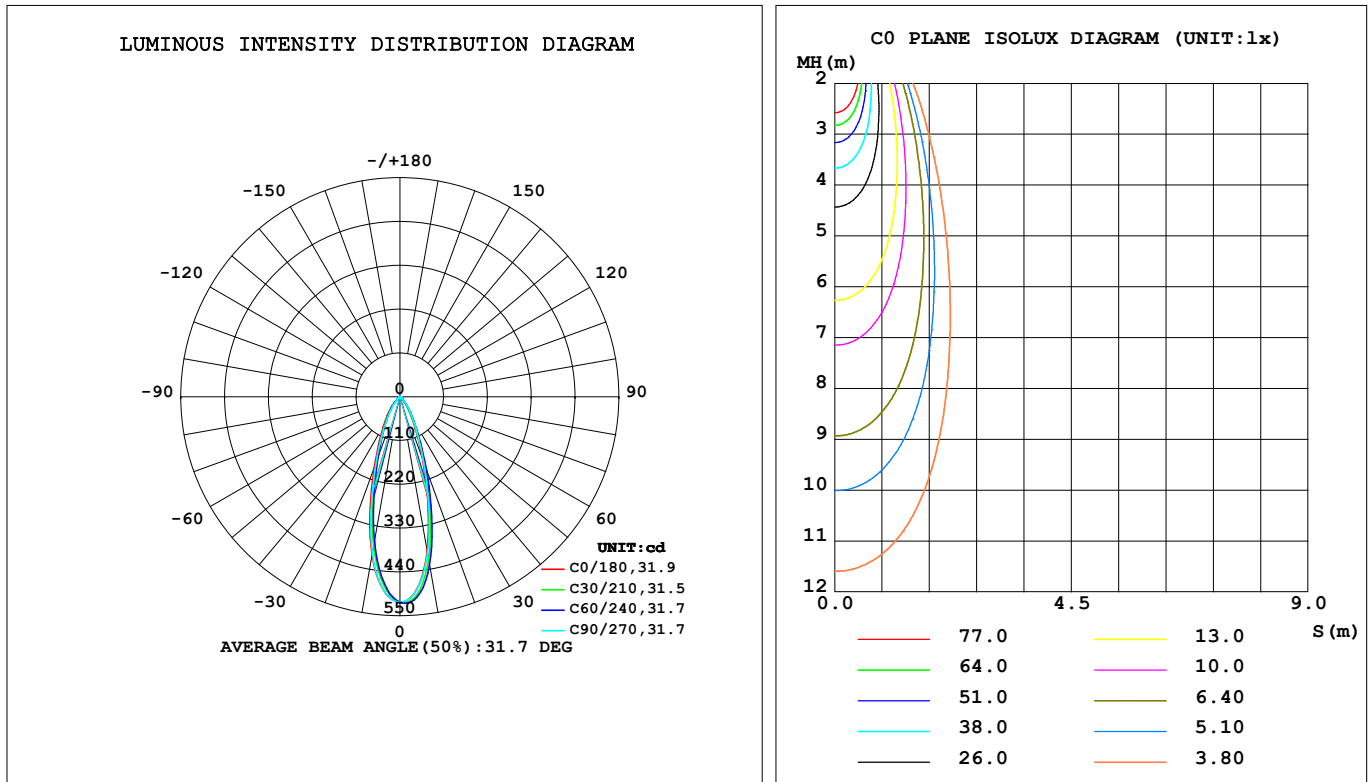


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm		
NAME: SLDL624F-2530C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 100.18 lm/W
MODEL		I _{max} (cd)	518.7	S/MH (C0/180)	0.54	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.53	
RATED VOLTAGE (V)		TOTAL FLUX (lm)	213.58	η UP,DN (C0-180)	0.0,51.0	
NOMINAL FLUX (lm)	213.576	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,49.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX	0.55	



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:

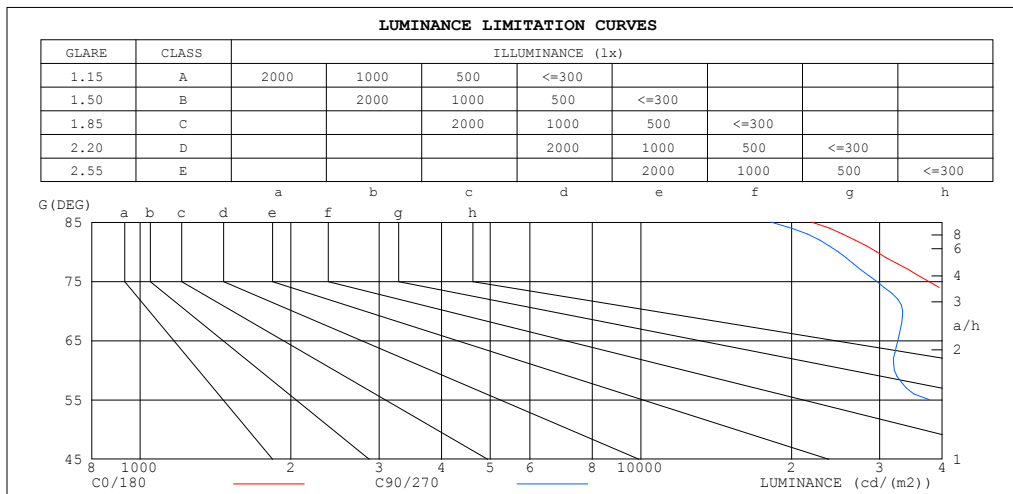
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	393.3	422.4	398.9	413.3	404.6	374.9	399.5	386.9	0- 10	43.63	43.63	20.4,20.4
20	167.3	186.9	174.1	190.4	188.7	166.2	175.6	164.0	10- 20	76.63	120.3	56.3,56.3
30	59.25	65.12	66.95	76.78	80.89	68.99	65.88	60.04	20- 30	50.98	171.2	80.2,80.2
40	18.82	20.63	24.50	29.21	32.81	27.82	22.34	20.50	30- 40	27.04	198.3	92.8,92.8
50	6.102	5.549	5.278	5.666	5.828	5.704	5.257	5.724	40- 50	8.743	207.0	96.9,96.9
60	3.038	2.456	2.116	1.927	1.853	2.044	2.174	2.710	50- 60	3.250	210.3	98.5,98.5
70	2.009	1.679	1.503	1.375	1.327	1.441	1.537	1.844	60- 70	1.914	212.2	99.3,99.3
80	0.6891	0.6125	0.5680	0.5367	0.5188	0.5537	0.5839	0.6394	70- 80	1.132	213.3	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	0.2634	213.6	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: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:

LUMINANCE LIMITATION CURVES

Test:U:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm		
NAME: SLDL624F-2530C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21946	18222
80	29620	24827
75	37599	29600
70	43849	33346
65	44440	32615
60	45352	32118
55	53426	37724
50	70853	62321
45	92006	93275

