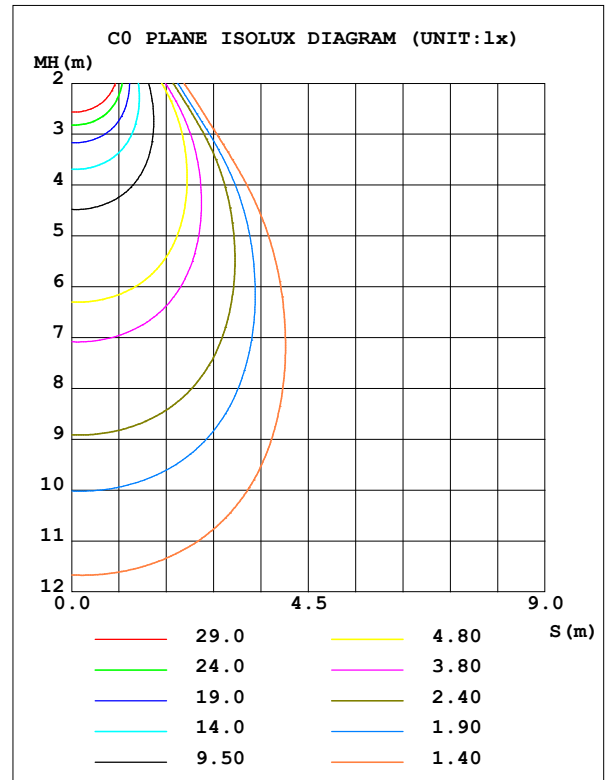
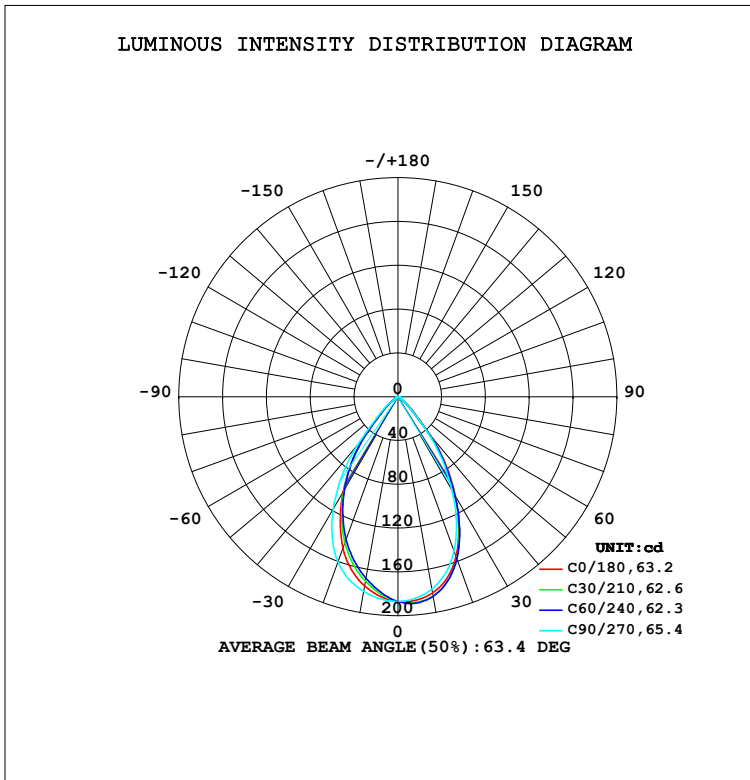


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm		
NAME: SLDL624F-6030C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.03 lm/W
MODEL		I <sub>max</sub> (cd)	189.1	S/MH (C0/180)		0.93
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)		1.02
RATED VOLTAGE (V)		TOTAL FLUX (lm)	200.04	η UP,DN (C0-180)		0.0,49.2
NOMINAL FLUX (lm)	200.038	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,50.8
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:Jason  
Test Date:10 August 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:

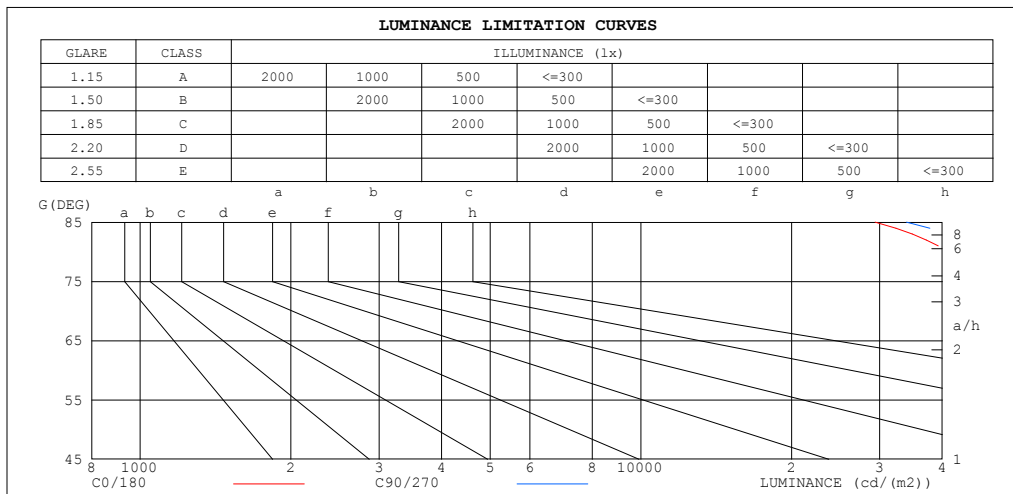
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	181.9	185.0	178.3	179.7	175.5	169.7	180.5	178.2	0- 10	17.43	17.43	8.71,8.71
20	155.2	157.4	150.0	152.4	146.9	140.2	160.4	155.4	10- 20	46.90	64.33	32.2,32.2
30	104.8	104.2	98.86	101.5	99.99	98.37	118.2	114.1	20- 30	59.40	123.7	61.9,61.9
40	47.03	44.08	42.22	43.27	46.37	47.52	57.32	54.15	30- 40	47.65	171.4	85.7,85.7
50	11.85	10.18	10.19	10.32	11.91	13.12	15.08	14.55	40- 50	18.90	190.3	95.1,95.1
60	2.698	2.844	3.469	3.278	2.921	2.943	2.682	2.672	50- 60	4.942	195.2	97.6,97.6
