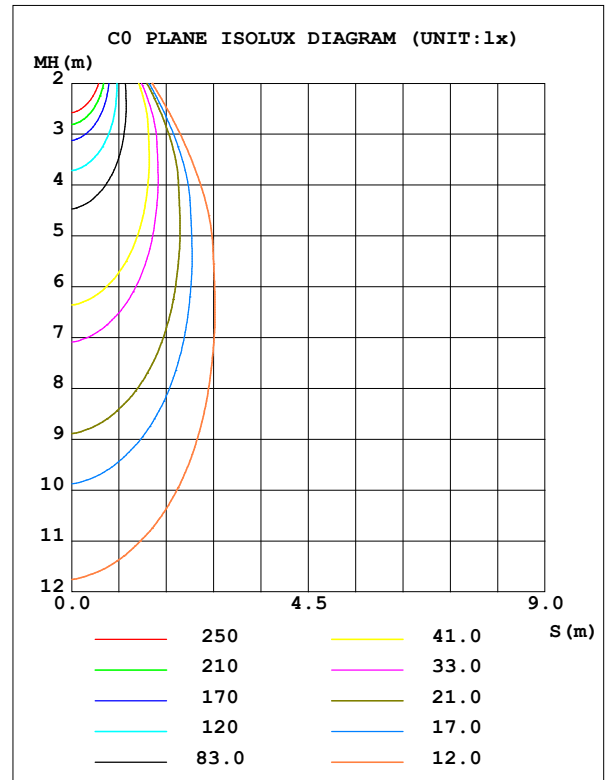
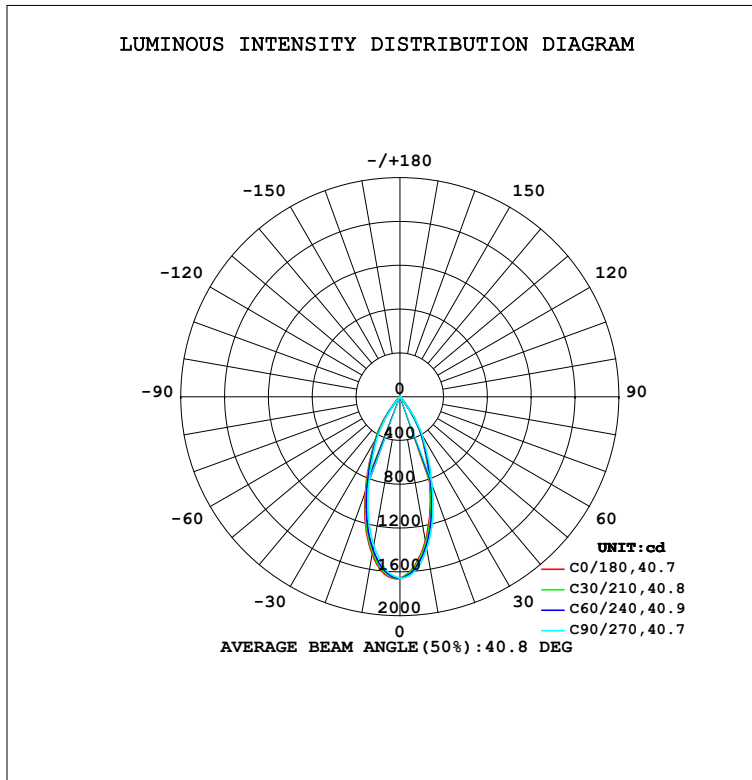


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.00V I:0.0500A P:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm		
NAME: SLDL230T-4030P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 77.82 lm/W
MODEL		I <sub>max</sub> (cd)	1662	S/MH (C0/180)		0.69
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)		0.64
RATED VOLTAGE (V)	230V	TOTAL FLUX (lm)	879.35	η UP,DN (C0-180)		0.0,49.7
NOMINAL FLUX (lm)	879.354	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,50.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX		0.70



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:

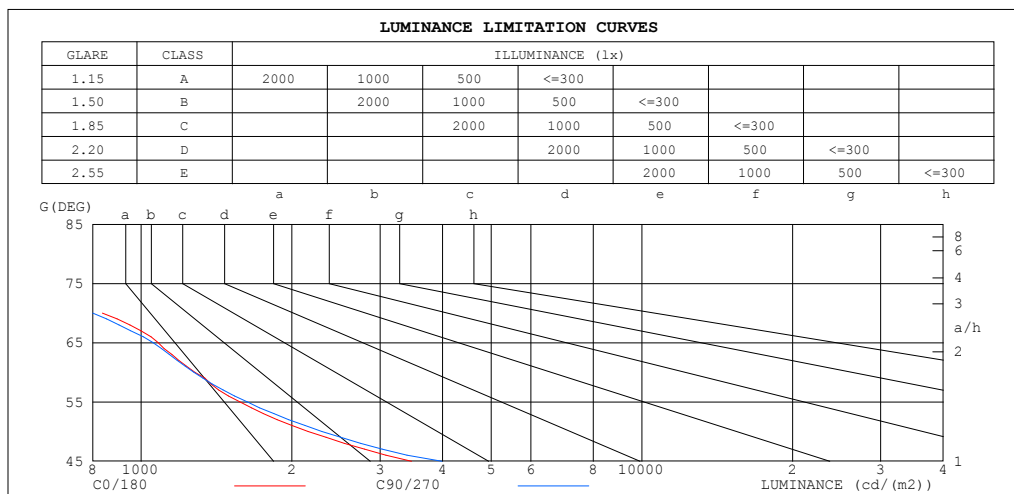
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1339	1368	1411	1446	1461	1430	1379	1349	0- 10	145.3	145.3	16.5,16.5
20	782.6	811.6	861.2	903.6	925.6	894.4	833.9	793.8	10- 20	313.0	458.2	52.1,52.1
30	369.0	381.4	409.8	438.4	451.8	432.2	398.8	381.5	20- 30	275.3	733.5	83.4,83.4
40	33.18	43.87	60.18	79.01	88.78	68.97	47.93	39.36	30- 40	134.9	868.4	98.8,98.8
50	1.738	1.768	1.854	1.929	1.909	1.787	1.720	1.752	40- 50	9.139	877.6	99.8,99.8
60	0.8024	0.7909	0.8011	0.7897	0.7622	0.7523	0.7517	0.7742	50- 60	1.056	878.6	99.9,99.9
70	0.3590	0.3497	0.3438	0.3426	0.3350	0.3426	0.3543	0.3482	60- 70	0.5462	879.2	100,100
80	0.0377	0.0304	0.0288	0.0434	0.0402	0.0412	0.0430	0.0290	70- 80	0.1858	879.3	100,100
90	0	0	0	0	0.0014	0	0	0	80- 90	0.0135	879.4	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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm		
NAME: SLDL230T-4030P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	173	79
80	173	132
75	536	508
70	837	800
65	1081	1055
60	1280	1275
55	1573	1626
50	2157	2296
45	3465	3986

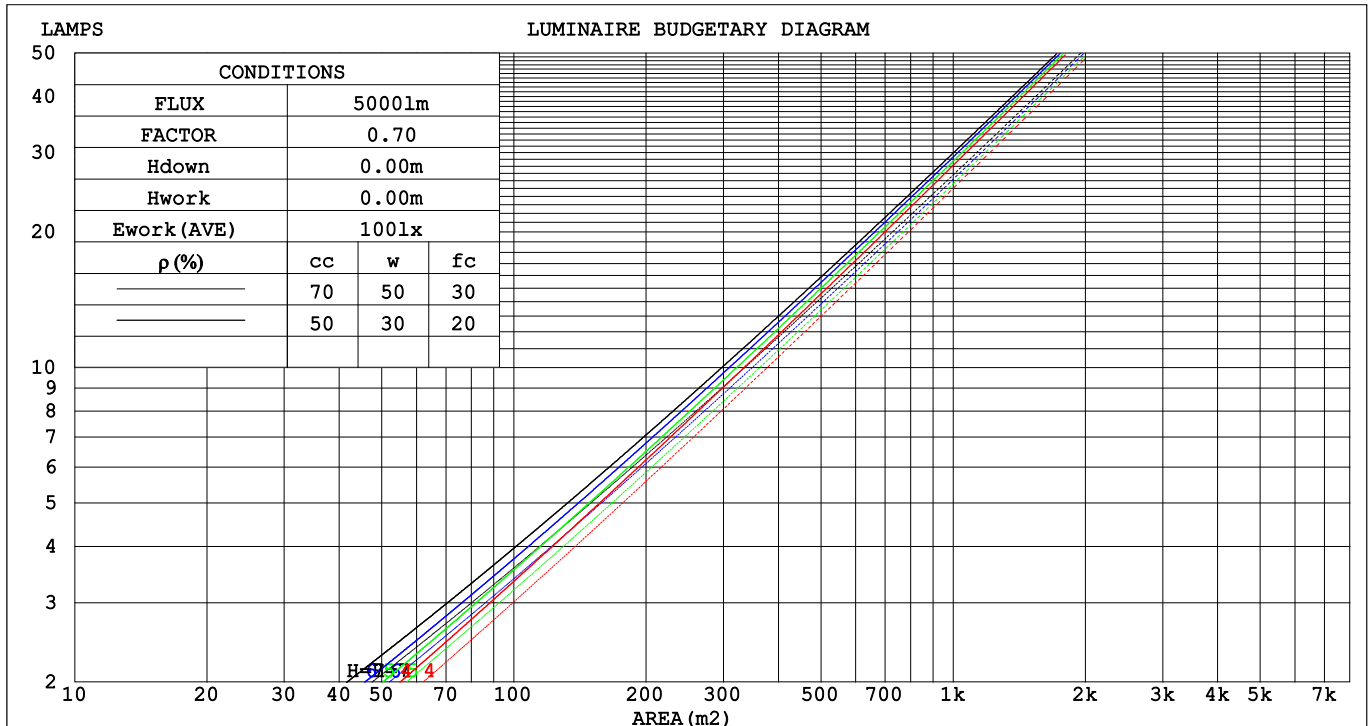
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Jason  
 Test Date: 09 July 2021

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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm		
NAME: SLDL230T-4030P-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															



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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm																	
NAME: SLDL230T-4030P-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	.161	.091	.029	.154	.088	.028	.142	.081	.026	.130	.075	.024	.119	.069	.022	
2.0	.152	.083	.026	.147	.081	.025	.136	.076	.024	.127	.071	.022	.118	.067	.021	
3.0	.144	.077	.023	.140	.075	.023	.131	.071	.022	.123	.067	.021	.115	.064	.020	
4.0	.137	.071	.021	.133	.070	.021	.126	.067	.020	.119	.064	.019	.112	.061	.019	
5.0	.131	.067	.019	.127	.065	.019	.121	.063	.018	.115	.060	.018	.109	.058	.017	
6.0	.125	.063	.018	.122	.062	.018	.116	.059	.017	.111	.058	.017	.106	.056	.017	
7.0	.119	.059	.017	.117	.058	.017	.112	.056	.016	.107	.055	.016	.103	.053	.016	
8.0	.114	.056	.016	.112	.055	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015	
9.0	.110	.053	.015	.108	.053	.015	.104	.051	.015	.100	.050	.014	.096	.049	.014	
10.0	.106	.051	.014	.104	.050	.014	.100	.049	.014	.097	.048	.014	.094	.047	.014	

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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016		
2.0	.154	.133	.115	.132	.114	.099	.090	.079	.069	.052	.046	.041	.017	.015	.013		
3.0	.140	.113	.092	.120	.098	.080	.083	.068	.056	.048	.040	.033	.015	.013	.011		
4.0	.129	.098	.075	.111	.085	.065	.076	.059	.046	.044	.035	.027	.014	.011	.009		
5.0	.120	.087	.062	.103	.075	.054	.071	.052	.038	.041	.031	.023	.013	.010	.007		
6.0	.112	.077	.052	.096	.067	.045	.067	.047	.032	.039	.027	.019	.012	.009	.006		
7.0	.105	.069	.044	.091	.060	.038	.063	.042	.027	.036	.025	.016	.012	.008	.005		
8.0	.100	.063	.038	.086	.055	.033	.059	.038	.023	.035	.023	.014	.011	.007	.005		
9.0	.094	.058	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004		
10.0	.090	.053	.029	.077	.046	.025	.054	.032	.018	.031	.019	.011	.010	.006	.004		

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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm											
NAME: SLDL230T-4030P-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		19.9	20.8	20.2	20.9	21.1	20.7	21.6	21.0	21.7	21.9
	3H	19.8	20.5	20.0	20.7	20.9	20.6	21.4	20.8	21.5	21.7
	4H	19.7	20.4	20.0	20.6	20.9	20.5	21.2	20.8	21.4	21.7
	6H	19.6	20.3	19.9	20.5	20.8	20.4	21.1	20.7	21.3	21.6
	8H	19.6	20.2	19.9	20.5	20.7	20.4	21.0	20.7	21.3	21.5
	12H	19.5	20.1	19.8	20.4	20.7	20.3	21.0	20.6	21.2	21.5
4H	2H	19.7	20.4	20.0	20.6	20.9	20.5	21.2	20.8	21.4	21.7
	3H	19.5	20.1	19.8	20.4	20.7	20.3	21.0	20.6	21.2	21.5
	4H	19.4	20.0	19.8	20.3	20.6	20.2	20.8	20.6	21.1	21.4
	6H	19.3	19.8	19.7	20.2	20.5	20.1	20.6	20.5	21.0	21.3
	8H	19.3	19.7	19.7	20.1	20.5	20.1	20.5	20.5	20.9	21.3
	12H	19.2	19.6	19.6	20.0	20.4	20.0	20.5	20.4	20.8	21.2
8H	4H	19.3	19.7	19.7	20.1	20.5	20.1	20.5	20.5	20.9	21.3
	6H	19.2	19.5	19.6	19.9	20.4	20.0	20.4	20.4	20.7	21.2
	8H	19.1	19.4	19.6	19.9	20.3	19.9	20.3	20.4	20.7	21.1
	12H	19.1	19.3	19.5	19.8	20.2	19.9	20.1	20.3	20.6	21.1
12H	4H	19.2	19.6	19.6	20.0	20.4	20.0	20.5	20.4	20.8	21.2
	6H	19.1	19.4	19.6	19.9	20.3	19.9	20.3	20.4	20.7	21.1
	8H	19.1	19.3	19.5	19.8	20.2	19.9	20.1	20.3	20.6	21.1
Variations with the observer position at spacings:											
S = 1.0H		+ 4.7 / -18.1					+ 5.0 / -19.9				
1.5H		+ 7.5 / -16.7					+ 7.8 / -18.6				
2.0H		+ 3.3 / - 1.9					+ 3.9 / - 2.0				

CIE Pub.117, 879.4 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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm		
NAME: SLDL230T-4030P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

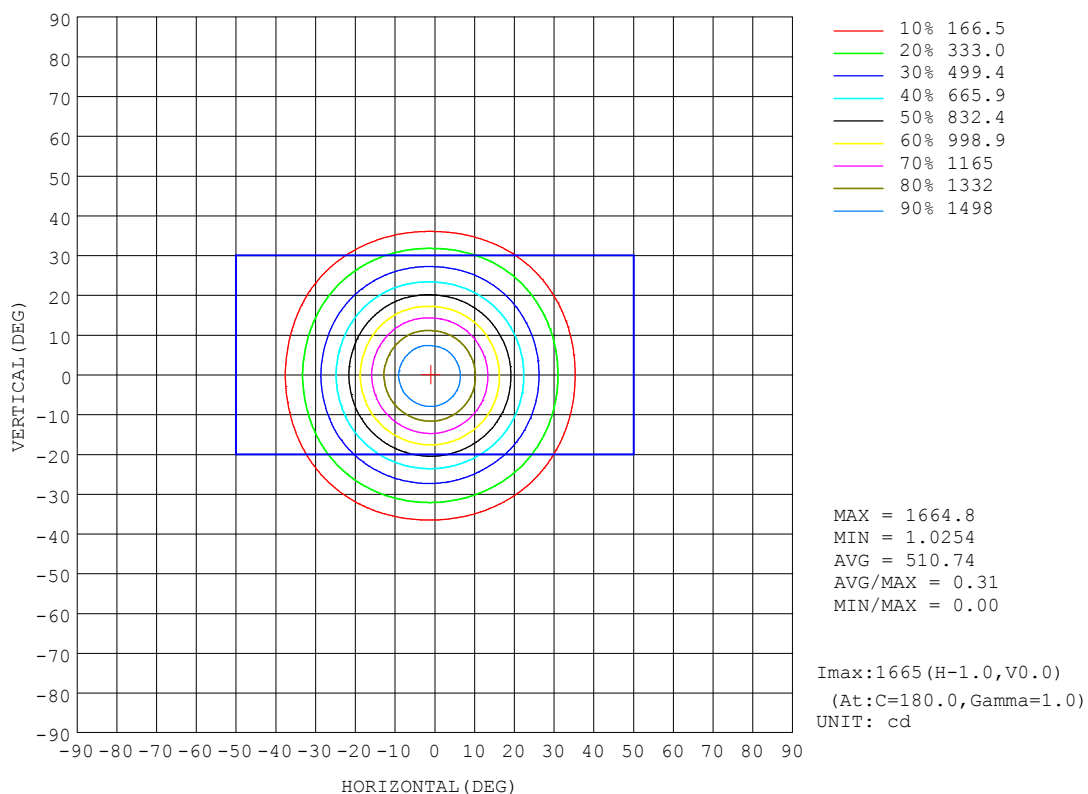
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	81	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	108	103	100	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	105	104	98
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm		
NAME: SLDL230T-4030P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



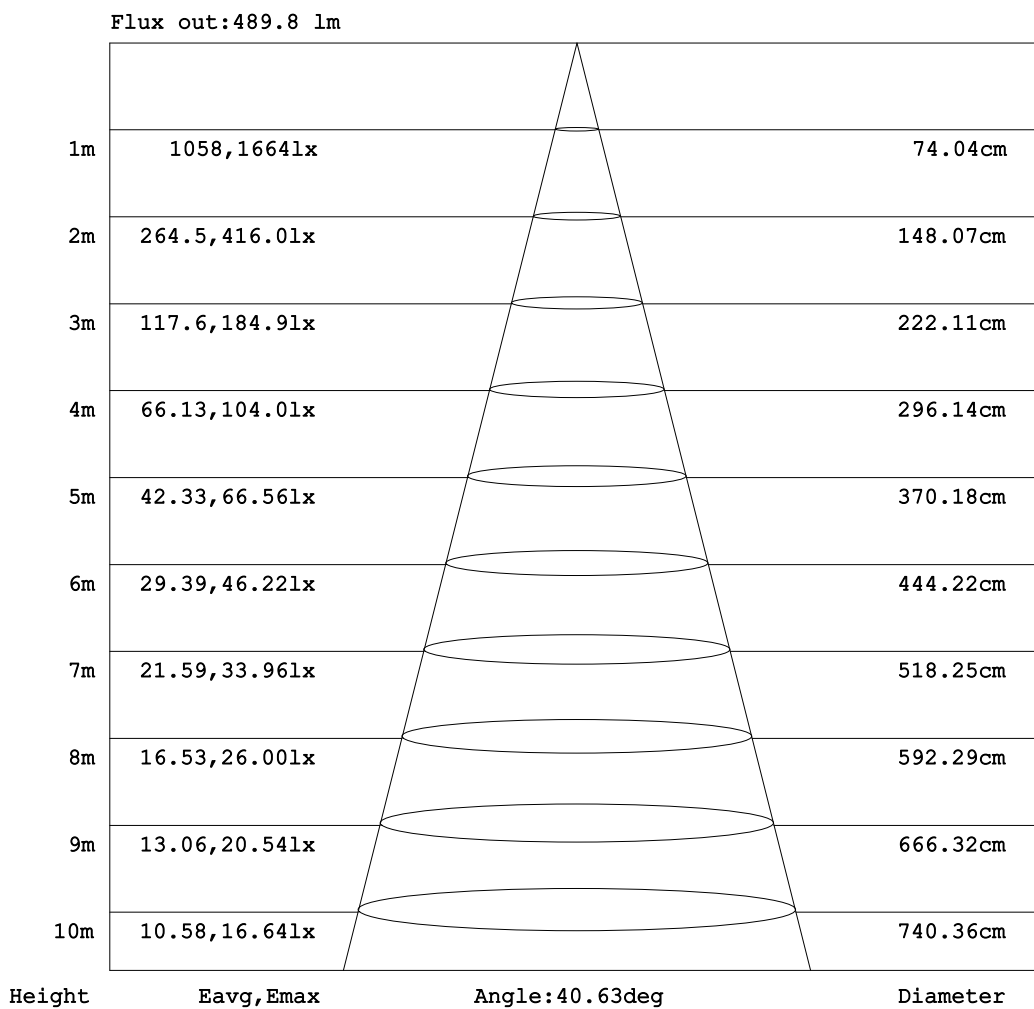
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:09 July 2021

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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm		
NAME: SLDL230T-4030P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



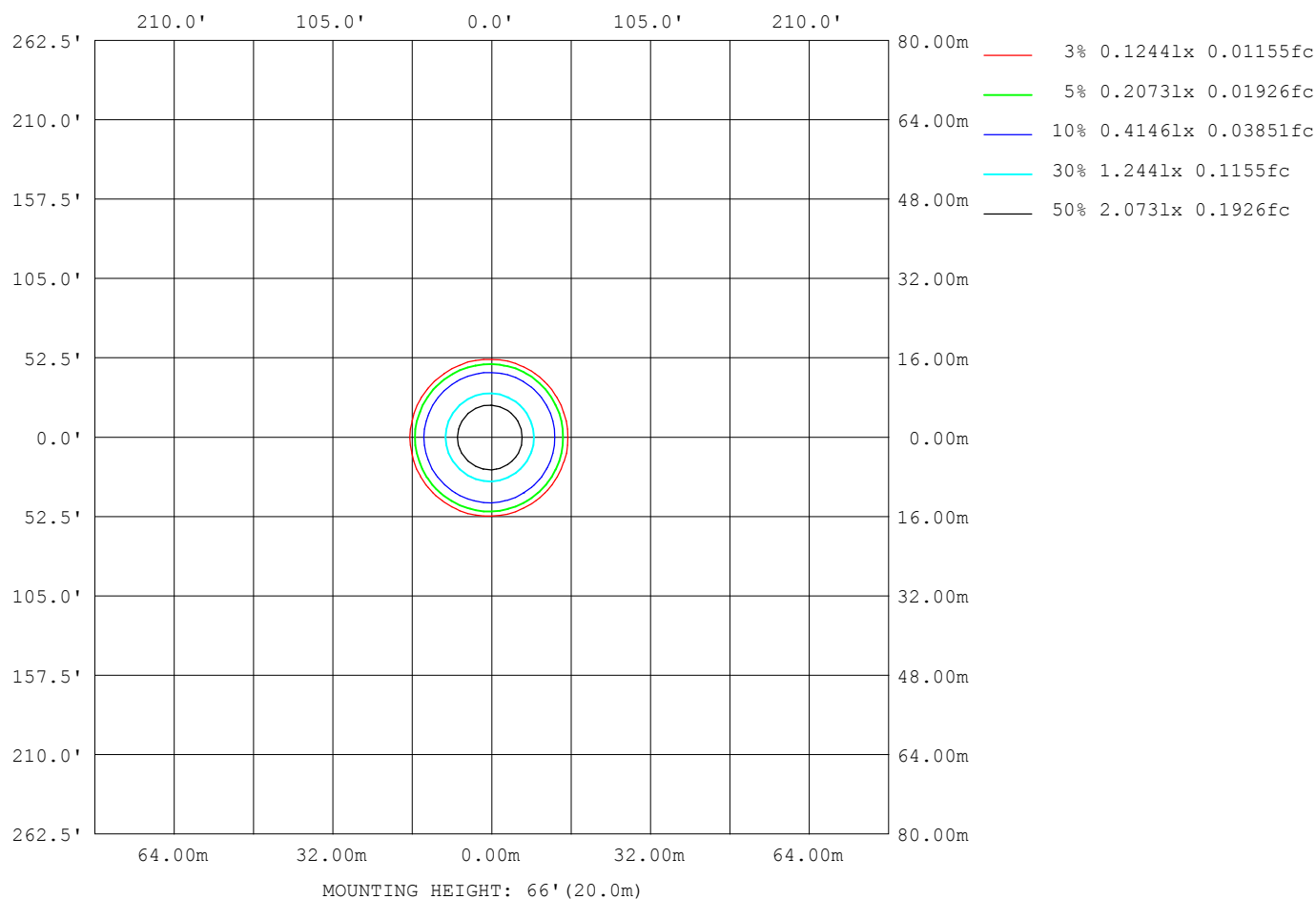
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm		
NAME: SLDL230T-4030P-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:11.300W PF:0.9790 Freq:50.00Hz Lamp Flux:879.354x1 lm		
NAME: SLDL230T-4030P-TWD11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

