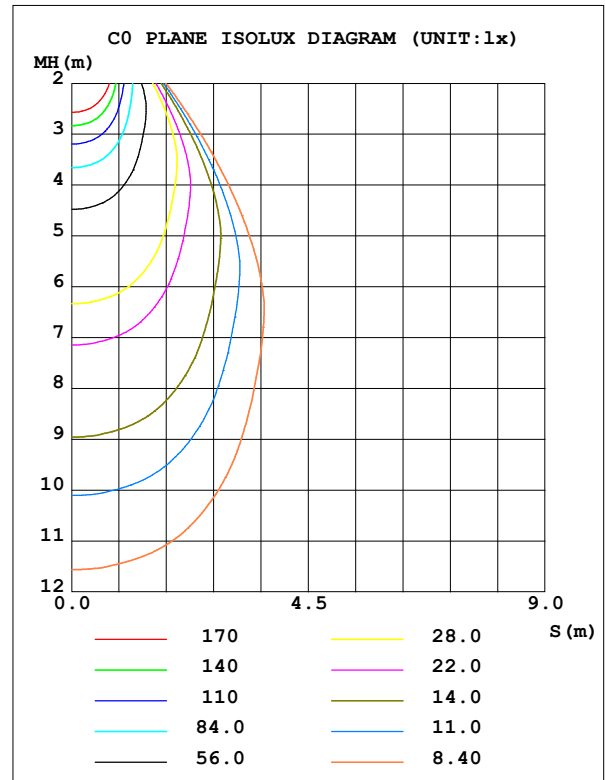
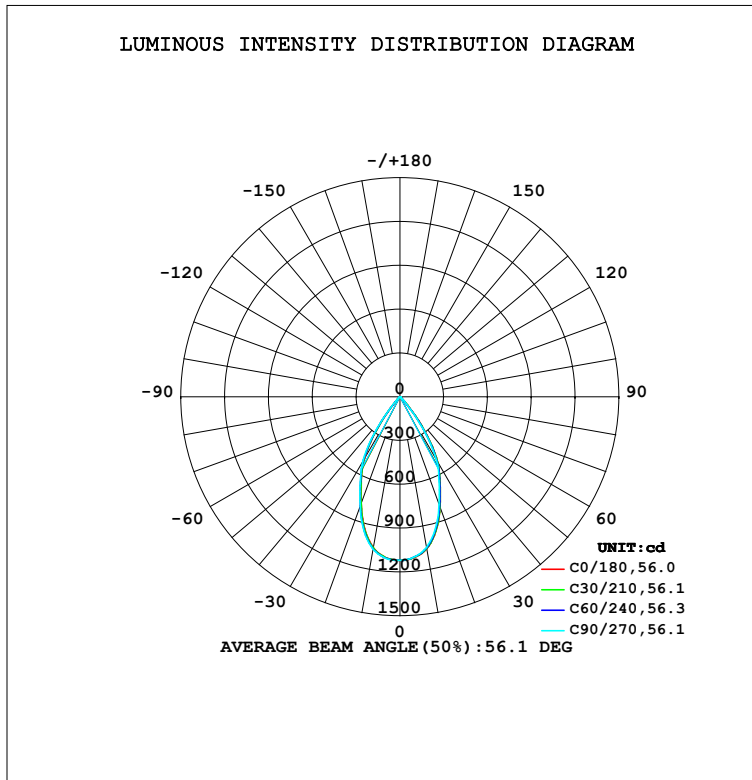


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm		
NAME: SLDL230T-5530P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 79.00 lm/W
MODEL		I _{max} (cd)	1122	S/MH (C0/180)		0.82
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)		0.84
RATED VOLTAGE (V)	230V	TOTAL FLUX (lm)	884.84	η UP,DN (C0-180)		0.0,50.1
NOMINAL FLUX (lm)	884.837	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,49.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.75
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX		0.90



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_v1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

