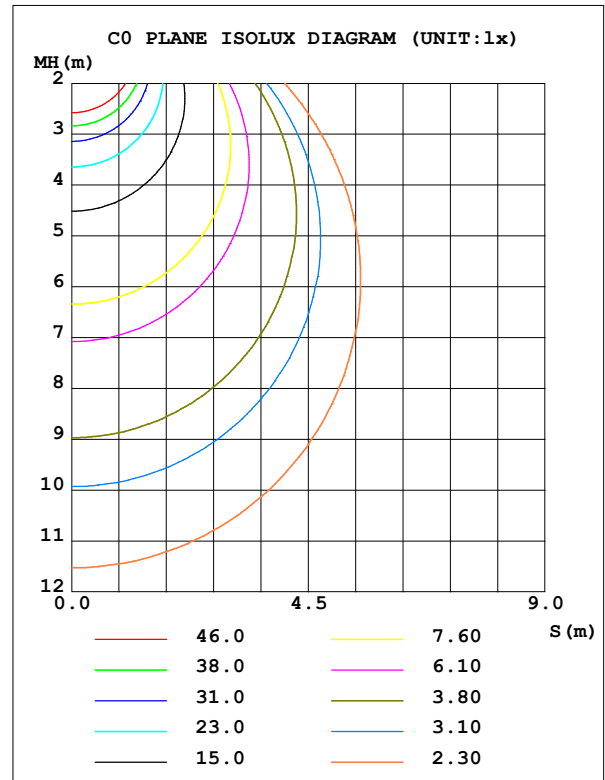
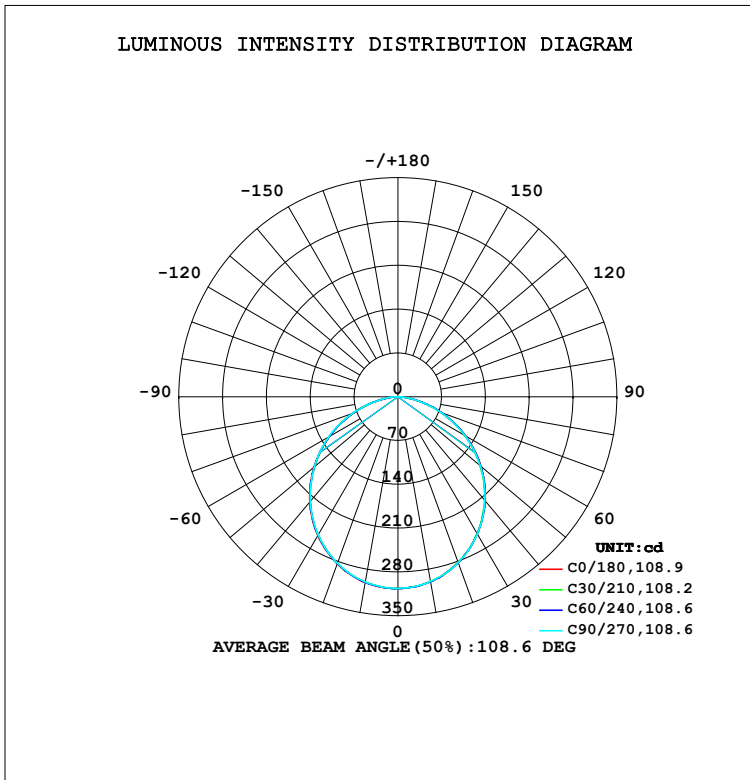


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm		
NAME: SLDL315F-30 SL302D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 76.37 lm/W
MODEL	SLDL315F-30 SL302D	I _{max} (cd)	306.7	S/MH (C0/180)	1.24	
NOMINAL POWER (W)	10.0	LOR (%)	100.0	S/MH (C90/270)	1.24	
RATED VOLTAGE (V)	230V	TOTAL FLUX (lm)	832.46	η UP,DN (C0-180)	0.0,49.7	
NOMINAL FLUX (lm)	832.464	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.3	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 September 2019

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:

