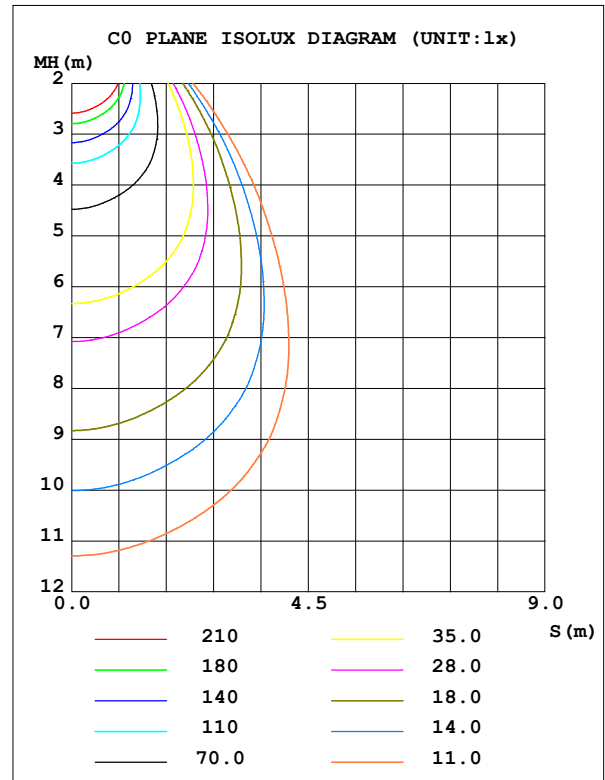
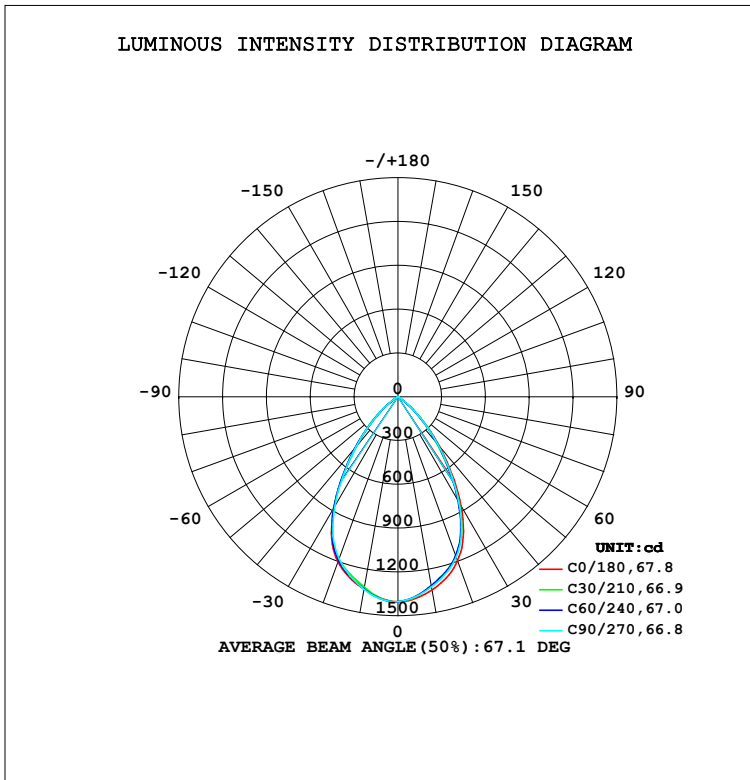


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm		
NAME: SLCD121F-60S3P-TWD62-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.11 lm/W
MODEL		I <sub>max</sub> (cd)	1405	S/MH (C0/180)		1.00
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)		1.00
RATED VOLTAGE (V)	230V	TOTAL FLUX (lm)	1618.7	η UP,DN (C0-180)		0.0,49.3
NOMINAL FLUX (lm)	1618.75	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,50.7
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:

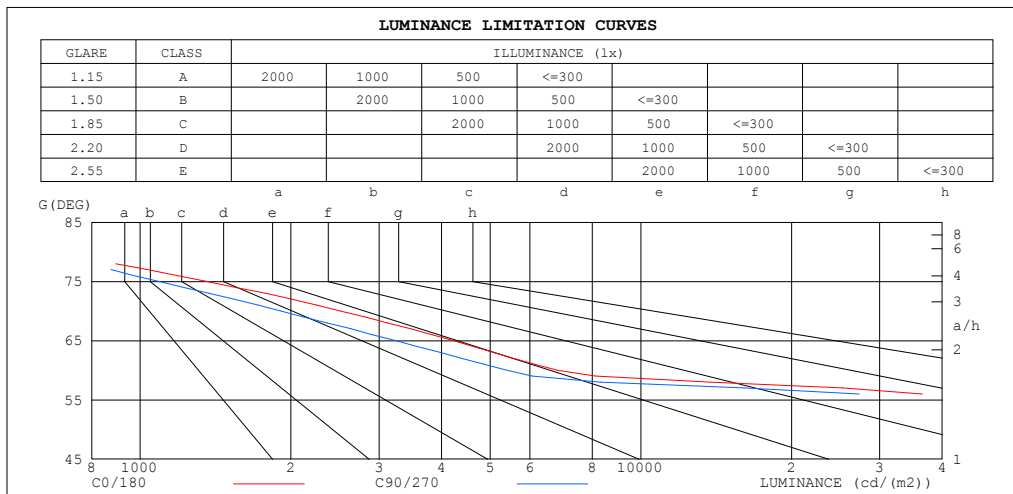
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1344	1313	1322	1325	1338	1331	1339	1344	0- 10	130.3	130.3	8.05,8.05
20	1195	1159	1168	1183	1203	1188	1181	1187	10- 20	355.9	486.2	30,30
30	866.7	833.8	835.8	859.6	881.6	881.1	866.3	866.9	20- 30	477.1	963.3	59.5,59.5
40	440.0	416.2	424.5	433.4	452.2	450.2	447.2	439.7	30- 40	397.9	1361	84.1,84.1
