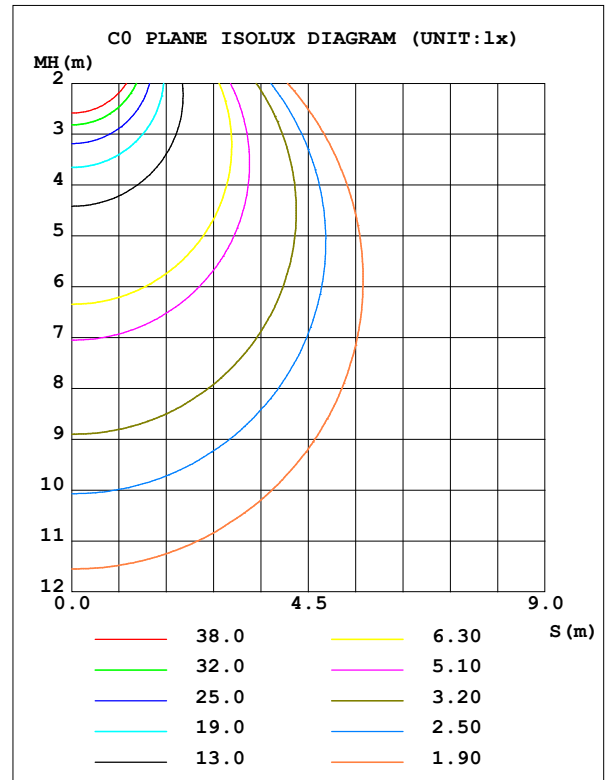
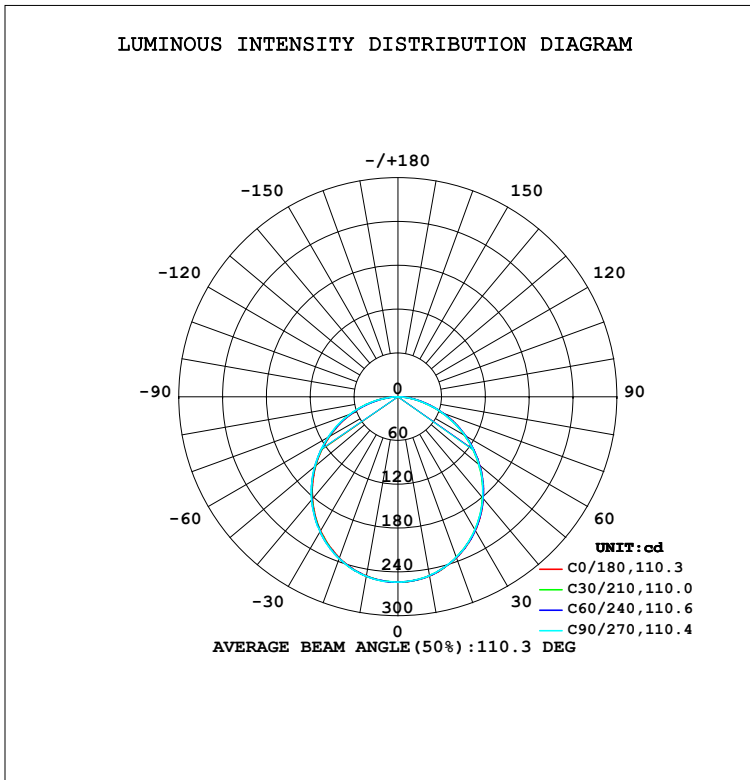


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm		
NAME: SLED315T-W1S1-P-TW-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.26 lm/W
MODEL		I _{max} (cd)	253.9	S/MH (C0/180)	1.24	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)		TOTAL FLUX (lm)	708.11	η UP,DN (C0-180)	0.0,49.5	
NOMINAL FLUX (lm)	708.114	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.5	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Doug
Test Date:09 June 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:

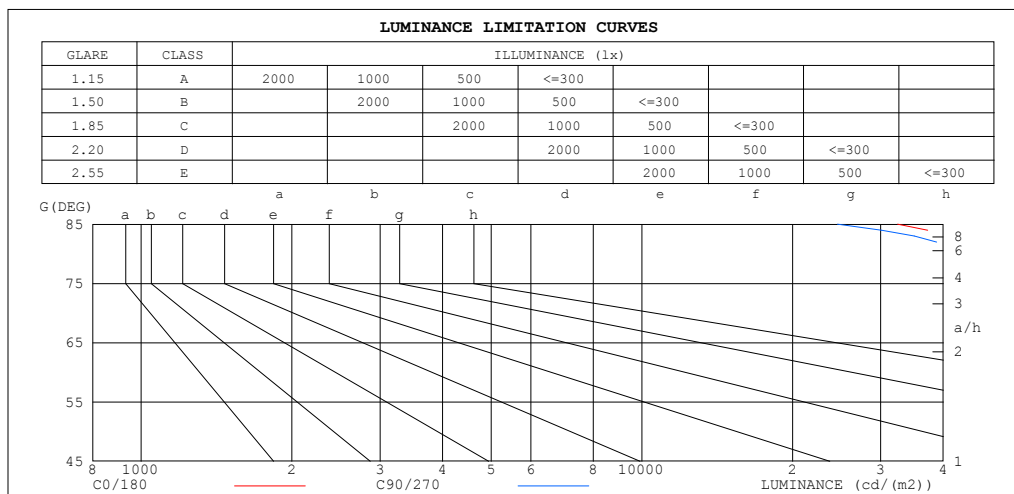
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	249.2	249.0	248.8	248.7	248.9	249.6	249.6	249.2	0- 10	24.01	24.01	3.39,3.39
20	234.7	234.1	233.9	234.2	235.0	235.7	236.2	235.0	10- 20	68.59	92.59	13.1,13.1
30	211.9	211.2	210.8	211.3	212.1	213.1	213.6	212.4	20- 30	103.4	196.0	27.7,27.7
40	181.8	181.1	180.8	181.5	182.3	183.5	184.0	182.8	30- 40	123.8	319.7	45.2,45.2