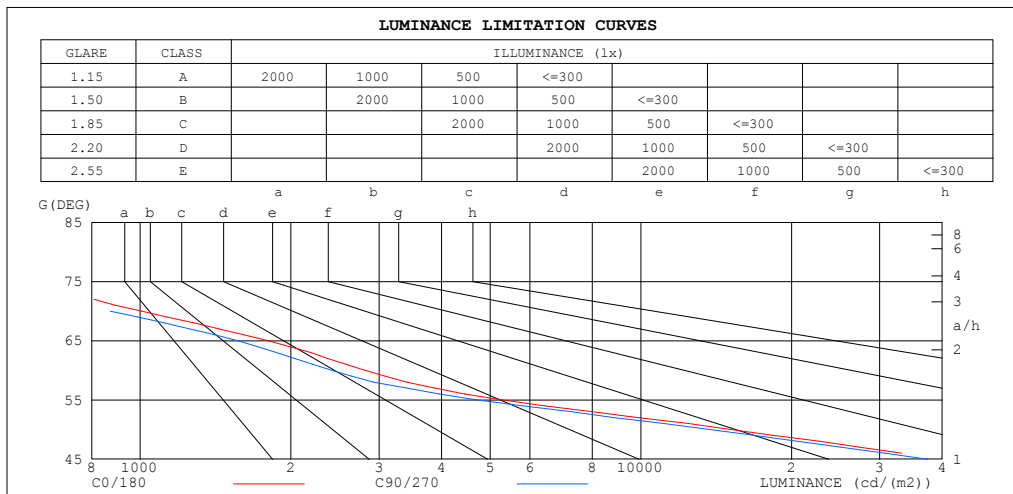
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1059	1055	1048	1046	1050	1055	1061	1063	0- 10	104.0	104.0	11.8,11.8
20	804.5	800.8	786.1	774.7	777.9	787.1	798.8	805.0	10- 20	261.8	365.8	41.3,41.3
30	518.8	515.7	502.4	486.8	485.9	494.0	509.7	516.2	20- 30	293.8	659.6	74.5,74.5
40	137.4	130.7	117.5	105.1	99.76	104.9	118.4	130.3	30- 40	189.1	848.7	95.9,95.9
50	12.20	11.97	11.09	9.858	8.913	8.858	9.995	11.46	40- 50	31.31	880.0	99.5,99.5
60	1.764	1.650	1.516	1.431	1.415	1.506	1.583	1.626	50- 60	3.734	883.7	99.9,99.9
70	0.4319	0.3991	0.3742	0.3749	0.3736	0.4005	0.4148	0.4030	60- 70	0.8831	884.6	100,100
80	0.0529	0.0412	0.0317	0.0374	0.0295	0.0362	0.0444	0.0370	70- 80	0.1941	884.8	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0135	884.8	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: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_v1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm		
NAME: SLDL230T-5530P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	140	79
80	243	145
75	596	483
70	1007	871
65	1797	1561
60	2813	2413
55	5264	4687
50	15131	13739
45	40589	37398

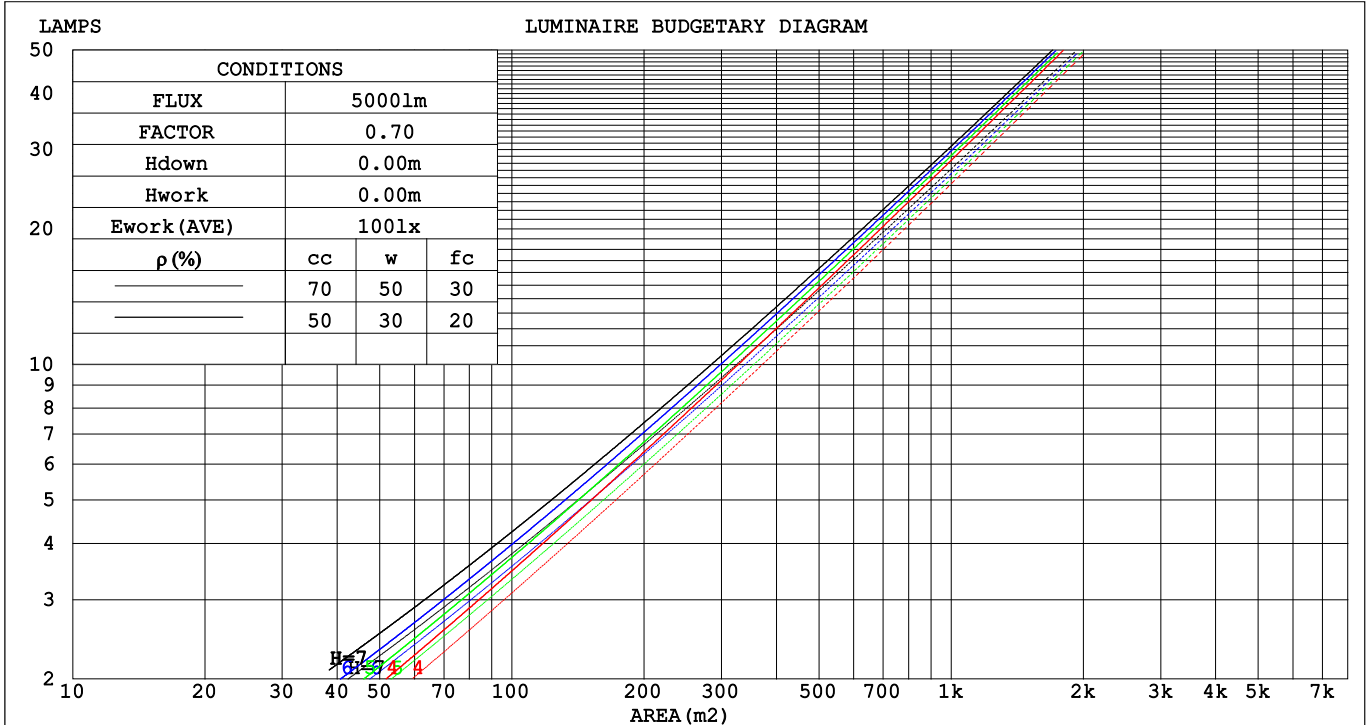
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 09 July 2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm		
NAME: SLDL230T-5530P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	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			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.90	.88
3.0	.97	.92	.88	.96	.91	.88	.93	.89	.86	.91	.88	.85	.88	.86	.84	.82
4.0	.91	.86	.82	.90	.85	.81	.88	.83	.80	.86	.82	.79	.84	.81	.78	.77
5.0	.85	.80	.76	.85	.79	.75	.83	.78	.75	.81	.77	.74	.80	.76	.73	.72
6.0	.80	.75	.71	.80	.74	.70	.78	.73	.70	.77	.73	.69	.75	.72	.69	.67
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.65	.73	.68	.65	.72	.68	.65	.63
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.61	.69	.65	.61	.68	.64	.61	.60
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.61	.58	.56
10.0	.64	.59	.55	.64	.58	.55	.63	.58	.55	.62	.58	.55	.62	.57	.54	.53



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm																	
NAME: SLDL230T-5530P-TWD11									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Switch Lighting									SUR.:						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	.172	.098	.031	.165	.094	.030	.153	.088	.028	.141	.081	.026	.130	.076	.024	
2.0	.164	.090	.028	.159	.087	.027	.148	.082	.026	.139	.078	.024	.130	.073	.023	
3.0	.157	.083	.025	.152	.081	.025	.143	.077	.024	.135	.074	.023	.127	.070	.022	
4.0	.150	.078	.023	.145	.076	.022	.138	.073	.022	.130	.070	.021	.124	.067	.020	
5.0	.143	.073	.021	.139	.071	.021	.132	.069	.020	.126	.067	.020	.120	.064	.019	
6.0	.137	.068	.020	.133	.067	.019	.127	.065	.019	.122	.063	.019	.117	.061	.018	
7.0	.131	.065	.018	.128	.064	.018	.123	.062	.018	.118	.060	.018	.113	.059	.017	
8.0	.125	.061	.017	.123	.060	.017	.118	.059	.017	.114	.058	.017	.110	.056	.016	
9.0	.120	.058	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016	
10.0	.116	.055	.015	.114	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.015	

