

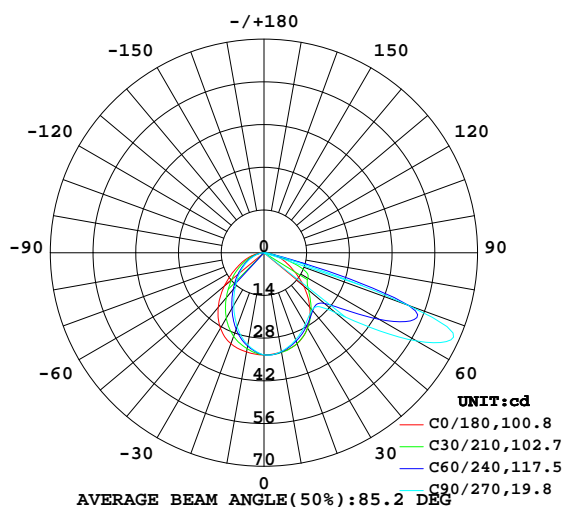
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:5.8020V I:0.4000A P:2.3207W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:99.7725x1 lm

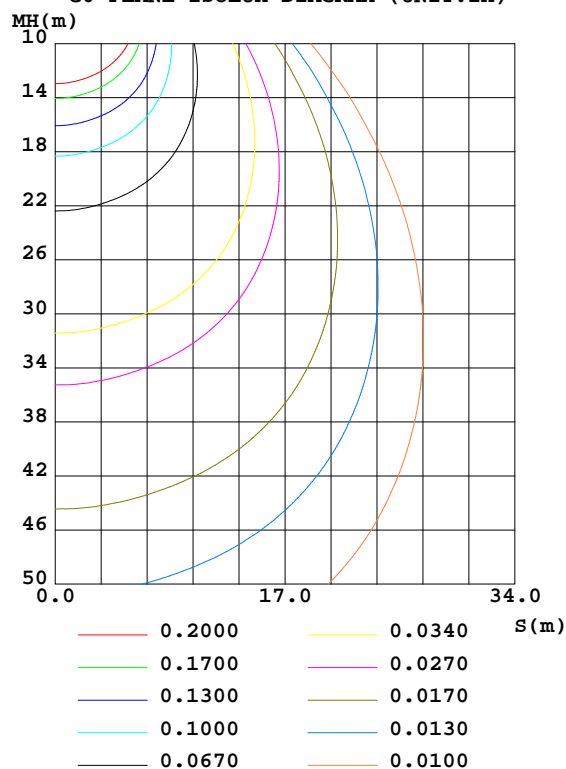
NAME: A2W10-30WT	TYPE: Recessed-mounted Luminaire	UPPER LIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WAC Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 42.99 lm/W
MODEL		Imax(cd)	68.00	S/MH(C0/180)	1.25	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.21	
RATED VOLTAGE(V)	6	TOTAL FLUX(lm)	99.773	η UP,DN(C0-180)	0.2,34.1	
NOMINAL FLUX(lm)	99.7725	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.2,65.5	
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	6	η down(%)	99.6	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Oliver
Test Date:2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:2.514m [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	33.00	31.41	30.66	31.37	32.98	33.09	32.84	33.13	0- 10	3.135	3.135	3.14,3.14
20	31.73	27.80	25.77	27.73	31.70	31.24	30.40	31.31	10- 20	8.780	11.92	11.9,11.9
30	28.53	22.64	19.88	22.54	28.45	28.30	27.12	28.48	20- 30	12.81	24.72	24.8,24.8
40	23.35	17.16	14.66	17.02	23.37	24.56	24.49	24.76	30- 40	14.65	39.38	39.5,39.5
50	16.98	12.36	10.46	12.22	17.03	22.17	30.52	22.06	40- 50	14.86	54.24	54.4,54.4
60	10.85	8.150	6.816	7.980	10.83	28.78	57.89	27.85	50- 60	16.66	70.90	71.1,71.1
70	6.401	4.585	3.835	4.420	6.348	25.73	49.61	25.65	60- 70	19.90	90.80	91,91
80	2.620	1.718	1.439	1.585	2.489	2.632	2.006	2.983	70- 80	7.762	98.56	98.8,98.8
90	0.1821	0	0	0	0.0777	0	0	0	80- 90	0.8522	99.41	99.6,99.6
100	0.1980	0	0	0	0.0919	0	0	0	90-100	0.0085	99.42	99.7,99.7
110	0.2047	0	0	0	0.0965	0	0	0	100-110	0.0088	99.43	99.7,99.7
120	0.2022	0.0185	0.0115	0.0045	0.1095	0	0	0	110-120	0.0100	99.44	99.7,99.7
130	0.2060	0.0555	0.0528	0.0550	0.1351	0.0320	0	0.0363	120-130	0.0263	99.47	99.7,99.7
140	0.2076	0.0886	0.1016	0.1118	0.1704	0.0803	0.0281	0.0847	130-140	0.0528	99.52	99.7,99.7
150	0.2366	0.1846	0.1862	0.1933	0.2190	0.2237	0.0640	0.2240	140-150	0.0821	99.60	99.8,99.8
160	0.2379	0.2006	0.3253	0.2834	0.2252	0.4485	0.0981	0.4485	150-160	0.1076	99.71	99.9,99.9
170	0.0490	0.0372	0.0713	0.0620	0	0.0565	0.0865	0.1481	160-170	0.0589	99.77	100,100
180	0	0	0	0	0	0	0	0	170-180	0.0025	99.77	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 46.805 lm

%lum = 46.9%

%lamp = 46.9%

Conical surface Flux(120deg): 70.897 lm

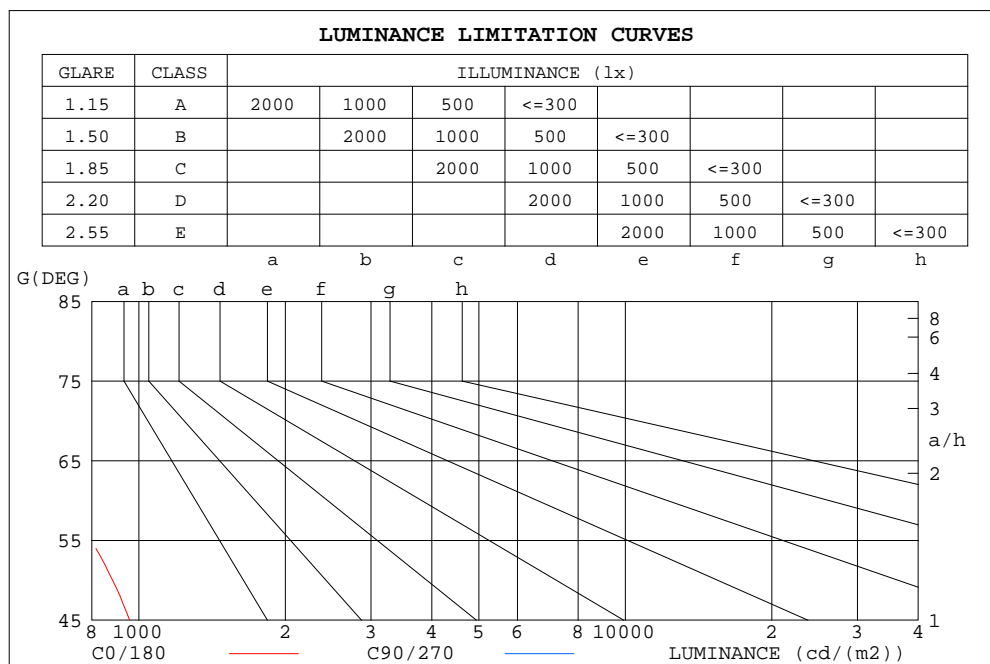
%lum = 71.1%

%lamp = 71.1%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Oliver
 Test Date:2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:2.514m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES



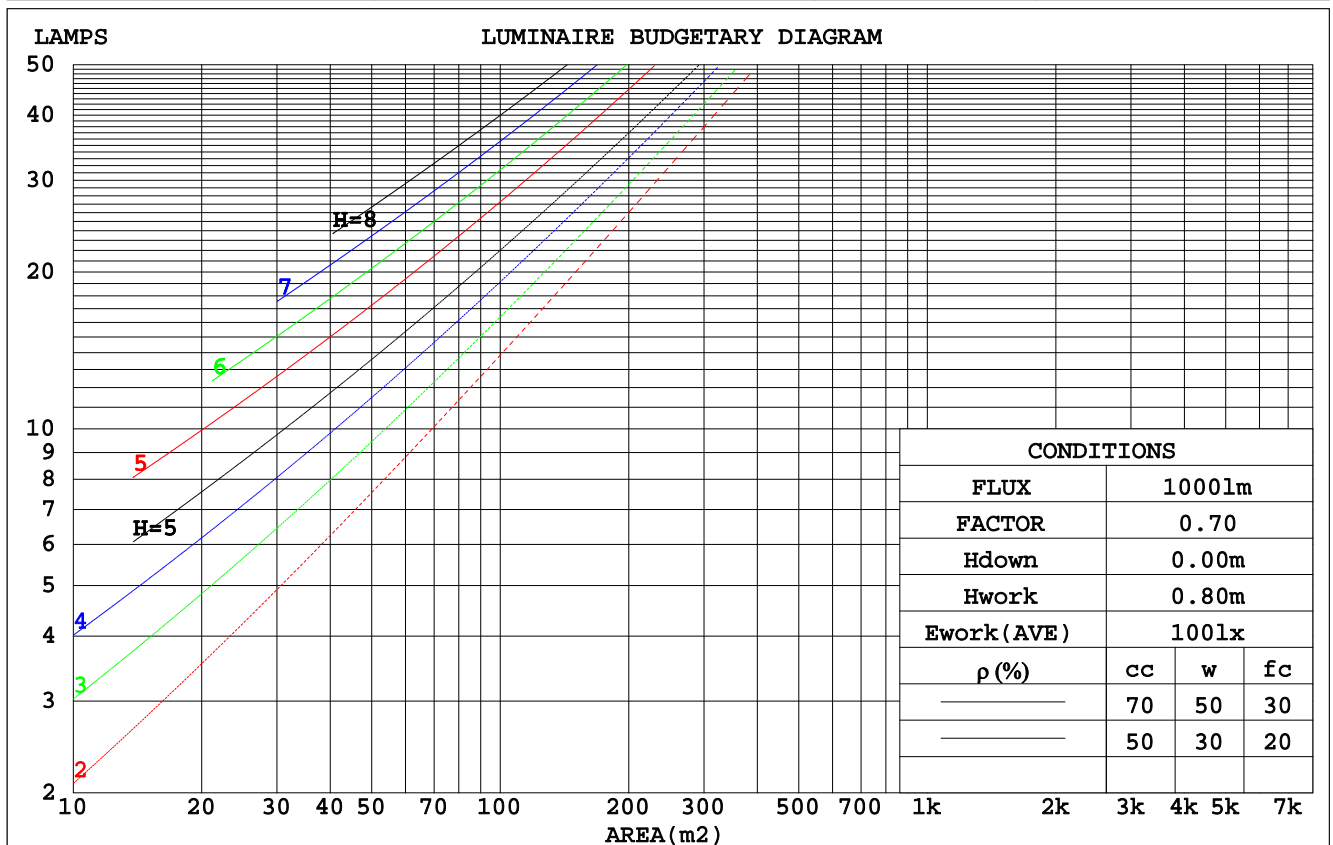
LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	379	105
80	504	276
75	579	330
70	626	373
65	671	414
60	725	454
55	799	496
50	883	542
45	957	591

C Range: 0 - 360°
C Interval: 10.0°
Test Speed: HIGH
Temperature: 25.3°
Operators: Oliver
Test Date: 2020-09-11

γ Range: 0 - 180°
γ Interval: 1.0°
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 2.514m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

pcc	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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.87	.89	.87	.85	.82
2.0	.89	.81	.75	.87	.80	.74	.83	.77	.73	.80	.75	.71	.77	.73	.69	.67
3.0	.77	.68	.61	.75	.67	.61	.72	.65	.60	.69	.63	.58	.67	.62	.57	.55
4.0	.67	.58	.51	.66	.57	.51	.63	.56	.50	.61	.54	.49	.59	.53	.48	.46
5.0	.60	.50	.43	.59	.50	.43	.56	.49	.43	.54	.47	.42	.52	.46	.42	.39
6.0	.54	.44	.38	.53	.44	.37	.51	.43	.37	.49	.42	.37	.47	.41	.36	.34
7.0	.49	.39	.33	.48	.39	.33	.46	.38	.33	.45	.38	.32	.43	.37	.32	.30
8.0	.44	.35	.29	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.27
9.0	.41	.32	.26	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.24
10.0	.37	.29	.24	.37	.29	.24	.36	.29	.24	.35	.28	.24	.34	.28	.23	.22



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks:

WEC AND CCEC

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	.321	.183	.058	.314	.179	.057	.301	.172	.055	.288	.166	.053	.277	.160	.052	
2.0	.308	.169	.052	.301	.166	.051	.289	.161	.050	.278	.156	.049	.268	.151	.048	
3.0	.285	.152	.045	.279	.150	.045	.269	.146	.044	.259	.142	.043	.249	.138	.043	
4.0	.262	.136	.040	.257	.135	.040	.248	.131	.039	.239	.128	.039	.230	.125	.038	
5.0	.241	.123	.036	.237	.121	.035	.228	.119	.035	.220	.116	.035	.213	.114	.034	
6.0	.222	.111	.032	.218	.110	.032	.211	.108	.031	.204	.106	.031	.197	.104	.031	
7.0	.206	.102	.029	.202	.101	.029	.196	.099	.028	.189	.097	.028	.183	.095	.028	
8.0	.192	.094	.026	.188	.093	.026	.182	.091	.026	.177	.089	.026	.171	.088	.026	
9.0	.179	.086	.024	.176	.086	.024	.171	.084	.024	.165	.083	.024	.161	.082	.024	
10.0	.168	.080	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.151	.076	.022	

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.184	.159	.136	.157	.136	.117	.108	.094	.081	.062	.054	.047	.020	.017	.015	
2.0	.177	.135	.099	.152	.116	.085	.104	.080	.060	.060	.047	.035	.019	.015	.011	
3.0	.170	.117	.075	.146	.101	.065	.100	.070	.046	.058	.041	.027	.019	.013	.009	
4.0	.163	.104	.059	.140	.090	.051	.096	.063	.036	.056	.037	.021	.018	.012	.007	
5.0	.155	.094	.048	.133	.081	.042	.092	.057	.030	.053	.033	.018	.017	.011	.006	
6.0	.148	.086	.041	.127	.074	.035	.088	.052	.025	.051	.031	.015	.016	.010	.005	
7.0	.141	.079	.035	.121	.068	.031	.084	.048	.022	.049	.028	.013	.016	.009	.004	
8.0	.134	.073	.031	.116	.063	.027	.080	.044	.019	.046	.026	.011	.015	.009	.004	
9.0	.128	.068	.027	.110	.059	.024	.076	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.122	.064	.025	.105	.055	.022	.073	.039	.015	.043	.023	.009	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

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	10.6	12.2	10.9	12.4	12.7	8.3	9.9	8.5	10.1	10.3
3H	11.9	13.4	12.2	13.6	13.9	9.3	10.8	9.6	11.0	11.3
4H	12.4	13.8	12.7	14.1	14.4	9.7	11.1	10.0	11.4	11.7
6H	12.8	14.1	13.1	14.4	14.7	10.0	11.3	10.3	11.6	11.9
8H	12.9	14.2	13.2	14.4	14.8	10.0	11.3	10.4	11.6	11.9
12H	12.9	14.1	13.3	14.5	14.8	10.0	11.2	10.4	11.5	11.9
4H 2H	10.8	12.2	11.2	12.5	12.8	8.9	10.3	9.2	10.6	10.9
3H	12.3	13.5	12.6	13.8	14.1	10.1	11.4	10.5	11.7	12.0
4H	12.9	14.0	13.3	14.4	14.7	10.6	11.8	11.0	12.1	12.4
6H	13.4	14.4	13.8	14.8	15.1	11.0	12.0	11.4	12.4	12.7
8H	13.5	14.5	14.0	14.9	15.3	11.1	12.0	11.5	12.4	12.8
12H	13.6	14.5	14.1	14.9	15.3	11.1	12.0	11.5	12.4	12.8
8H 4H	13.0	13.9	13.4	14.3	14.7	10.9	11.9	11.3	12.2	12.6
6H	13.6	14.4	14.0	14.8	15.2	11.4	12.2	11.9	12.6	13.0
8H	13.8	14.5	14.3	14.9	15.4	11.6	12.2	12.0	12.7	13.1
12H	13.9	14.5	14.4	15.0	15.4	11.6	12.2	12.1	12.6	13.1
12H 4H	13.0	13.8	13.4	14.2	14.6	10.9	11.8	11.4	12.2	12.6
6H	13.6	14.3	14.1	14.7	15.2	11.5	12.2	11.9	12.6	13.0
8H	13.8	14.4	14.3	14.9	15.3	11.6	12.2	12.1	12.7	13.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.7 / - 0.8					+ 0.3 / - 0.5				

CIE Pub.117, 99.77 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -8.0)

Area: 0.03 m2

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks:

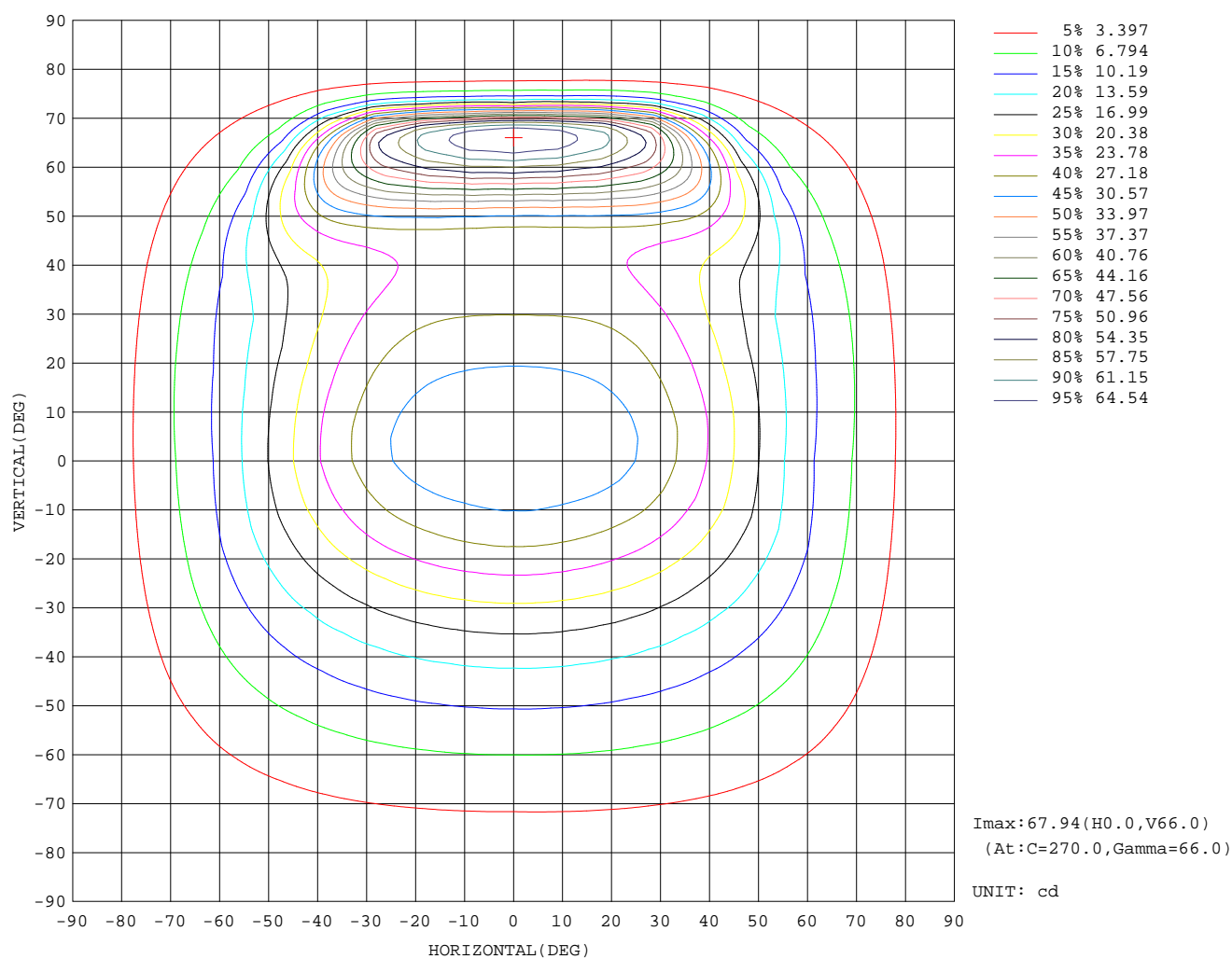
UTILIZATION FACTORS TABLE

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	55	43	36	55	43	36	53	43	36	29
0.80	65	53	45	64	52	45	62	51	44	37
1.00	73	61	53	71	60	53	69	62	52	45
1.25	80	69	61	78	68	60	76	66	60	52
1.50	85	75	67	83	74	66	80	72	65	57
2.00	93	83	76	91	82	76	87	80	74	66
2.50	97	89	82	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	95	89	85	76
4.00	106	100	95	103	98	94	99	95	91	82
5.00	109	104	100	106	102	98	101	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: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks:

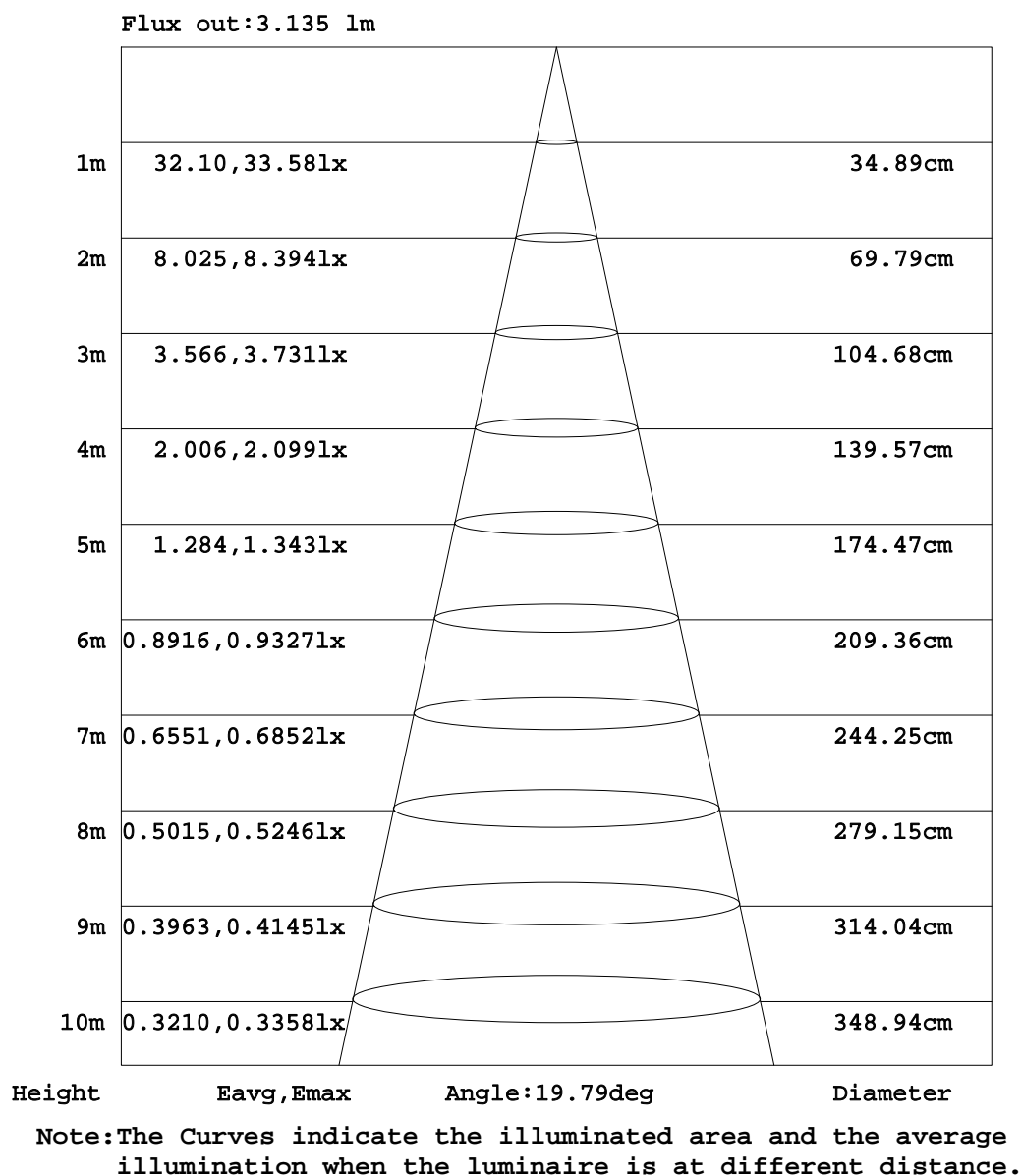
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 2.514m [K=1.0000]
Remarks:

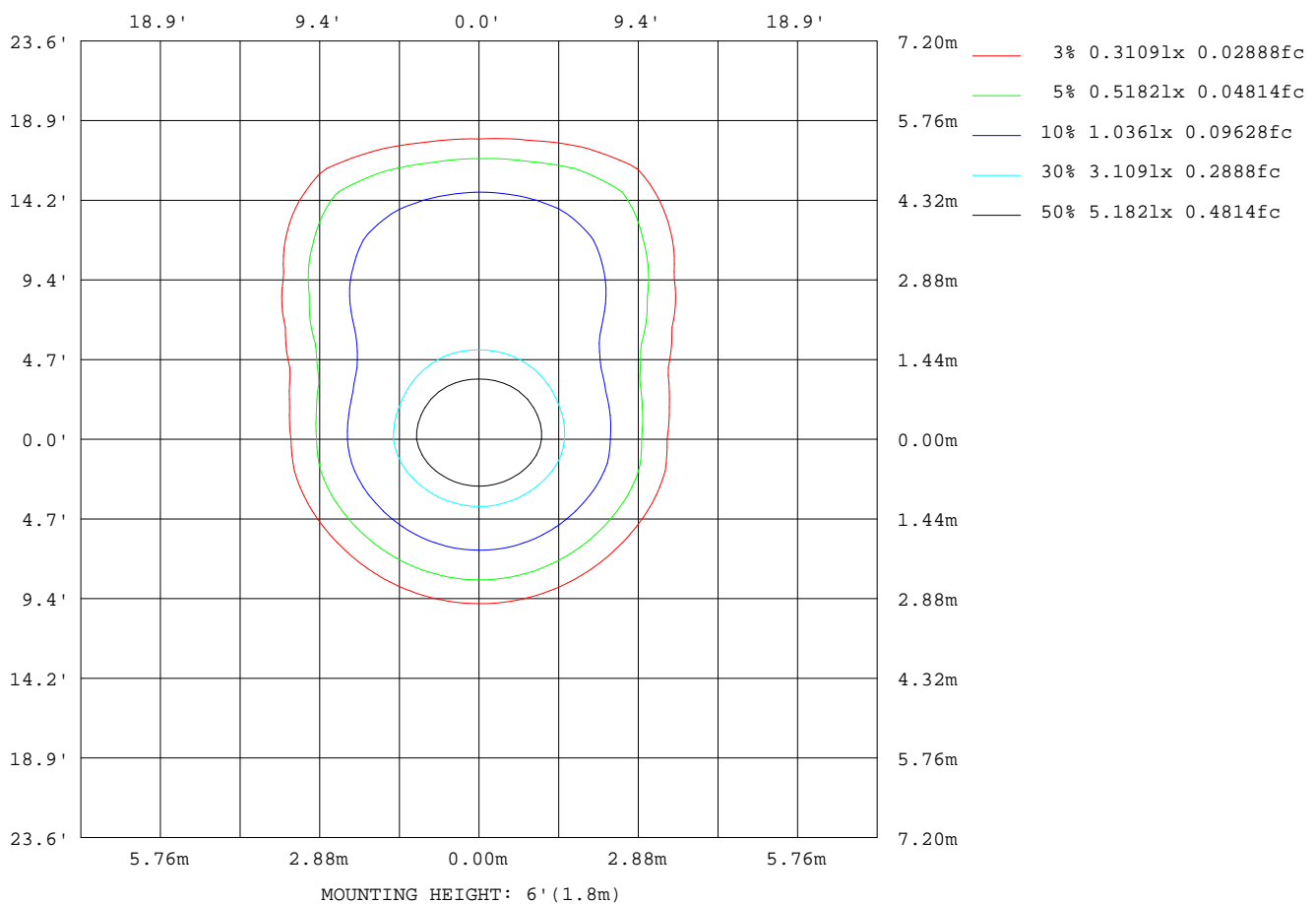
AAI Figure



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
Test Date: 2020-09-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 2.514m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:5.8020V I:0.4000A P:2.3207W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:99.7725x1 lm		
NAME: A2W10-30WT	TYPE: Recessed-mounted Luminaire	HEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WAC Lighting	SUR.:	Shielding Angle:

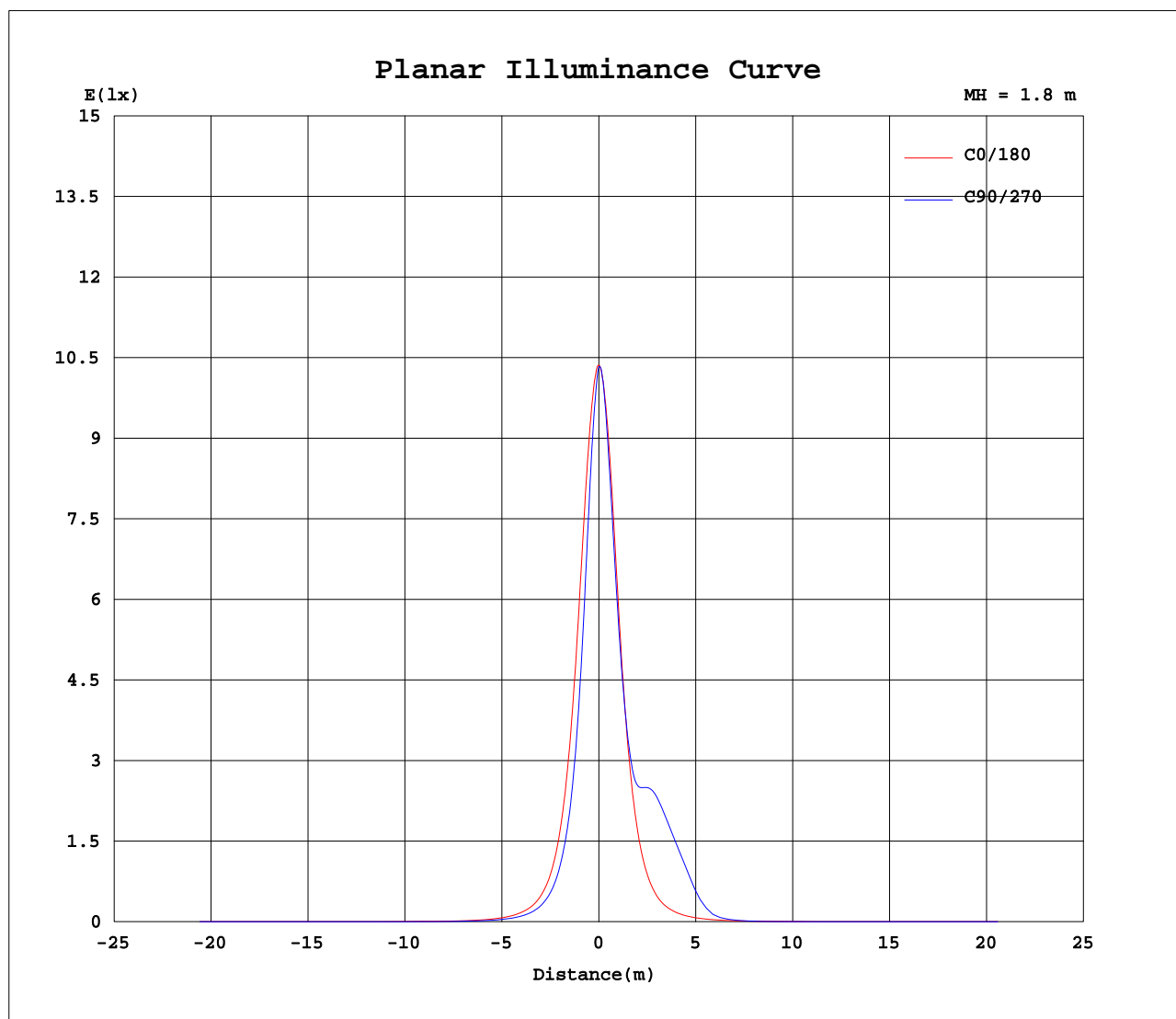
AvgL	cd/m2
L_0~180(65)av	667
L_0~180(75)av	571
L_0~180(85)av	357
L_90~270(65)av	2873
L_90~270(75)av	709
L_90~270(85)av	222
L_45(65)av	1472
L_45(75)av	860
L_45(85)av	243

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Oliver
 Test Date:2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:2.514m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 2.514m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
5	33.3	33.3	33.1	32.9	32.8	32.6	32.5	32.4	32.4	32.3	32.4	32.4	32.5	32.6	32.7	32.9	33.1	33.2	33.4
10	33.0	32.7	32.3	32.0	31.6	31.3	31.0	30.8	30.7	30.7	30.7	30.8	31.0	31.2	31.5	31.9	32.3	32.7	33.0
15	32.5	32.0	31.4	30.7	30.1	29.6	29.1	28.8	28.6	28.5	28.6	28.7	29.1	29.5	30.0	30.7	31.3	32.0	32.5
20	31.7	31.0	30.1	29.1	28.2	27.4	26.7	26.2	25.9	25.8	25.9	26.1	26.7	27.3	28.1	29.1	30.0	30.9	31.7
25	30.4	29.6	28.4	27.1	25.9	24.8	23.9	23.3	22.9	22.8	22.9	23.2	23.9	24.7	25.8	27.0	28.3	29.4	30.4
30	28.5	27.6	26.3	24.7	23.3	22.0	21.1	20.4	20.0	19.9	20.0	20.3	21.0	21.9	23.1	24.6	26.1	27.4	28.5
35	26.1	25.2	23.7	22.0	20.5	19.2	18.3	17.7	17.3	17.2	17.3	17.6	18.2	19.1	20.3	21.9	23.5	25.0	26.1
40	23.3	22.5	21.0	19.2	17.7	16.6	15.7	15.1	14.8	14.7	14.7	15.1	15.6	16.5	17.6	19.1	20.8	22.3	23.4
45	20.2	19.6	18.1	16.5	15.1	14.1	13.4	12.9	12.7	12.6	12.6	12.8	13.3	13.9	15.0	16.3	17.9	19.3	20.3
50	17.0	16.7	15.3	13.8	12.8	11.9	11.3	10.8	10.6	10.5	10.5	10.8	11.2	11.8	12.6	13.7	15.1	16.4	17.0
55	13.7	13.7	12.7	11.5	10.6	9.82	9.26	8.88	8.65	8.55	8.61	8.81	9.17	9.67	10.4	11.3	12.5	13.4	13.8
60	10.8	11.1	10.2	9.23	8.45	7.85	7.40	7.09	6.90	6.82	6.87	7.03	7.31	7.71	8.25	9.02	9.95	10.8	10.8
65	8.48	8.48	7.83	7.10	6.51	6.06	5.72	5.48	5.32	5.25	5.29	5.40	5.62	5.91	6.31	6.88	7.56	8.20	8.44
70	6.40	6.18	5.66	5.15	4.74	4.43	4.19	4.02	3.90	3.84	3.87	3.95	4.10	4.29	4.55	4.93	5.40	5.93	6.35
75	4.48	4.18	3.75	3.41	3.16	2.97	2.82	2.71	2.62	2.56	2.60	2.65	2.73	2.84	2.98	3.21	3.51	3.95	4.38
80	2.62	2.36	2.10	1.89	1.76	1.67	1.60	1.55	1.48	1.44	1.46	1.49	1.52	1.56	1.61	1.72	1.89	2.14	2.49
85	0.99	0.75	0.66	0.56	0.50	0.43	0.36	0.32	0.30	0.28	0.27	0.26	0.29	0.32	0.38	0.44	0.39	0.57	0.88
90	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
95	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
100	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
105	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
110	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
115	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
120	0.20	0.02	0.02	0.00	0.02	0.02	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.11
125	0.20	0.04	0.04	0.02	0.04	0.04	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.03	0.03	0.00	0.03	0.12
130	0.21	0.02	0.06	0.05	0.05	0.06	0.04	0.06	0.05	0.05	0.05	0.05	0.01	0.05	0.06	0.06	0.01	0.06	0.14
135	0.21	0.09	0.08	0.07	0.04	0.09	0.07	0.06	0.08	0.08	0.08	0.04	0.08	0.08	0.08	0.08	0.02	0.08	0.15
140	0.21	0.08	0.10	0.09	0.07	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.05	0.11	0.17
145	0.20	0.09	0.09	0.07	0.09	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.07	0.15	0.19
150	0.24	0.19	0.16	0.08	0.18	0.19	0.19	0.19	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.10	0.19	0.22
155	0.25	0.24	0.23	0.07	0.24	0.17	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.00	0.23	0.23
160	0.24	0.25	0.25	0.06	0.17	0.24	0.30	0.31	0.32	0.33	0.32	0.31	0.30	0.28	0.28	0.27	0.00	0.23	0.23
165	0.19	0.22	0.14	0.00	0.11	0.16	0.20	0.21	0.22	0.22	0.22	0.21	0.20	0.19	0.19	0.20	0.06	0.00	0.19
170	0.05	0.03	0.00	0.00	0.03	0.04	0.06	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.00	0.00
175	0.00	0.00	0.00	0.00	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5		
5	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.6	33.6	33.5	33.5	33.5	33.4		
10	33.1	33.2	33.2	33.1	33.0	33.0	32.9	32.8	32.8	32.8	32.9	33.0	33.1	33.2	33.2	33.2	33.1		
15	32.7	32.7	32.6	32.4	32.2	32.0	31.9	31.8	31.8	31.8	31.9	32.0	32.2	32.5	32.7	32.8	32.7		
20	32.0	31.9	31.7	31.4	31.1	30.8	30.6	30.4	30.4	30.4	30.6	30.9	31.2	31.5	31.8	32.0	32.0		
25	30.7	30.6	30.3	30.1	29.8	29.4	29.1	28.9	28.8	28.9	29.1	29.5	29.8	30.2	30.5	30.8	30.8		
30	28.8	28.7	28.6	28.4	28.2	27.9	27.5	27.2	27.1	27.2	27.5	27.9	28.3	28.6	28.8	29.0	29.0		
35	26.4	26.3	26.4	26.5	26.4	26.3	25.9	25.7	25.6	25.7	26.0	26.4	26.6	26.7	26.7	26.7	26.7		
40	23.6	23.7	24.0	24.5	24.7	24.8	24.8	24.6	24.5	24.6	24.8	24.9	24.8	24.7	24.3	24.1	24.0		
45	20.5	20.7	21.5	22.4	23.3	24.1	24.8	25.0	24.9	24.9	24.6	24.1	23.4	22.6	21.8	21.1	20.9		
50	17.3	17.8	19.1	21.0	23.3	25.9	28.3	30.1	30.5	29.8	27.9	25.4	23.1	21.1	19.3	18.2	17.7		
55	14.2	15.1	17.3	21.3	26.7	32.8	38.2	41.8	42.8	41.3	37.4	31.9	25.9	20.9	17.4	15.4	14.6		
60	11.5	12.9	16.6	23.8	33.7	43.7	51.5	56.5	57.9	55.9	50.6	42.5	32.6	23.1	16.4	13.0	11.8		
65	9.26	10.8	15.5	24.6	39.1	52.9	61.3	66.0	67.6	65.9	60.9	52.0	38.1	24.0	15.2	10.9	9.49		
70	7.10	8.09	10.8	18.3	33.2	50.4	52.7	50.0	49.6	51.6	55.0	50.9	32.9	18.4	11.0	8.34	7.35		
75	4.91	5.22	5.66	7.35	12.5	13.3	10.5	8.79	8.44	9.18	11.8	14.9	13.7	7.86	6.01	5.61	5.20		
80	2.69	2.72	2.76	2.74	2.53	2.14	2.05	2.01	2.01	2.05	2.14	2.32	2.91	3.06	3.09	3.11	3.00		
85	0.83	0.81	0.79	0.78	0.80	0.84	0.86	0.87	0.89	0.90	0.93	0.94	0.93	0.94	0.97	1.03	1.04		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02		
120	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04		
125	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.00	0.03		
130	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.03	0.03	0.03	0.04	0.05	0.05	0.07		
135	0.08	0.07	0.06	0.06	0.05	0.05	0.05	0.01	0.01	0.00	0.05	0.05	0.06	0.06	0.07	0.08	0.08		
140	0.11	0.10	0.09	0.08	0.08	0.08	0.07	0.05	0.03	0.02	0.07	0.08	0.08	0.09	0.10	0.10	0.12		
145	0.14	0.13	0.12	0.14	0.15	0.14	0.12	0.07	0.05	0.04	0.12	0.14	0.15	0.13	0.13	0.14	0.15		
150	0.17	0.21	0.23	0.22	0.22	0.20	0.17	0.12	0.06	0.07	0.17	0.21	0.23	0.22	0.22	0.20	0.18		
155	0.19	0.26	0.37	0.35	0.32	0.26	0.22	0.19	0.07	0.10	0.22	0.27	0.32	0.36	0.37	0.27	0.20		
160	0.19	0.19	0.34	0.45	0.44	0.37	0.31	0.26	0.10	0.14	0.30	0.37	0.43	0.47	0.41	0.25	0.19		
165	0.18	0.14	0.15	0.27	0.40	0.43	0.37	0.30	0.11	0.15	0.20	0.39	0.45	0.41	0.27	0.16	0.16		
170	0.03	0.05	0.03	0.03	0.09	0.15	0.18	0.10	0.09	0.17	0.12	0.13	0.18	0.12	0.04	0.03	0.04		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks: