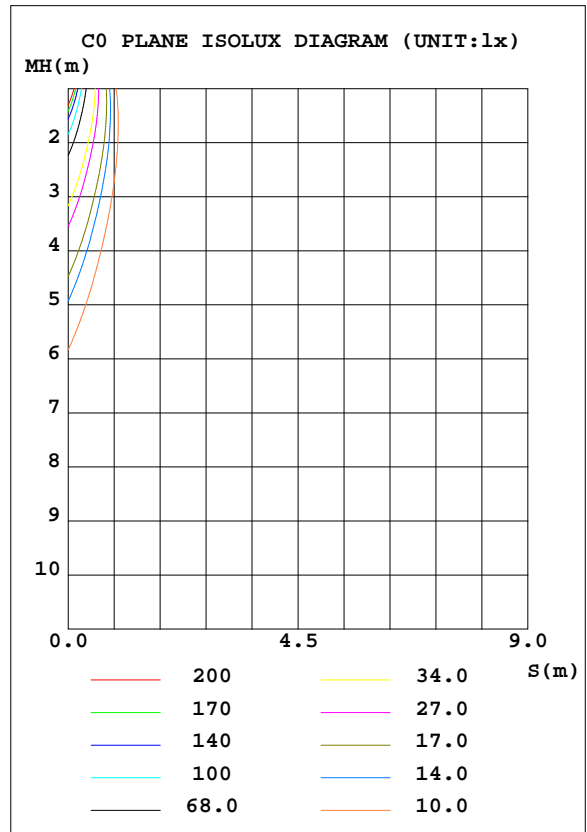
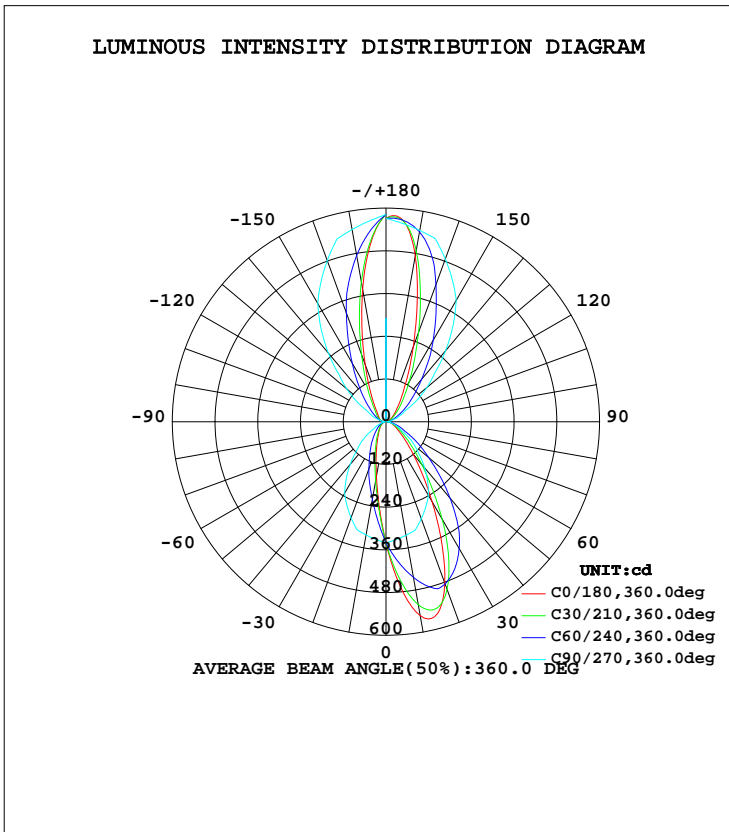


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.16 lm/W			
MODEL	SWL-10W-CC-W	I _{max} (cd)	592.8	S/MH(C0/180)	0.30
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.05
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1042.4	η UP, DN(C0-180)	25.9, 23.6
NOMINAL FLUX(lm)	1042.44	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	25.2, 25.3
LAMPS INSIDE	1	η up(%)	51.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.3	η down(%)	48.9	CIBSE SHR MAX	0.70



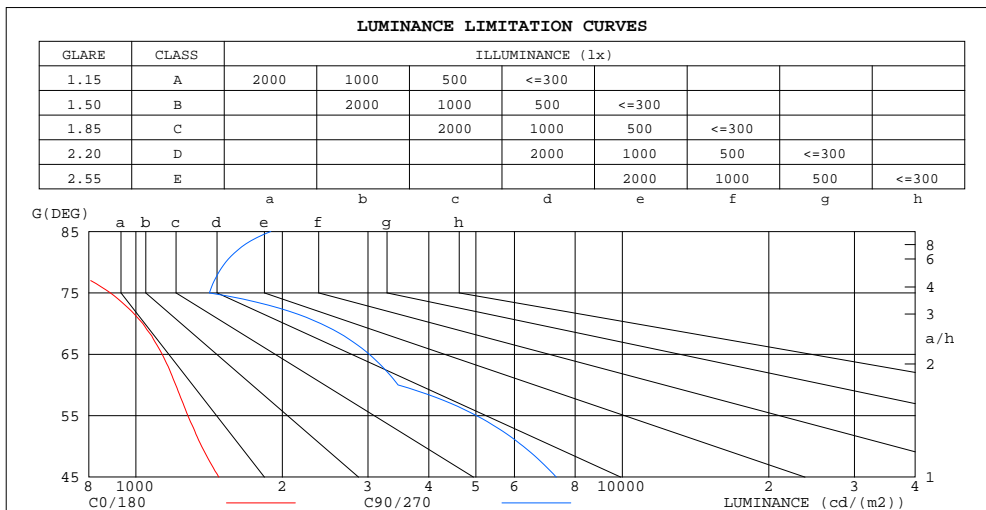
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	§lum, lamp
5	231.2	255.4	331.7	421.2	464.8	421.5	332.1	255.7	0- 5	8.103	8.103	0.78,0.78
10	155.5	189.2	323.0	489.8	552.8	490.0	323.9	189.9	5- 10	24.27	32.37	3.11,3.11
15	108.1	141.9	314.3	525.5	558.5	525.5	315.7	143.0	10- 15	39.66	72.03	6.91,6.91
20	77.70	108.3	287.0	520.3	482.8	519.7	290.1	109.7	15- 20	51.72	123.7	11.9,11.9
25	57.74	81.95	259.6	457.7	368.0	457.4	264.5	83.80	20- 25	57.76	181.5	17.4,17.4
30	44.36	62.89	232.3	373.2	259.0	374.1	238.9	65.02	25- 30	58.20	239.7	23,23
35	35.30	49.22	194.4	288.6	175.9	290.3	203.8	51.51	30- 35	54.58	294.3	28.2,28.2
40	28.81	39.38	156.5	214.2	119.3	217.0	168.8	41.63	35- 40	48.16	342.4	32.9,32.9
45	24.04	31.75	118.7	151.5	82.38	156.2	133.7	33.92	40- 45	40.60	383.0	36.7,36.7
50	20.15	26.03	92.34	105.9	58.23	111.8	106.4	28.07	45- 50	33.14	416.2	39.9,39.9
55	16.84	21.61	66.02	73.59	42.58	79.89	79.11	23.43	50- 55	26.68	442.9	42.5,42.5
60	13.85	17.73	39.70	52.51	32.04	58.02	51.80	19.10	55- 60	20.58	463.4	44.5,44.5
65	10.98	14.37	29.27	36.51	24.71	41.56	40.00	15.37	60- 65	15.36	478.8	45.9,45.9
70	8.117	11.12	18.84	24.96	19.17	29.82	28.20	11.79	65- 70	11.76	490.6	47.1,47.1
75	5.268	7.874	8.409	16.53	14.63	21.12	16.40	8.236	70- 75	8.350	498.9	47.9,47.9
80	2.701	5.207	6.098	9.646	5.754	13.80	11.59	5.258	75- 80	5.332	504.2	48.4,48.4
85	1.328	4.964	3.787	6.056	0.9345	8.494	6.781	4.565	80- 85	3.417	507.7	48.7,48.7
90	3.263	4.816	1.477	2.446	0.4314	3.332	1.971	4.001	85- 90	2.201	509.9	48.9,48.9
95	12.51	8.587	7.011	3.948	0.6598	4.283	7.237	7.318	90- 95	2.516	512.4	49.2,49.2
100	15.00	12.43	12.54	5.622	2.437	5.368	12.50	10.72	95-100	4.106	516.5	49.5,49.5
105	17.16	16.06	18.08	10.10	5.223	9.327	17.77	13.96	100-105	5.950	522.4	50.1,50.1
110	19.01	19.94	32.12	15.63	8.351	14.27	32.58	17.48	105-110	8.573	531.0	50.9,50.9
115	20.74	24.36	46.16	22.18	11.49	20.08	47.39	21.50	110-115	11.58	542.6	52,52
120	22.82	29.65	60.19	30.67	15.26	27.62	62.20	26.43	115-120	14.64	557.2	53.5,53.5
125	25.57	36.04	101.9	41.97	19.77	38.06	106.0	32.77	120-125	19.26	576.5	55.3,55.3
130	29.50	43.71	143.7	56.62	26.10	52.88	149.9	41.53	125-130	24.88	601.4	57.7,57.7