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.122	.098	.078	.084	.068	.055	.048	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.114	.085	.064	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm											
NAME: SLDL230T-5530P-TWD11					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: Switch Lighting					SUR.:			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	23.9	24.8	24.1	25.0	25.2	23.5	24.4	23.8	24.6	24.8
	3H	23.7	24.6	24.0	24.8	25.0	23.4	24.2	23.6	24.4	24.6
	4H	23.7	24.5	23.9	24.7	24.9	23.3	24.1	23.5	24.3	24.5
	6H	23.6	24.3	23.9	24.6	24.8	23.2	23.9	23.5	24.2	24.4
	8H	23.5	24.2	23.8	24.5	24.8	23.1	23.9	23.4	24.1	24.4
	12H	23.5	24.2	23.8	24.4	24.7	23.1	23.8	23.4	24.0	24.3
4H	2H	23.7	24.5	23.9	24.7	24.9	23.3	24.1	23.5	24.3	24.5
	3H	23.5	24.2	23.8	24.4	24.7	23.1	23.8	23.4	24.0	24.3
	4H	23.4	24.0	23.7	24.3	24.6	23.0	23.6	23.3	23.9	24.2
	6H	23.3	23.8	23.7	24.2	24.5	22.9	23.4	23.3	23.8	24.1
	8H	23.2	23.7	23.6	24.1	24.5	22.9	23.4	23.2	23.7	24.1
	12H	23.2	23.7	23.6	24.0	24.4	22.8	23.3	23.2	23.6	24.0
8H	4H	23.2	23.7	23.6	24.1	24.5	22.9	23.4	23.2	23.7	24.1
	6H	23.1	23.6	23.6	23.9	24.4	22.7	23.2	23.2	23.6	24.0
	8H	23.1	23.4	23.5	23.9	24.3	22.7	23.1	23.1	23.5	23.9
	12H	23.0	23.3	23.5	23.8	24.3	22.6	23.0	23.1	23.4	23.9
12H	4H	23.2	23.7	23.6	24.0	24.4	22.8	23.3	23.2	23.6	24.0
	6H	23.1	23.4	23.5	23.9	24.3	22.7	23.1	23.1	23.5	23.9
	8H	23.0	23.3	23.5	23.8	24.3	22.6	23.0	23.1	23.4	23.9
Variations with the observer position at spacings:											
S = 1.0H		+ 3.9 / -19.6					+ 3.8 / -19.6				
1.5H		+ 6.6 / -16.6					+ 6.5 / -16.3				
2.0H		+ 7.4 / -11.0					+ 7.3 / -10.6				

CIE Pub.117, 884.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm		
NAME: SLDL230T-5530P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

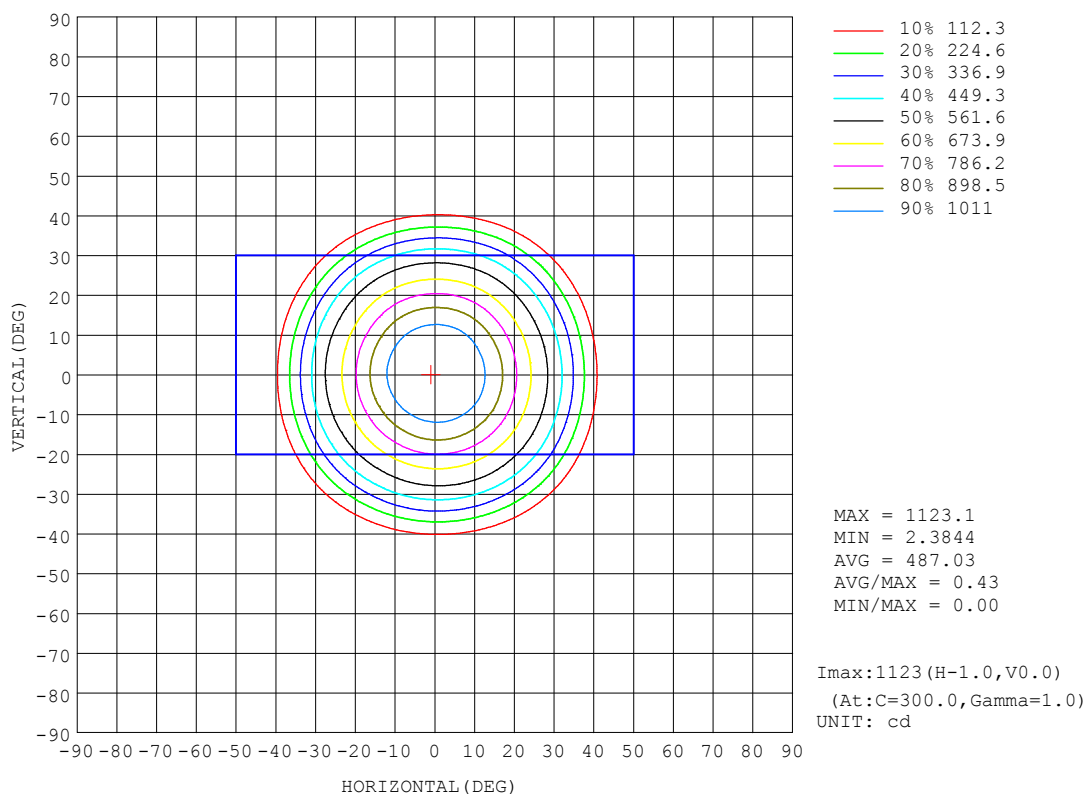
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	88	82	79	76
0.80	96	91	87	96	90	87	94	90	87	83
1.00	100	95	92	100	95	91	98	94	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm		
NAME: SLDL230T-5530P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

