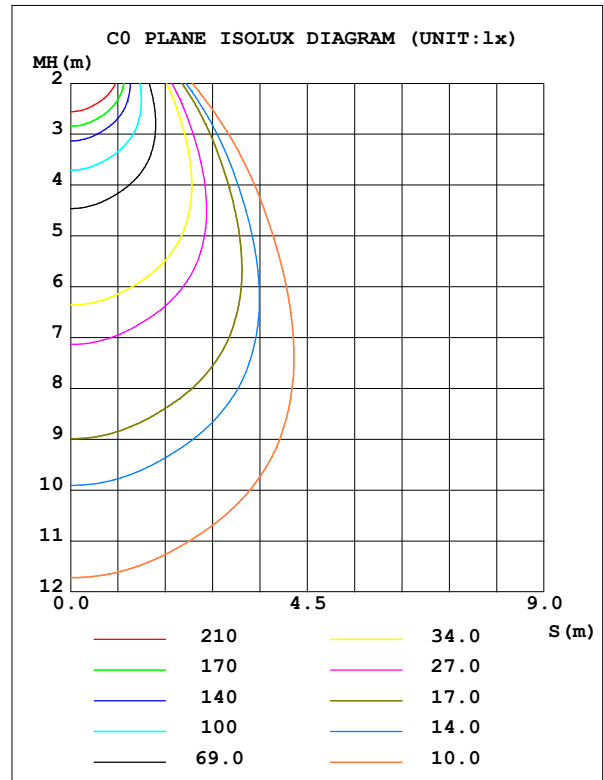
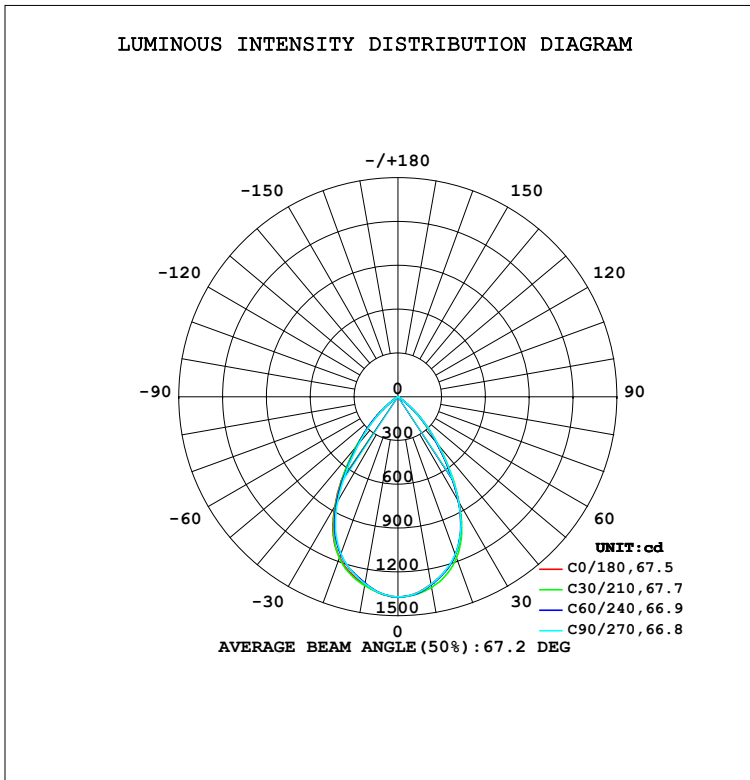


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm		
NAME: SLCD121F-60S3P-TWD62-WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.74 lm/W
MODEL		I _{max} (cd)	1371	S/MH (C0/180)		1.01
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)		0.99
RATED VOLTAGE (V)	230V	TOTAL FLUX (lm)	1578.8	η UP,DN (C0-180)		0.0,50.1
NOMINAL FLUX (lm)	1578.8	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,49.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		1.00
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:Jon
 Test Date:18 October 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:

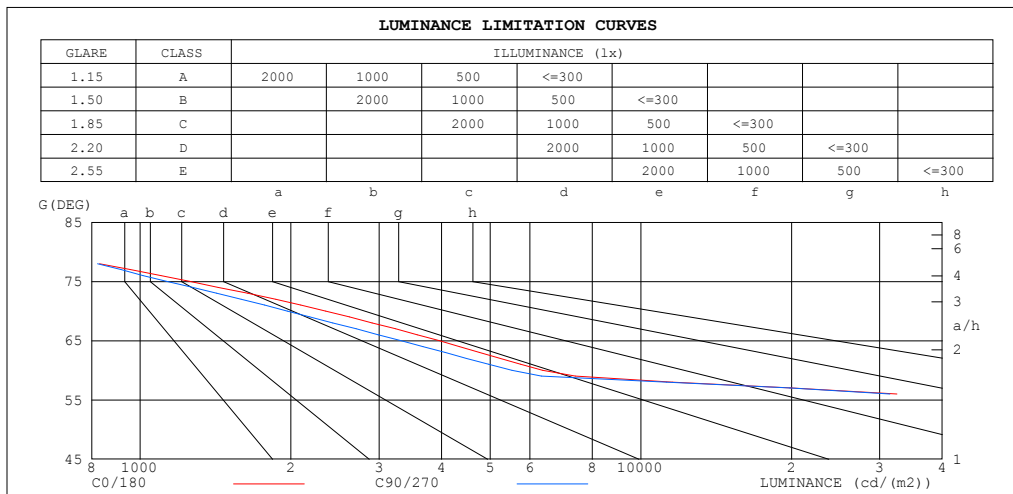
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1304	1318	1305	1302	1308	1305	1300	1296	0- 10	127.6	127.6	8.08,8.08
20	1152	1162	1149	1158	1171	1162	1143	1140	10- 20	348.7	476.3	30.2,30.2
30	830.7	835.1	834.8	851.9	866.8	849.2	826.7	817.9	20- 30	465.1	941.4	59.6,59.6
40	413.4	422.3	425.7	442.4	444.8	435.9	414.2	411.8	30- 40	388.6	1330	84.2,84.2
50	122.4	128.2	135.1	141.1	141.4	136.6	128.9	124.4	40- 50	205.5	1536	97.3,97.3
60	3.991	3.480	3.474	4.269	4.219	3.814	3.724	4.002	50- 60	40.61	1576	99.8,99.8
70	1.006	0.8628	0.8457	1.048	1.045	0.9714	0.9524	1.022	60- 70	2.108	1578	100,100
80	0.1376	0.1332	0.1483	0.1799	0.1491	0.1361	0.1265	0.1153	70- 80	0.4808	1579	100,100
90	0.0014	0.0014	0.0015	0.0080	0.0116	0.0040	0	0	80- 90	0.0674	1579	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:Jon
Test Date:18 October 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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm		
NAME: SLCD121F-60S3P-TWD62-WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	791	705
80	632	680
75	1256	1129
70	2348	1968
65	3952	3313
60	6369	5529
55	44404	46402
50	151995	167210
45	288418	304730