50	136.0	128.0	128.2	136.2	140.4	148.4	145.9	144.6	40- 50	211.9	1573	97.2,97.2
60	4.288	3.514	3.394	4.122	4.223	4.126	4.311	4.493	50- 60	42.86	1616	99.8,99.8
70	1.082	0.8739	0.8220	1.021	1.052	1.043	1.069	1.149	60- 70	2.201	1618	100,100
80	0.1488	0.1319	0.1403	0.1691	0.1459	0.1489	0.1496	0.1379	70- 80	0.5031	1619	100,100
90	0.0044	0.0015	0.0015	0.0051	0.0094	0.0069	0.0029	0.0007	80- 90	0.0691	1619	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

$\gamma$  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:229.90V I:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm		
NAME: SLCD121F-60S3P-TWD62-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	837	593
80	682	643
75	1357	1089
70	2518	1914
65	4220	3234
60	6827	5406
55	54009	42267
50	168409	158855
45	300174	288877

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:

```

### WEC AND CCEC

Test:U:229.90V I:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm																	
NAME: SLCD121F-60S3P-TWD62-CW									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	.179	.098	.030	.168	.093	.029	.158	.089	.028	.149	.084	.027	
3.0	.177	.094	.028	.172	.092	.028	.163	.088	.027	.154	.085	.026	.146	.081	.025	
4.0	.169	.088	.026	.165	.086	.026	.157	.083	.025	.149	.080	.024	.143	.077	.024	
5.0	.162	.082	.024	.158	.081	.024	.151	.079	.023	.144	.076	.023	.138	.074	.022	
6.0	.154	.077	.022	.151	.076	.022	.145	.074	.022	.139	.072	.021	.134	.070	.021	
7.0	.148	.073	.021	.145	.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	.133	.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	.111	.065	.034	.095	.057	.030	.066	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.106	.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:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm											
NAME: SLCD121F-60S3P-TWD62-CW					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	26.3	27.4	26.6	27.5	27.7	26.2	27.2	26.4	27.4	27.6
	3H	26.1	27.1	26.4	27.3	27.5	26.0	27.0	26.3	27.2	27.4
