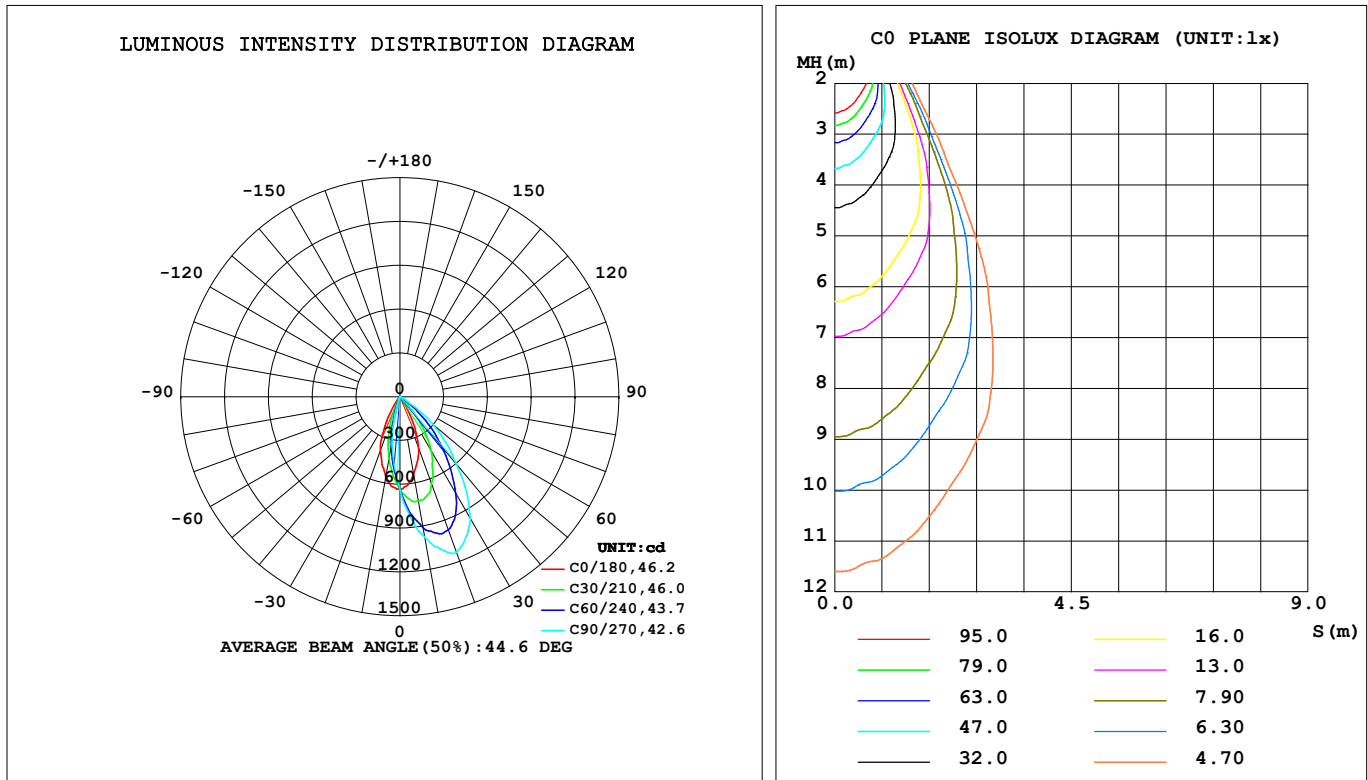


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm		
NAME: SLDL256T-4030P-TWD12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 50.90 lm/W
MODEL		I _{max} (cd)	1136	S/MH (C0/180)		0.73
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)		0.35
RATED VOLTAGE (V)		TOTAL FLUX (lm)	651.52	η UP,DN (C0-180)		0.0,86.6
NOMINAL FLUX (lm)	651.515	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,13.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.75
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX		0.75



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 July 2020

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:

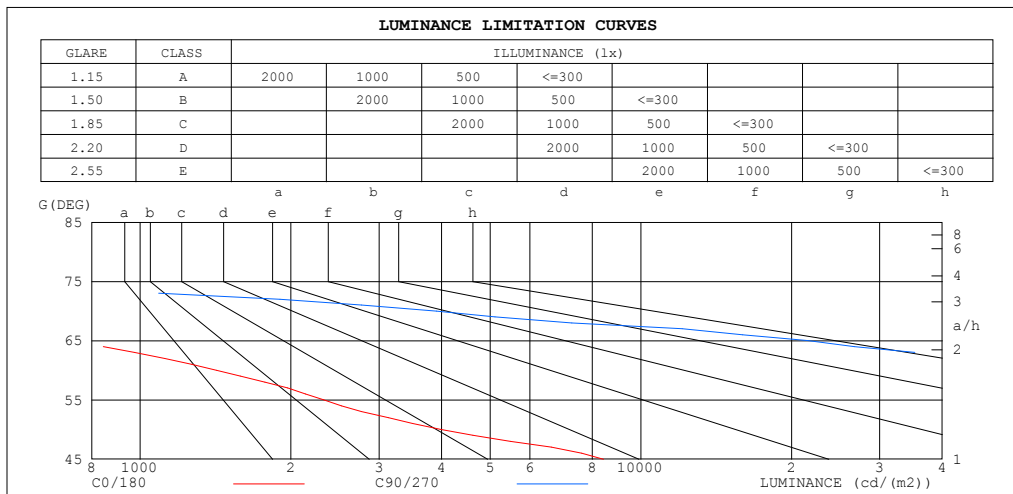
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	540.5	818.1	974.0	829.4	556.3	390.4	323.1	382.5	0- 10	59.40	59.40	9.12,9.12
20	376.8	802.5	1134	836.1	392.1	133.1	49.88	117.0	10- 20	152.7	212.1	32.6,32.6
30	120.3	598.0	964.7	645.2	163.5	17.96	7.483	16.24	20- 30	181.6	393.7	60.4,60.4
40	19.39	313.6	599.8	348.3	25.03	3.958	2.099	2.929	30- 40	148.1	541.8	83.2,83.2
50	3.238	91.41	298.6	111.6	4.632	1.139	0.9005	0.9742	40- 50	82.85	624.6	95.9,95.9
60	0.8953	11.08	38.21	12.70	1.061	0.5864	0.6387	0.5790	50- 60	23.69	648.3	99.5,99.5
70	0.2888	0.6049	1.668	0.5713	0.2847	0.4369	0.5067	0.4319	60- 70	2.774	651.1	99.9,99.9
80	0.1420	0.0963	0.0877	0.0959	0.1380	0.2531	0.3252	0.2493	70- 80	0.3038	651.4	100,100
90	0	0	0	0	0.0022	0.0036	0.0115	0	80- 90	0.0941	651.5	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:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm		
NAME: SLDL256T-4030P-TWD12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	592	336
80	649	405
75	668	500
70	670	3908
65	741	21555
60	1421	61229
55	2325	194466
50	3996	372291
45	8421	505229

