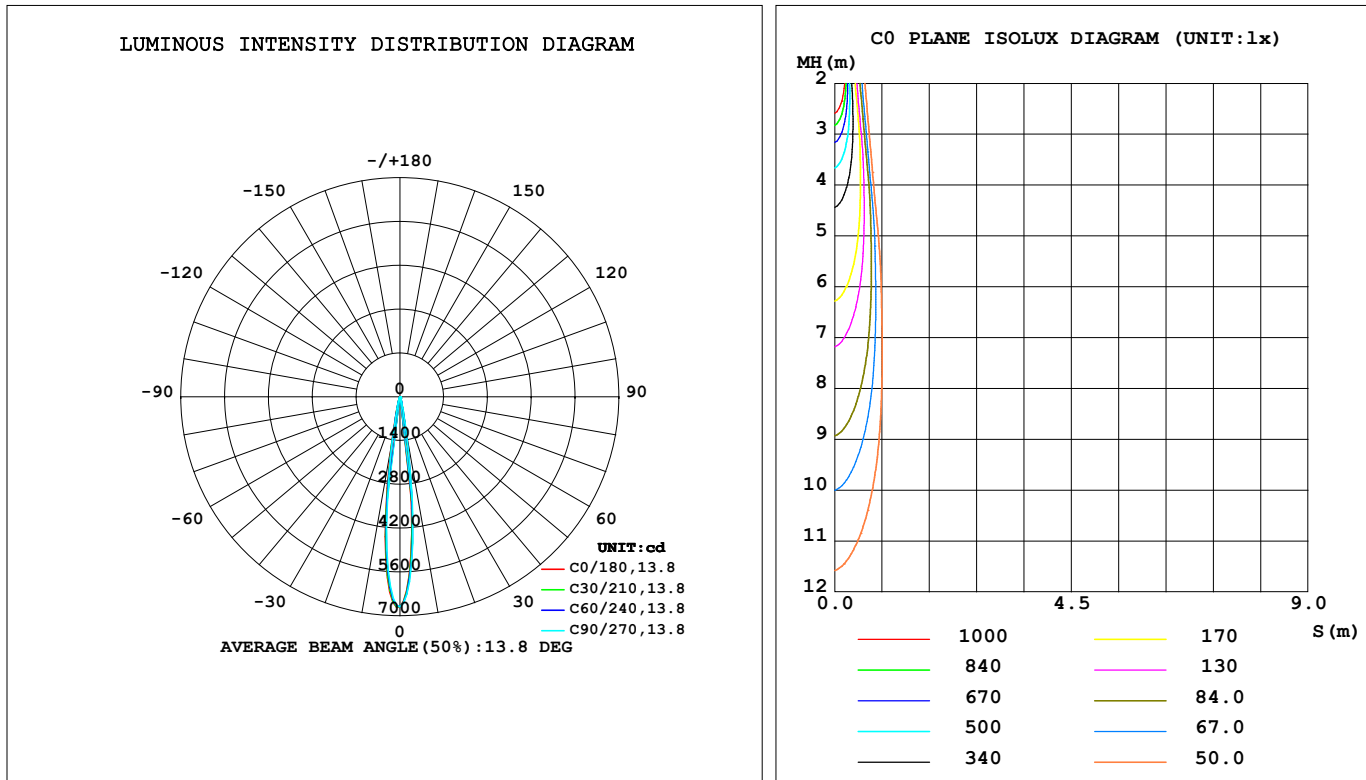


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm		
NAME: SLDL284F-1530P-BGDD15	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 73.13 lm/W
MODEL		I _{max} (cd)	6723	S/MH (C0/180)		0.24
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)		0.24
RATED VOLTAGE (V)	230V	TOTAL FLUX (lm)	482.64	η UP,DN (C0-180)		0.0,48.2
NOMINAL FLUX (lm)	482.637	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,51.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX		1.00



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

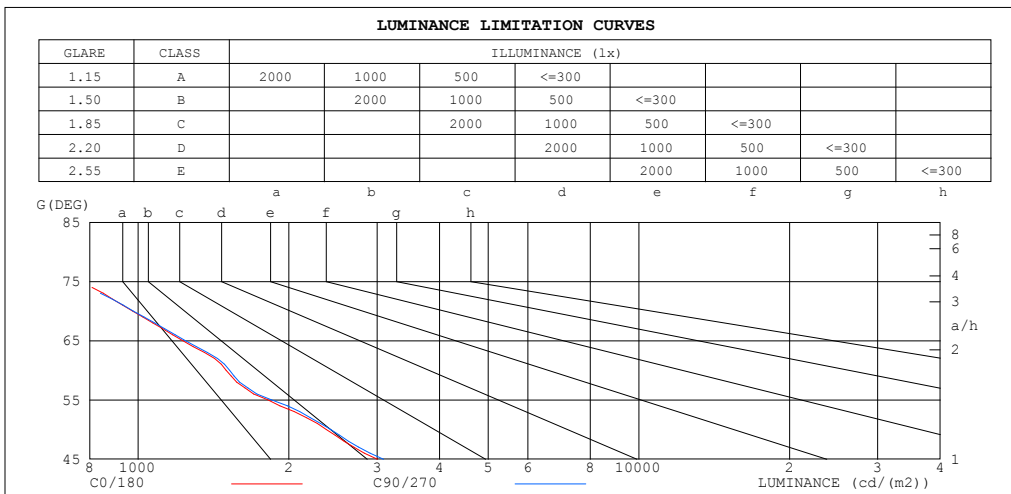
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1009	1126	1210	1283	1531	1448	1439	1138	0- 10	332.9	332.9	69,69
20	121.8	131.5	137.3	133.2	141.9	143.8	142.8	130.4	10- 20	105.5	438.3	90.8,90.8
30	27.87	30.51	33.35	33.49	36.90	35.13	32.89	30.06	20- 30	31.97	470.3	97.4,97.4
40	4.297	4.339	4.368	4.505	4.737	4.315	4.141	4.303	30- 40	8.003	478.3	99.1,99.1
50	1.919	1.924	1.957	1.891	1.926	1.857	1.834	1.852	40- 50	2.171	480.5	99.6,99.6
60	0.9416	0.9288	0.9565	0.9170	0.9382	0.8867	0.8719	0.8921	50- 60	1.184	481.7	99.8,99.8
70	0.4193	0.4110	0.4203	0.4117	0.4400	0.4135	0.3929	0.3996	60- 70	0.6440	482.3	99.9,99.9
80	0.1285	0.1188	0.1200	0.1233	0.1317	0.1215	0.1155	0.1149	70- 80	0.2645	482.6	100,100
90	0	0	0	0	0.0015	0	0	0	80- 90	0.0506	482.6	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 September 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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm		
NAME: SLDL284F-1530P-BGDD15	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	446	336
80	589	550
75	772	760
70	976	978
65	1226	1242
60	1499	1523
55	1815	1844
50	2376	2423
45	3006	3094

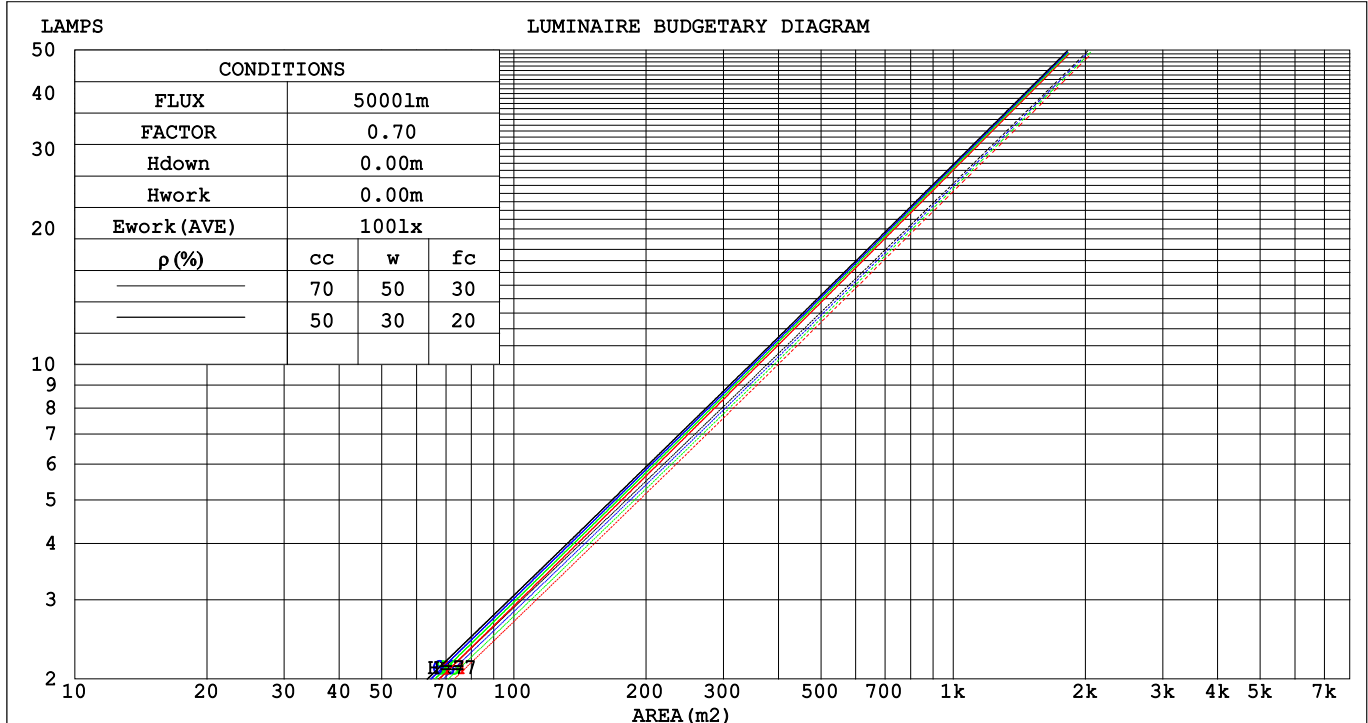
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 28 September 2020