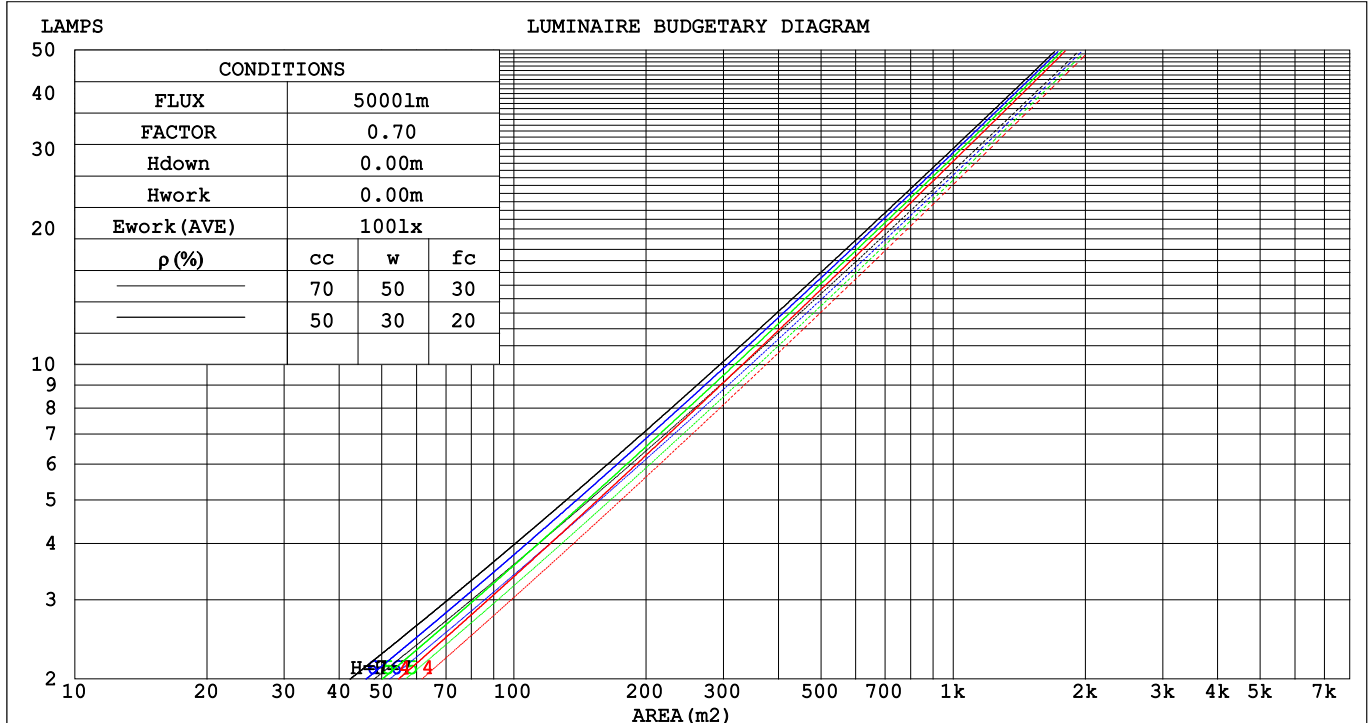
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 10 August 2020

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm		
NAME: SLDL624F-2530C-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															



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:

WEC AND CCEC

Test:U:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm																	
NAME: SLDL624F-2530C-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	.167	.095	.030	.160	.091	.029	.148	.085	.027	.136	.078	.025	.125	.073	.023	
2.0	.158	.086	.026	.152	.084	.026	.142	.079	.024	.132	.074	.023	.123	.070	.022	
3.0	.149	.079	.024	.144	.077	.023	.135	.073	.022	.127	.069	.021	.119	.066	.020	
4.0	.140	.073	.021	.136	.071	.021	.129	.068	.020	.122	.065	.020	.115	.063	.019	
5.0	.133	.068	.020	.129	.066	.019	.123	.064	.019	.117	.062	.018	.111	.059	.018	
6.0	.126	.063	.018	.123	.062	.018	.117	.060	.018	.112	.058	.017	.107	.056	.017	
7.0	.120	.059	.017	.117	.058	.017	.112	.057	.016	.108	.055	.016	.103	.054	.016	
8.0	.115	.056	.016	.112	.055	.016	.108	.054	.015	.104	.052	.015	.100	.051	.015	
9.0	.110	.053	.015	.107	.052	.015	.103	.051	.014	.100	.050	.014	.096	.049	.014	
10.0	.105	.050	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.093	.047	.013	

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	.170	.157	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016		
2.0	.154	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013		
3.0	.141	.113	.091	.121	.098	.079	.083	.068	.056	.048	.040	.033	.015	.013	.011		
4.0	.130	.099	.075	.112	.085	.065	.077	.059	.046	.044	.035	.027	.014	.011	.009		
5.0	.121	.087	.062	.104	.075	.054	.071	.052	.038	.041	.031	.022	.013	.010	.007		
6.0	.113	.077	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006		
7.0	.106	.069	.044	.091	.060	.038	.063	.042	.027	.036	.025	.016	.012	.008	.005		
8.0	.100	.063	.038	.086	.055	.033	.059	.038	.023	.035	.023	.014	.011	.007	.005		
9.0	.094	.058	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004		
10.0	.090	.053	.029	.077	.046	.025	.054	.032	.018	.031	.019	.011	.010	.006	.004		