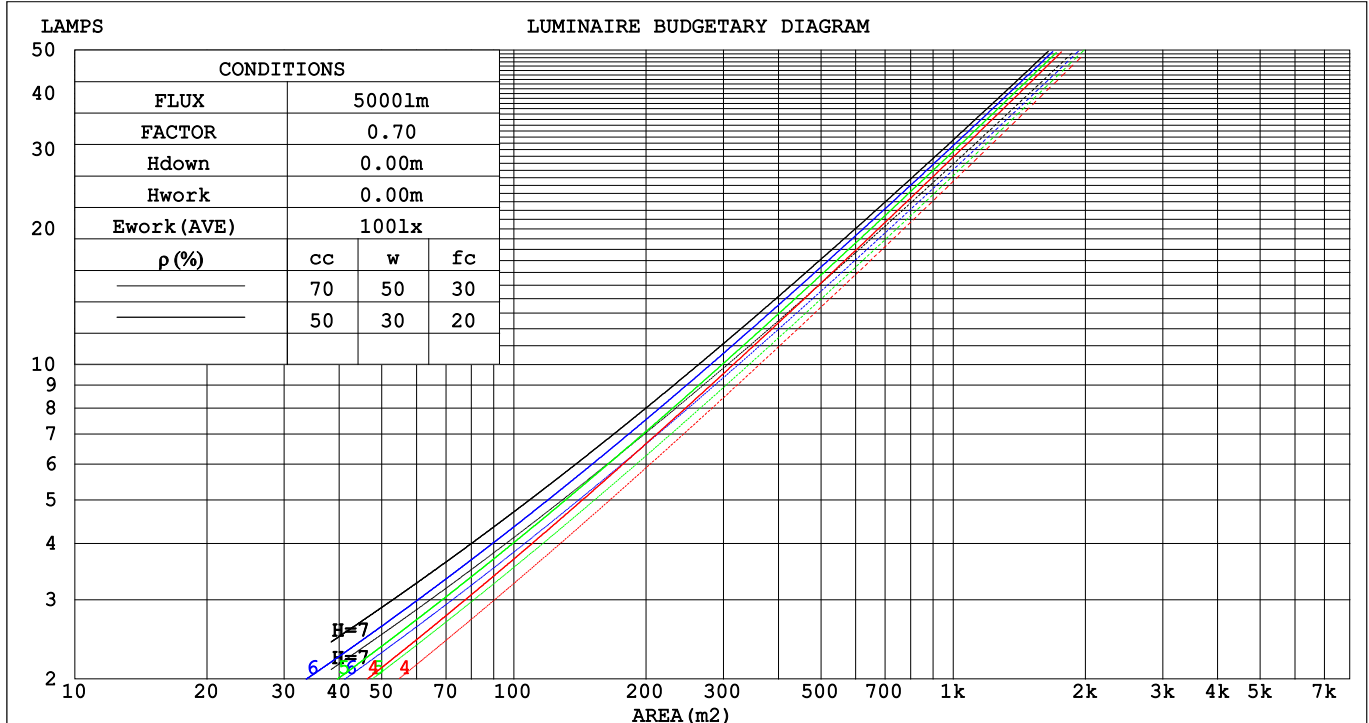
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm		
NAME: SLDL256T-4030P-TWD12	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	.00														
1.0	1.10	1.07	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.94	.93														
2.0	1.02	.97	.94	.90	.96	.93	.97	.93	.91	.94	.91	.89	.91	.89	.87	.85														
3.0	.94	.89	.84	.93	.88	.84	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78														
4.0	.87	.81	.76	.86	.80	.76	.84	.79	.75	.82	.77	.74	.80	.76	.73	.72														
5.0	.81	.74	.70	.80	.74	.69	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66														
6.0	.75	.69	.64	.74	.68	.64	.73	.67	.63	.71	.67	.63	.70	.66	.62	.61														
7.0	.70	.64	.59	.69	.63	.59	.68	.63	.59	.67	.62	.58	.66	.61	.58	.56														
8.0	.66	.59	.55	.65	.59	.55	.64	.58	.54	.63	.58	.54	.62	.57	.54	.52														
9.0	.62	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.50	.58	.54	.50	.49														
10.0	.58	.52	.48	.57	.51	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.46														