135	34.42	54.80	185.4	77.08	35.17	72.15	193.7	53.94	130-135	30.55	631.9	60.6,60.6
140	42.96	71.29	251.4	106.1	47.43	98.76	260.7	71.84	135-140	37.22	669.1	64.2,64.2
145	57.16	94.75	317.4	143.9	67.54	132.9	327.6	96.68	140-145	44.41	713.5	68.4,68.4
150	79.37	129.5	383.3	197.5	96.41	179.4	394.6	132.7	145-150	51.11	764.6	73.4,73.4
155	114.8	180.9	432.7	270.8	146.3	246.8	440.8	185.3	150-155	56.29	820.9	78.8,78.8
160	171.2	253.0	482.2	363.7	223.6	333.6	486.9	258.6	155-160	59.57	880.5	84.5,84.5
165	259.3	337.2	531.6	454.8	338.4	424.2	533.1	342.9	160-165	59.99	939.9	90.2,90.2
170	378.0	431.7	548.4	533.9	473.7	515.8	545.8	436.3	165-170	52.36	992.2	95.2,95.2
175	501.5	519.9	565.3	579.8	566.9	566.9	558.6	518.5	170-175	36.79	1029	98.7,98.7
180	582.1	582.1	582.1	582.1	571.4	571.4	571.4	571.4	175-180	13.40	1042	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	664	1893
80	678	1530
75	887	1416
70	1034	2400
65	1132	3018
60	1207	3460
55	1279	5016
50	1366	6260
45	1481	7312

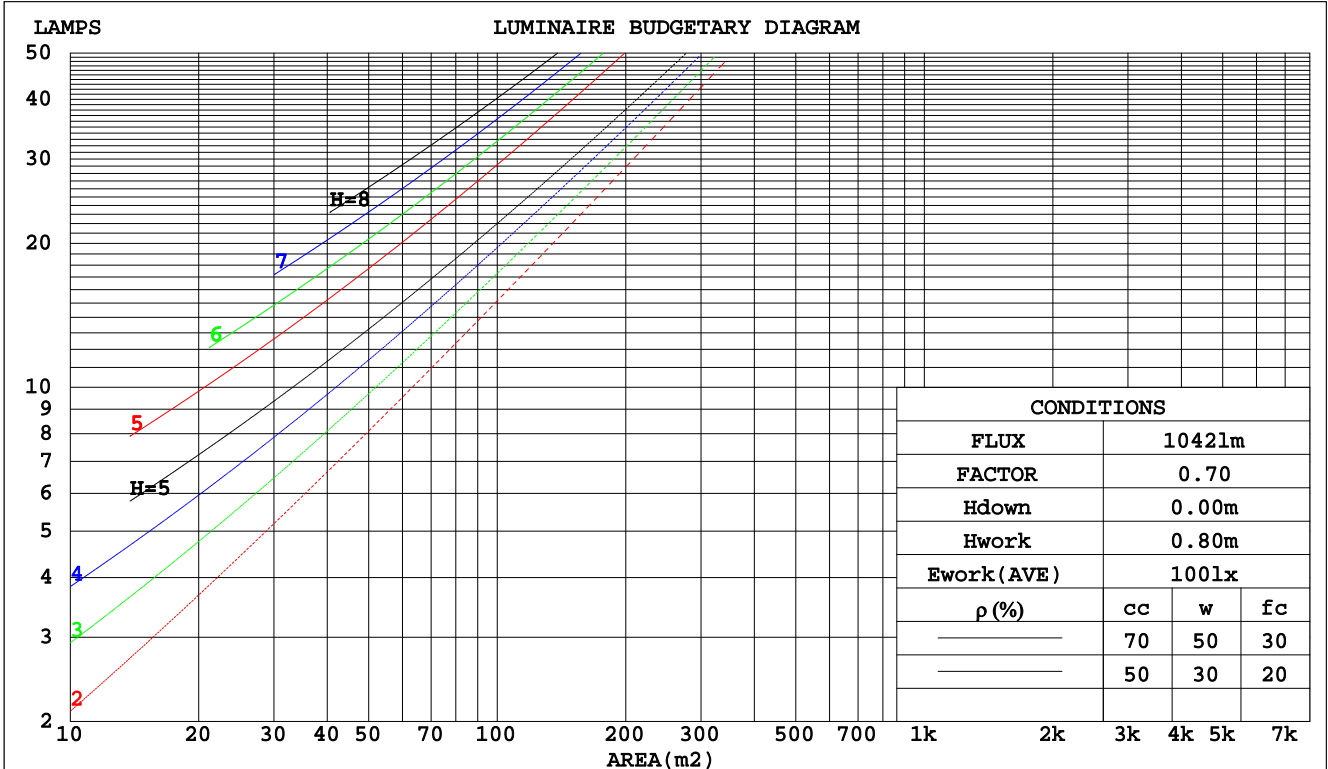
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-12-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.07	1.07	1.07	.98	.98	.98	.83	.83	.83	.68	.68	.68	.55	.55	.55	.49
1.0	.95	.91	.88	.88	.85	.82	.74	.72	.70	.62	.60	.59	.50	.50	.49	.43
2.0	.84	.79	.74	.78	.73	.69	.66	.63	.60	.56	.53	.51	.46	.44	.43	.38
3.0	.75	.69	.63	.70	.64	.60	.60	.56	.52	.51	.48	.45	.42	.40	.38	.34
4.0	.68	.60	.55	.63	.57	.52	.54	.49	.46	.46	.43	.40	.38	.36	.34	.31
5.0	.61	.54	.48	.57	.50	.45	.49	.44	.40	.42	.38	.36	.35	.33	.31	.28
6.0	.55	.48	.43	.52	.45	.40	.45	.40	.36	.39	.35	.32	.33	.30	.28	.25
7.0	.50	.43	.38	.47	.41	.36	.41	.36	.32	.36	.32	.29	.30	.27	.25	.23
8.0	.46	.39	.34	.43	.37	.33	.38	.33	.29	.33	.29	.26	.28	.25	.23	.21
9.0	.43	.36	.31	.40	.34	.29	.35	.30	.27	.31	.27	.24	.26	.23	.21	.19
10.0	.39	.33	.28	.37	.31	.27	.33	.28	.24	.29	.25	.22	.25	.22	.20	.18



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.250	.142	.045	.227	.130	.041	.186	.106	.034	.147	.085	.027	.112	.065	.021	
2.0	.233	.128	.039	.213	.117	.036	.175	.097	.030	.140	.078	.025	.107	.061	.019	
3.0	.217	.116	.035	.199	.106	.032	.164	.089	.027	.132	.072	.022	.102	.057	.017	
4.0	.202	.105	.031	.185	.097	.029	.154	.081	.024	.124	.067	.020	.097	.052	.016	
5.0	.189	.096	.028	.173	.089	.026	.144	.075	.022	.117	.062	.018	.091	.049	.015	
6.0	.177	.089	.025	.163	.082	.024	.136	.069	.020	.110	.057	.017	.087	.046	.014	
7.0	.166	.082	.023	.153	.076	.022	.128	.065	.019	.104	.053	.016	.082	.043	.013	
8.0	.156	.076	.021	.144	.071	.020	.121	.060	.017	.099	.050	.014	.078	.040	.012	
9.0	.147	.071	.020	.136	.066	.019	.114	.056	.016	.094	.047	.013	.074	.038	.011	