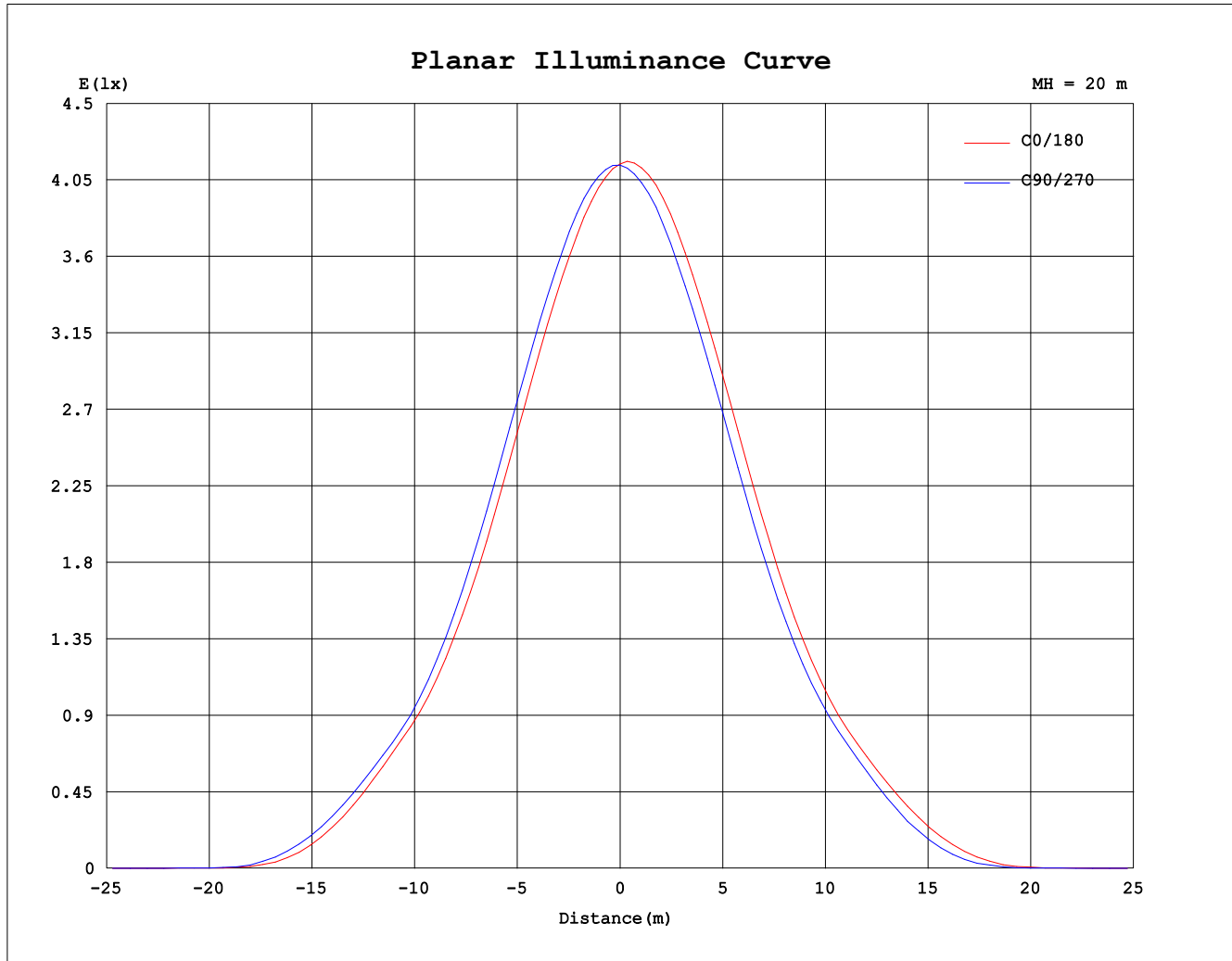
AvgL	cd/m2
L_0~180 (65) av	1039
L_0~180 (75) av	524
L_0~180 (85) av	129
L_90~270 (65) av	1044
L_90~270 (75) av	535
L_90~270 (85) av	106
L_45 (65) av	1036
L_45 (75) av	521
L_45 (85) av	95

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:

```