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:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm											
NAME: SLDL624F-2530C-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		27.8	28.7	28.0	28.8	29.0	28.6	29.4	28.8	29.6	29.8
3H		28.2	29.0	28.5	29.2	29.4	28.8	29.5	29.0	29.7	29.9
4H		28.4	29.2	28.7	29.4	29.6	28.8	29.6	29.1	29.8	30.0
6H		28.5	29.2	28.8	29.5	29.7	28.9	29.6	29.2	29.8	30.1
8H		28.6	29.2	28.9	29.5	29.7	28.9	29.5	29.2	29.8	30.1
12H		28.5	29.2	28.9	29.5	29.7	28.9	29.5	29.2	29.8	30.0
4H	2H	27.8	28.5	28.1	28.8	29.0	28.5	29.3	28.8	29.5	29.7
	3H	28.4	29.0	28.7	29.3	29.5	28.8	29.5	29.1	29.7	30.0
	4H	28.6	29.2	29.0	29.5	29.8	29.0	29.5	29.3	29.8	30.2
	6H	28.8	29.3	29.2	29.7	30.0	29.1	29.6	29.4	29.9	30.3
	8H	28.9	29.3	29.3	29.7	30.1	29.1	29.6	29.5	29.9	30.3
	12H	28.9	29.3	29.3	29.7	30.1	29.1	29.5	29.5	29.9	30.3
8H	4H	28.7	29.1	29.0	29.5	29.8	29.0	29.4	29.4	29.8	30.2
	6H	28.9	29.3	29.3	29.7	30.1	29.1	29.5	29.5	29.9	30.3
	8H	29.0	29.3	29.4	29.7	30.2	29.2	29.5	29.6	29.9	30.4
	12H	29.0	29.3	29.5	29.7	30.2	29.2	29.5	29.7	29.9	30.4
12H	4H	28.6	29.1	29.0	29.4	29.8	28.9	29.4	29.3	29.7	30.1
	6H	28.9	29.2	29.3	29.6	30.1	29.1	29.5	29.5	29.9	30.3
	8H	29.0	29.3	29.4	29.7	30.2	29.2	29.5	29.6	29.9	30.4
Variations with the observer position at spacings:											
S = 1.0H		+ 1.8 / - 1.8					+ 2.3 / - 3.1				
1.5H		+ 3.3 / - 1.8					+ 4.1 / - 2.8				
2.0H		+ 1.7 / - 0.9					+ 2.0 / - 1.3				

CIE Pub.117, 213.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.4)

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:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm		
NAME: SLDL624F-2530C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

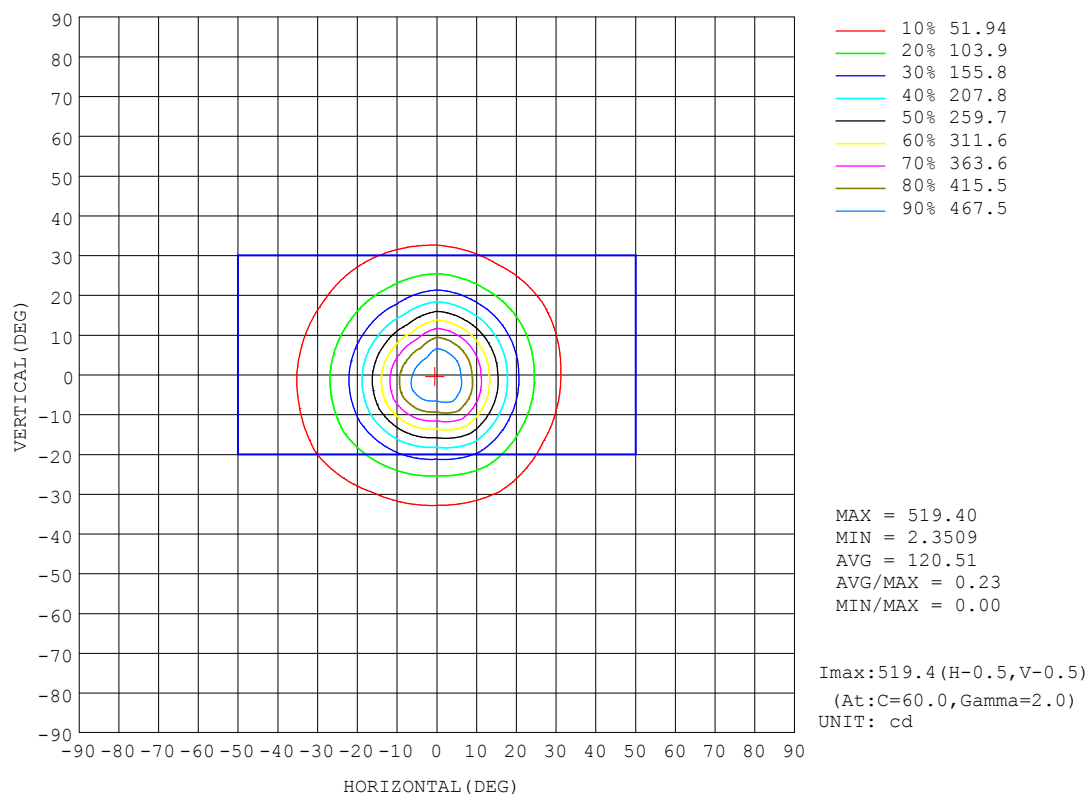
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	89	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	99
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