10.0	.139	.067	.019	.129	.062	.017	.108	.053	.015	.089	.044	.013	.071	.036	.010	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.580	.580	.580	.495	.495	.495	.338	.338	.338	.194	.194	.194	.062	.062	.062	
1.0	.569	.549	.532	.487	.471	.458	.333	.324	.316	.192	.188	.184	.061	.060	.060	
2.0	.560	.527	.500	.479	.454	.432	.328	.314	.302	.189	.183	.177	.061	.059	.058	
3.0	.552	.511	.479	.473	.441	.415	.325	.306	.291	.187	.179	.172	.060	.058	.056	
4.0	.544	.499	.464	.467	.431	.403	.321	.300	.284	.186	.176	.168	.060	.057	.055	
5.0	.538	.489	.454	.462	.423	.395	.318	.296	.279	.184	.174	.165	.059	.057	.054	
6.0	.531	.482	.446	.457	.417	.388	.315	.292	.275	.183	.172	.163	.059	.056	.054	
7.0	.526	.475	.440	.452	.412	.384	.312	.289	.272	.181	.170	.162	.059	.056	.054	
8.0	.520	.470	.436	.448	.408	.380	.310	.286	.270	.180	.169	.161	.058	.055	.053	
9.0	.515	.466	.432	.444	.404	.377	.307	.284	.268	.179	.168	.160	.058	.055	.053	
10.0	.510	.462	.430	.440	.401	.375	.305	.282	.266	.178	.167	.159	.058	.055	.053	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm										
NAME: SWL-10W-CC-W					TYPE:10W			WEIGHT:		
DIM.:					SPEC.:4000K			SERIAL No.:		
MFR.:					SUR.:0.0855			PROTECTION 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	5.1	5.9	5.9	6.8	7.8	10.8	11.7	11.7	12.5	13.6
3H	6.1	6.9	7.0	7.8	8.9	11.7	12.4	12.5	13.3	14.4
4H	6.5	7.2	7.4	8.1	9.3	11.9	12.6	12.8	13.5	14.6
6H	6.7	7.4	7.6	8.3	9.4	12.0	12.6	12.9	13.5	14.7
8H	6.8	7.4	7.7	8.3	9.5	12.0	12.7	13.0	13.6	14.8
12H	6.8	7.4	7.7	8.3	9.5	12.1	12.7	13.0	13.6	14.8
4H 2H	5.8	6.5	6.7	7.4	8.6	10.6	11.3	11.5	12.2	13.3
3H	7.0	7.6	7.9	8.5	9.7	11.6	12.2	12.5	13.1	14.3
4H	7.5	8.0	8.4	9.0	10.2	11.9	12.5	12.9	13.4	14.6
6H	7.8	8.3	8.8	9.2	10.5	12.3	12.7	13.2	13.7	14.9
8H	7.9	8.3	8.9	9.3	10.6	12.4	12.8	13.4	13.8	15.1
12H	8.0	8.4	9.0	9.3	10.6	12.5	12.9	13.5	13.9	15.2
8H 4H	7.8	8.2	8.8	9.2	10.5	11.8	12.3	12.8	13.2	14.5
6H	8.3	8.6	9.3	9.6	10.9	12.3	12.7	13.3	13.7	15.0
8H	8.5	8.8	9.5	9.8	11.1	12.6	12.9	13.6	13.9	15.3
12H	8.8	9.0	9.8	10.1	11.4	12.9	13.2	14.0	14.2	15.6
12H 4H	7.9	8.3	8.9	9.2	10.5	11.8	12.1	12.8	13.1	14.4
6H	8.5	8.8	9.5	9.8	11.1	12.3	12.6	13.3	13.6	14.9
8H	8.8	9.0	9.8	10.0	11.4	12.7	12.9	13.7	13.9	15.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 1.4 / - 0.6				
1.5H	+ 0.1 / - 0.2					+ 2.3 / - 1.5				
2.0H	+ 0.1 / - 0.3					+ 3.3 / - 1.5				

CIE Pub.117 Corrected 1042 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.1)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

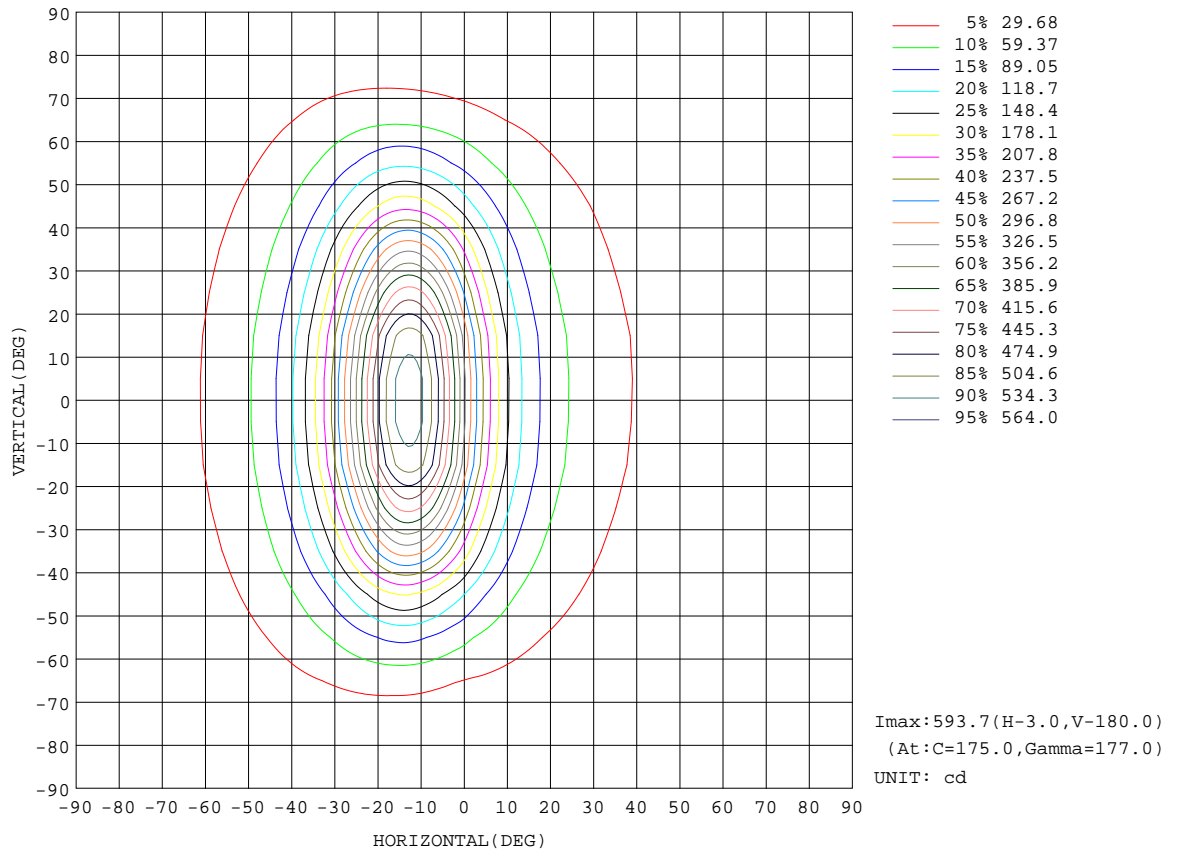
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	41	35	48	39	34	43	36	32	25
0.80	60	50	43	56	47	42	50	43	39	29
1.00	67	57	50	63	54	48	55	49	44	33
1.25	73	63	57	68	60	54	60	54	49	36
1.50	78	68	62	72	65	59	63	57	53	38
2.00	84	76	70	78	71	66	67	62	58	40
2.50	88	80	75	81	75	70	70	65	62	41