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm																	
NAME: SLDL256T-4030P-TWD12									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	.190	.108	.034	.183	.105	.033	.171	.098	.031	.159	.092	.029	.148	.086	.028	
2.0	.184	.101	.031	.178	.098	.030	.168	.093	.029	.158	.089	.028	.149	.084	.027	
3.0	.177	.094	.028	.172	.092	.028	.162	.088	.027	.154	.084	.026	.146	.081	.025	
4.0	.169	.088	.026	.164	.086	.025	.156	.083	.025	.149	.080	.024	.142	.077	.023	
5.0	.161	.082	.024	.157	.081	.023	.150	.078	.023	.144	.076	.023	.137	.073	.022	
6.0	.153	.077	.022	.150	.076	.022	.144	.074	.021	.138	.072	.021	.133	.070	.021	
7.0	.146	.072	.021	.144	.072	.020	.138	.070	.020	.133	.068	.020	.128	.066	.020	
8.0	.140	.068	.019	.137	.068	.019	.132	.066	.019	.128	.065	.019	.123	.063	.018	
9.0	.134	.065	.018	.131	.064	.018	.127	.063	.018	.123	.062	.018	.119	.060	.017	
10.0	.128	.061	.017	.126	.061	.017	.122	.060	.017	.118	.059	.017	.114	.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	.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	.058	.111	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007		
6.0	.122	.079	.048	.105	.068	.042	.072	.048	.029	.042	.028	.018	.014	.009	.006		
7.0	.116	.071	.040	.099	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005		
8.0	.110	.065	.035	.095	.057	.030	.066	.040	.021	.038	.023	.013	.012	.008	.004		
9.0	.105	.060	.030	.090	.052	.026	.063	.037	.019	.037	.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: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm											
NAME: SLDL256T-4030P-TWD12					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	25.6	26.7	25.9	26.9	27.0	34.3	35.3	34.5	35.5	35.7
	3H	25.5	26.4	25.7	26.6	26.8	34.1	35.1	34.4	35.3	35.5
	4H	25.4	26.3	25.7	26.5	26.7	34.0	34.9	34.3	35.1	35.4
	6H	25.3	26.1	25.6	26.4	26.6	33.9	34.8	34.2	35.0	35.3
	8H	25.2	26.0	25.6	26.3	26.6	33.9	34.7	34.2	34.9	35.2
	12H	25.2	26.0	25.5	26.2	26.5	33.8	34.6	34.2	34.9	35.2
4H	2H	25.6	26.5	25.9	26.7	26.9	34.0	34.9	34.3	35.1	35.4
	3H	25.4	26.2	25.7	26.5	26.7	33.8	34.6	34.2	34.9	35.2
	4H	25.3	26.0	25.7	26.3	26.6	33.7	34.4	34.1	34.7	35.1
	6H	25.2	25.8	25.6	26.2	26.5	33.6	34.3	34.0	34.6	34.9
	8H	25.2	25.7	25.6	26.1	26.5	33.6	34.2	34.0	34.5	34.9
	12H	25.1	25.6	25.5	26.0	26.4	33.5	34.1	34.0	34.4	34.8
8H	4H	25.2	25.7	25.6	26.1	26.5	33.6	34.2	34.0	34.5	34.9
	6H	25.1	25.5	25.5	25.9	26.3	33.5	34.0	33.9	34.4	34.8
	8H	25.0	25.4	25.5	25.8	26.3	33.4	33.9	33.9	34.3	34.7
	12H	25.0	25.3	25.4	25.8	26.2	33.4	33.7	33.9	34.2	34.7
12H	4H	25.1	25.6	25.5	26.0	26.4	33.5	34.1	34.0	34.4	34.8
	6H	25.0	25.4	25.5	25.8	26.3	33.4	33.9	33.9	34.3	34.7
	8H	25.0	25.3	25.4	25.8	26.2	33.4	33.7	33.9	34.2	34.7
Variations with the observer position at spacings:											
S = 1.0H		+ 3.4 / -17.5					+ 3.2 / - 8.3				
1.5H		+ 4.8 / -14.6					+ 3.4 / - 9.2				
2.0H		+ 6.3 / -15.2					+ 6.5 / -17.2				

CIE Pub.117, 651.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.5)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm		
NAME: SLDL256T-4030P-TWD12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

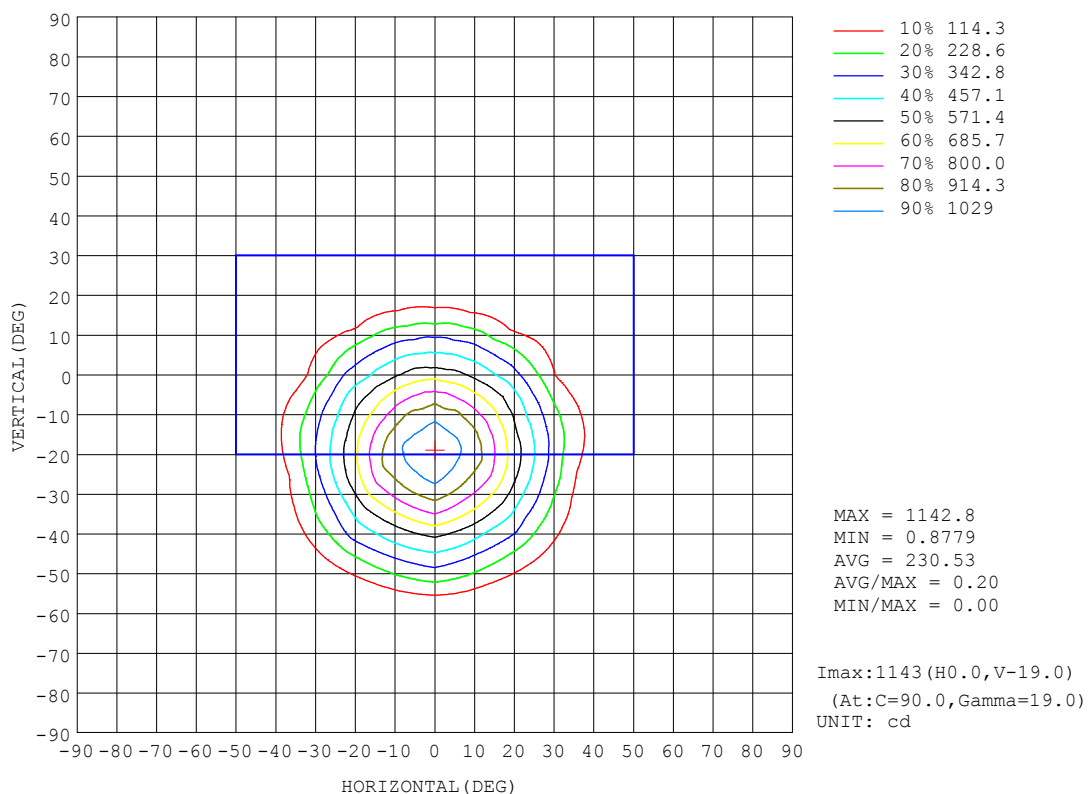
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	73	69	80	73	69	79	73	68	64
0.80	89	82	78	89	82	78	87	81	77	73
1.00	95	89	84	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	92	88
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	104	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: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm		
NAME: SLDL256T-4030P-TWD12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