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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm		
NAME: SLDL284F-1530P-BGDD15	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:28 September 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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm																	
NAME: SLDL284F-1530P-BGDD15									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	.114	.065	.020	.107	.061	.019	.095	.054	.017	.084	.048	.015	.073	.042	.014	
2.0	.103	.056	.017	.098	.054	.017	.088	.049	.015	.079	.044	.014	.070	.040	.012	
3.0	.094	.050	.015	.090	.048	.014	.082	.044	.013	.074	.041	.012	.067	.037	.011	
4.0	.087	.045	.013	.083	.043	.013	.076	.040	.012	.070	.038	.011	.064	.035	.011	
5.0	.080	.041	.012	.077	.040	.012	.072	.037	.011	.066	.035	.010	.061	.033	.010	
6.0	.075	.037	.011	.072	.036	.011	.067	.035	.010	.063	.033	.010	.059	.031	.009	
7.0	.070	.035	.010	.068	.034	.010	.064	.032	.009	.060	.031	.009	.056	.029	.009	
8.0	.066	.032	.009	.064	.032	.009	.060	.030	.009	.057	.029	.008	.054	.028	.008	
9.0	.062	.030	.008	.061	.030	.008	.058	.028	.008	.055	.027	.008	.052	.026	.008	
10.0	.059	.028	.008	.058	.028	.008	.055	.027	.008	.052	.026	.007	.050	.025	.007	