3.00	91	84	79	84	78	74	72	68	65	43
4.00	94	89	84	87	83	79	74	71	69	44
5.00	97	92	88	89	86	82	76	73	71	45
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: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

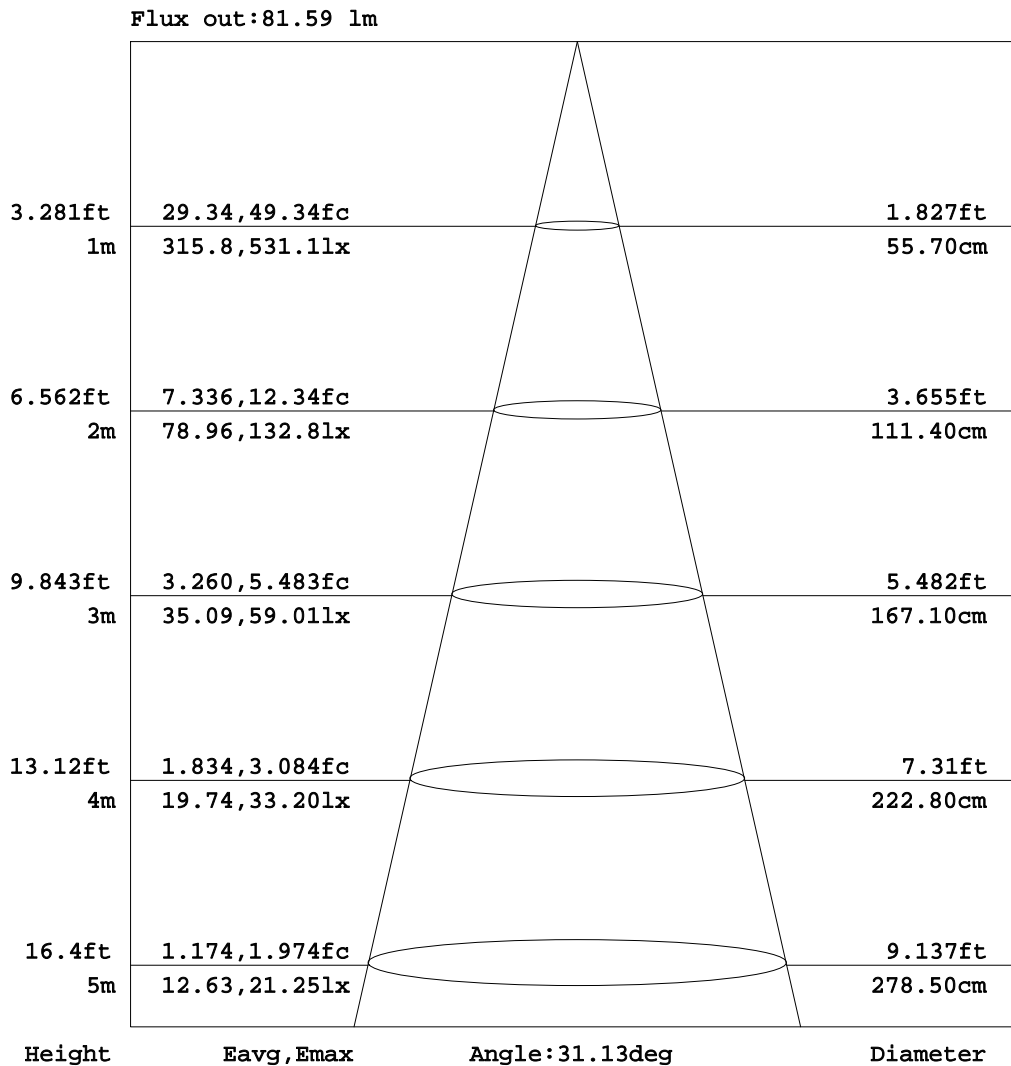


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

AAI Figure

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:



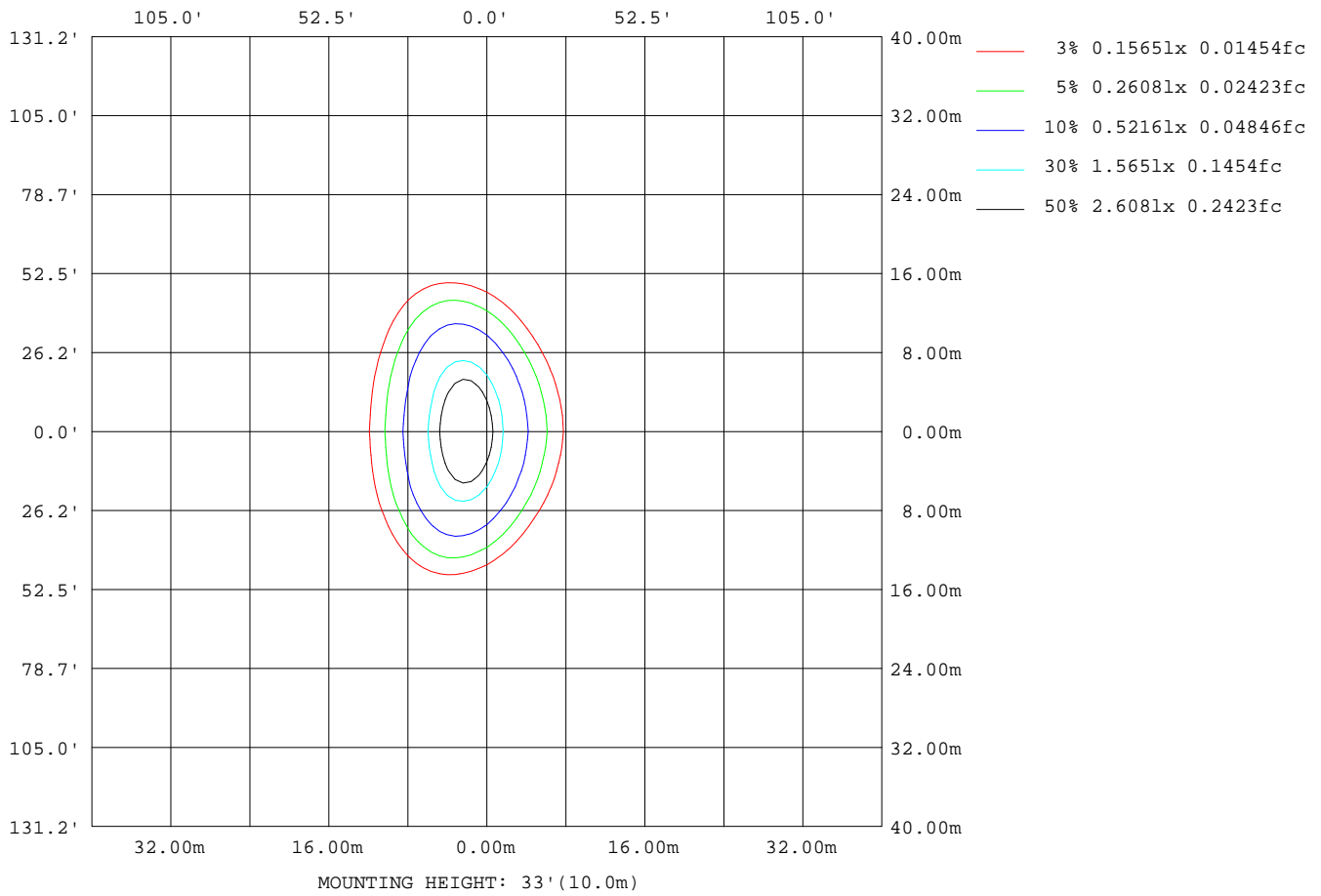
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

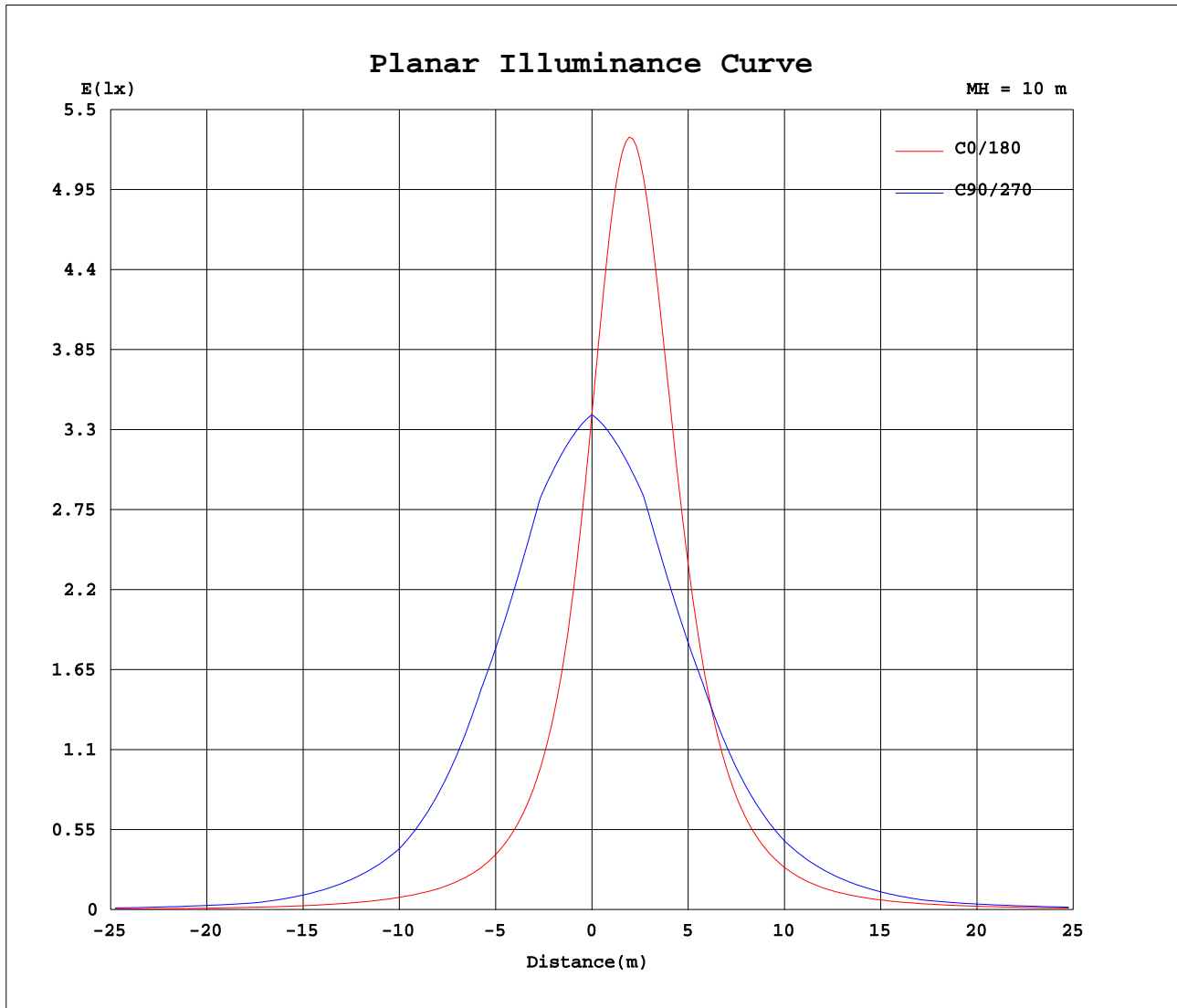
Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 10.237m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340
5	231	231	232	233	235	238	241	245	250	255	261	268	276	284	293	302	311	321	332
10	155	155	156	158	160	164	169	174	181	189	199	210	222	235	250	267	284	303	323
15	108	108	109	110	113	116	121	126	133	142	152	164	178	195	214	235	259	286	314
20	77.7	77.5	78.0	79.3	81.5	84.6	88.6	93.9	100	108	118	128	141	156	175	197	223	254	287
25	57.7	57.5	57.9	59.0	60.8	63.4	66.9	71.5	76.0	81.9	89.3	98.6	110	125	143	164	191	223	260
30	44.4	44.1	44.4	45.2	46.7	48.9	51.4	54.2	58.0	62.9	69.1	77.0	87.1	100.0	116	137	162	195	232
35	35.3	35.0	35.2	35.9	37.1	38.4	40.1	42.3	45.3	49.2	54.4	61.0	69.0	79.3	92.8	110	132	160	194
40	28.8	28.6	28.7	29.3	30.1	30.9	32.1	33.9	36.3	39.4	43.1	47.9	54.1	62.2	72.9	87.1	105	128	157
45	24.0	23.8	23.9	24.4	24.7	25.4	26.4	27.9	29.5	31.7	34.6	38.2	42.8	48.8	56.8	67.5	81.2	97.4	119
50	20.1	20.0	20.1	20.4	20.6	21.2	22.0	23.0	24.3	26.0	28.2	30.8	34.1	38.5	44.4	52.4	63.0	75.8	92.3
55	16.8	16.7	16.9	17.0	17.3	17.8	18.3	19.1	20.2	21.6	23.2	25.1	27.5	30.5	34.4	39.6	46.6	55.1	66.0
60	13.9	13.7	13.9	14.0	14.3	14.6	15.1	15.9	16.7	17.7	19.0	20.5	22.1	23.8	25.9	28.3	31.5	35.3	39.7
65	11.0	10.9	11.0	11.2	11.4	11.8	12.2	12.7	13.4	14.4	15.4	16.5	17.5	18.6	19.9	21.6	23.6	26.1	29.3
70	8.12	8.11	8.22	8.45	8.75	9.01	9.34	9.81	10.5	11.1	11.8	12.6	13.4	14.2	15.0	15.9	16.5	17.4	18.8
75	5.27	5.35	5.64	5.94	6.21	6.43	6.72	7.00	7.37	7.87	8.38	8.92	9.47	9.95	10.3	10.4	9.59	8.69	8.41
80	2.70	2.93	3.38	3.77	4.05	4.22	4.30	4.39	4.56	5.21	5.90	6.48	6.98	7.36	7.53	7.52	6.92	6.24	6.10
85	1.33	2.02	2.70	3.30	2.92	3.46	3.89	4.28	4.66	4.96	5.21	5.33	5.39	5.36	5.19	4.93	4.41	3.85	3.79
90	3.26	5.94	5.91	5.76	5.62	5.46	5.22	5.09	4.98	4.82	4.59	4.24	3.85	3.37	2.87	2.35	1.88	1.46	1.48
95	12.5	9.66	9.25	8.94	8.77	8.57	8.45	8.47	8.52	8.59	8.61	8.53	8.43	8.28	8.02	7.77	7.41	7.09	7.01
100	15.0	13.1	12.3	11.9	11.7	11.5	11.6	11.8	12.1	12.4	12.7	12.9	13.0	13.2	13.2	13.2	12.9	12.7	12.5
105	17.2	16.2	15.3	14.8	14.6	14.5	14.6	15.0	15.5	16.1	16.7	17.4	17.9	18.4	18.7	19.0	18.7	18.4	18.1
110	19.0	19.1	18.5	18.0	17.8	17.7	17.9	18.4	19.1	19.9	21.0	22.2	23.4	24.6	26.1	27.9	29.5	30.9	32.1