	4H	26.0	27.0	26.3	27.2	27.4	25.9	26.8	26.2	27.0	27.3
	6H	26.0	26.8	26.3	27.0	27.3	25.8	26.7	26.1	26.9	27.2
	8H	25.9	26.7	26.2	27.0	27.2	25.8	26.6	26.1	26.8	27.1
	12H	25.9	26.6	26.2	26.9	27.2	25.7	26.5	26.1	26.8	27.1
4H	2H	26.1	27.0	26.3	27.2	27.4	25.9	26.8	26.2	27.1	27.3
	3H	25.9	26.7	26.2	26.9	27.2	25.7	26.5	26.1	26.8	27.1
	4H	25.8	26.5	26.1	26.8	27.1	25.6	26.3	26.0	26.6	27.0
	6H	25.7	26.3	26.1	26.6	27.0	25.5	26.2	25.9	26.5	26.8
	8H	25.6	26.2	26.0	26.6	26.9	25.5	26.1	25.9	26.4	26.8
	12H	25.6	26.1	26.0	26.5	26.9	25.5	26.0	25.9	26.3	26.7
8H	4H	25.6	26.2	26.0	26.6	26.9	25.5	26.1	25.9	26.4	26.8
	6H	25.5	26.0	26.0	26.4	26.8	25.4	25.9	25.8	26.3	26.7
	8H	25.5	25.9	25.9	26.3	26.8	25.4	25.8	25.8	26.2	26.6
	12H	25.4	25.8	25.9	26.2	26.7	25.3	25.6	25.8	26.1	26.6
12H	4H	25.6	26.1	26.0	26.5	26.9	25.5	26.0	25.9	26.3	26.7
	6H	25.5	25.9	25.9	26.3	26.8	25.4	25.8	25.8	26.2	26.6
	8H	25.4	25.8	25.9	26.2	26.7	25.3	25.6	25.8	26.1	26.6
Variations with the observer position at spacings:											