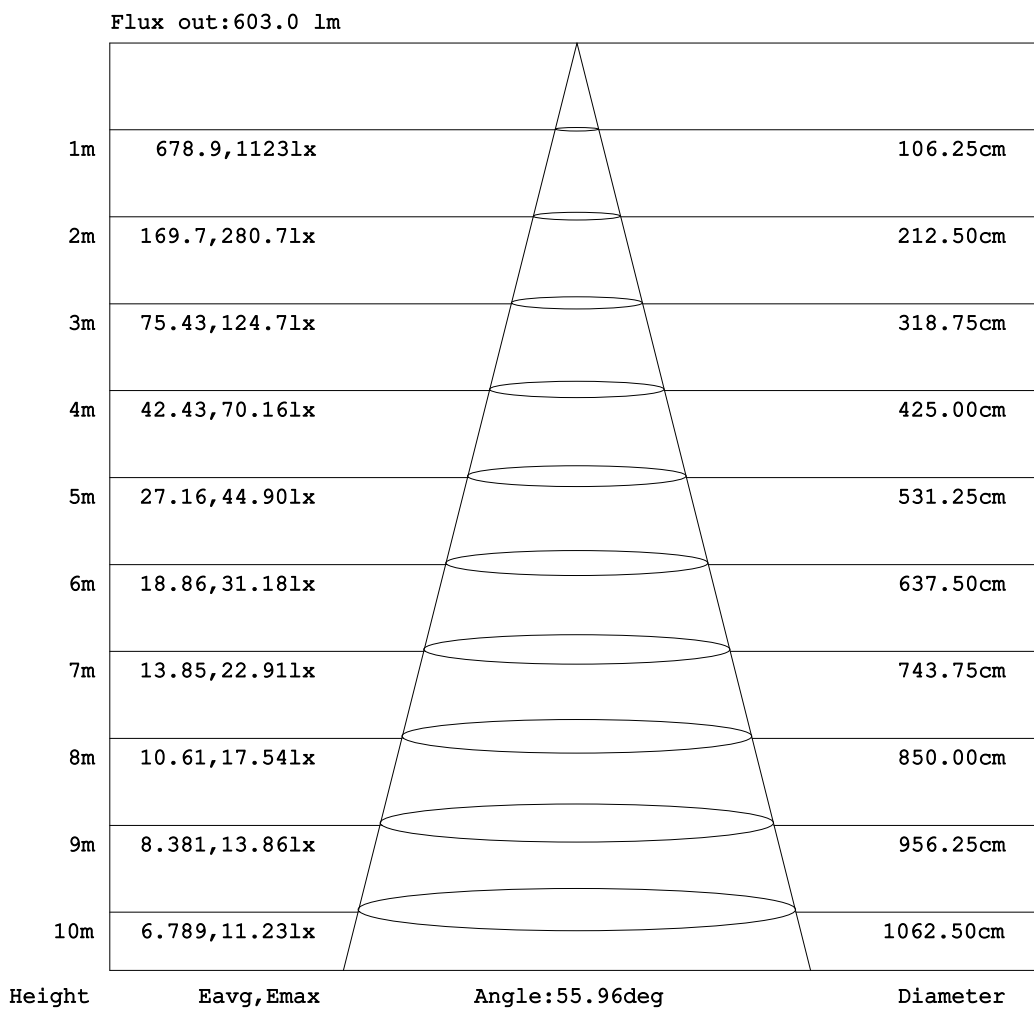


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_v1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm		
NAME: SLDL230T-5530P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