115	20.7	21.5	21.7	21.5	21.2	21.3	21.6	22.2	23.1	24.4	25.8	27.6	29.2	31.1	34.0	37.3	40.6	43.6	46.2
120	22.8	24.0	25.0	24.8	25.2	25.3	25.8	26.7	27.9	29.6	31.8	34.4	37.2	40.5	44.8	49.2	53.3	56.8	60.2
125	25.6	26.6	27.8	28.1	28.9	30.0	30.5	31.6	33.5	36.0	38.9	42.8	47.7	54.2	62.7	72.5	83.0	93.2	102
130	29.5	30.0	30.9	31.9	32.9	34.4	36.1	37.7	40.2	43.7	48.2	53.8	60.9	70.9	83.6	98.4	115	131	144
135	34.4	34.9	35.8	37.3	38.7	40.5	42.9	46.0	49.8	54.8	61.4	69.7	80.4	94.2	111	130	150	169	185
140	43.0	43.2	44.1	45.9	48.2	50.5	53.8	58.2	63.9	71.3	80.4	92.1	107	126	149	176	204	230	251
145	57.2	57.1	58.1	60.1	63.3	67.1	71.4	77.3	84.9	94.7	107	123	143	167	196	229	262	293	317
150	79.4	79.1	80.2	82.7	86.7	92.5	99.2	107	117	130	146	165	190	219	252	288	325	358	383
155	115	114	116	119	124	131	140	153	165	181	200	223	250	281	314	349	382	411	433
160	171	171	172	176	182	190	201	215	232	253	275	299	326	355	384	414	441	464	482
165	259	258	259	263	269	278	289	302	319	337	358	381	405	430	456	479	500	518	532
170	378	377	377	380	384	391	399	408	419	432	445	460	475	489	503	517	529	540	548
175	502	501	500	501	502	505	508	511	515	520	525	530	536	541	546	552	557	561	565
180	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	
0	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
5	342	353	363	374	384	394	404	413	421	429	436	443	448	453	458	461	463	465	463	
10	343	364	385	405	425	443	460	476	490	502	512	521	529	536	541	546	550	553	550	
15	344	374	404	432	458	480	499	514	526	534	540	544	546	548	550	552	555	559	555	
20	323	359	395	429	459	483	502	516	520	517	510	502	494	487	482	479	479	483	479	
25	298	338	376	410	435	453	463	463	458	448	437	417	399	385	374	367	365	368	365	
30	272	312	350	379	399	407	404	391	373	353	333	316	297	280	268	260	257	259	257	
35	231	268	303	329	345	347	336	314	289	264	242	224	209	196	184	177	175	176	175	
40	186	219	247	268	276	272	257	236	214	192	172	156	143	135	127	121	118	119	118	
45	140	165	187	203	207	201	187	169	151	136	122	109	99.6	92.8	88.2	83.6	81.8	82.4	81.9	
50	109	128	143	152	151	142	131	119	106	94.7	85.3	77.7	70.4	65.2	61.9	59.2	57.8	58.2	57.9	
55	77.7	91.1	103	109	108	102	93.0	82.9	73.6	66.4	60.1	54.8	50.7	47.1	44.6	43.4	42.2	42.6	42.4	
60	45.4	53.3	61.0	66.6	68.9	67.8	63.6	58.2	52.5	47.3	42.8	39.4	36.7	34.9	33.2	32.5	31.8	32.0	31.9	
65	33.3	38.1	41.8	43.7	43.9	42.6	40.3	38.9	36.5	33.6	31.0	28.8	27.1	25.9	25.3	24.7	24.5	24.7	24.6	
70	21.4	24.5	27.1	28.8	29.6	29.2	28.1	26.7	25.0	23.3	22.1	20.8	19.8	18.7	18.4	18.5	19.1	19.2	19.2	
75	9.38	10.6	12.2	14.0	15.7	16.6	16.8	16.7	16.5	16.1	15.3	14.1	13.0	12.1	11.4	11.7	13.5	14.6	14.5	
80	6.71	7.36	7.96	8.79	9.42	9.61	9.49	9.37	9.65	9.88	9.39	8.53	7.96	7.21	6.38	5.41	4.33	5.75	5.37	
85	4.12	4.51	4.89	5.43	5.88	6.01	5.99	5.92	6.06	5.96	5.42	4.79	4.50	4.31	3.85	2.91	1.92	0.93	1.79	