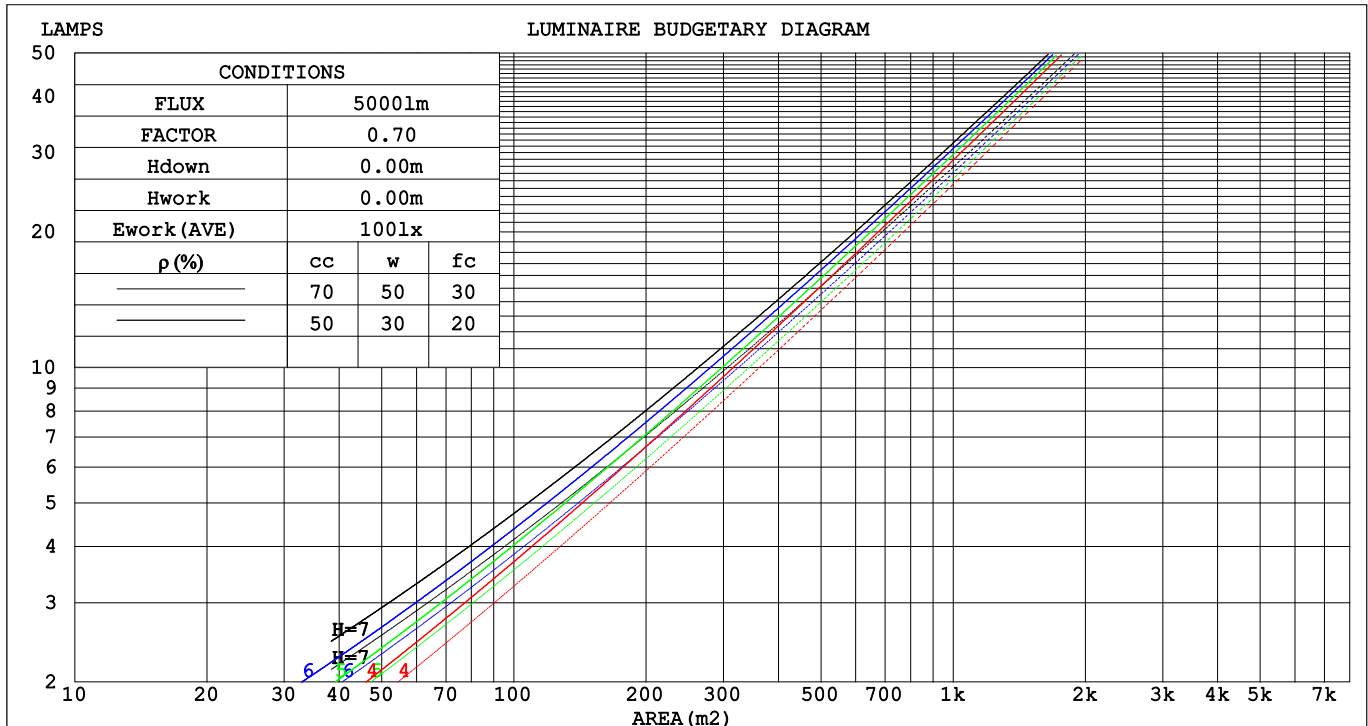
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jon
 Test Date:18 October 2021

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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm		
NAME: SLCD121F-60S3P-TWD62-WW	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:Jon
Test Date:18 October 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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm																	
NAME: SLCD121F-60S3P-TWD62-WW									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	.104	.033	.170	.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	.163	.088	.027	.154	.084	.026	.146	.081	.025	
4.0	.169	.088	.026	.165	.086	.025	.157	.083	.025	.149	.080	.024	.142	.077	.024	
5.0	.161	.082	.024	.158	.081	.024	.151	.078	.023	.144	.076	.023	.138	.074	.022	
6.0	.154	.077	.022	.151	.076	.022	.145	.074	.022	.139	.072	.021	.133	.070	.021	
7.0	.147	.073	.021	.144	.072	.021	.139	.070	.020	.134	.069	.020	.129	.067	.020	
8.0	.141	.069	.019	.138	.068	.019	.133	.067	.019	.129	.065	.019	.124	.064	.019	
9.0	.135	.065	.018	.132	.065	.018	.128	.063	.018	.124	.062	.018	.120	.061	.018	
10.0	.129	.062	.017	.127	.061	.017	.123	.060	.017	.119	.059	.017	.116	.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	.147	.114	.087	.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	.057	.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	.017	.014	.009	.006		
7.0	.116	.071	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005		
8.0	.110	.065	.034	.095	.057	.030	.066	.040	.021	.038	.023	.013	.012	.008	.004		
9.0	.105	.060	.030	.091	.052	.026	.063	.037	.018	.037	.022	.011	.012	.007	.004		
10.0	.101	.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:Jon
Test Date:18 October 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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm											
NAME: SLCD121F-60S3P-TWD62-WW					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	26.4	27.4	26.6	27.6	27.8	26.4	27.5	26.7	27.7	27.8
	3H	26.2	27.1	26.5	27.4	27.6	26.3	27.2	26.5	27.4	27.6
	4H	26.1	27.0	26.4	27.2	27.5	26.2	27.1	26.4	27.3	27.5
	6H	26.0	26.9	26.3	27.1	27.4	26.1	26.9	26.4	27.2	27.4
	8H	26.0	26.8	26.3	27.0	27.3	26.0	26.8	26.3	27.1	27.4
	12H	25.9	26.7	26.2	27.0	27.2	26.0	26.8	26.3	27.0	27.3
4H	2H	26.1	27.0	26.4	27.2	27.5	26.2	27.1	26.5	27.3	27.5
	3H	25.9	26.7	26.3	27.0	27.3	26.0	26.8	26.3	27.0	27.3
	4H	25.8	26.5	26.2	26.8	27.1	25.9	26.6	26.2	26.9	27.2
	6H	25.7	26.4	26.1	26.7	27.0	25.8	26.4	26.2	26.8	27.1
	8H	25.7	26.3	26.1	26.6	27.0	25.8	26.3	26.1	26.7	27.0
	12H	25.6	26.2	26.1	26.5	26.9	25.7	26.2	26.1	26.6	27.0
8H	4H	25.7	26.3	26.1	26.6	27.0	25.8	26.3	26.1	26.7	27.0
	6H	25.6	26.1	26.0	26.4	26.9	25.7	26.1	26.1	26.5	26.9
	8H	25.5	25.9	26.0	26.4	26.8	25.6	26.0	26.1	26.4	26.9
	12H	25.5	25.8	26.0	26.3	26.7	25.6	25.9	26.0	26.3	26.8
12H	4H	25.6	26.2	26.1	26.5	26.9	25.7	26.2	26.1	26.6	27.0
	6H	25.5	25.9	26.0	26.4	26.8	25.6	26.0	26.1	26.4	26.9
	8H	25.5	25.8	26.0	26.3	26.7	25.6	25.9	26.0	26.3	26.8
Variations with the observer position at spacings:											
S = 1.0H		+ 2.6 / -18.5					+ 2.5 / -17.8				
1.5H		+ 3.4 / -10.9					+ 3.4 / -10.9				
2.0H		+ 6.5 / -20.5					+ 6.4 / -21.1				