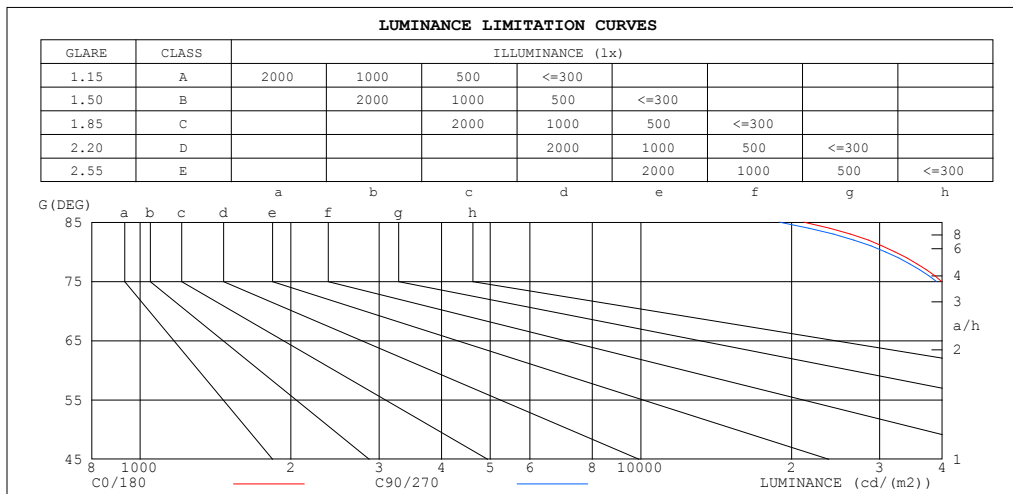
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	300.0	299.9	299.7	300.3	301.3	300.8	300.5	300.5	0- 10	28.96	28.96	3.48,3.48
20	282.0	281.8	282.1	282.5	284.1	283.3	283.1	282.8	10- 20	82.65	111.6	13.4,13.4
30	253.2	253.3	253.6	254.7	256.4	255.3	255.0	254.8	20- 30	124.3	235.9	28.3,28.3
40	217.3	216.1	216.0	217.8	219.1	218.3	217.9	217.9	30- 40	148.2	384.1	46.1,46.1
50	173.2	172.1	172.1	173.7	175.5	174.3	174.1	173.9	40- 50	151.4	535.5	64.3,64.3
60	124.6	123.4	123.4	124.9	126.6	126.2	127.1	125.8	50- 60	133.9	669.3	80.4,80.4
70	74.30	73.16	72.70	74.14	75.90	75.76	76.39	75.03	60- 70	98.89	768.2	92.3,92.3
80	26.77	25.93	25.54	26.79	28.04	27.72	28.27	27.10	70- 80	52.84	821.1	98.6,98.6
90	0.0174	0.0145	0.0138	0.0232	0.0931	0.1162	0.1029	0.0275	80- 90	11.40	832.5	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:09 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm		
NAME: SLDL315F-30 SL302D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21177	18930
80	32201	30814
75	39875	38922
70	45368	44542
65	49155	48526
60	52053	51716
55	54332	54143
50	56272	56104
45	57883	57758