50	146.3	145.5	145.2	146.1	147.2	148.3	148.9	147.4	40- 50	127.3	447.1	63.1,63.1
60	107.1	105.9	105.7	107.0	107.9	109.2	110.0	108.2	50- 60	114.0	561.1	79.2,79.2
70	66.07	64.78	64.43	65.92	66.92	68.76	69.80	67.59	60- 70	86.41	647.5	91.4,91.4
80	26.85	25.56	25.06	26.58	27.51	28.93	29.66	27.86	70- 80	49.23	696.7	98.4,98.4
90	0.0182	0.0113	0.0138	0.0145	0.0327	0.0436	0.0675	0.0431	80- 90	11.39	708.1	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:Doug
Test Date:09 June 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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm		
NAME: SLED315T-W1S1-P-TW-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	32416	24588
80	48021	44865
75	55090	53173
70	59999	58573
65	63638	62654
60	66499	65731
55	68819	68231
50	70711	70238
45	72348	71998

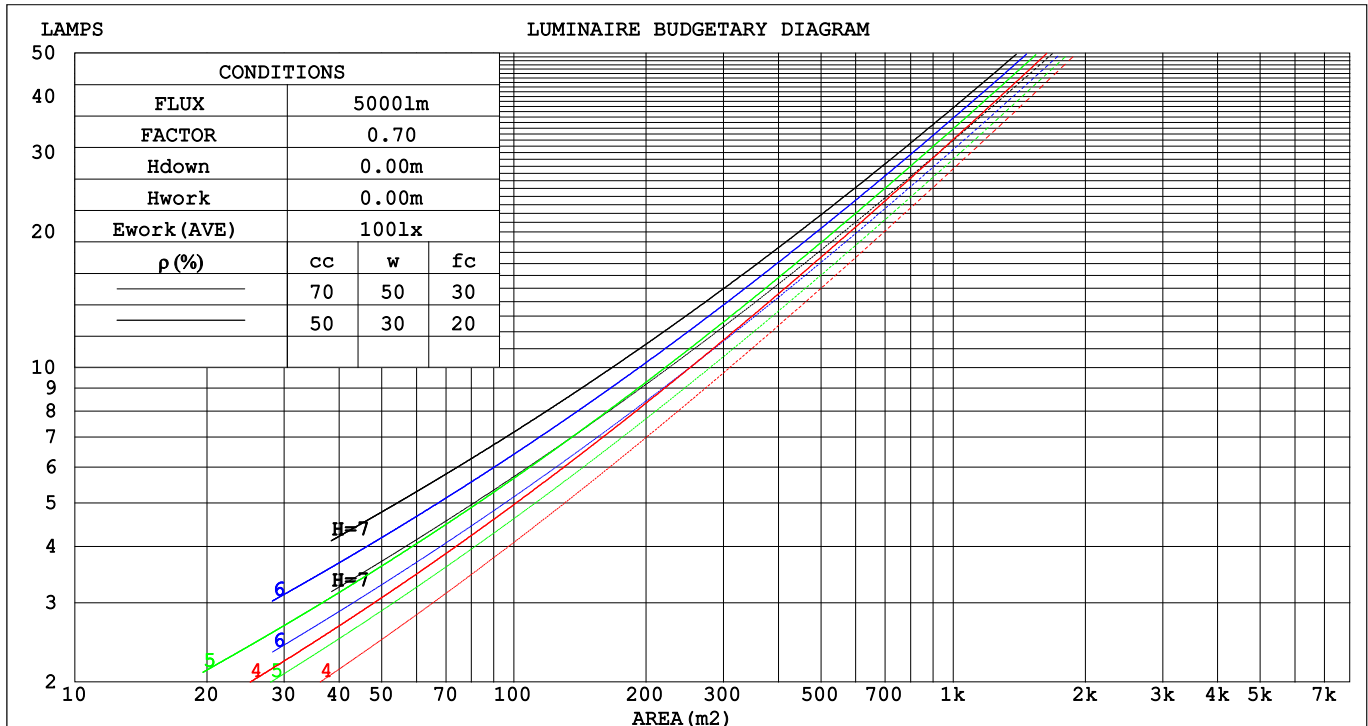
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Doug
 Test Date: 09 June 2020