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:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm		
NAME: SLDL624F-2530C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

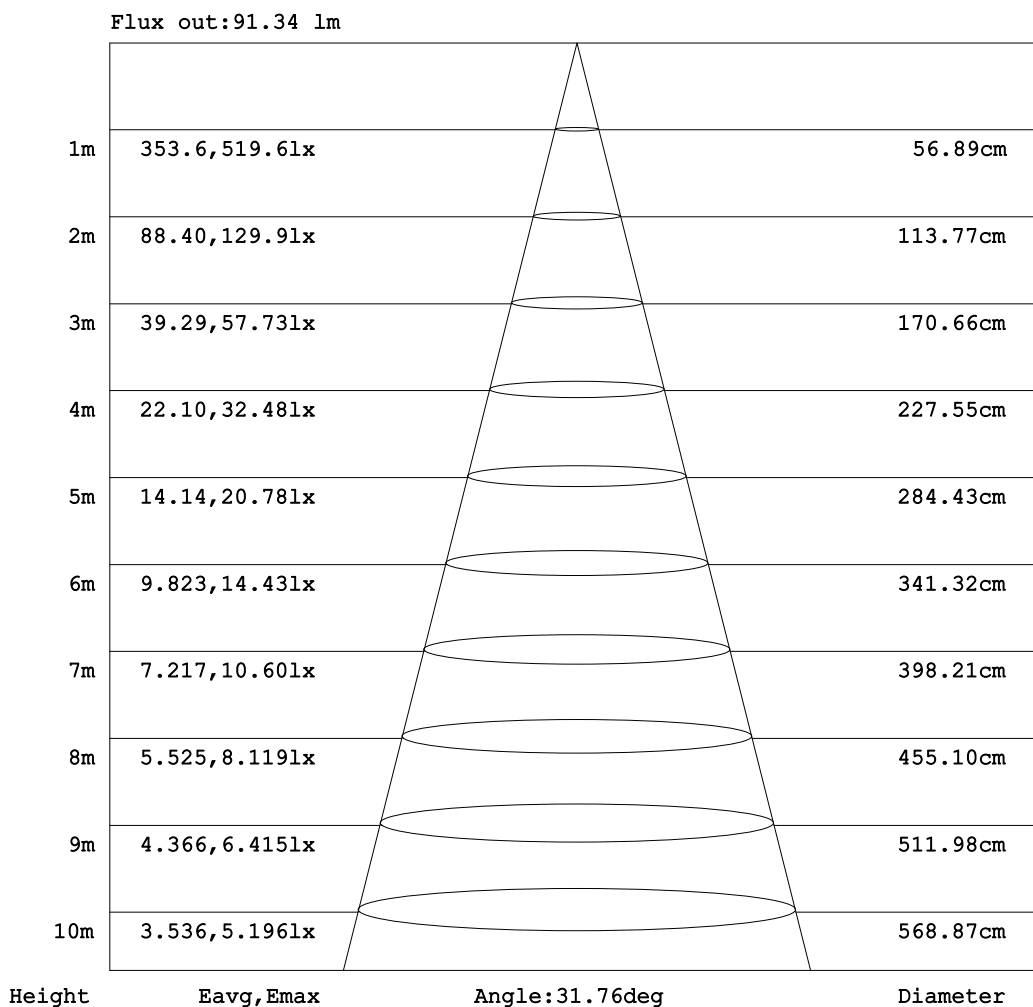


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 10 August 2020

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:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm		
NAME: SLDL624F-2530C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