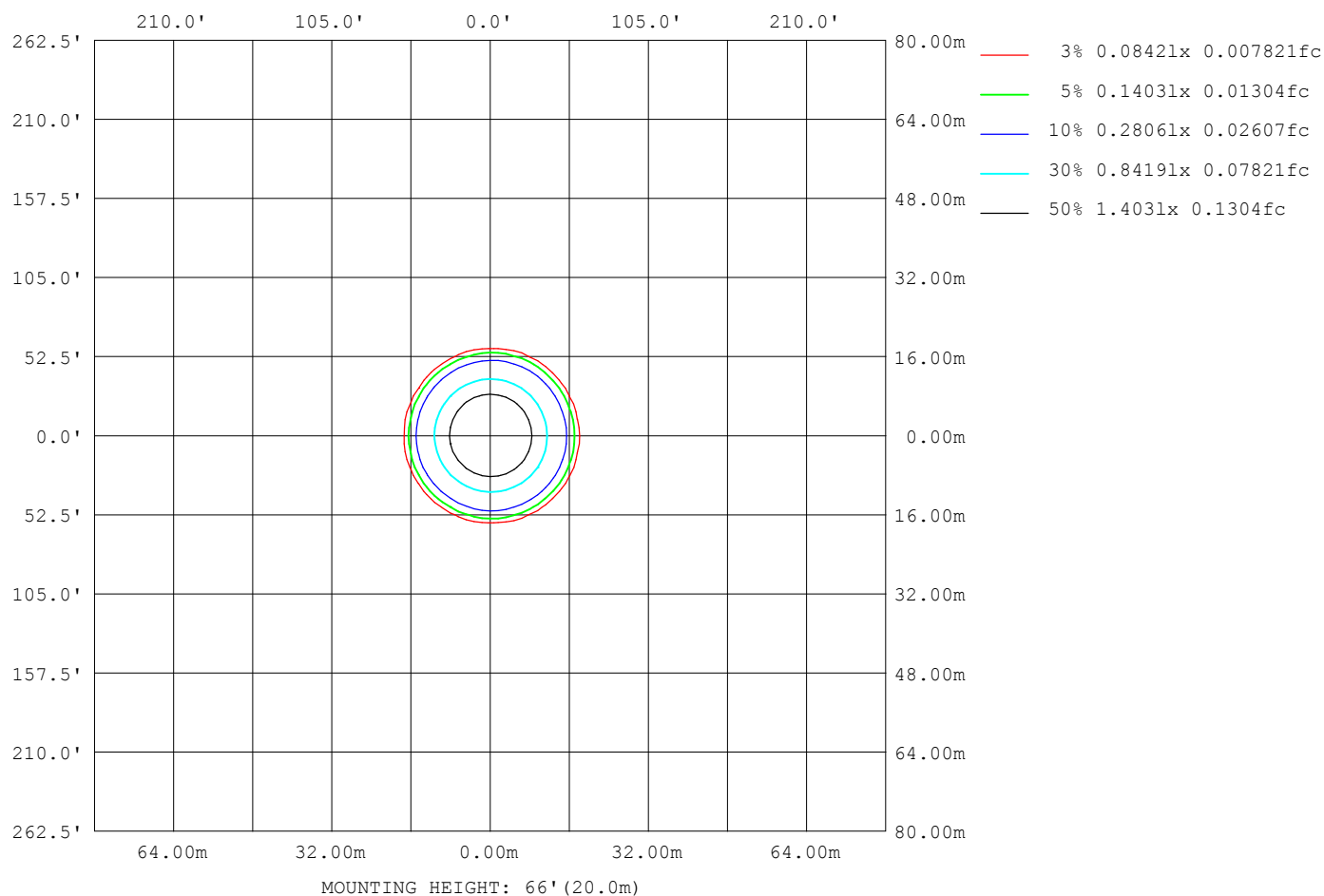
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jason
 Test Date:09 July 2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:3.160m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm		
NAME: SLDL230T-5530P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.00V I:0.0500A P:11.200W PF:0.9790 Freq:50.00Hz Lamp Flux:884.837x1 lm		
NAME: SLDL230T-5530P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