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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm		
NAME: SLED315T-W1S1-P-TW-3000K	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:Doug
Test Date:09 June 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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm																	
NAME: SLED315T-W1S1-P-TW-3000K									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	.306	.174	.055	.299	.171	.054	.286	.164	.052	.274	.158	.051	.262	.152	.049	
2.0	.289	.159	.049	.283	.156	.048	.271	.151	.047	.261	.146	.046	.251	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.130	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.037	.217	.118	.036	
5.0	.229	.117	.034	.225	.116	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.189	.099	.029	
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.074	.021	

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	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015		
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011		
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009		
4.0	.157	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007		
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006		
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004		
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004		
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003		
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Doug
Test Date:09 June 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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm											
NAME: SLED315T-W1S1-P-TW-3000K					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		28.7	30.2	29.0	30.4	30.6	28.7	30.2	29.0	30.4	30.6
	3H	30.2	31.6	30.5	31.8	32.0	30.2	31.6	30.5	31.8	32.0
	4H	30.7	32.1	31.1	32.3	32.6	30.7	32.0	31.0	32.3	32.6
	6H	31.1	32.4	31.5	32.7	32.9	31.1	32.3	31.4	32.6	32.9
	8H	31.2	32.5	31.6	32.7	33.0	31.2	32.4	31.5	32.7	33.0
	12H	31.3	32.5	31.6	32.7	33.1	31.2	32.3	31.5	32.6	32.9
4H	2H	29.3	30.6	29.6	30.9	31.1	29.3	30.6	29.6	30.9	31.1
	3H	30.9	32.1	31.3	32.4	32.7	30.9	32.1	31.3	32.4	32.7
	4H	31.6	32.7	32.0	33.0	33.3	31.6	32.7	32.0	33.0	33.3
	6H	32.1	33.1	32.5	33.4	33.8	32.1	33.1	32.5	33.4	33.8
	8H	32.3	33.2	32.7	33.5	33.9	32.2	33.1	32.6	33.5	33.9
	12H	32.4	33.2	32.8	33.5	34.0	32.3	33.1	32.7	33.5	33.9
8H	4H	31.9	32.7	32.3	33.1	33.5	31.9	32.7	32.3	33.1	33.5
	6H	32.5	33.2	32.9	33.6	34.1	32.5	33.2	32.9	33.6	34.1
	8H	32.7	33.4	33.2	33.8	34.2	32.7	33.3	33.1	33.8	34.2
	12H	32.8	33.4	33.3	33.8	34.3	32.8	33.3	33.3	33.8	34.3
12H	4H	31.9	32.7	32.3	33.1	33.5	31.9	32.7	32.3	33.1	33.5
	6H	32.5	33.2	33.0	33.6	34.1	32.5	33.2	33.0	33.6	34.1
	8H	32.8	33.3	33.3	33.8	34.3	32.8	33.3	33.2	33.8	34.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117, 708.1 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -1.2$)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Doug
Test Date:09 June 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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm		
