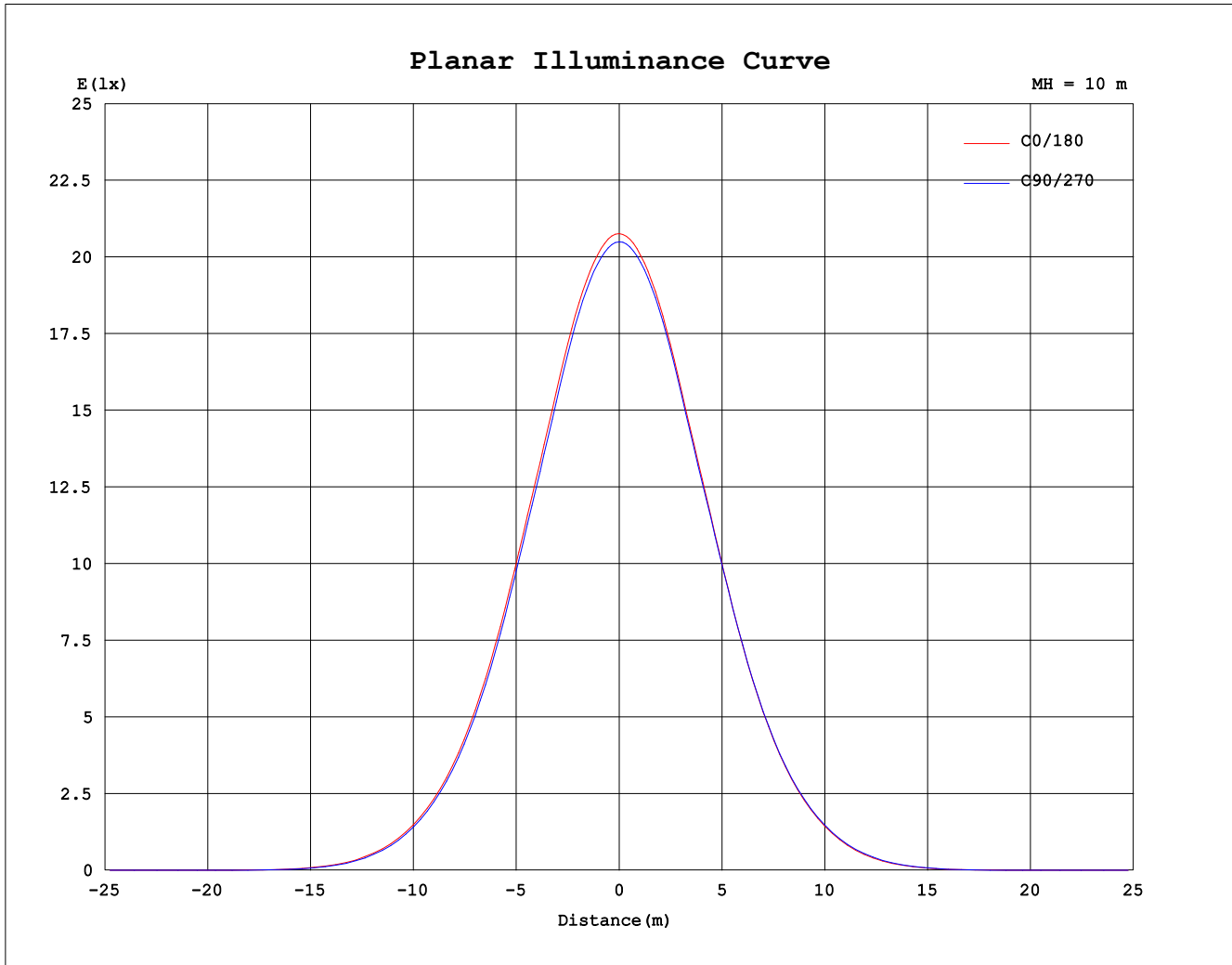
AvgL	cd/m2
L_0~180 (65) av	74
L_0~180 (75) av	19
L_0~180 (85) av	10
L_90~270 (65) av	57
L_90~270 (75) av	9
L_90~270 (85) av	10
L_45 (65) av	69
L_45 (75) av	16
L_45 (85) av	10

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-10-23

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: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 2021-10-23

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:

```