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	.167	.158	.150	.143	.135	.129	.098	.093	.089	.056	.054	.052	.018	.017	.017	
2.0	.147	.133	.121	.126	.114	.104	.086	.079	.073	.050	.046	.043	.016	.015	.014	
3.0	.131	.113	.099	.112	.098	.086	.077	.068	.060	.044	.040	.036	.014	.013	.012	
4.0	.117	.097	.083	.100	.084	.072	.069	.059	.050	.040	.034	.030	.013	.011	.010	
5.0	.105	.085	.069	.090	.073	.060	.062	.051	.043	.036	.030	.025	.012	.010	.008	
6.0	.095	.074	.059	.082	.064	.051	.056	.045	.036	.033	.026	.022	.011	.009	.007	
7.0	.087	.066	.051	.075	.057	.044	.052	.040	.031	.030	.023	.019	.010	.008	.006	
8.0	.080	.058	.044	.068	.051	.038	.047	.036	.027	.028	.021	.016	.009	.007	.005	
9.0	.073	.052	.038	.063	.046	.033	.044	.032	.024	.025	.019	.014	.008	.006	.005	
10.0	.068	.047	.034	.059	.041	.029	.041	.029	.021	.024	.017	.012	.008	.006	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 September 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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm											
NAME: SLDL284F-1530P-BGDD15					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		6.5	6.9	6.6	7.1	7.2	7.0	7.5	7.2	7.6	7.8
	3H	6.7	7.1	6.9	7.3	7.5	7.2	7.6	7.4	7.8	8.0
	4H	6.7	7.1	6.9	7.3	7.5	7.2	7.6	7.5	7.8	8.0
	6H	6.7	7.1	7.0	7.3	7.6	7.2	7.6	7.5	7.8	8.1
	8H	6.7	7.1	7.0	7.3	7.6	7.2	7.6	7.4	7.8	8.1
	12H	6.7	7.1	7.0	7.3	7.6	7.1	7.5	7.4	7.8	8.0
4H	2H	6.5	6.9	6.7	7.1	7.3	7.0	7.4	7.3	7.6	7.9
	3H	6.7	7.1	7.0	7.4	7.6	7.2	7.6	7.5	7.9	8.1
	4H	6.8	7.2	7.1	7.5	7.8	7.3	7.6	7.6	7.9	8.2
	6H	6.8	7.2	7.2	7.5	7.8	7.3	7.6	7.6	7.9	8.3
	8H	6.8	7.1	7.2	7.5	7.8	7.3	7.6	7.6	7.9	8.3
	12H	6.8	7.1	7.2	7.4	7.8	7.2	7.5	7.6	7.9	8.2
8H	4H	6.7	7.1	7.1	7.4	7.8	7.2	7.5	7.6	7.9	8.2
	6H	6.8	7.0	7.2	7.4	7.8	7.2	7.5	7.6	7.9	8.3
	8H	6.8	7.0	7.2	7.4	7.8	7.2	7.4	7.6	7.8	8.3
	12H	6.7	6.9	7.2	7.4	7.8	7.2	7.4	7.6	7.8	8.3
12H	4H	6.7	7.0	7.1	7.3	7.7	7.1	7.4	7.5	7.8	8.2
	6H	6.7	7.0	7.2	7.4	7.8	7.2	7.4	7.6	7.8	8.2
	8H	6.7	6.9	7.2	7.4	7.8	7.1	7.3	7.6	7.8	8.3
Variations with the observer position at spacings:											
S = 1.0H	+ 1.5 / - 1.7					+ 1.7 / - 1.7					
1.5H	+ 2.4 / - 1.3					+ 2.8 / - 1.4					
2.0H	+ 1.7 / - 1.3					+ 1.7 / - 1.3					

CIE Pub.117, 482.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 September 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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm		
NAME: SLDL284F-1530P-BGDD15	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

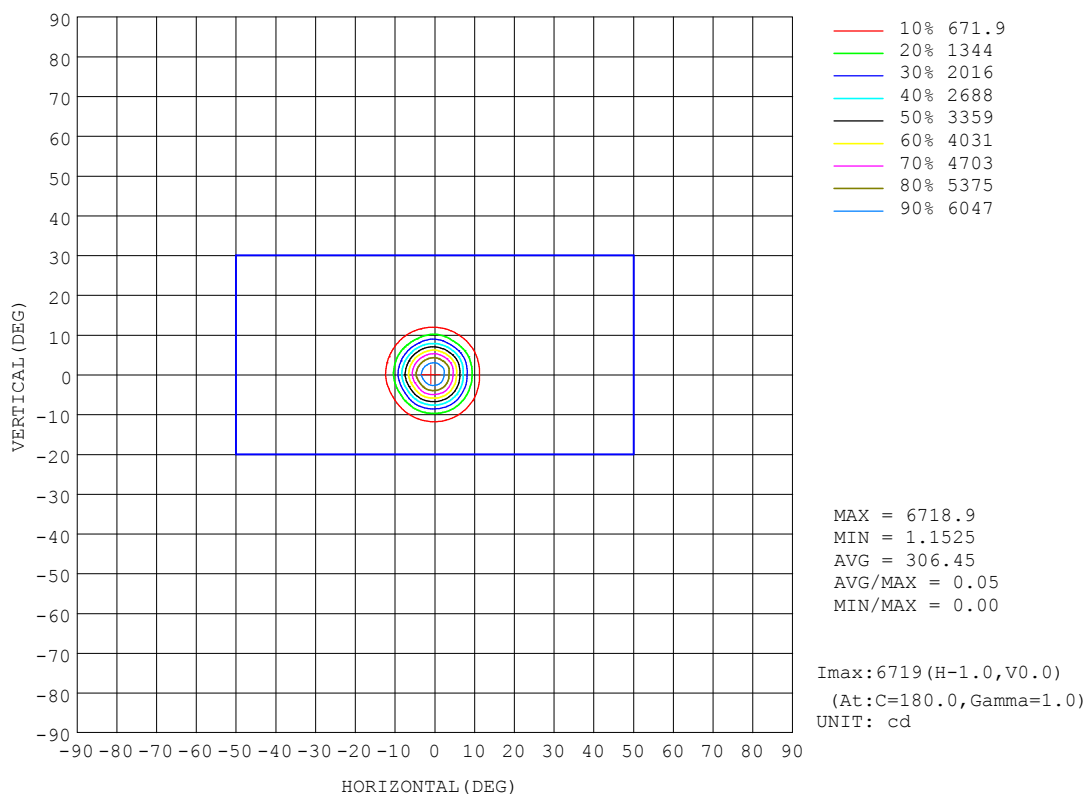
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	91	85	82	90	85	82	79
0.80	98	93	89	97	92	89	96	92	89	86
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	101	98	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	106	104	98
4.00	115	112	110	113	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:28 September 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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm		
NAME: SLDL284F-1530P-BGDD15	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