NAME: SLED315T-W1S1-P-TW-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

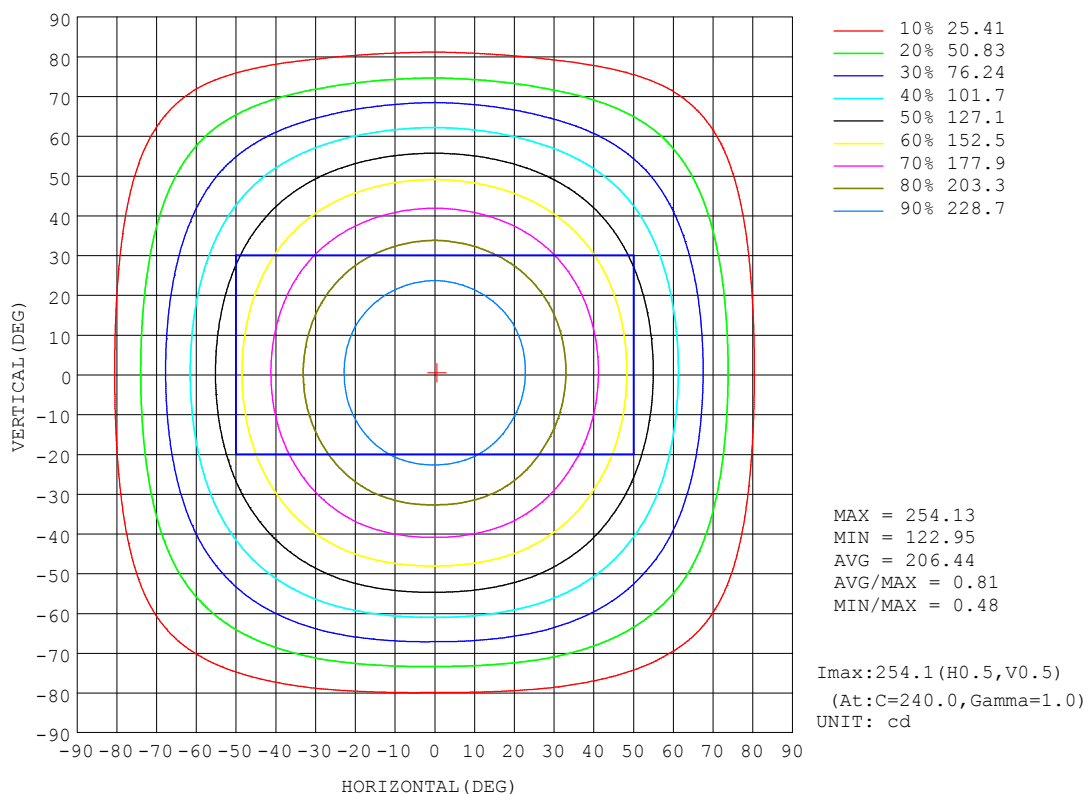
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	48	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	91	85	97	90	84	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:Doug
Test Date:09 June 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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm		
NAME: SLED315T-W1S1-P-TW-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

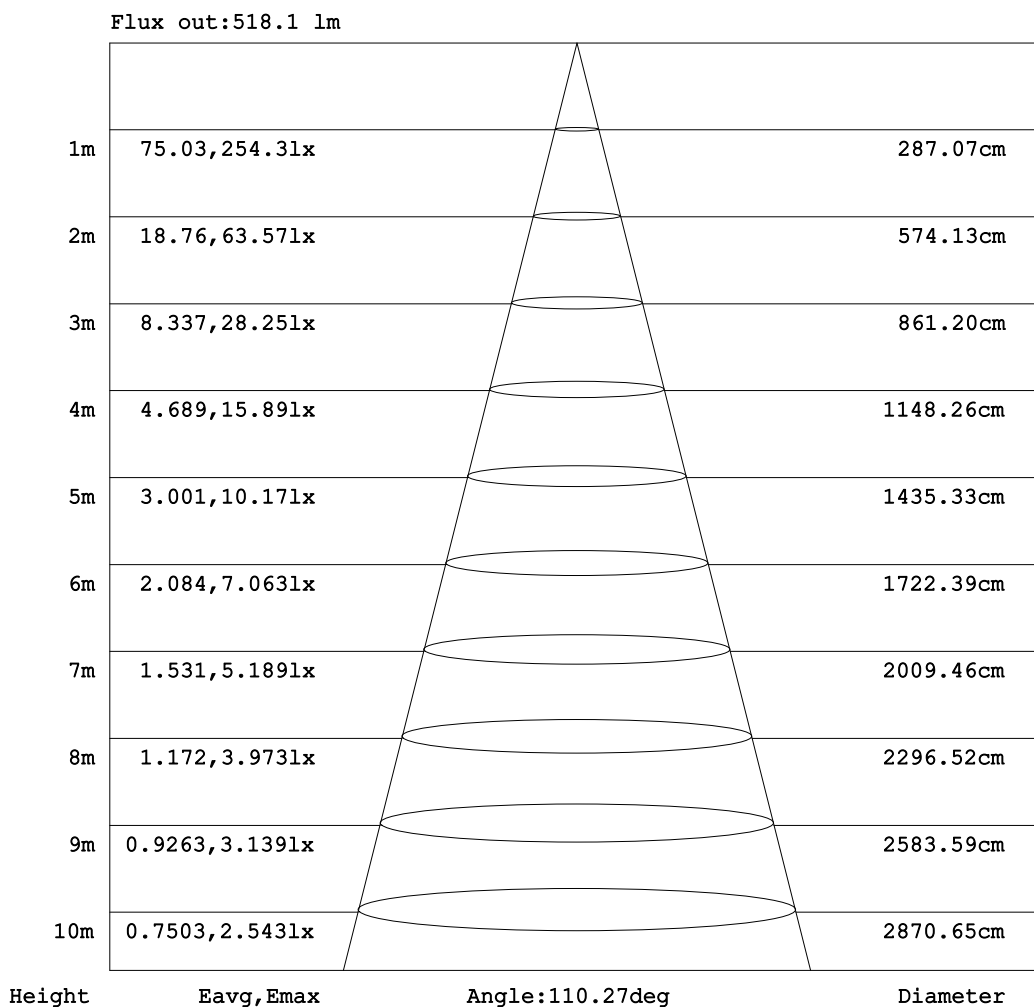


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Doug
Test Date:09 June 2020

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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm		
NAME: SLED315T-W1S1-P-TW-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:



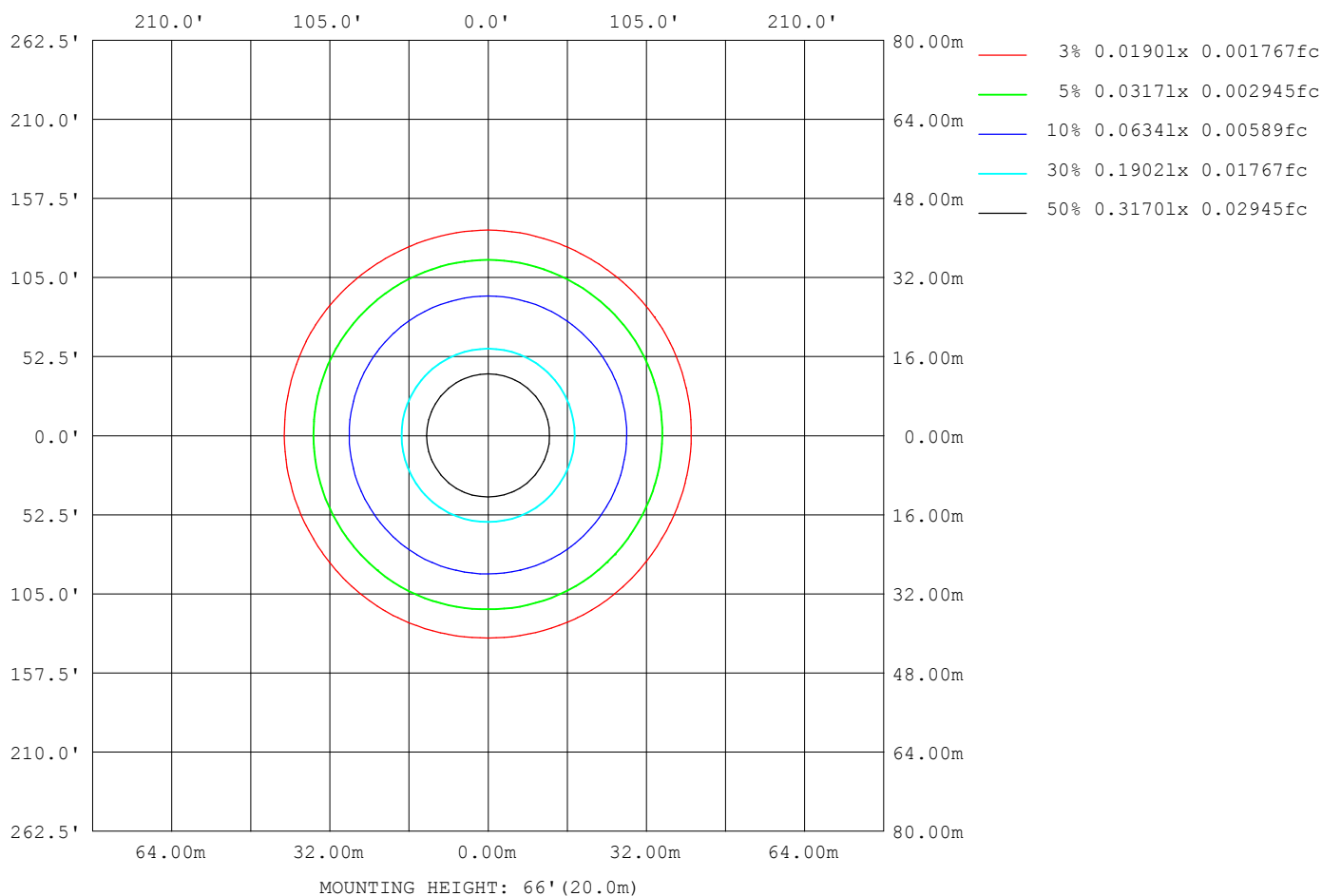
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Doug