CIE Pub.117, 1579 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jon
Test Date:18 October 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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm		
NAME: SLCD121F-60S3P-TWD62-WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

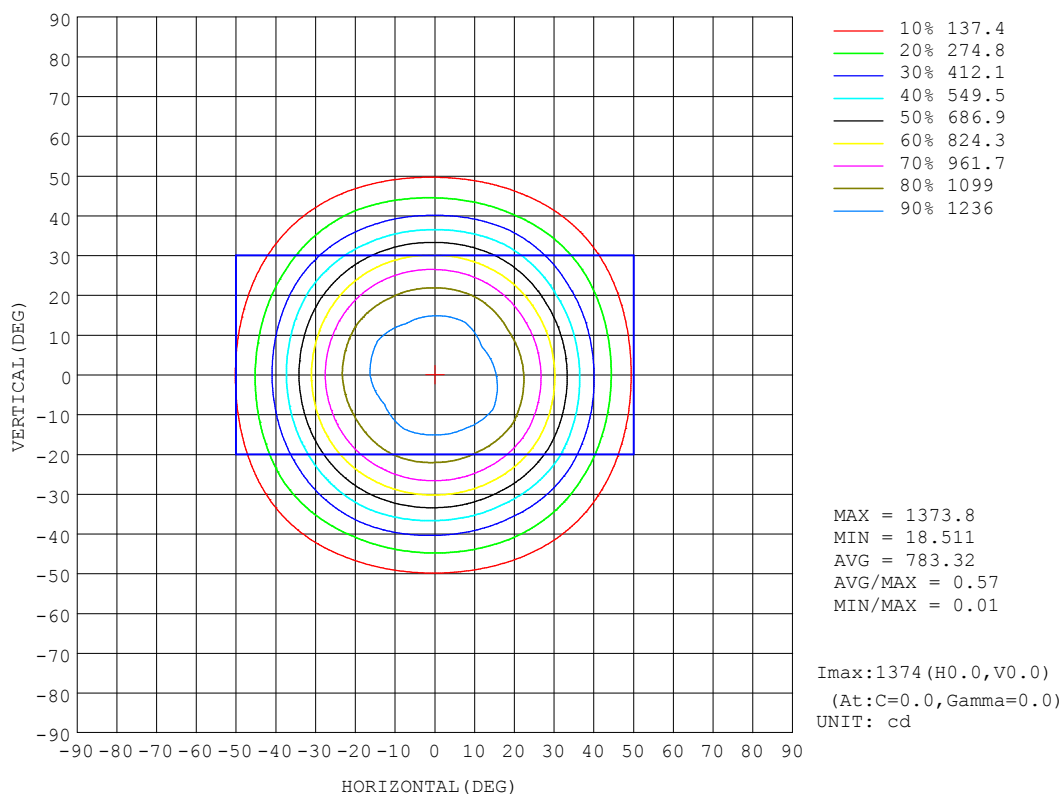
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	70	81	74	70	80	73	69	65
0.80	90	83	79	89	83	79	88	82	78	74
1.00	96	89	85	95	89	85	93	89	84	80
1.25	101	95	91	99	94	90	97	93	90	85
1.50	104	98	95	102	98	94	100	96	93	88
2.00	107	103	99	106	101	98	103	100	97	91
2.50	109	105	101	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	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:Jon
Test Date:18 October 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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm		
NAME: SLCD121F-60S3P-TWD62-WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