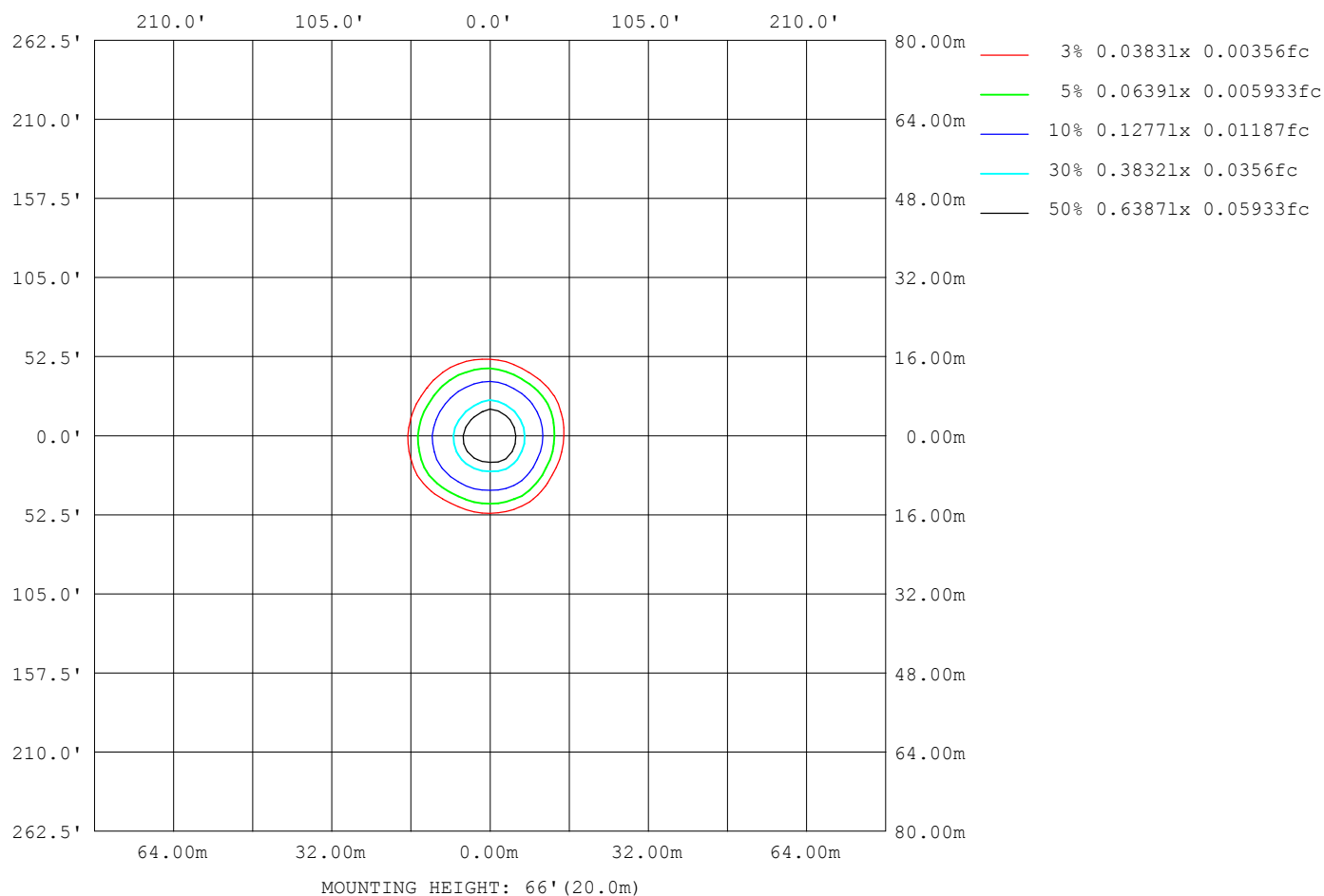
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm		
NAME: SLDL624F-2530C-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:

LED Avg.L Report

Test:U:3.0461V I:0.6999A P:2.1320W PF:1.0000 Freq:50.00Hz Lamp Flux:213.576x1 lm		
NAME: SLDL624F-2530C-N 700mA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