70	2.120	2.239	2.690	2.585	2.293	2.290	2.105	2.089	60- 70	2.598	197.8	98.9,98.9
80	0.9244	0.9603	1.126	1.137	0.9764	0.9859	0.9372	0.9046	70- 80	1.769	199.6	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	0.4419	200.0	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:10 August 2020

$\gamma$  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:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm		
NAME: SLDL624F-6030C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	29396	33934
80	40907	48054
75	46703	55490
70	47642	58296
65	43907	54415
60	41465	51430
55	50769	56984
50	141650	117508
45	240756	192887

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:10 August 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:

```

### WEC AND CCEC

Test:U:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm																	
NAME: SLDL624F-6030C-N 700mA									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	.196	.111	.035	.189	.108	.034	.176	.101	.032	.164	.095	.030	.154	.089	.029	
2.0	.188	.103	.032	.182	.100	.031	.171	.095	.030	.161	.090	.028	.152	.086	.027	
3.0	.178	.095	.028	.174	.093	.028	.164	.089	.027	.156	.085	.026	.148	.082	.025	
4.0	.170	.088	.026	.165	.086	.026	.157	.083	.025	.150	.080	.024	.143	.078	.024	
5.0	.161	.082	.024	.157	.081	.024	.150	.078	.023	.144	.076	.023	.138	.074	.022	
6.0	.153	.077	.022	.150	.076	.022	.144	.074	.021	.138	.072	.021	.133	.070	.021	
7.0	.146	.072	.020	.143	.071	.020	.138	.070	.020	.133	.068	.020	.128	.066	.020	
8.0	.140	.068	.019	.137	.067	.019	.132	.066	.019	.127	.065	.019	.123	.063	.018	
9.0	.133	.064	.018	.131	.064	.018	.127	.063	.018	.122	.061	.018	.118	.060	.017	
10.0	.128	.061	.017	.125	.061	.017	.121	.059	.017	.118	.058	.017	.114	.057	.016	

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	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016		
2.0	.158	.132	.111	.136	.114	.096	.093	.079	.067	.054	.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	.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	.065	.040	.021	.038	.023	.013	.012	.008	.004		
9.0	.105	.060	.030	.090	.052	.026	.063	.037	.019	.036	.022	.011	.012	.007	.004		
10.0	.100	.056	.026	.086	.048	.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:10 August 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:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm											