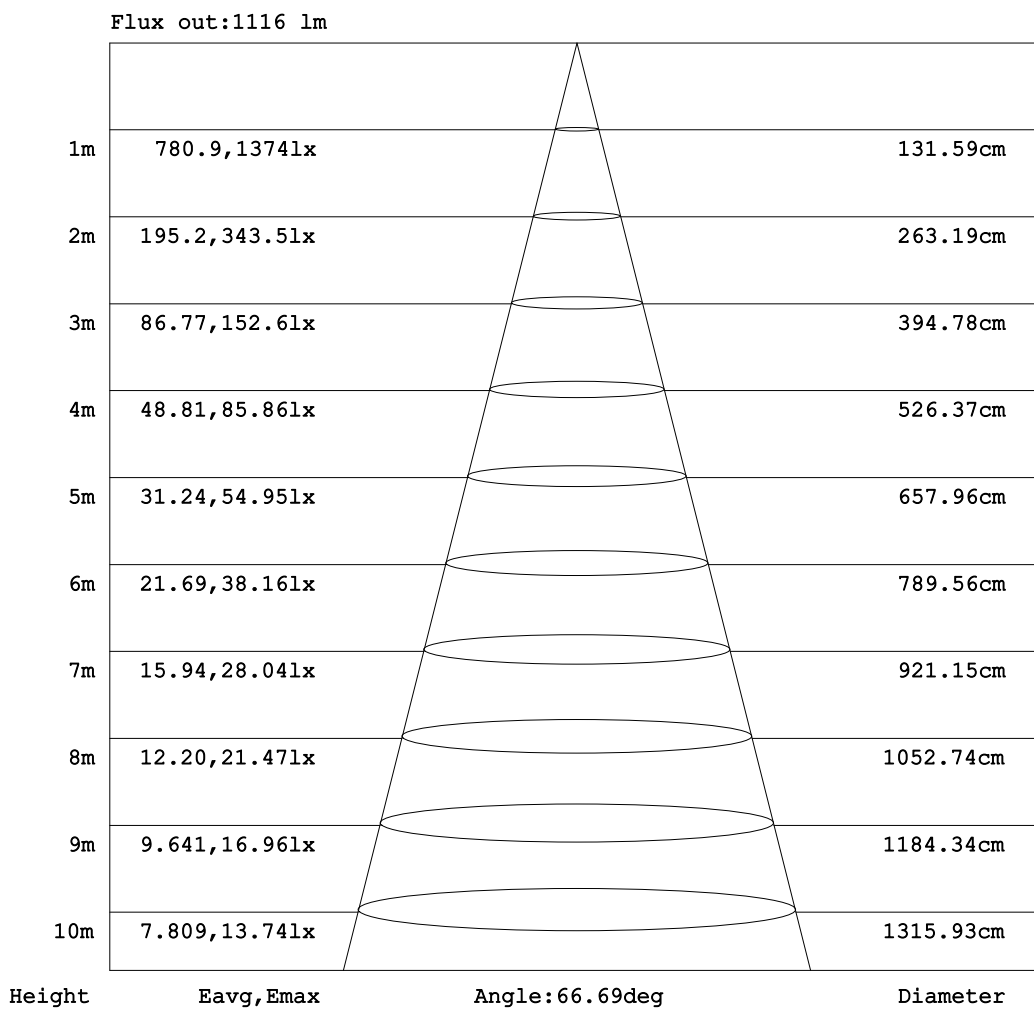


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jon
 Test Date:18 October 2021

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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm		
NAME: SLCD121F-60S3P-TWD62-WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



