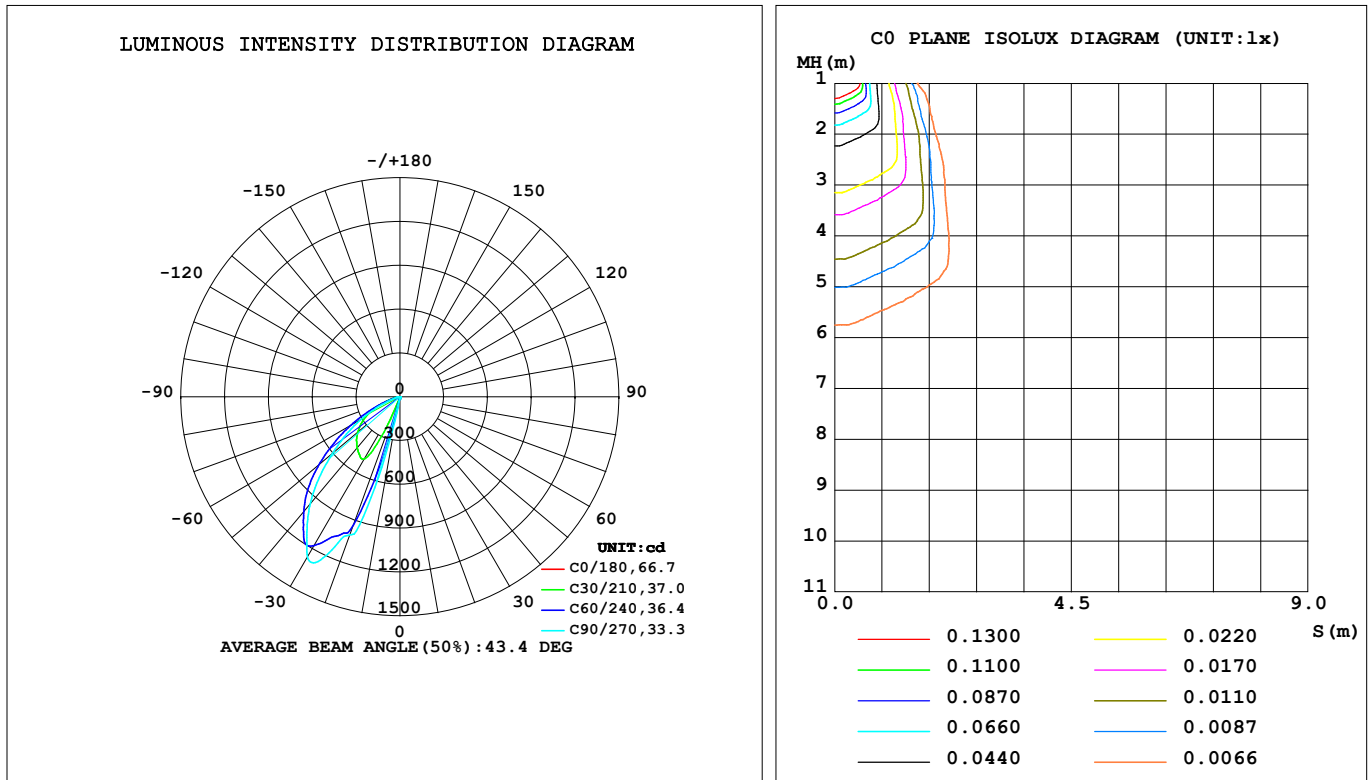


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Switch Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 58.96 lm/W
MODEL		I _{max} (cd)	1338	S/MH (C0/180)		0.97
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)		9.13
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	754.63	η UP,DN (C0-180)		0.0,0.0
NOMINAL FLUX (lm)	754.633	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,100.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE (V)	240.2	η down (%)	100.0	CIBSE SHR MAX		1.00



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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:

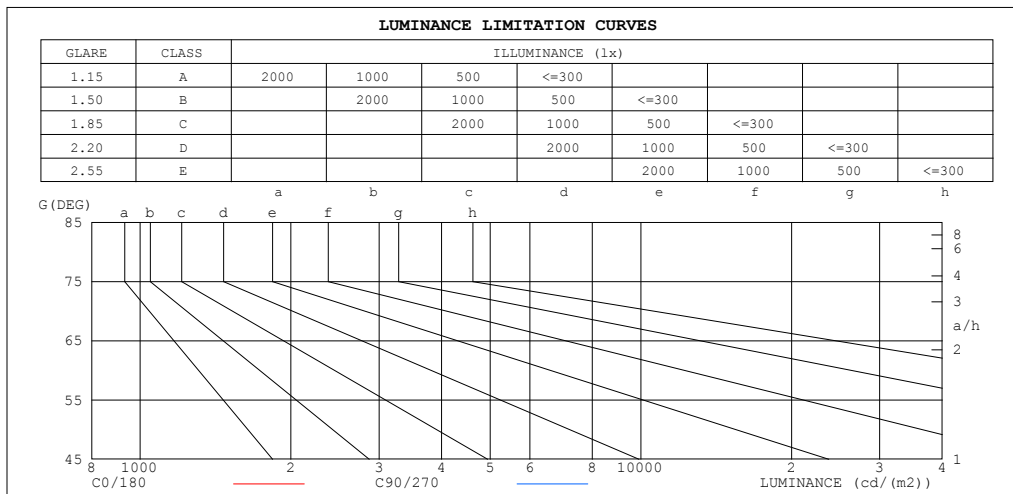
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	0.1873	0.0607	0.0749	0.0636	0.1859	13.65	23.72	10.20	0- 10	0.2876	0.2876	0.04,0.04
20	0.1793	0.0713	0.0895	0.0581	0.1779	525.4	1007	372.7	10- 20	30.91	31.19	4.13,4.13
30	0.1285	0.0719	0.0544	0.0630	0.1135	879.6	1268	637.9	20- 30	130.4	161.5	21.4,21.4
40	0.0790	0.0733	0.0301	0.0526	0.0696	854.3	956.4	611.0	30- 40	185.4	347.0	46,46
50	0.0525	0.0337	0	0.0318	0.0645	698.1	602.6	498.6	40- 50	177.9	524.9	69.6,69.6
60	0.0359	0.0079	0	0.0134	0.0670	439.6	303.2	311.4	50- 60	135.5	660.4	87.5,87.5
70	0.0225	0.0069	0	0.0077	0.0398	171.0	74.72	121.1	60- 70	71.51	731.9	97,97
80	0.0100	0	0	0.0077	0.0192	29.29	15.53	21.25	70- 80	19.13	751.0	99.5,99.5
90	0	0	0	0.0077	0.0113	3.939	5.948	3.014	80- 90	3.585	754.6	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: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Switch Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4	0
80	5	0
75	6	0
70	6	0
65	6	0
60	6	0
55	7	0
50	7	0
45	8	1

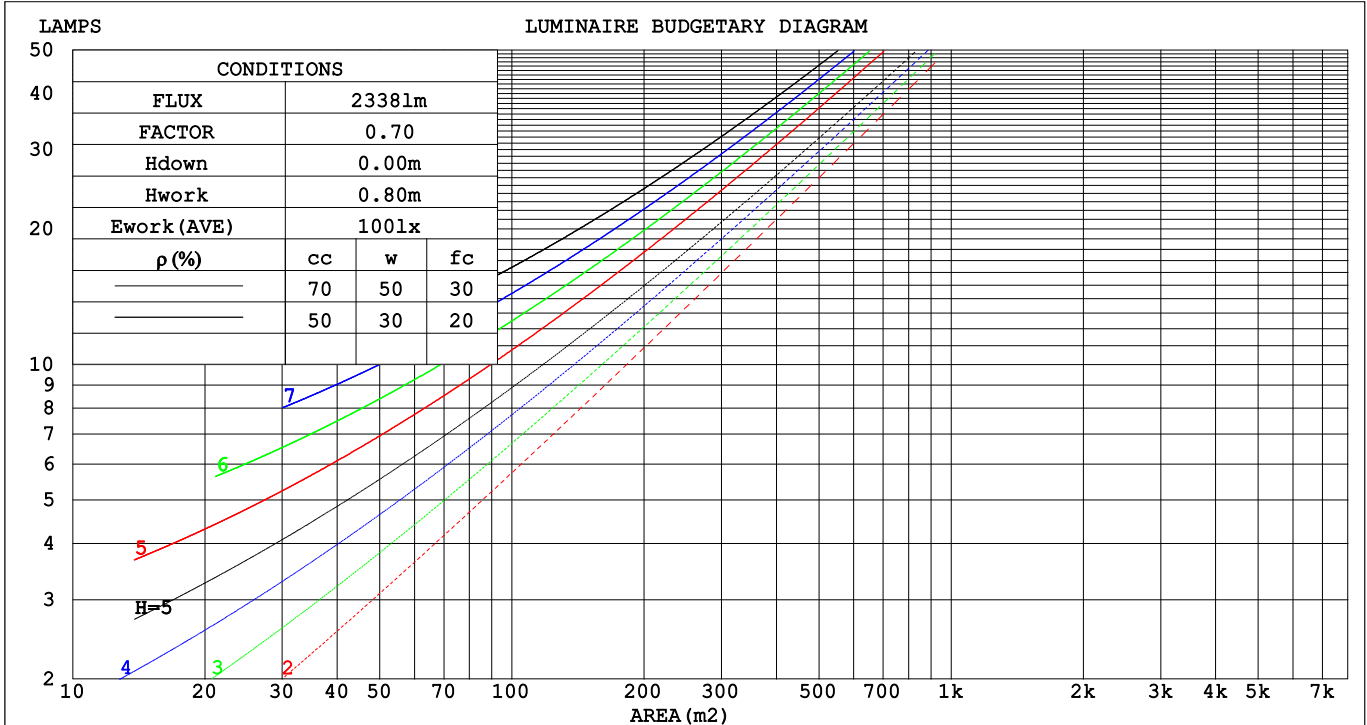
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jason
 Test Date:16 November 2021