S = 1.0H		+ 2.6 / -18.2					+ 2.6 / -19.6				
1.5H		+ 3.6 / -12.4					+ 3.5 / -10.4				
2.0H		+ 6.3 / -20.7					+ 6.4 / -20.8				

CIE Pub.117, 1619 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)

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:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm		
NAME: SLCD121F-60S3P-TWD62-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

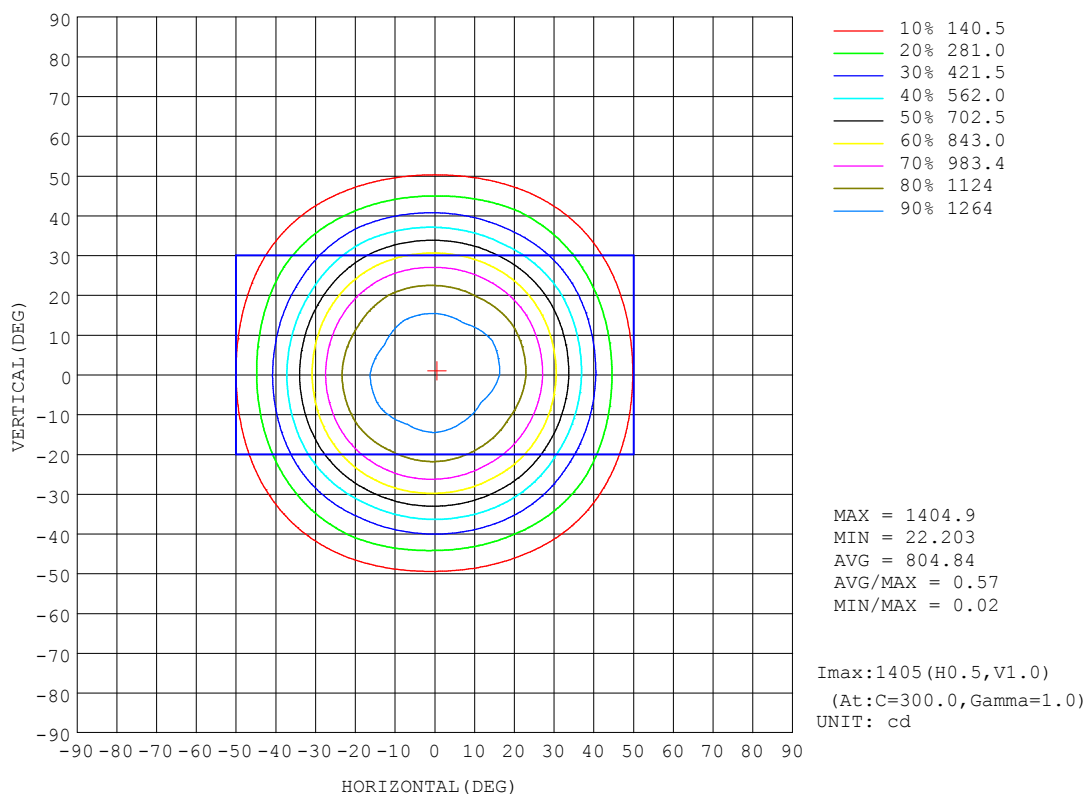
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	69	81	74	69	80	73	69	65
0.80	90	83	79	89	83	78	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	99	97	91
2.50	109	105	101	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	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

$\gamma$  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:229.90V I:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm		
NAME: SLCD121F-60S3P-TWD62-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

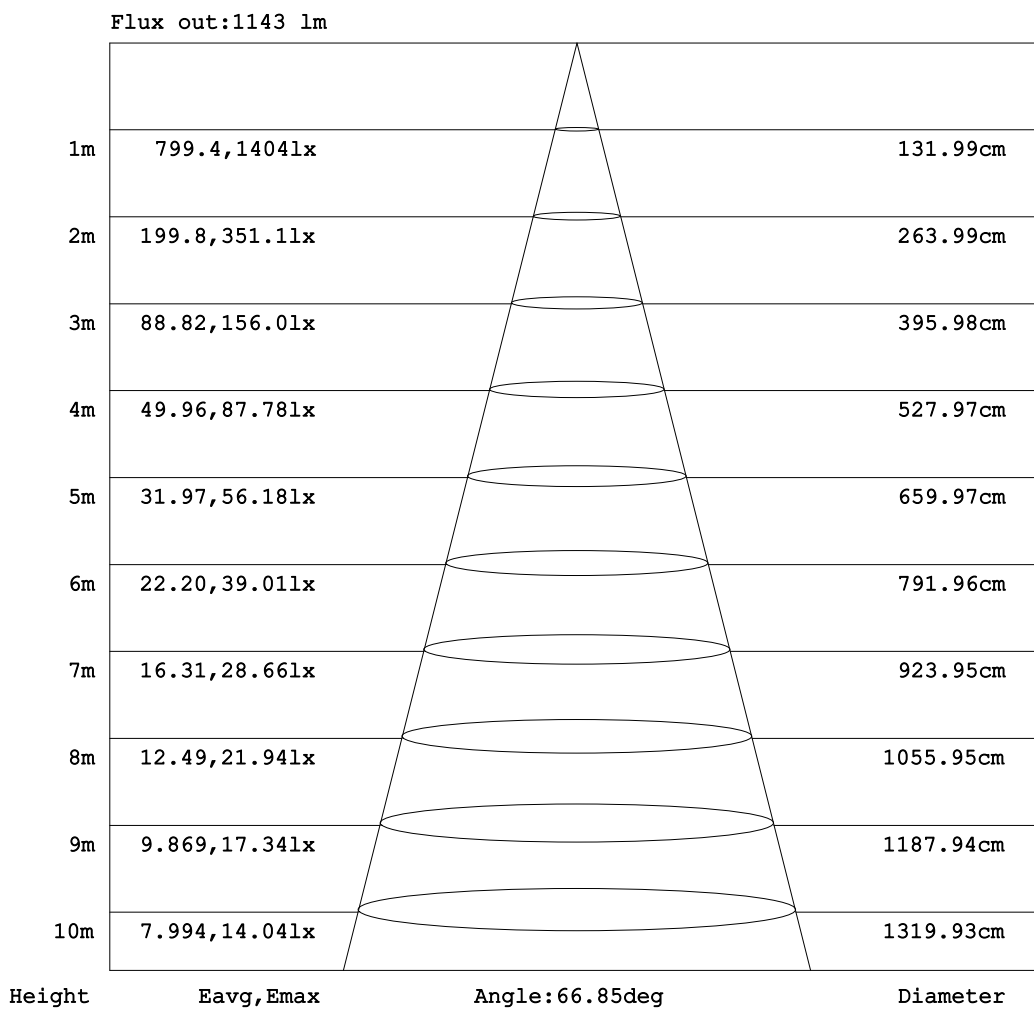