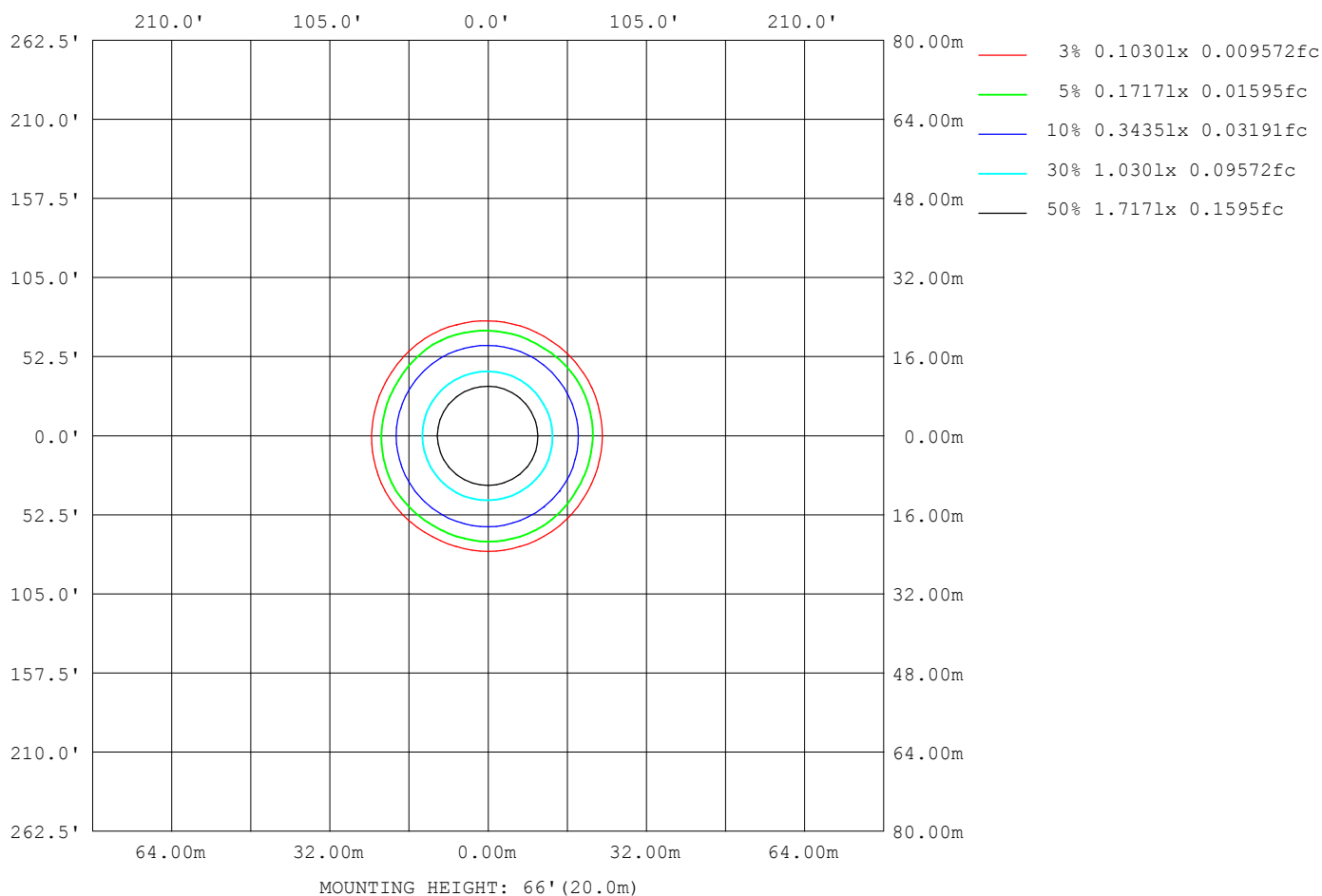
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jon
 Test Date:18 October 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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm		
NAME: SLCD121F-60S3P-TWD62-WW	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:Jon
Test Date:18 October 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:229.90V I:0.0800A P:17.400W PF:0.9480 Freq:50.00Hz Lamp Flux:1578.8x1 lm		
NAME: SLCD121F-60S3P-TWD62-WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