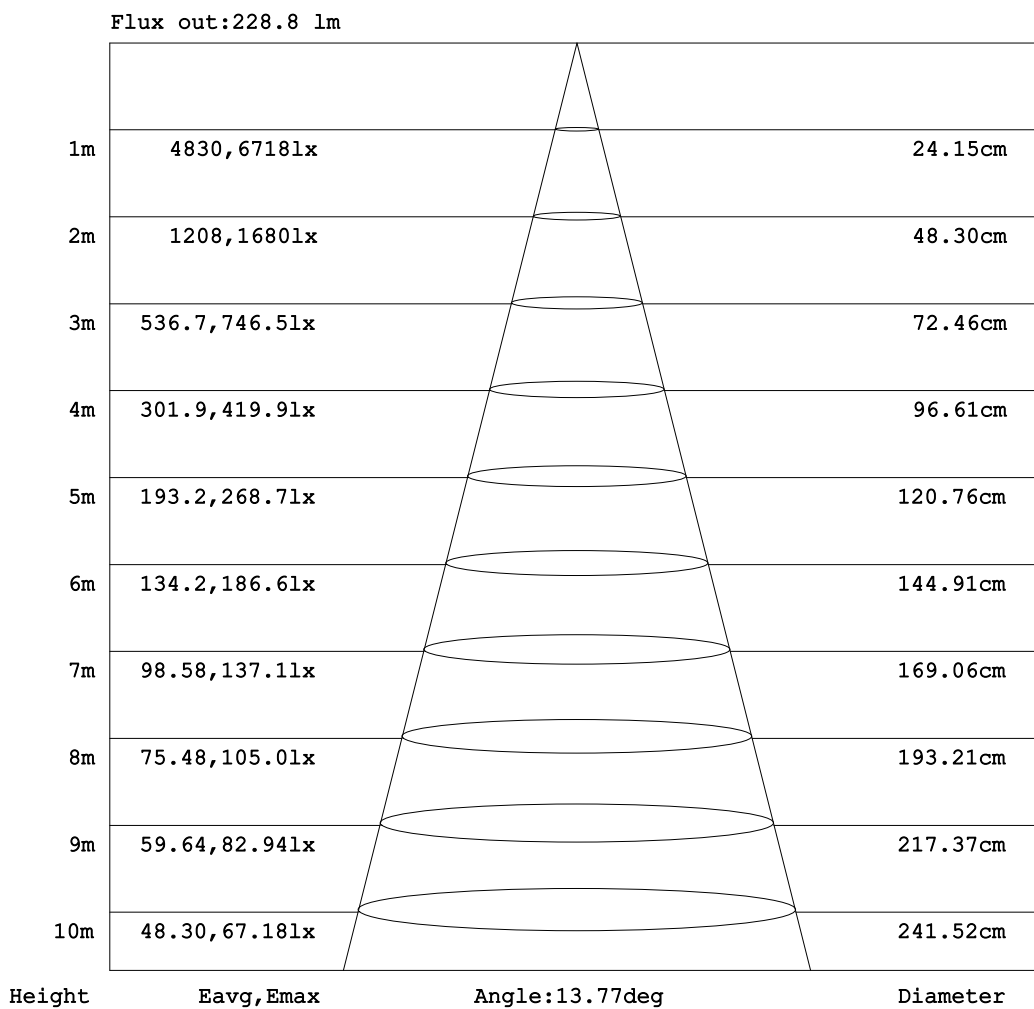


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 September 2020

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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm		
NAME: SLDL284F-1530P-BGDD15	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