 Test Date:09 June 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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm		
NAME: SLED315T-W1S1-P-TW-3000K	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:Doug
 Test Date:09 June 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:230.10V I:0.0440A P:9.8000W PF:0.9690 Freq:50.00Hz Lamp Flux:708.114x1 lm		
NAME: SLED315T-W1S1-P-TW-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Switch Lighting	SUR.:	Shielding Angle:

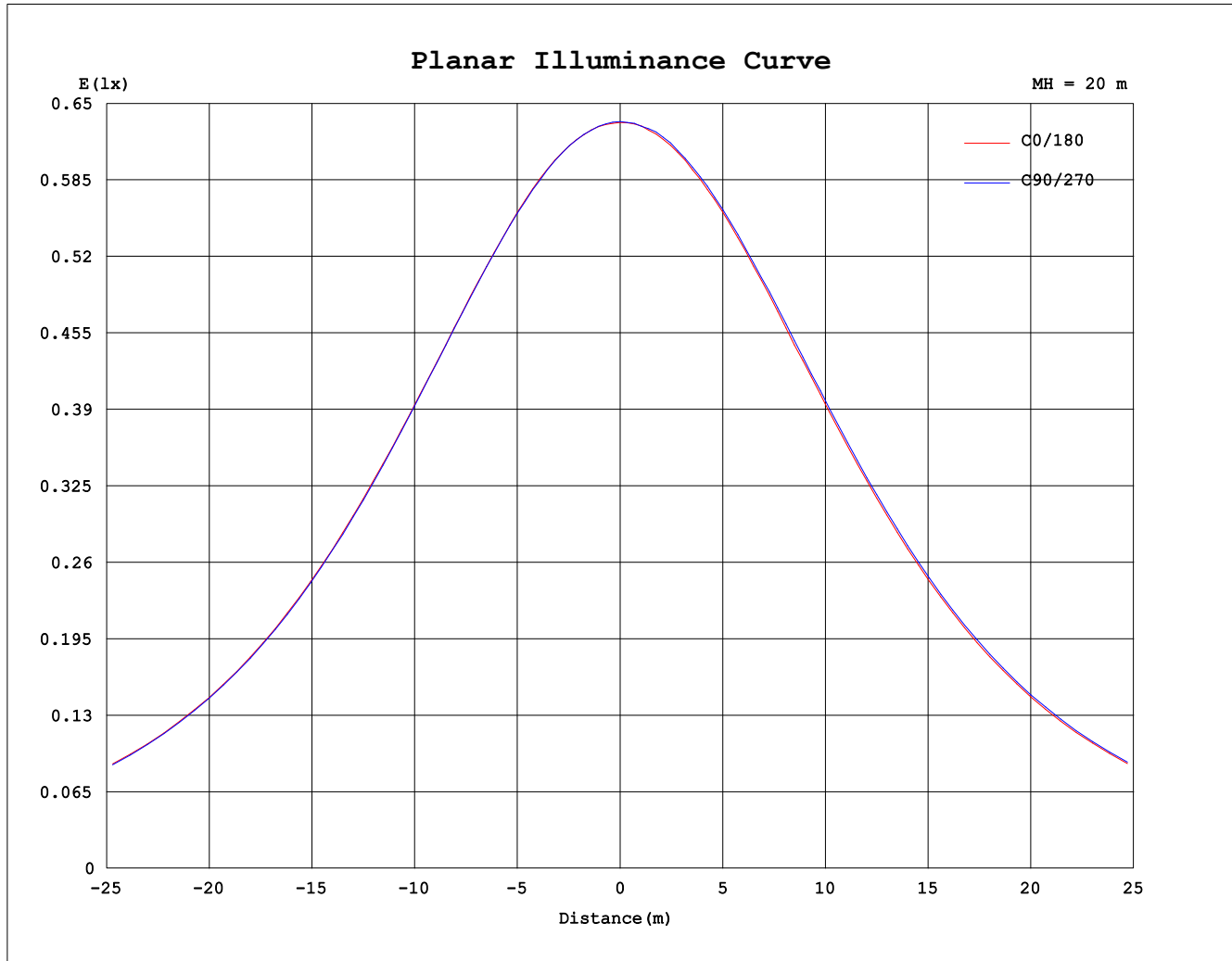
AvgL	cd/m2
L_0~180 (65) av	64084
L_0~180 (75) av	55755
L_0~180 (85) av	32427
L_90~270 (65) av	64650
L_90~270 (75) av	56189
L_90~270 (85) av	31991
L_45 (65) av	64304
L_45 (75) av	55911
L_45 (85) av	32098

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Doug
Test Date:09 June 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: Doug
 Test Date: 09 June 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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