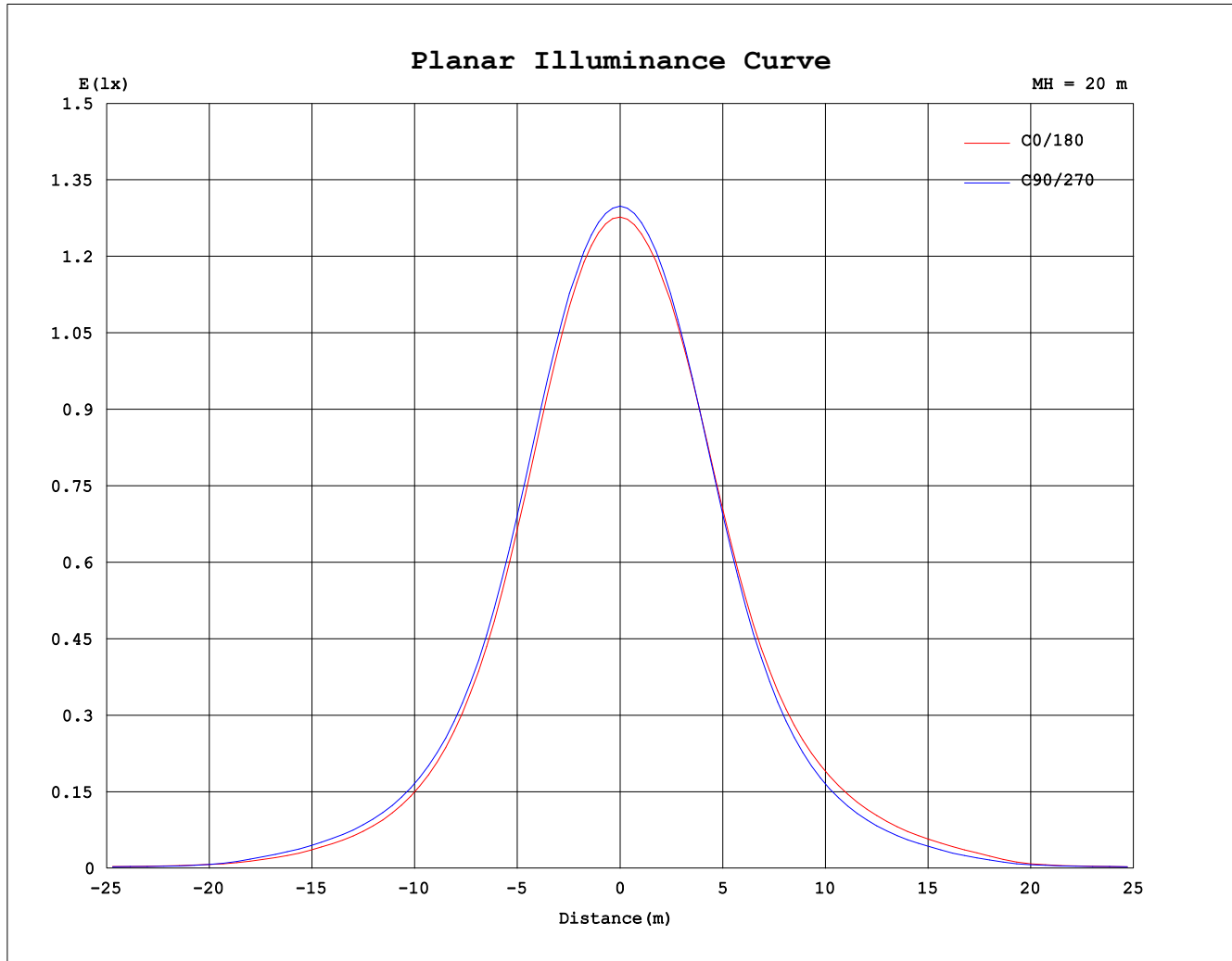
AvgL	cd/m2
L_0~180 (65) av	36562
L_0~180 (75) av	32138
L_0~180 (85) av	19818
L_90~270 (65) av	32719
L_90~270 (75) av	29900
L_90~270 (85) av	19005
L_45 (65) av	34430
L_45 (75) av	30715
L_45 (85) av	19190

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

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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