90	1.52	1.63	1.81	2.02	2.34	2.42	2.53	2.48	2.45	2.25	2.28	2.38	2.43	2.36	2.12	1.71	1.07	0.43	0.86	
95	7.02	7.06	7.07	6.92	6.65	6.06	5.24	4.61	3.95	3.24	2.68	2.15	1.46	1.12	1.25	0.85	0.78	0.66	0.87	
100	12.5	12.5	12.3	11.9	11.0	9.83	8.07	6.88	5.62	4.53	3.98	3.60	3.24	3.01	2.70	2.56	2.41	2.44	2.27	
105	18.1	18.3	18.5	18.0	17.0	15.5	13.3	11.6	10.1	8.77	7.74	7.01	6.37	6.01	5.66	5.45	5.26	5.22	5.28	
110	32.8	32.9	32.2	30.1	27.4	24.4	21.1	18.0	15.6	13.6	12.0	10.7	9.93	9.43	8.98	8.67	8.54	8.35	8.45	
115	47.5	47.7	46.3	42.7	38.5	34.1	29.8	25.8	22.2	19.3	17.0	15.3	13.9	13.1	12.6	12.1	11.9	11.5	11.5	
120	62.8	64.5	64.2	60.6	55.1	48.8	42.2	36.1	30.7	26.4	23.3	20.8	18.9	17.9	16.8	16.3	15.9	15.3	15.3	
125	107	106	101	91.3	79.9	68.6	58.3	49.2	42.0	35.8	31.3	27.8	25.5	23.5	22.2	21.4	20.8	19.8	19.7	
130	151	149	140	126	109	93.4	79.1	66.7	56.6	48.8	42.6	38.1	34.1	31.5	29.8	28.5	27.7	26.1	26.1	
135	195	195	185	168	147	126	107	90.3	77.1	66.8	58.8	51.8	46.7	43.2	41.0	38.9	37.9	35.2	35.3	
140	262	260	246	223	196	169	144	123	106	91.7	80.0	71.2	64.8	60.3	56.4	53.7	52.4	47.4	48.0	
145	330	328	312	287	257	225	195	167	144	125	111	99.9	91.6	84.9	79.5	76.1	74.4	67.5	68.1	
150	396	395	380	354	322	288	254	224	198	175	157	143	132	122	115	111	109	96.4	97.0	
155	445	446	436	416	389	359	328	298	271	247	227	207	192	180	172	166	164	146	147	
160	493	496	491	479	461	439	415	390	364	338	315	295	279	267	258	252	249	224	223	
165	540	544	542	535	524	509	492	474	455	437	420	405	392	381	373	369	367	338	338	
170	555	559	561	561	558	554	548	541	534	526	519	511	506	501	497	495	495	474	472	
175	568	572	574	576	578	579	580	580	580	580	580	580	579	579	579	579	580	581	567	565
180	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	571	571

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340
5	461	458	454	449	443	437	429	421	413	404	394	385	374	364	353	343	332	322	312
10	546	541	536	529	521	512	502	490	476	461	444	425	406	386	365	344	324	304	285
15	552	549	548	546	544	540	534	526	514	499	481	459	433	405	375	345	316	287	261
20	479	481	486	493	501	509	516	520	515	503	485	461	432	398	362	326	290	257	227
25	367	373	384	398	416	435	448	457	464	464	456	440	414	382	344	304	264	228	196
30	260	267	280	297	315	333	353	374	393	406	411	405	387	358	321	280	239	201	169
35	177	184	195	209	224	243	265	290	316	339	352	353	340	314	280	242	204	169	140
40	121	127	135	144	156	173	194	217	241	263	280	287	281	262	234	201	169	139	114
45	83.8	88.4	93.2	100	110	124	138	156	176	197	213	222	220	206	184	159	134	111	91.8
50	59.5	62.4	65.8	71.3	78.9	87.5	98.4	112	127	142	157	167	169	162	146	126	106	88.2	72.8
55	43.7	45.2	47.9	51.8	56.4	62.7	70.5	79.9	91.5	104	116	124	125	119	108	93.2	79.1	66.4	55.7