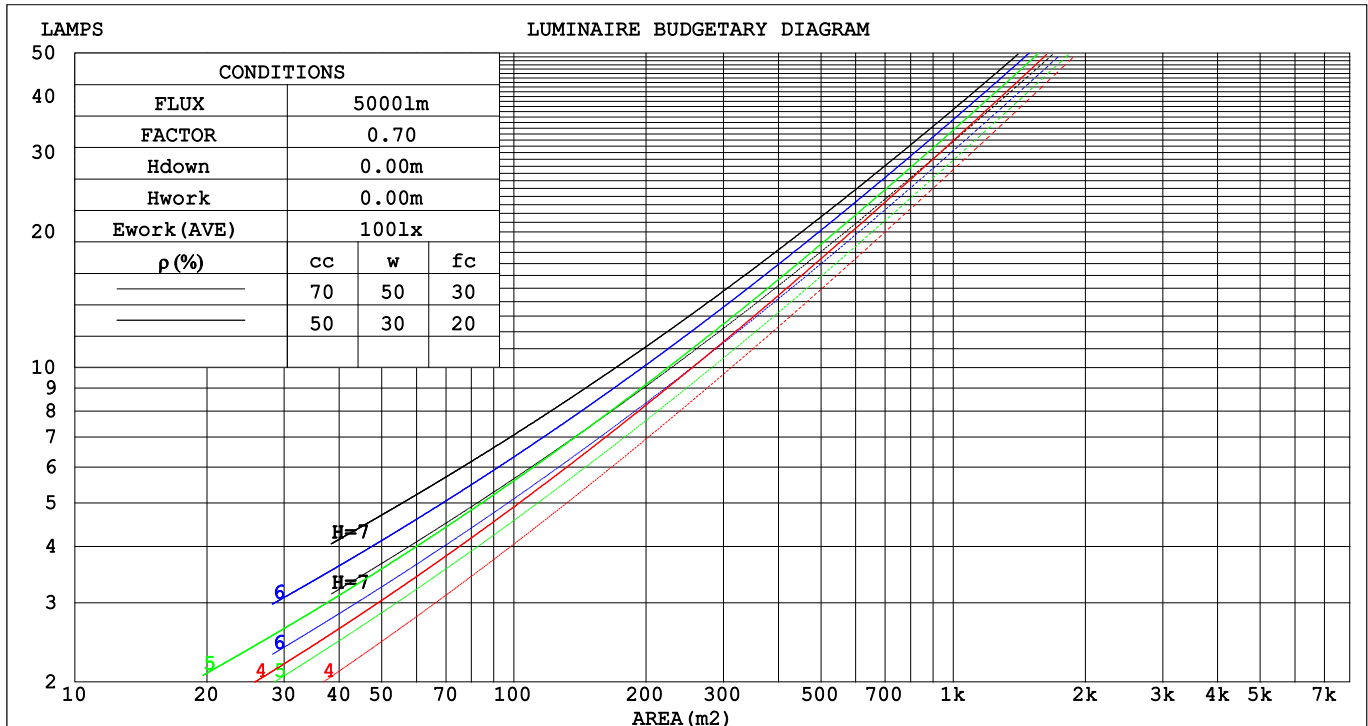
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 09 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm		
NAME: SLDL315F-30 SL302D	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 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm																	
NAME: SLDL315F-30 SL302D									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	.299	.170	.054	.292	.167	.053	.279	.160	.051	.267	.154	.049	.256	.148	.048	
2.0	.284	.156	.048	.278	.153	.047	.267	.148	.046	.256	.144	.045	.246	.139	.044	
3.0	.265	.141	.042	.259	.139	.042	.249	.135	.041	.239	.131	.040	.230	.128	.039	
4.0	.245	.127	.037	.240	.126	.037	.231	.123	.037	.223	.120	.036	.215	.117	.036	
5.0	.227	.116	.034	.223	.114	.033	.215	.112	.033	.207	.109	.033	.200	.107	.032	
6.0	.211	.106	.030	.207	.105	.030	.200	.102	.030	.193	.100	.030	.187	.098	.029	
7.0	.197	.097	.028	.193	.096	.027	.187	.094	.027	.181	.093	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.170	.086	.025	.165	.084	.025	
9.0	.172	.083	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.021	

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	.180	.156	.135	.154	.134	.116	.105	.092	.080	.060	.053	.047	.019	.017	.015		
2.0	.171	.132	.099	.147	.114	.085	.101	.079	.060	.058	.046	.035	.019	.015	.011		
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.056	.040	.027	.018	.013	.009		
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007		
5.0	.148	.090	.048	.127	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006		
6.0	.141	.082	.040	.121	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004		
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004		
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003		
10.0	.117	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm											
NAME: SLDL315F-30 SL302D					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	27.3	28.8	27.6	29.0	29.2	27.3	28.8	27.6	29.0	29.2
	3H	28.7	30.1	29.0	30.3	30.5	28.7	30.1	29.0	30.3	30.5
	4H	29.2	30.5	29.5	30.8	31.0	29.2	30.5	29.5	30.8	31.0
	6H	29.5	30.7	29.8	31.0	31.3	29.5	30.7	29.8	31.0	31.3
	8H	29.6	30.8	29.9	31.1	31.3	29.5	30.7	29.9	31.0	31.3
	12H	29.6	30.7	29.9	31.0	31.3	29.5	30.7	29.9	31.0	31.3
4H	2H	27.9	29.2	28.2	29.4	29.7	27.9	29.2	28.2	29.5	29.7
	3H	29.4	30.6	29.8	30.9	31.2	29.4	30.6	29.8	30.9	31.2
	4H	30.0	31.1	30.4	31.4	31.7	30.0	31.1	30.4	31.4	31.8
	6H	30.4	31.4	30.8	31.7	32.1	30.4	31.4	30.8	31.7	32.1
	8H	30.6	31.4	31.0	31.8	32.2	30.5	31.4	31.0	31.8	32.2
	12H	30.6	31.4	31.0	31.8	32.2	30.6	31.4	31.0	31.8	32.2
8H	4H	30.2	31.1	30.7	31.5	31.9	30.3	31.1	30.7	31.5	31.9
	6H	30.8	31.5	31.2	31.9	32.3	30.8	31.5	31.2	31.9	32.3
	8H	30.9	31.6	31.4	32.0	32.4	30.9	31.6	31.4	32.0	32.4
	12H	31.0	31.6	31.5	32.0	32.5	31.0	31.5	31.5	32.0	32.5
12H	4H	30.2	31.0	30.7	31.4	31.8	30.2	31.0	30.7	31.4	31.8
	6H	30.8	31.4	31.3	31.9	32.3	30.8	31.4	31.3	31.9	32.3
	8H	31.0	31.5	31.5	32.0	32.4	31.0	31.5	31.4	32.0	32.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 832.5 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.6$)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm		
NAME: SLDL315F-30 SL302D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

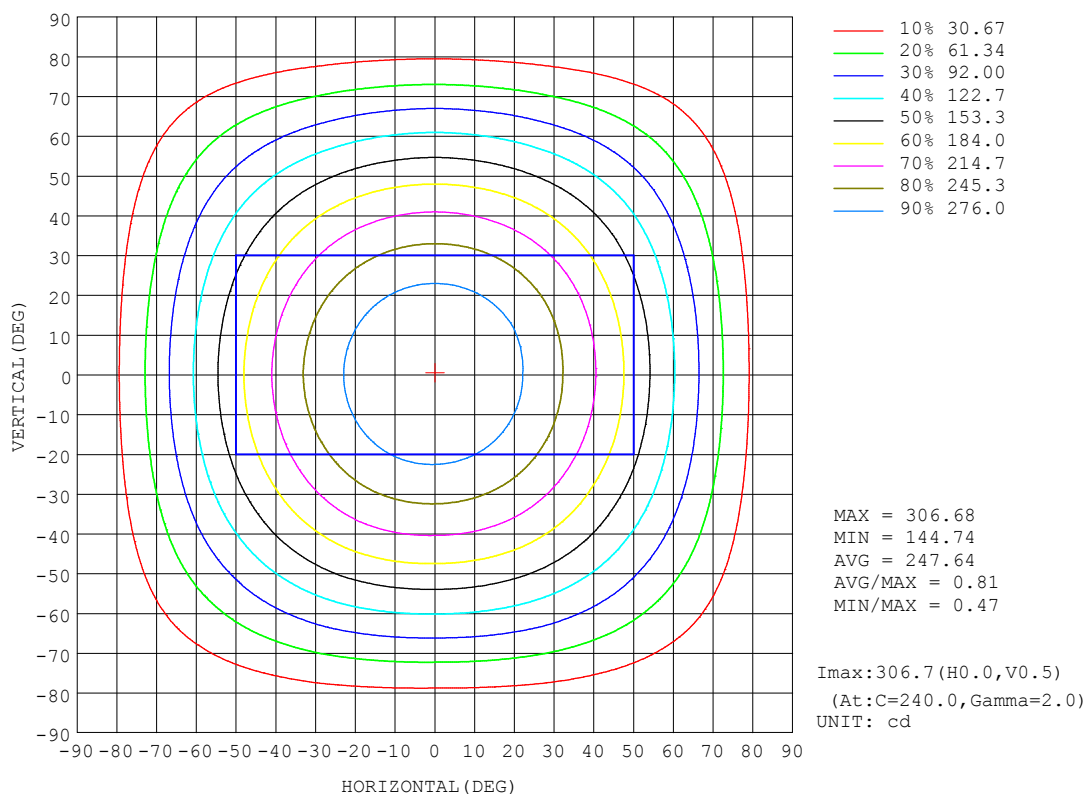
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	58	47	40	56	46	40	33
0.80	68	57	50	67	57	50	66	56	49	42
1.00	77	66	59	76	65	59	73	67	58	51
1.25	84	74	67	83	73	66	80	72	65	58
1.50	89	79	72	87	78	72	84	77	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	100	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
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 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm		
NAME: SLDL315F-30 SL302D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

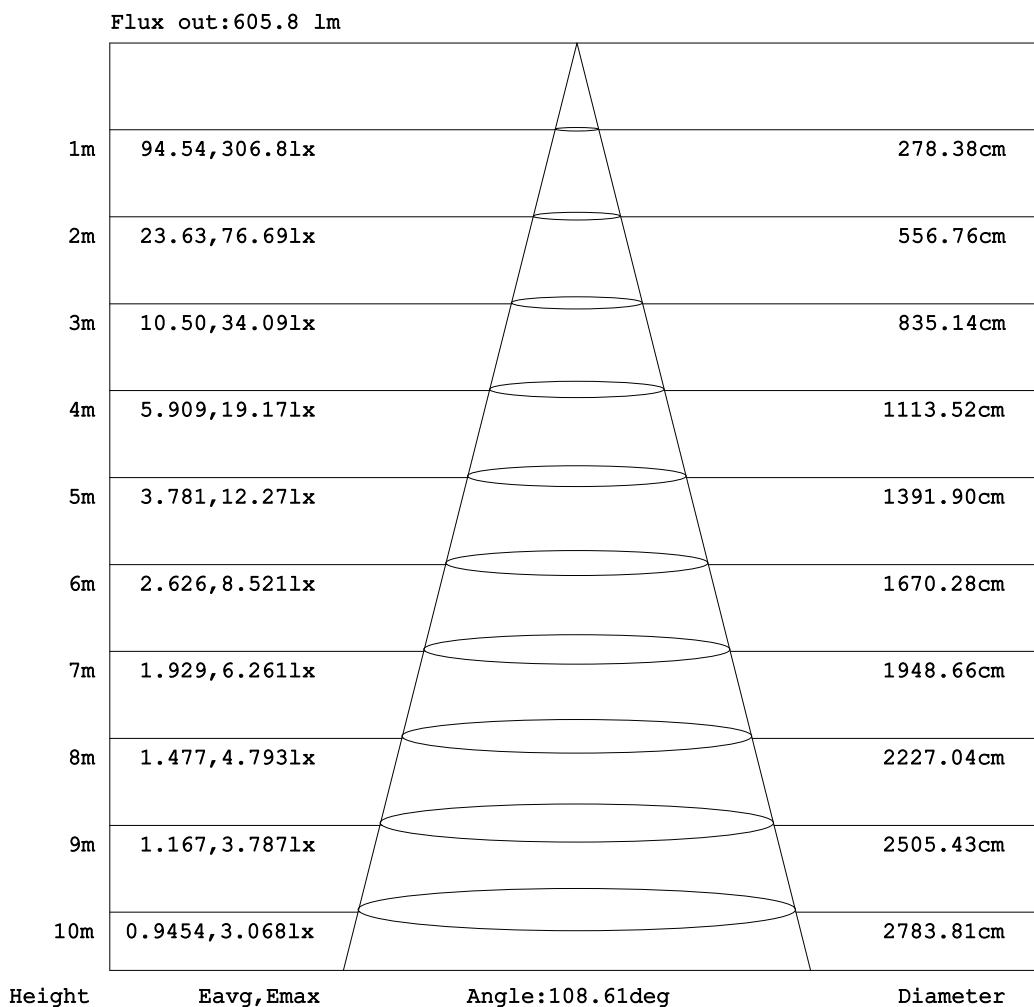


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm		
NAME: SLDL315F-30 SL302D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