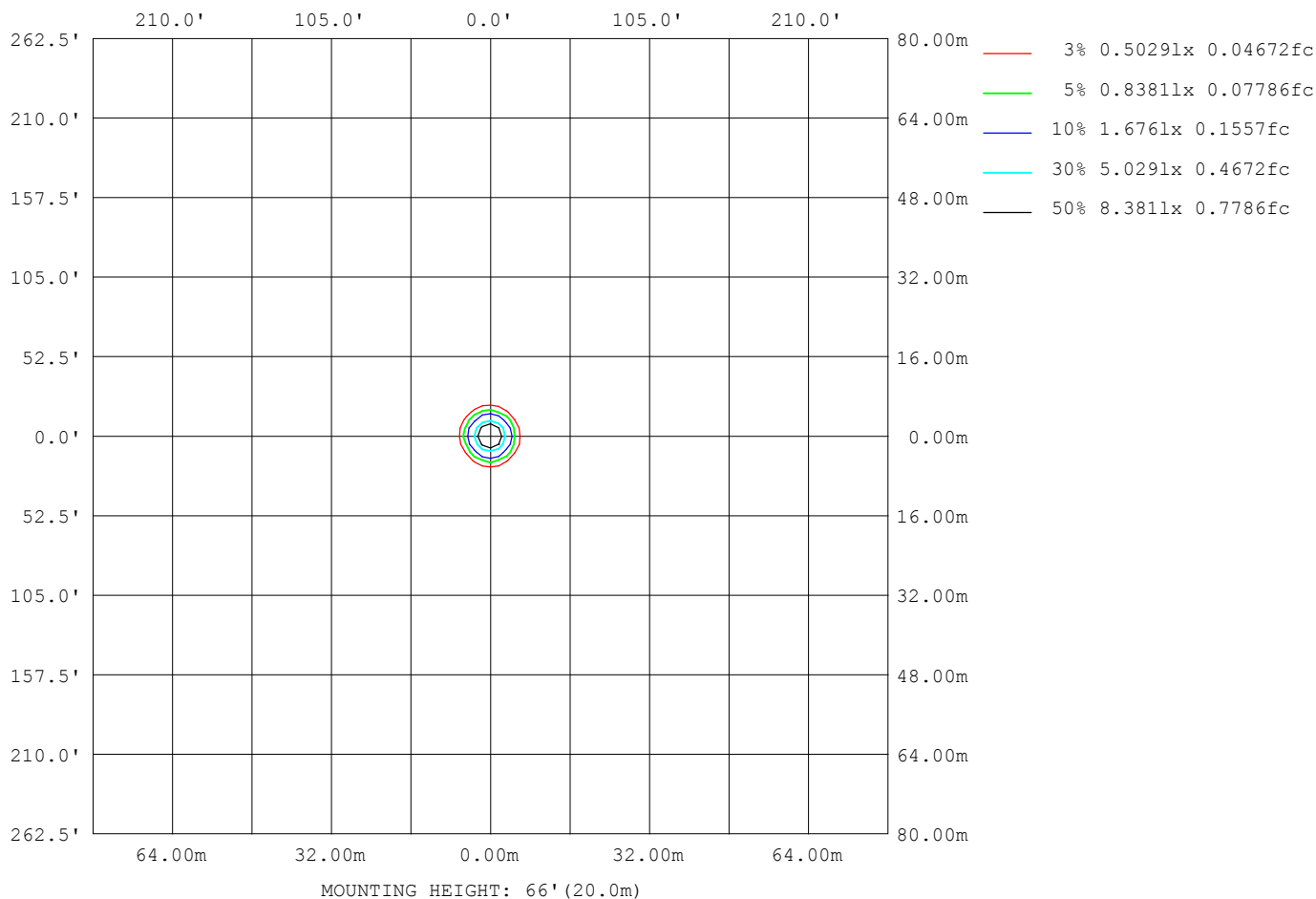
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:28 September 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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm		
NAME: SLDL284F-1530P-BGDD15	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 September 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:229.90V I:0.0300A P:6.6000W PF:0.9560 Freq:50.00Hz Lamp Flux:482.637x1 lm		
NAME: SLDL284F-1530P-BGDD15	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

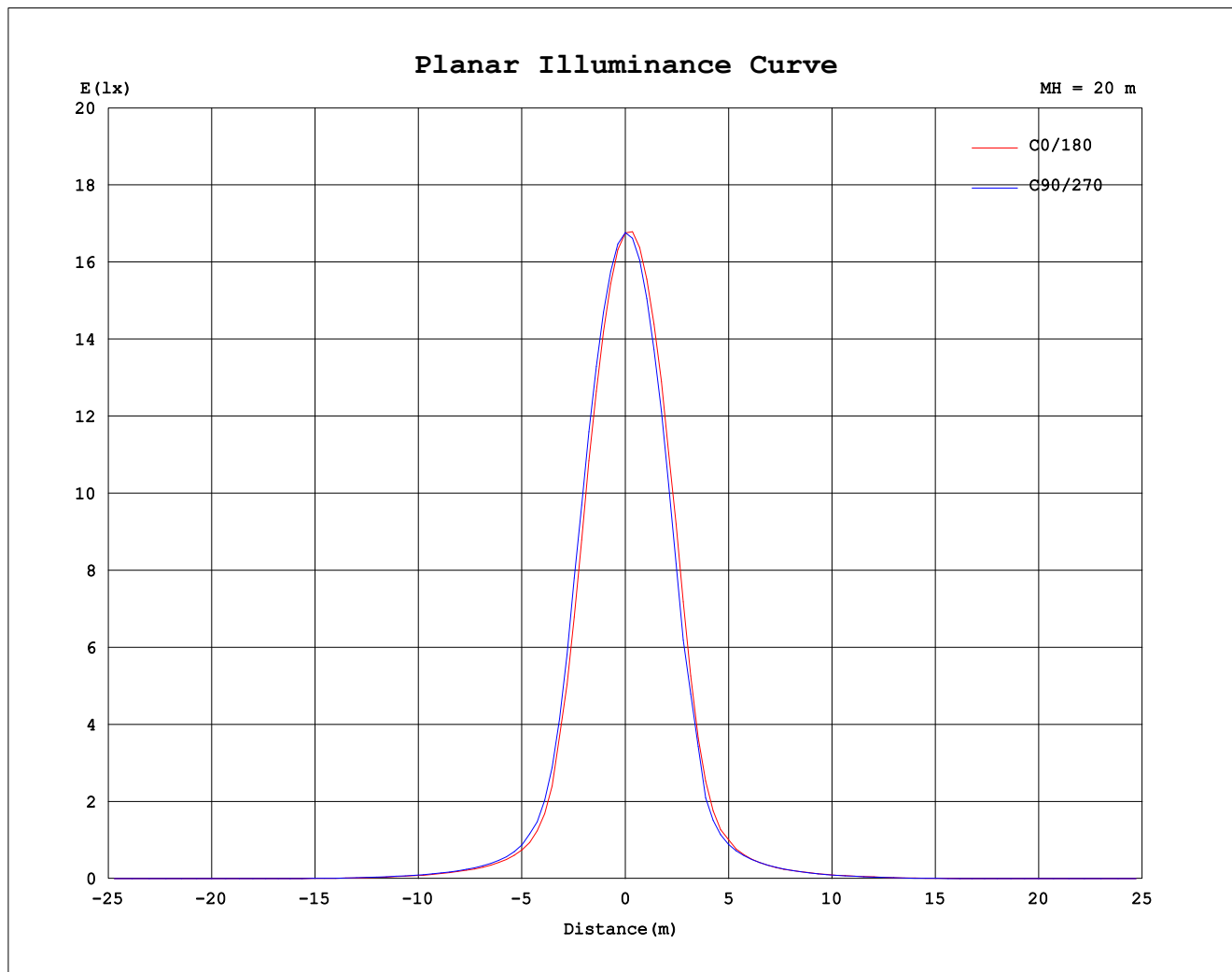
AvgL	cd/m2
L_0~180 (65) av	1249
L_0~180 (75) av	789
L_0~180 (85) av	431
L_90~270 (65) av	1204
L_90~270 (75) av	737
L_90~270 (85) av	365
L_45 (65) av	1194
L_45 (75) av	739
L_45 (85) av	354

Standard: GB/T 29293-2012

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

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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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