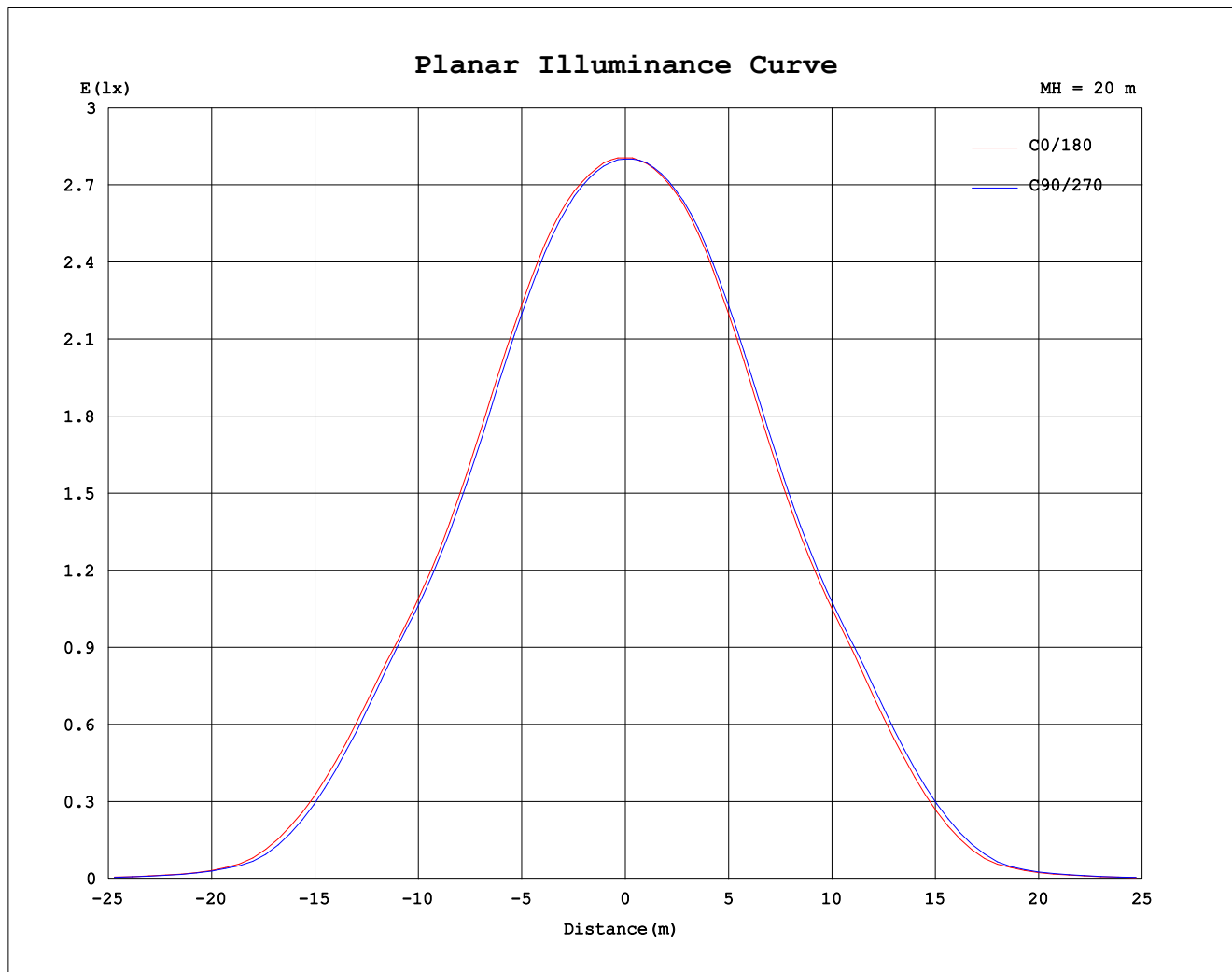
AvgL	cd/m2
L_0~180 (65) av	1637
L_0~180 (75) av	543
L_0~180 (85) av	116
L_90~270 (65) av	1634
L_90~270 (75) av	512
L_90~270 (85) av	103
L_45 (65) av	1619
L_45 (75) av	521
L_45 (85) av	99

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 July 2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 09 July 2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

```