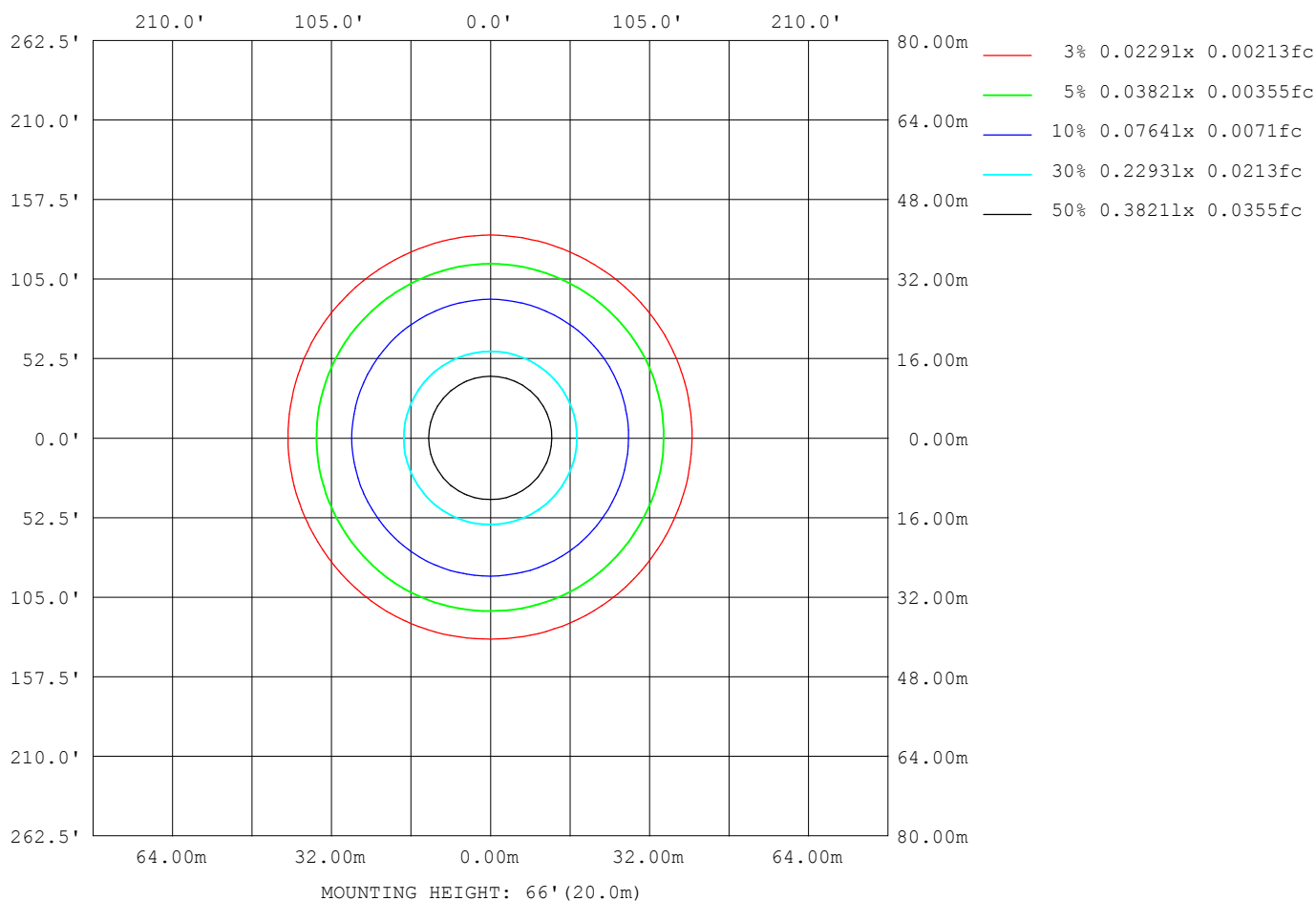
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 09 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm		
NAME: SLDL315F-30 SL302D	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 September 2019

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:229.90V I:0.0490A P:10.900W PF:0.9760 Freq:50.00Hz Lamp Flux:832.464x1 lm		
NAME: SLDL315F-30 SL302D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

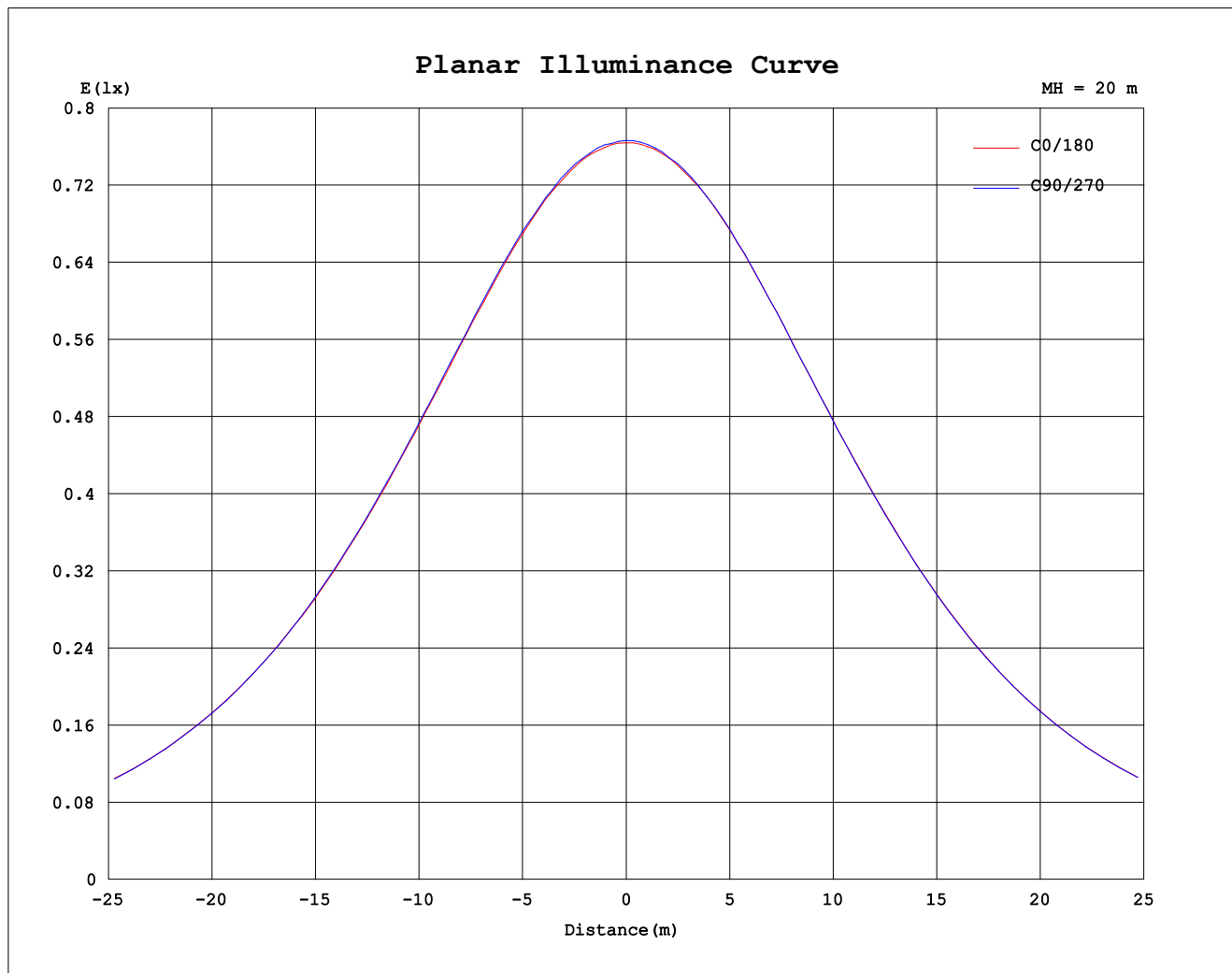
AvgL	cd/m2
L_0~180 (65) av	49753
L_0~180 (75) av	40619
L_0~180 (85) av	22199
L_90~270 (65) av	49459
L_90~270 (75) av	40208
L_90~270 (85) av	21243
L_45 (65) av	49433
L_45 (75) av	40176
L_45 (85) av	21235

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:09 September 2019

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 September 2019

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:

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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:

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