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	.277	.158	.050	.270	.154	.049	.257	.148	.047	.245	.141	.045	.234	.136	.044	
2.0	.272	.149	.046	.266	.146	.045	.254	.141	.044	.243	.137	.043	.234	.132	.042	
3.0	.259	.138	.041	.253	.136	.041	.243	.132	.040	.233	.128	.039	.225	.124	.038	
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.221	.119	.036	.213	.116	.035	
5.0	.229	.116	.034	.224	.115	.034	.216	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.214	.108	.031	.211	.106	.031	.203	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.201	.100	.028	.198	.099	.028	.191	.097	.028	.185	.095	.028	.180	.093	.027	
8.0	.189	.093	.026	.186	.092	.026	.180	.090	.026	.175	.089	.026	.170	.087	.025	
9.0	.178	.086	.024	.176	.086	.024	.170	.084	.024	.165	.083	.024	.161	.082	.024	
10.0	.168	.081	.022	.166	.080	.022	.161	.079	.022	.157	.078	.022	.152	.077	.022	

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	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.047	.019	.017	.015		
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.061	.057	.046	.035	.018	.015	.012		
3.0	.162	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009		
4.0	.155	.101	.059	.133	.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	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.136	.076	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004		
8.0	.130	.070	.028	.112	.061	.025	.078	.043	.017	.045	.025	.010	.015	.008	.003		
9.0	.125	.065	.025	.108	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003		
10.0	.119	.061	.022	.103	.053	.019	.071	.037	.014	.042	.022	.008	.014	.007	.003		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm											
NAME: SLCW100F-W130P-##D12					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:1			
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		-34.5	-32.9	-34.2	-32.7	-32.5	-39.9	-38.3	-39.6	-38.1	-37.9
	3H	-33.1	-31.8	-32.9	-31.5	-31.3	-40.1	-38.7	-39.8	-38.5	-38.2
	4H	-32.7	-31.4	-32.4	-31.1	-30.8	-40.2	-38.9	-39.9	-38.6	-38.4
	6H	-32.3	-31.1	-32.0	-30.8	-30.6	-40.3	-39.1	-40.0	-38.8	-38.5
	8H	-32.3	-31.1	-31.9	-30.8	-30.5	-40.3	-39.2	-40.0	-38.9	-38.6
	12H	-32.2	-31.1	-31.9	-30.8	-30.5	-40.4	-39.3	-40.0	-39.0	-38.7
4H	2H	-34.6	-33.2	-34.3	-33.0	-32.7	-39.2	-37.9	-38.9	-37.6	-37.4
	3H	-32.9	-31.8	-32.5	-31.5	-31.2	-39.3	-38.2	-39.0	-37.9	-37.6
	4H	-32.2	-31.2	-31.8	-30.9	-30.5	-39.4	-38.4	-39.1	-38.1	-37.7
	6H	-31.7	-30.8	-31.3	-30.5	-30.1	-39.5	-38.6	-39.1	-38.3	-37.9
	8H	-31.7	-30.8	-31.2	-30.5	-30.1	-39.6	-38.7	-39.2	-38.4	-38.0
	12H	-31.6	-30.8	-31.2	-30.4	-30.0	-39.6	-38.8	-39.2	-38.5	-38.1
8H	4H	-32.2	-31.4	-31.8	-31.0	-30.6	-38.5	-37.7	-38.1	-37.3	-37.0
	6H	-31.5	-30.9	-31.1	-30.5	-30.0	-38.6	-37.9	-38.2	-37.5	-37.1
	8H	-31.4	-30.8	-30.9	-30.4	-29.9	-38.6	-38.0	-38.2	-37.6	-37.2
	12H	-31.3	-30.8	-30.8	-30.3	-29.8	-38.7	-38.2	-38.2	-37.7	-37.3
12H	4H	-32.2	-31.5	-31.8	-31.1	-30.7	-38.3	-37.5	-37.9	-37.2	-36.8
	6H	-31.6	-31.0	-31.1	-30.5	-30.1	-38.3	-37.7	-37.8	-37.3	-36.8
	8H	-31.4	-30.9	-30.9	-30.4	-29.9	-38.3	-37.8	-37.9	-37.4	-36.9
Variations with the observer position at spacings:											
S = 1.0H	+ 1.5 / - 1.1					+ 2.9 / - 4.2					
1.5H	+ 1.8 / - 1.4					+ 4.9 / - 4.0					
2.0H	+ 3.1 / - 2.2					+ 1.1 / - 1.9					

CIE Pub.117, 754.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.0)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Switch Lighting	SUR.:	Shielding Angle:

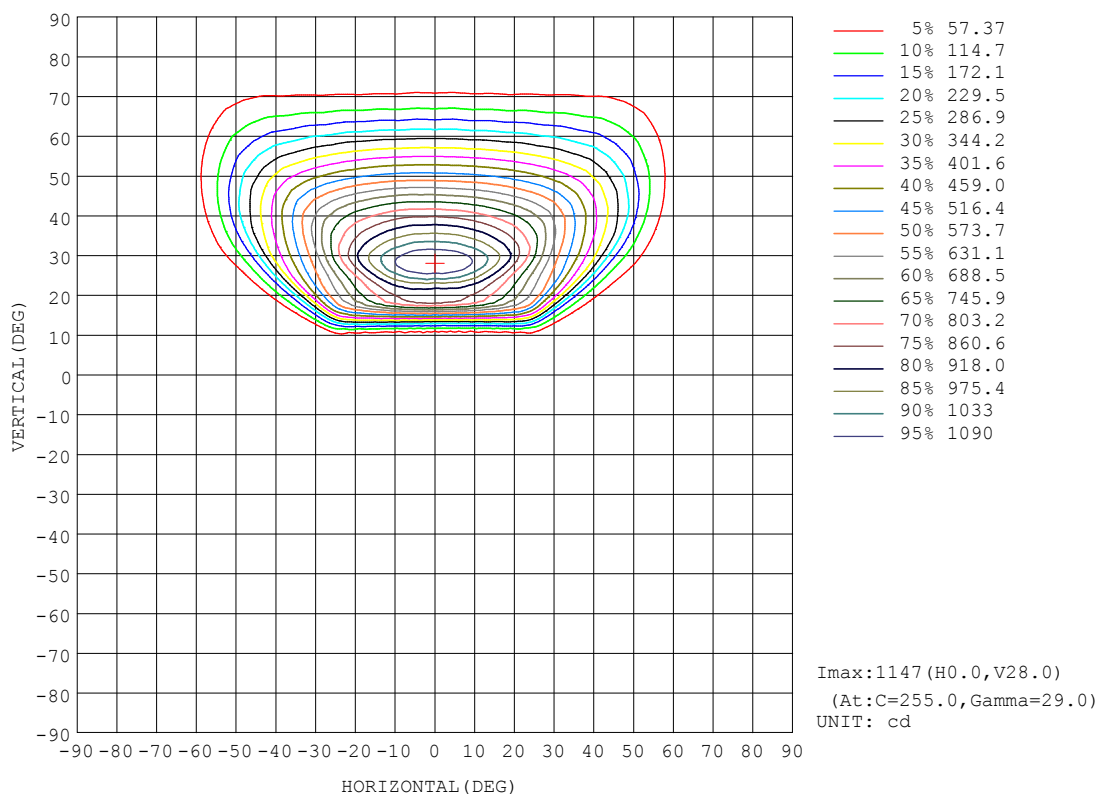
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	45	39	55	45	38	32
0.80	68	57	50	67	57	50	66	56	49	42
1.00	78	67	60	77	67	60	75	68	59	53
1.25	85	76	69	84	75	68	81	74	68	61
1.50	91	81	75	89	81	74	86	79	73	66
2.00	97	90	84	96	89	83	92	86	82	74
2.50	101	94	88	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	103	98	105	101	97	101	98	94	86
5.00	110	105	102	107	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Switch Lighting	SUR.:	Shielding Angle:

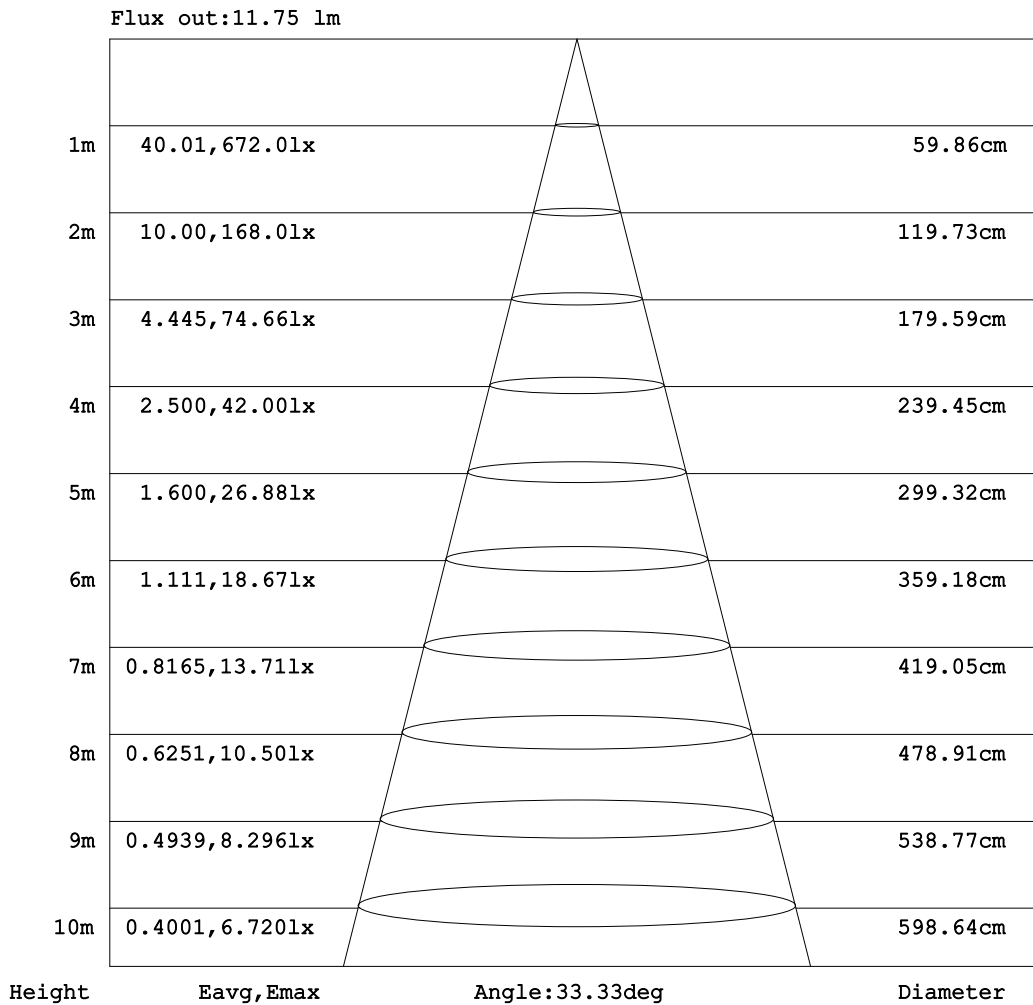


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Switch Lighting	SUR.:	Shielding Angle:



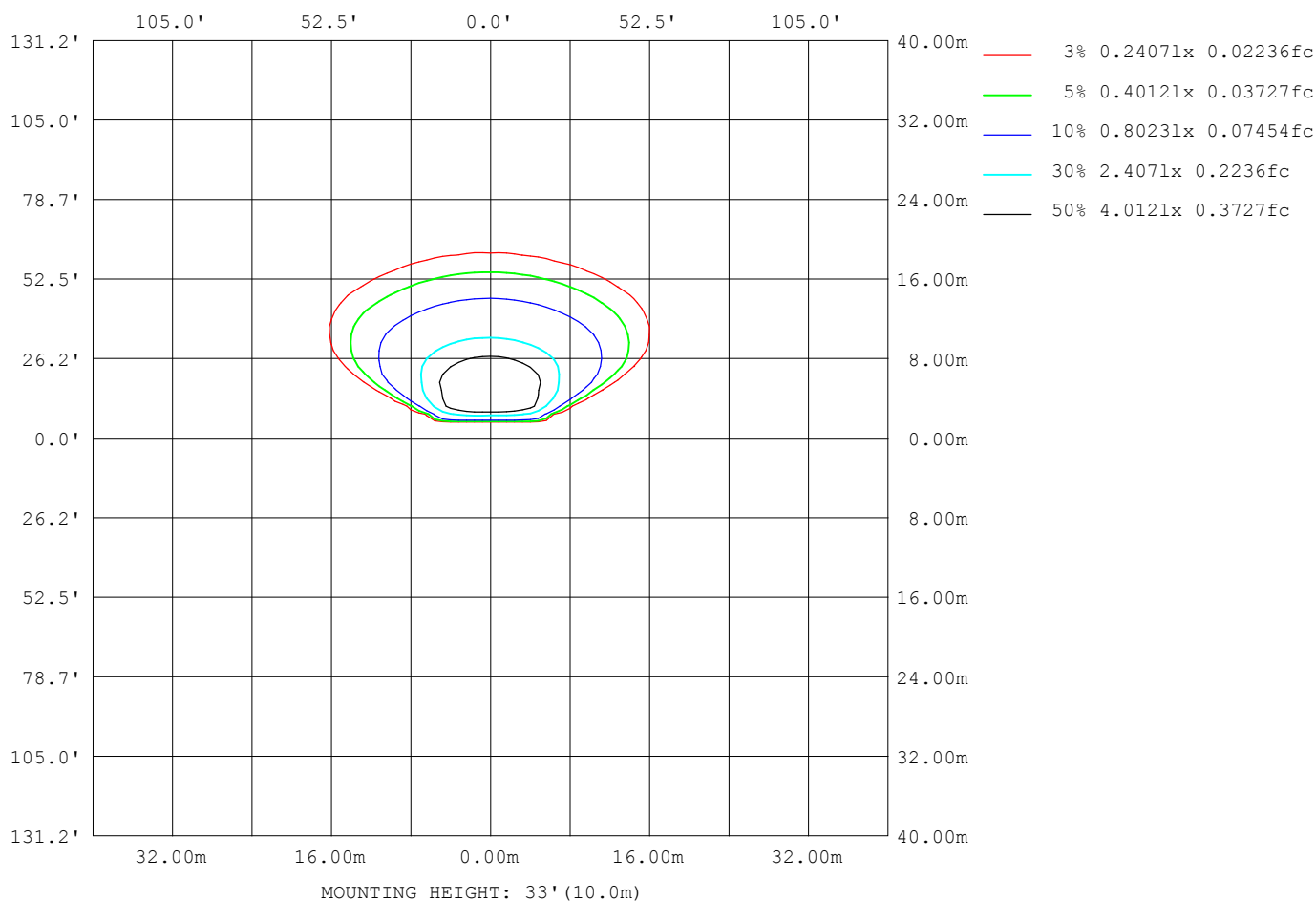
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Switch Lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:16 November 2021

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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:230.00V I:0.0570A P:12.800W PF:0.9840 Freq:50.00Hz Lamp Flux:754.633x1 lm		
NAME: SLCW100F-W130P-##D12	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Switch Lighting	SUR.:	Shielding Angle:

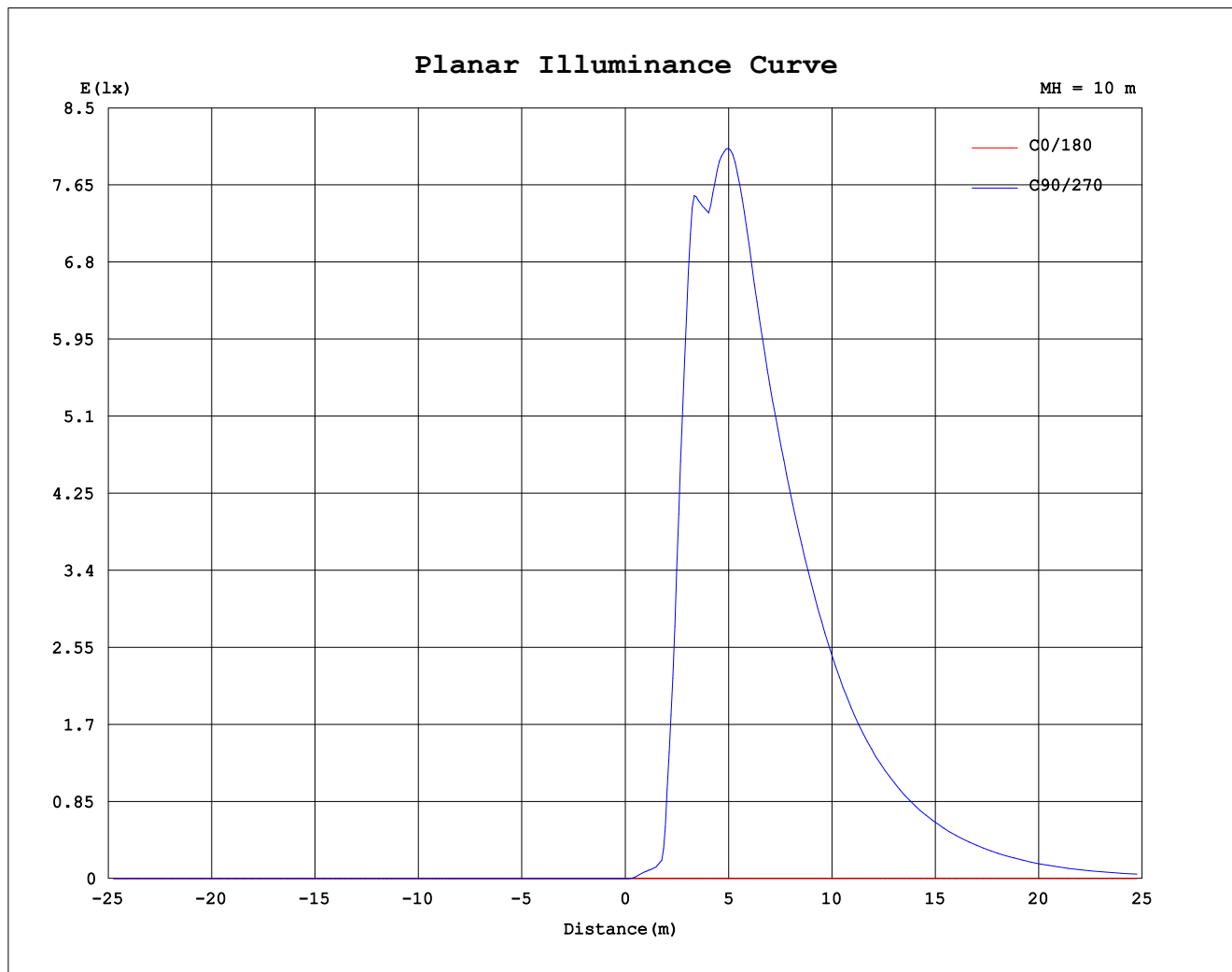
AvgL	cd/m2
L_0~180 (65) av	8
L_0~180 (75) av	7
L_0~180 (85) av	8
L_90~270 (65) av	16030
L_90~270 (75) av	4686
L_90~270 (85) av	4371
L_45 (65) av	24117
L_45 (75) av	10256
L_45 (85) av	4144

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
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Test Speed: MEDIUM
Temperature:25.3DEG
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Test Date:16 November 2021

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 16 November 2021

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 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: 0.5DEG
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
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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
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Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
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Remarks:

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γ Range: 0 - 90DEG
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Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks:

```