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jon  
Test Date:18 October 2021

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:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm		
NAME: SLCD121F-60S3P-TWD62-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



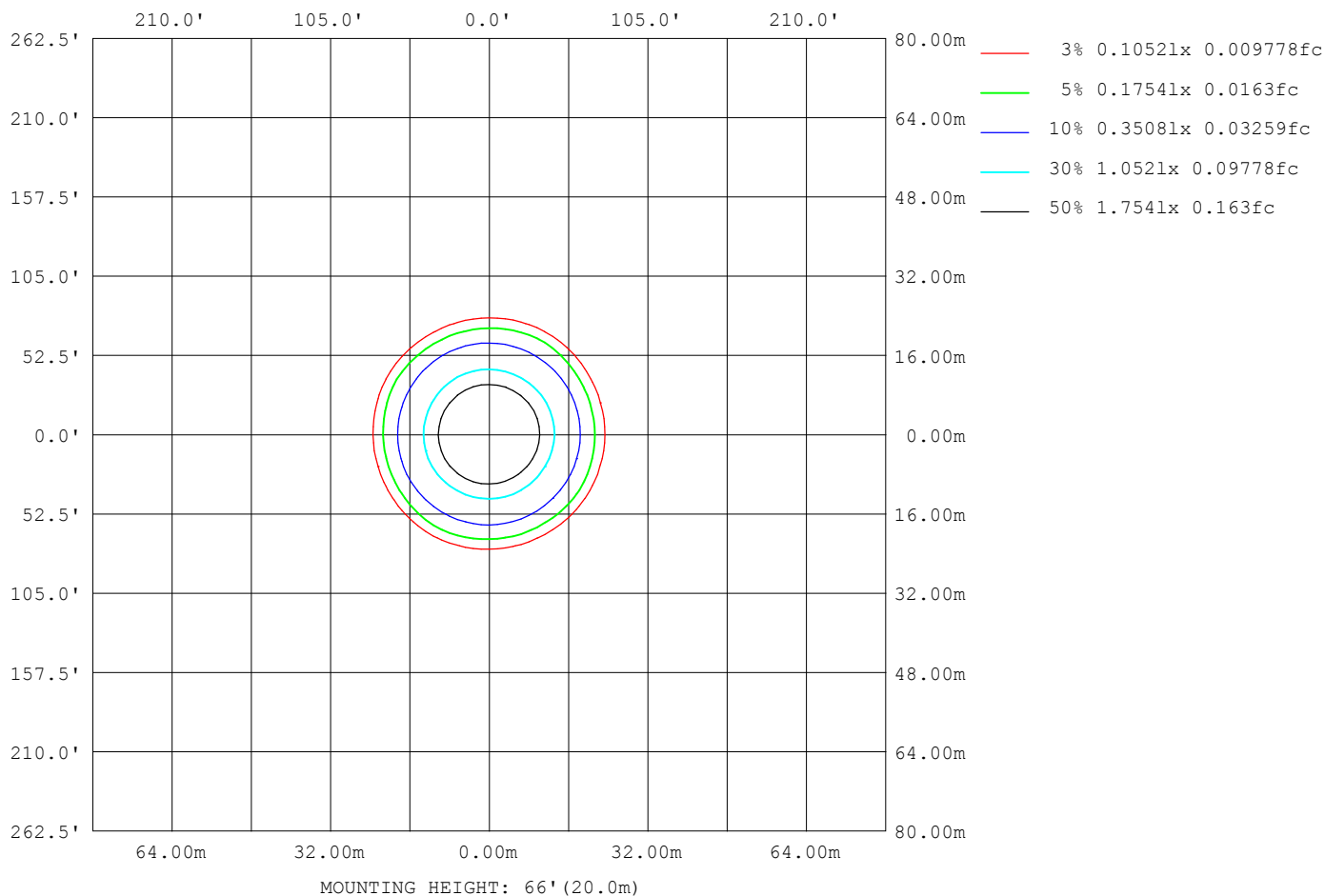
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm		
NAME: SLCD121F-60S3P-TWD62-CW	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:0.0790A P:17.200W PF:0.9460 Freq:50.00Hz Lamp Flux:1618.75x1 lm		
NAME: SLCD121F-60S3P-TWD62-CW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

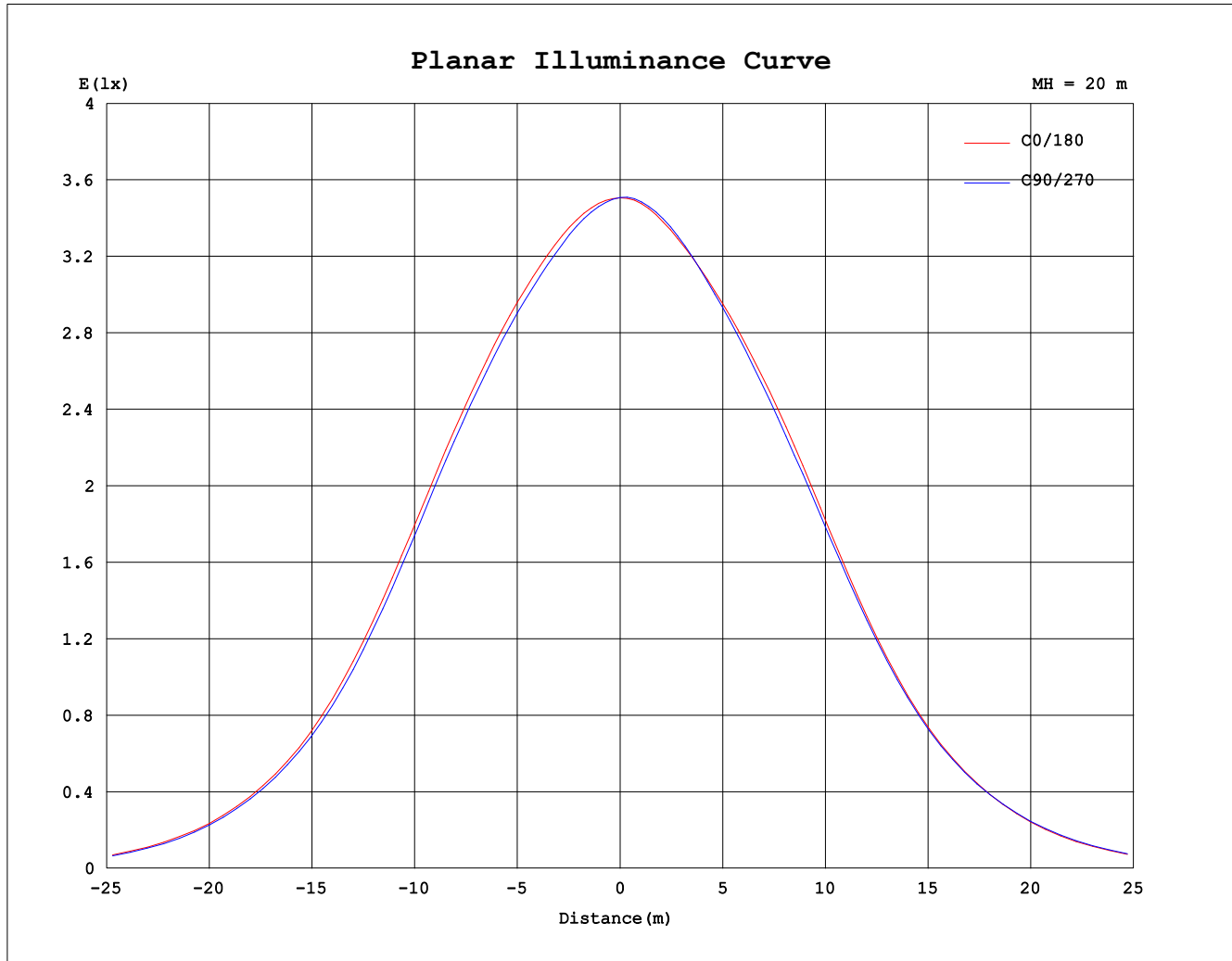
AvgL	cd/m2
L_0~180 (65) av	4142
L_0~180 (75) av	1360
L_0~180 (85) av	656
L_90~270 (65) av	3682
L_90~270 (75) av	1238
L_90~270 (85) av	539
L_45 (65) av	3973
L_45 (75) av	1312
L_45 (85) av	598

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

$\gamma$  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:

```