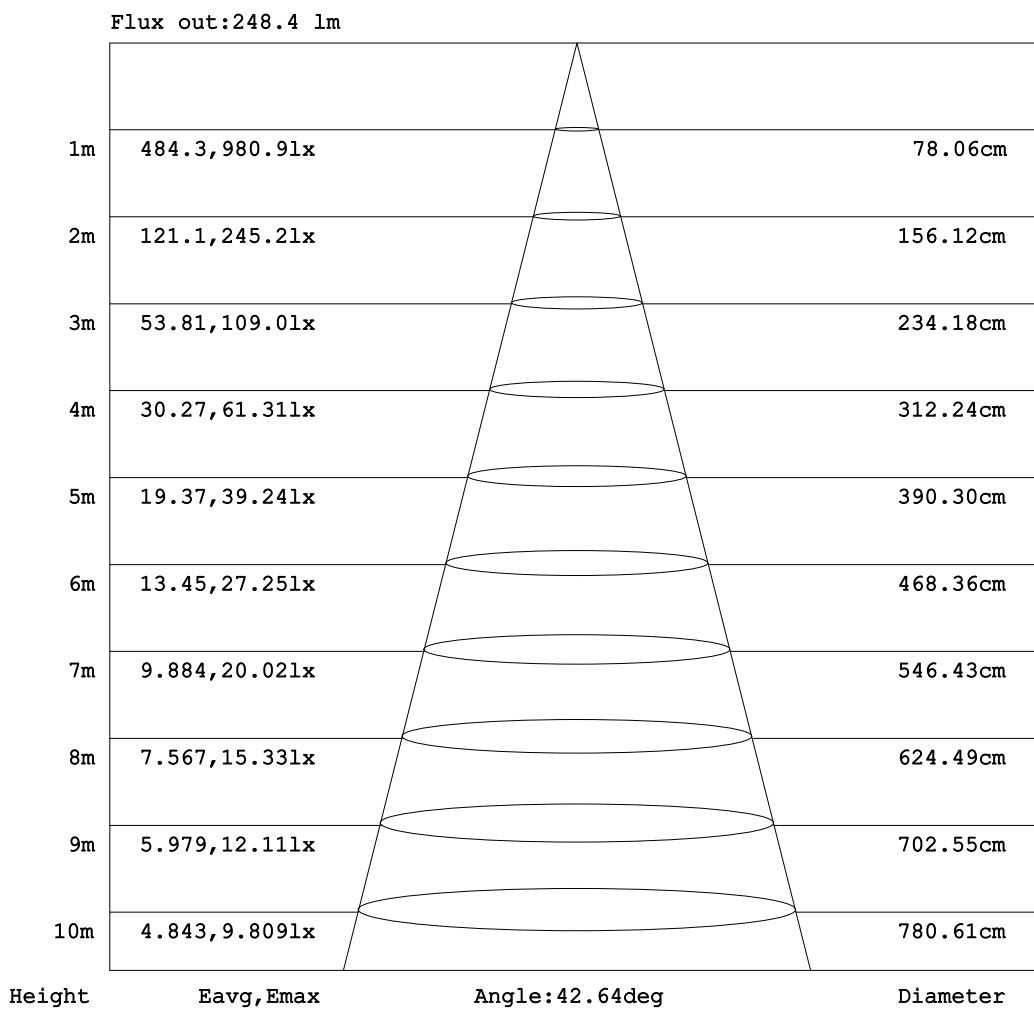


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm		
NAME: SLDL256T-4030P-TWD12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



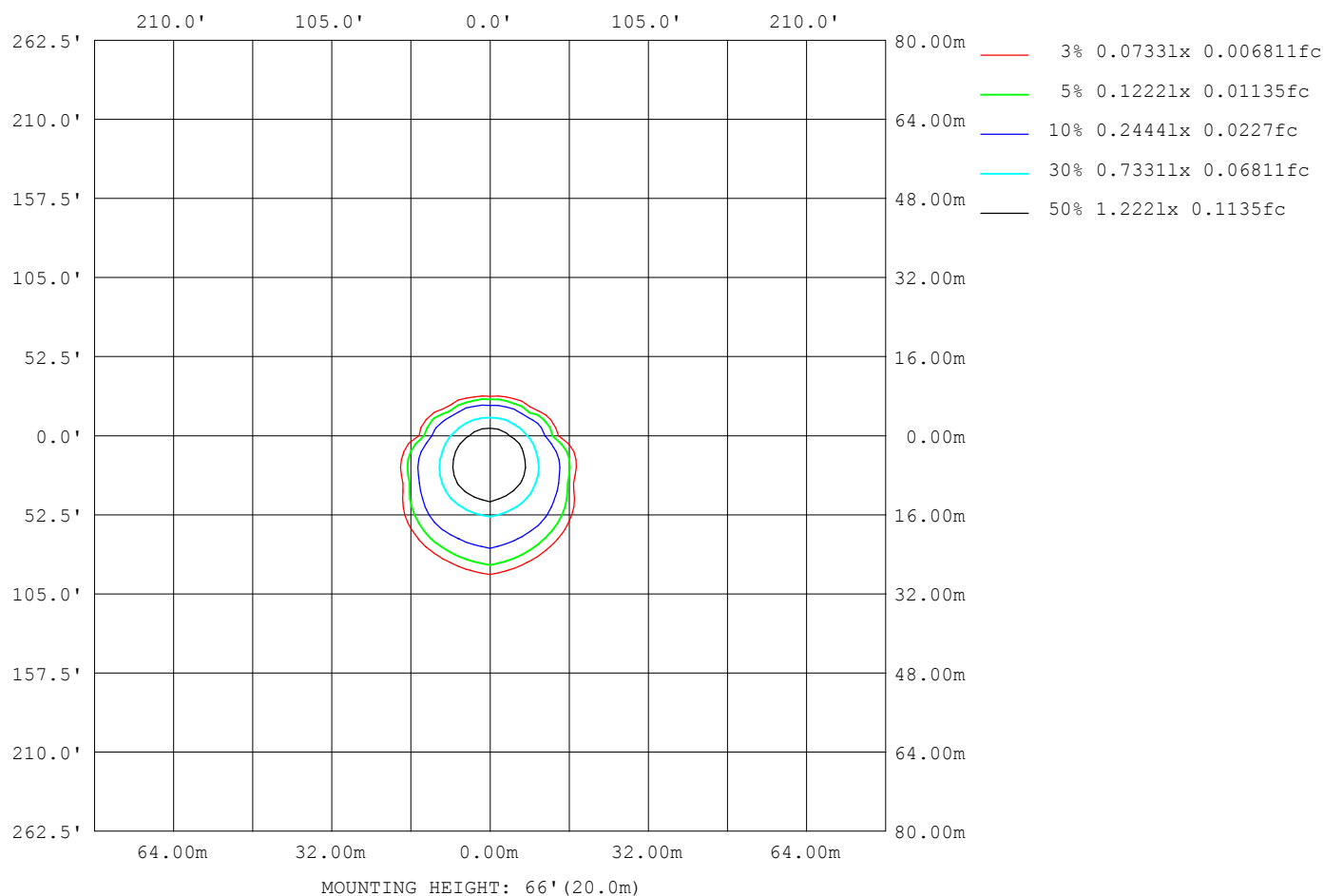
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jason
 Test Date:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm		
NAME: SLDL256T-4030P-TWD12	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:28 July 2020