NAME: SLDL624F-6030C-N 700mA					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		33.1	34.2	33.3	34.3	34.5	32.8	33.8	33.0	34.0	34.2
	3H	33.1	34.1	33.4	34.3	34.5	32.9	33.8	33.1	34.0	34.3
	4H	33.2	34.1	33.4	34.3	34.5	33.0	33.9	33.3	34.1	34.3
	6H	33.2	34.0	33.5	34.3	34.5	33.0	33.9	33.3	34.1	34.4
	8H	33.2	34.0	33.5	34.2	34.5	33.0	33.8	33.3	34.1	34.4
	12H	33.1	33.9	33.5	34.2	34.5	33.0	33.8	33.3	34.1	34.4
4H	2H	32.9	33.8	33.2	34.1	34.3	32.6	33.5	32.9	33.7	34.0
	3H	33.0	33.8	33.4	34.1	34.4	32.8	33.6	33.1	33.9	34.1
	4H	33.1	33.8	33.5	34.1	34.4	33.0	33.7	33.3	34.0	34.3
	6H	33.2	33.8	33.6	34.2	34.5	33.1	33.7	33.5	34.1	34.4
	8H	33.2	33.8	33.6	34.1	34.5	33.2	33.7	33.6	34.1	34.5
	12H	33.2	33.7	33.6	34.1	34.5	33.2	33.7	33.6	34.1	34.5
8H	4H	33.1	33.7	33.5	34.0	34.4	33.0	33.5	33.4	33.9	34.3
	6H	33.2	33.7	33.7	34.1	34.5	33.2	33.6	33.6	34.0	34.4
	8H	33.3	33.7	33.7	34.1	34.5	33.2	33.6	33.7	34.1	34.5
	12H	33.3	33.6	33.7	34.1	34.5	33.3	33.6	33.7	34.1	34.5
12H	4H	33.1	33.6	33.5	34.0	34.4	32.9	33.4	33.3	33.8	34.2
	6H	33.2	33.6	33.7	34.0	34.5	33.1	33.6	33.6	34.0	34.4
	8H	33.3	33.6	33.7	34.1	34.5	33.2	33.6	33.7	34.0	34.5
Variations with the observer position at spacings:											
S = 1.0H	+ 2.5 / - 4.4					+ 2.1 / - 3.6					