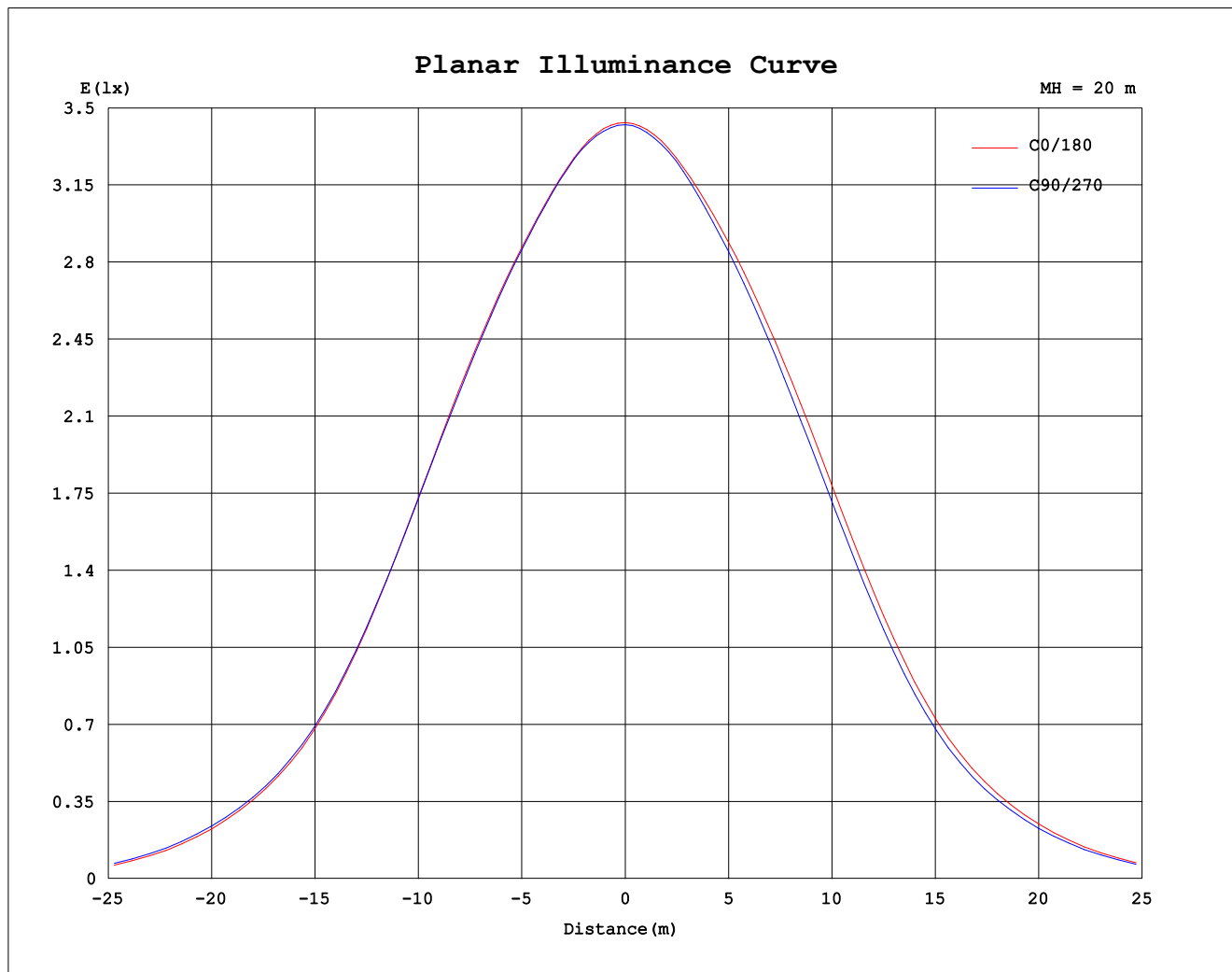
AvgL	cd/m2
L_0~180 (65) av	3987
L_0~180 (75) av	1308
L_0~180 (85) av	632
L_90~270 (65) av	3511
L_90~270 (75) av	1169
L_90~270 (85) av	563
L_45 (65) av	3812
L_45 (75) av	1253
L_45 (85) av	607

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jon
Test Date:18 October 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: Jon
 Test Date: 18 October 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:

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