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:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:651.515x1 lm		
NAME: SLDL256T-4030P-TWD12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

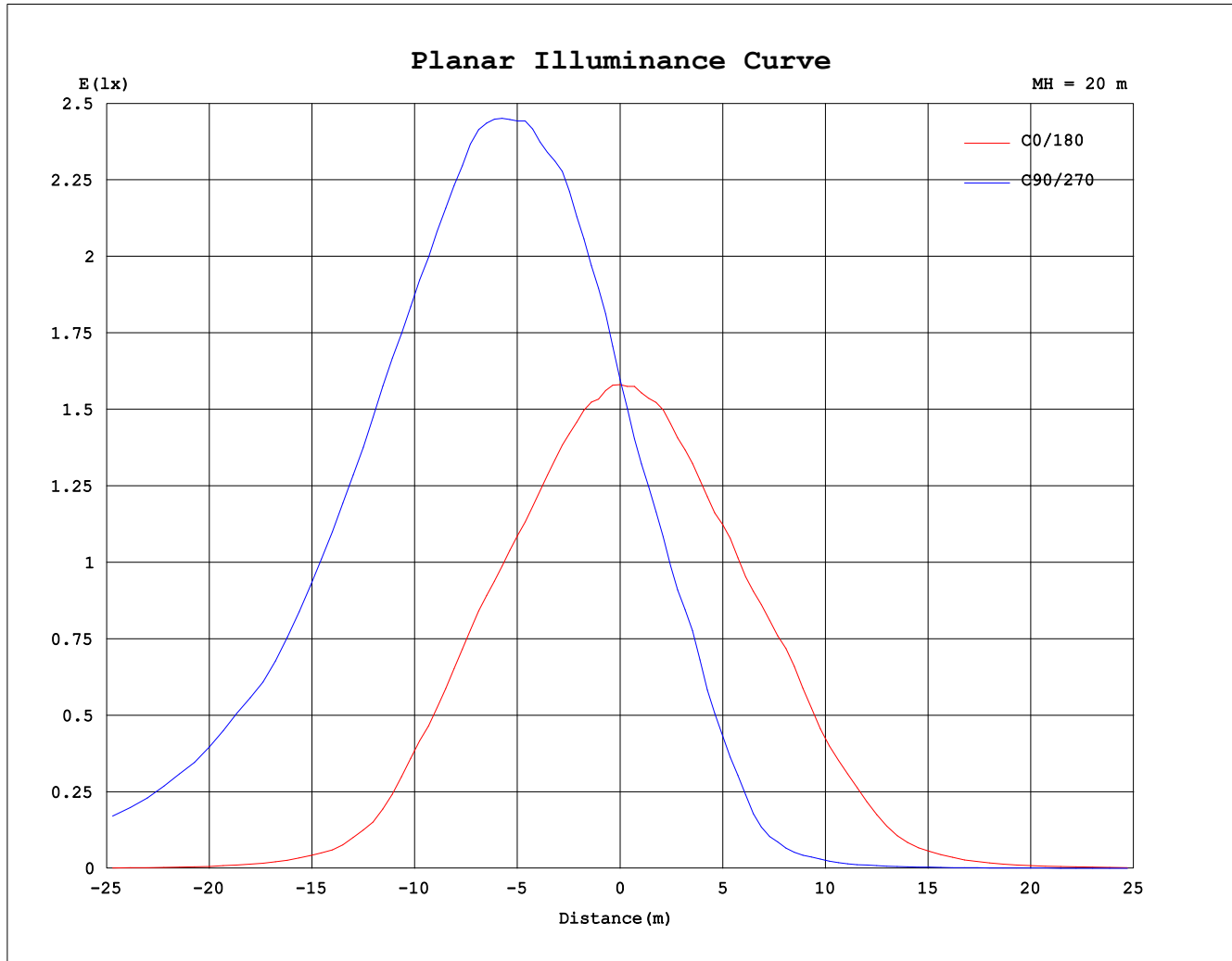
AvgL	cd/m2
L_0~180 (65) av	808
L_0~180 (75) av	667
L_0~180 (85) av	572
L_90~270 (65) av	11254
L_90~270 (75) av	900
L_90~270 (85) av	1026
L_45 (65) av	3248
L_45 (75) av	763
L_45 (85) av	795

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 July 2020

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: 28 July 2020

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:

```