1.5H	+ 4.3 / - 4.7					+ 3.7 / - 3.8					
2.0H	+ 4.4 / - 2.2					+ 3.2 / - 1.4					

CIE Pub.117, 200.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.6)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:10 August 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:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm		
NAME: SLDL624F-6030C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

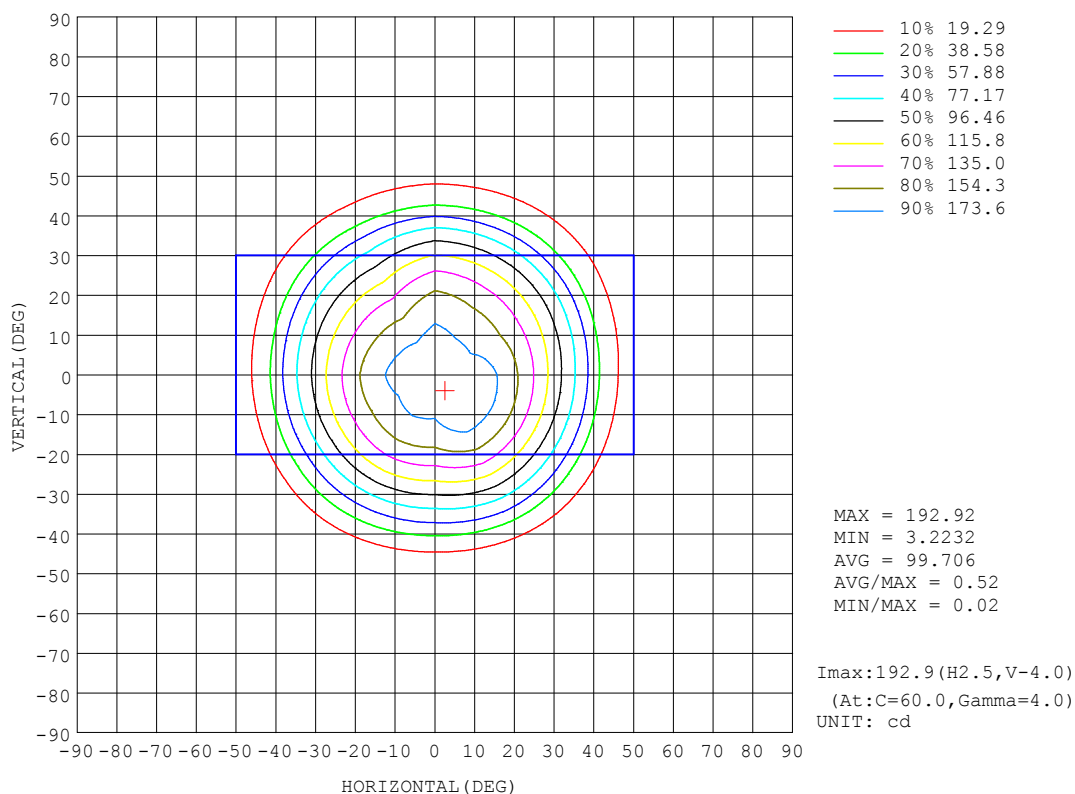
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	75	71	82	75	71	81	75	71	67
0.80	91	84	80	90	84	80	89	83	79	75
1.00	96	90	85	95	89	85	93	89	85	80
1.25	101	95	91	99	94	90	97	93	89	85
1.50	104	98	94	102	97	94	100	96	93	88
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	105	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	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:Jason  
Test Date:10 August 2020

$\gamma$  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:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm		
NAME: SLDL624F-6030C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



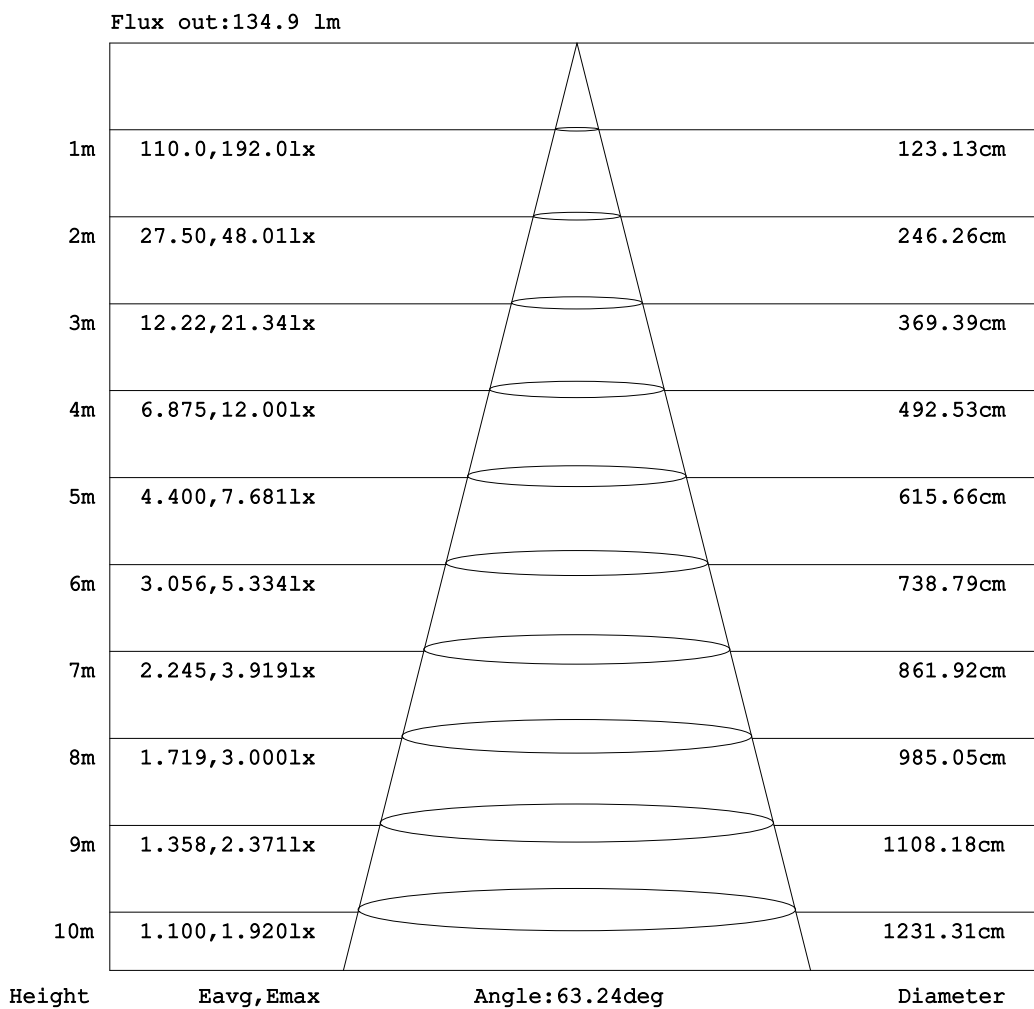
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:10 August 2020