60	32.8	33.8	35.8	38.0	41.2	45.5	51.2	58.0	65.8	73.8	80.4	83.6	82.2	76.4	67.9	59.1	51.8	45.4	39.9
65	25.1	26.0	26.9	28.5	30.7	33.5	37.3	41.6	46.0	49.9	54.3	57.2	57.7	55.5	51.0	45.4	40.0	35.0	30.6
70	19.4	19.9	20.6	21.5	22.9	24.7	26.9	29.8	33.1	36.5	39.3	40.9	40.9	39.0	35.7	31.8	28.2	24.9	22.1
75	14.4	15.1	15.1	16.1	16.7	17.9	19.4	21.1	23.0	24.5	25.4	25.3	24.2	22.3	20.2	18.1	16.4	15.0	13.8
80	5.62	7.01	8.05	9.88	10.5	11.9	12.9	13.8	14.8	15.8	16.4	16.6	16.2	15.3	14.1	12.9	11.6	10.6	9.77
85	2.31	3.10	3.83	4.51	5.52	6.83	7.63	8.49	9.26	9.91	10.3	10.4	9.99	9.32	8.53	7.68	6.78	6.22	5.93
90	1.21	1.48	1.80	2.00	2.12	2.33	2.57	3.33	3.82	4.13	4.31	4.13	3.75	3.30	2.90	2.46	1.97	1.87	2.12
95	0.91	1.07	0.96	1.28	1.88	2.60	3.32	4.28	5.14	5.93	6.67	7.62	7.59	7.41	7.63	7.62	7.24	7.17	7.24
100	2.21	2.35	2.61	2.94	3.34	3.83	4.35	5.37	6.59	7.85	9.17	11.2	11.4	11.6	12.4	12.8	12.5	12.5	12.4
105	5.32	5.28	5.64	6.08	6.95	7.55	8.29	9.33	10.6	12.1	13.8	16.5	16.5	16.7	17.6	18.1	17.8	17.9	17.8
110	8.64	8.82	9.34	9.75	10.5	11.5	12.7	14.3	16.3	18.7	22.2	26.2	28.1	30.1	32.5	33.5	32.6	31.1	29.3
115	11.8	12.3	12.8	13.5	14.6	15.9	17.7	20.1	23.1	26.3	31.5	36.7	40.4	44.0	47.6	49.0	47.4	44.5	41.1
120	15.7	16.2	17.1	18.0	19.5	21.4	24.0	27.6	32.7	38.7	45.7	52.3	57.4	61.6	64.8	65.0	62.2	58.5	54.6
125	20.3	21.0	22.2	23.8	25.7	28.7	32.7	38.1	45.8	54.5	64.5	75.3	86.0	96.9	106	110	106	96.9	86.0
130	26.8	28.1	29.6	31.8	35.3	39.6	45.1	52.9	62.6	74.3	87.6	103	118	135	149	156	150	136	119
135	36.5	38.8	40.8	43.9	48.7	55.3	62.6	72.2	84.4	99.5	117	137	158	179	196	202	194	177	157
140	49.8	52.8	56.7	60.8	66.6	74.7	85.4	98.8	115	133	155	182	210	237	260	270	261	240	212
145	70.1	73.5	78.8	84.9	92.1	102	116	133	154	178	207	238	272	301	328	338	328	304	272
150	99.4	104	110	120	131	144	161	179	203	233	265	301	336	368	398	405	395	370	336
155	150	155	163	174	188	205	223	247	274	302	332	365	397	427	447	450	441	421	392
160	226	232	240	252	268	288	310	334	357	382	410	438	465	485	494	495	487	471	449
165	340	344	352	362	374	389	405	424	445	467	489	509	525	535	539	539	533	522	506
170	472	473	477	482	489	497	506	516	525	534	542	548	551	553	553	550	546	539	529
175	565	564	564	564	565	566	566	567	567	568	568	567	566	565	564	561	559	555	551
180	571	571	571	571	571	571	571	571	571	571	571	571	571	571	571	571	571	571	571

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0430A P:9.550W PF:0.9160 Lamp Flux:1042.44x1 lm		
NAME: SWL-10W-CC-W	TYPE:10W	WEIGHT:
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.:	SUR.:0.0855	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340				
5	302	293	284	276	269	262	256	250	245	241	238	235	233	232	231				
10	268	251	236	222	211	200	190	182	175	169	164	161	158	156	155				
15	237	215	196	180	165	153	143	134	127	121	117	113	110	109	108				