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:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm		
NAME: SLDL624F-6030C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



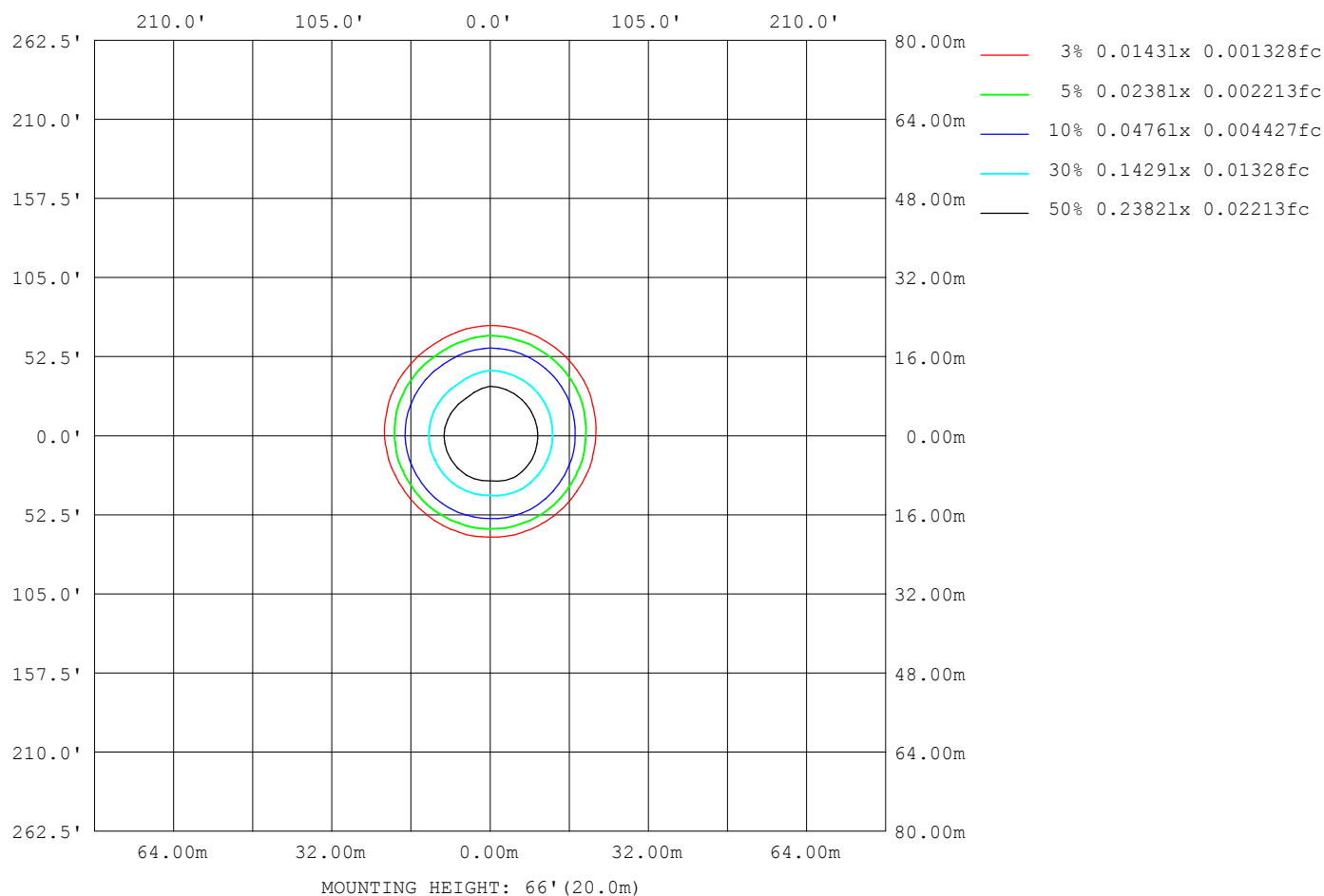
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Jason  
 Test Date: 10 August 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:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm		
NAME: SLDL624F-6030C-N 700mA	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:10 August 2020

$\gamma$  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:

### LED Avg.L Report

Test:U:3.0397V I:0.6999A P:2.1275W PF:1.0000 Freq:50.00Hz Lamp Flux:200.038x1 lm		
NAME: SLDL624F-6030C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

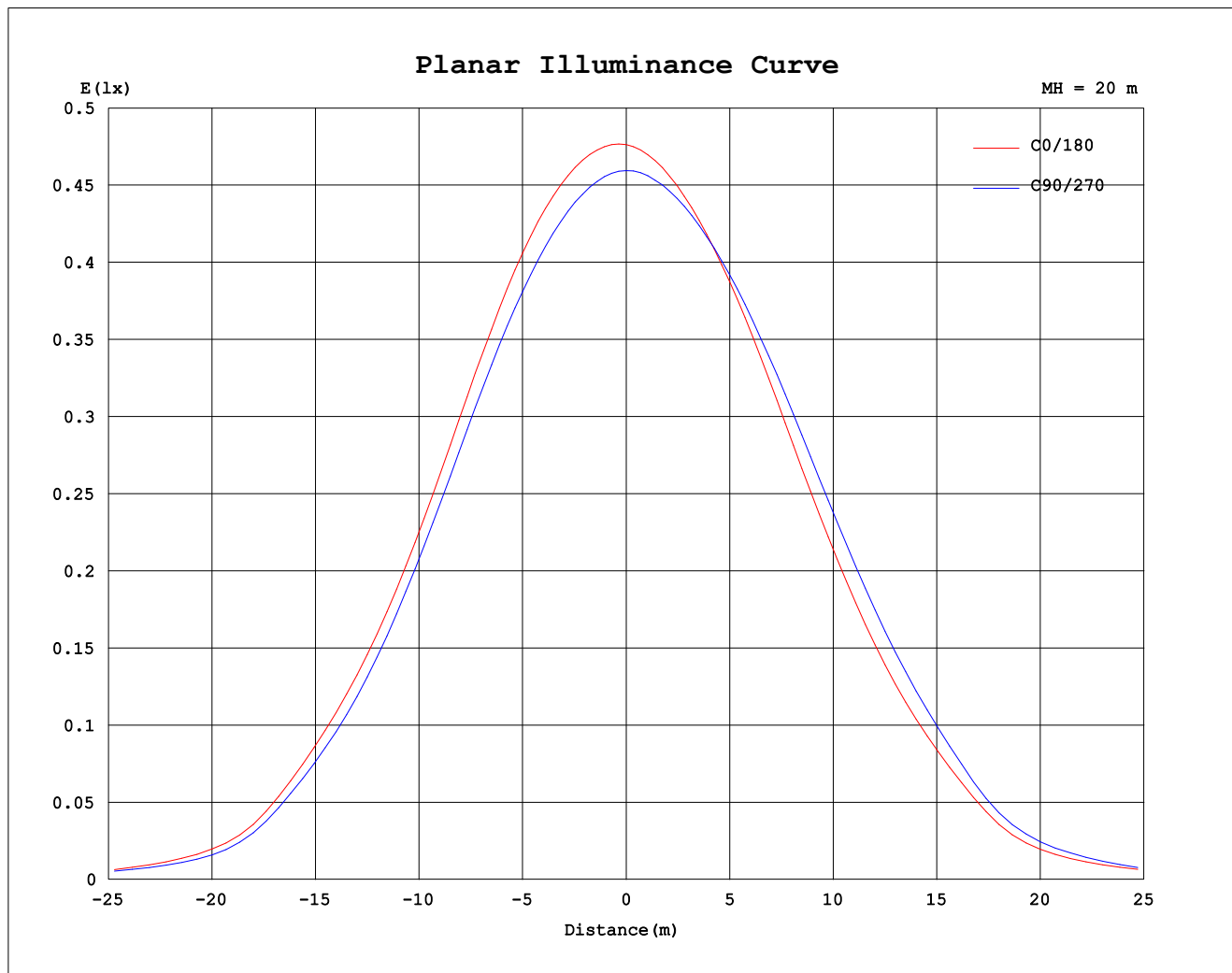
AvgL	cd/m2
L_0~180 (65) av	44835
L_0~180 (75) av	47382
L_0~180 (85) av	30102
L_90~270 (65) av	48957
L_90~270 (75) av	51085
L_90~270 (85) av	32805
L_45 (65) av	46869
L_45 (75) av	49237
L_45 (85) av	31798

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:10 August 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: 10 August 2020

$\gamma$  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:

```