20	200	178	159	143	130	119	110	102	94.9	89.6	85.4	82.2	79.8	78.4	77.6				
25	169	146	128	113	101	91.5	83.8	77.6	72.8	68.1	64.4	61.6	59.6	58.3	57.7				
30	142	121	104	90.5	79.9	71.6	65.0	59.9	55.8	52.7	50.0	47.6	45.9	44.8	44.3				
35	117	98.3	83.9	72.9	64.2	57.1	51.5	47.2	43.9	41.4	39.6	38.0	36.6	35.7	35.3				
40	94.6	79.2	67.4	58.3	51.3	45.8	41.6	38.2	35.5	33.5	32.0	31.0	30.0	29.2	28.8				
45	76.0	63.7	54.4	47.1	41.5	37.3	33.9	31.3	29.4	27.7	26.4	25.6	25.0	24.3	24.0				
50	60.5	51.0	43.9	38.4	34.2	30.8	28.1	25.9	24.3	23.1	22.1	21.3	20.9	20.4	20.1				
55	47.1	40.3	35.1	31.1	27.9	25.4	23.4	21.6	20.2	19.2	18.5	17.8	17.4	17.2	16.8				
60	35.2	31.2	27.8	25.1	22.7	20.8	19.1	17.8	16.8	15.8	15.1	14.7	14.3	14.1	13.8				
65	27.0	24.0	21.7	19.8	18.2	16.7	15.4	14.2	13.4	12.7	12.2	11.7	11.5	11.2	11.0				
70	19.7	17.8	16.3	14.9	13.8	12.7	11.8	11.0	10.2	9.60	9.20	8.92	8.59	8.36	8.21				
75	12.8	11.9	11.1	10.3	9.61	8.91	8.24	7.61	7.10	6.77	6.43	6.17	5.98	5.69	5.43				
80	9.04	8.46	7.92	7.35	6.75	6.06	5.26	4.45	4.24	4.08	3.93	3.77	3.59	3.40	2.99				
85	5.69	5.60	5.48	5.37	5.18	4.95	4.56	4.10	3.72	3.24	2.78	2.20	2.59	2.24	1.85				
90	2.36	2.78	3.10	3.45	3.68	3.93	4.00	4.02	4.04	4.04	4.12	4.24	4.33	4.38	4.46				
95	7.33	7.45	7.60	7.65	7.60	7.54	7.32	7.13	6.91	6.77	6.72	6.77	6.70	6.71	6.51				
100	12.3	12.2	12.1	11.9	11.6	11.2	10.7	10.3	9.77	9.36	9.12	9.07	8.94	8.80	8.52				
105	17.7	17.4	17.1	16.5	15.7	14.9	14.0	13.2	12.5	11.9	11.5	11.2	11.0	10.8	10.6				
110	27.4	25.3	23.5	21.8	20.2	18.8	17.5	16.4	15.4	14.6	14.0	13.6	13.3	13.0	12.9				
115	37.4	33.8	30.5	27.7	25.3	23.3	21.5	19.9	18.6	17.6	16.8	16.2	15.9	15.5	15.3				
120	50.2	45.3	40.5	36.2	32.4	29.1	26.4	24.2	22.5	21.2	20.2	19.5	18.8	18.6	18.2				
125	74.7	64.2	55.0	47.5	41.4	36.6	32.8	29.8	27.4	25.7	24.4	23.4	22.7	22.3	21.8				
130	102	86.3	72.7	61.9	53.4	46.8	41.5	37.4	34.2	31.8	29.9	28.5	27.7	27.0	26.5				
135	135	115	97.3	82.5	70.7	61.3	53.9	48.3	43.9	40.3	37.6	35.8	34.7	33.4	32.9				
140	183	155	131	111	94.5	81.8	71.8	63.8	57.5	52.8	49.3	46.8	44.6	42.9	42.2				
145	238	204	174	148	127	110	96.7	86.1	77.9	71.7	67.1	63.2	59.8	57.7	56.8				
150	299	262	227	196	171	150	133	119	109	101	93.6	87.5	83.3	80.7	79.5				
155	359	324	289	258	229	205	185	169	156	143	133	125	120	117	115				
160	423	394	363	334	307	282	259	237	219	205	193	184	178	174	172				
165	486	463	438	412	388	364	343	324	307	293	281	272	266	262	260				
170	518	506	493	479	464	450	436	424	412	402	394	387	383	380	379				
175	547	543	538	533	528	523	519	514	510	507	504	502	500	499	499				
180	571	571	571	571	571	571	571	571	571	571	571	571	571	571	571				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-12-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks: