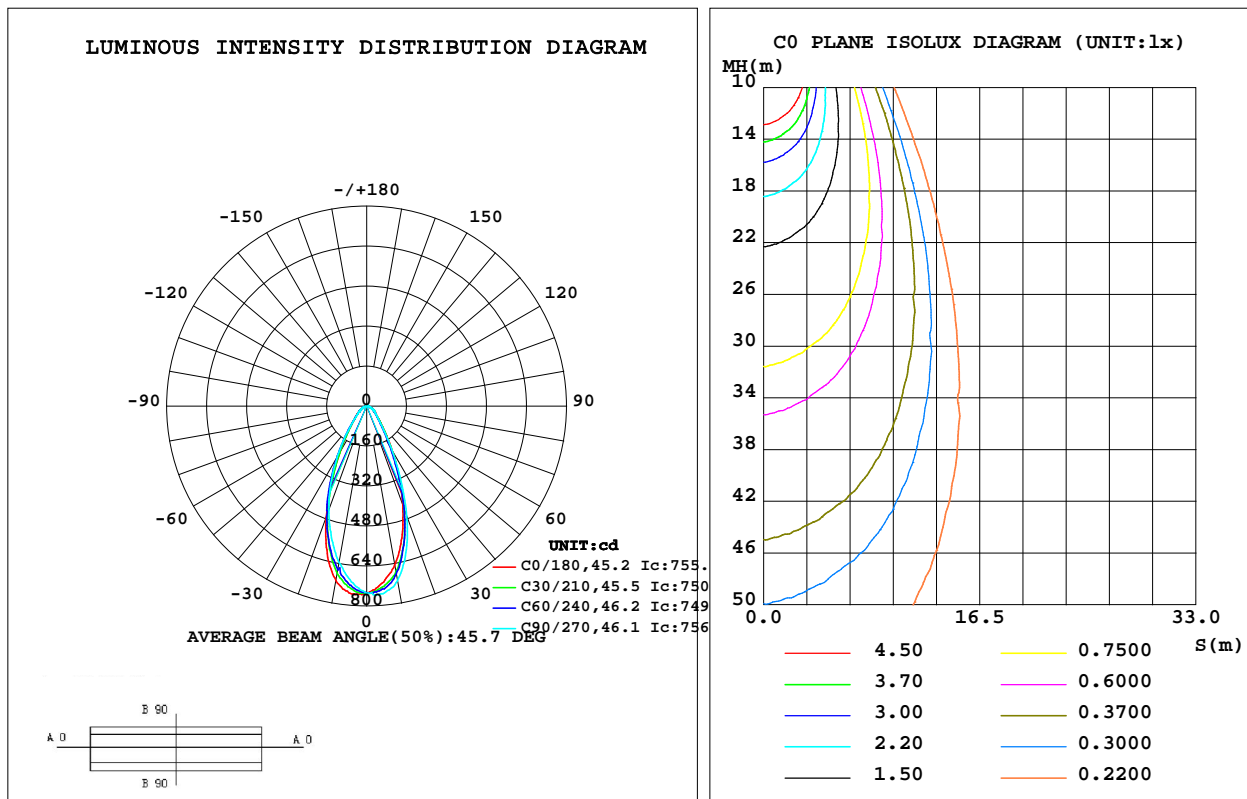


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.12 lm/W
MODEL	AC COB	I _{max} (cd)	768.9	S/MH(C0/180)	0.74	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.72	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	584.48	η UP, DN(C0-180)	0.9,49.6	
NOMINAL FLUX(lm)	584.479	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8,48.7	
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	120	η down(%)	98.3	CIBSE SHR MAX	0.75	



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [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
5	711.3	729.0	753.3	764.6	752.1	730.2	705.5	691.7	0- 5	17.65	17.65	3.02,3.02
10	646.8	675.4	709.7	737.0	709.1	673.6	635.9	612.5	5- 10	50.23	67.88	11.6,11.6
15	546.8	569.5	607.4	646.7	611.6	580.9	546.3	516.4	10- 15	74.28	142.2	24.3,24.3
20	423.4	434.0	471.1	509.2	476.4	469.0	444.8	411.8	15- 20	84.85	227.0	38.8,38.8
25	303.0	297.7	322.2	353.3	330.8	344.5	340.7	307.8	20- 25	81.16	308.2	52.7,52.7
30	204.3	190.2	203.7	224.7	217.7	233.8	236.5	210.4	25- 30	67.28	375.5	64.2,64.2
35	132.9	119.6	124.9	138.7	139.0	148.9	152.9	133.4	30- 35	50.66	426.1	72.9,72.9
40	87.66	80.74	82.18	89.90	91.84	93.88	94.52	83.37	35- 40	36.46	462.6	79.1,79.1
45	61.83	58.46	60.73	64.24	65.40	64.52	63.30	57.20	40- 45	27.19	489.8	83.8,83.8
50	46.84	45.13	46.84	48.36	49.11	47.72	46.38	42.66	45- 50	21.66	511.4	87.5,87.5
55	36.81	34.85	36.46	37.49	38.15	36.64	35.97	32.93	50- 55	17.83	529.2	90.6,90.6
60	28.70	26.78	27.68	28.38	29.32	28.15	28.04	25.50	55- 60	14.66	543.9	93.1,93.1
65	21.65	19.19	19.82	20.74	21.67	20.95	21.07	18.89	60- 65	11.64	555.5	95.1,95.1
70	15.49	13.13	13.50	14.53	15.40	14.92	15.02	13.28	65- 70	8.743	564.3	96.5,96.5
75	9.209	6.954	7.233	8.021	9.128	7.876	6.413	7.256	70- 75	5.686	570.0	97.5,97.5
80	5.896	3.531	3.030	3.681	5.856	3.613	3.043	3.569	75- 80	3.050	573.0	98.98
85	1.862	0.1857	0.1150	0.1809	3.436	0.1637	0.0866	0.2021	80- 85	1.240	574.3	98.3,98.3
90	1.266	0.0834	0.0834	0.0777	1.623	0.0806	0.0777	0.0820	85- 90	0.2558	574.5	98.3,98.3
95	1.292	0.1251	0.1209	0.1170	1.553	0.1193	0.1179	0.1266	90- 95	0.1902	574.7	98.3,98.3
100	1.343	0.1754	0.1727	0.1668	1.432	0.1626	0.1696	0.1755	95-100	0.2010	574.9	98.4,98.4
105	1.444	0.2488	0.2476	0.2216	1.387	0.2287	0.2329	0.2474	100-105	0.2239	575.1	98.4,98.4
110	1.542	0.3495	0.3482	0.3122	1.407	0.3136	0.3163	0.3424	105-110	0.2666	575.4	98.4,98.4
115	1.694	0.4991	0.4923	0.4460	1.505	0.4387	0.4456	0.4790	110-115	0.3254	575.7	98.5,98.5
120	1.832	0.7177	0.7140	0.6472	1.626	0.6099	0.6268	0.6804	115-120	0.3856	576.1	98.6,98.6
125	2.079	1.028	1.030	0.9291	1.833	0.8732	0.9057	0.9811	120-125	0.4693	576.6	98.6,98.6
130	2.461	1.444	1.425	1.293	2.150	1.236	1.299	1.395	125-130	0.5834	577.2	98.7,98.7
135	2.945	1.957	1.914	1.753	2.581	1.710	1.791	1.923	130-135	0.7171	577.9	98.9,98.9
140	3.500	2.537	2.472	2.290	3.057	2.257	2.369	2.520	135-140	0.8504	578.7	99.99
145	4.087	3.134	3.064	2.862	3.666	2.839	2.979	3.126	140-145	0.9597	579.7	99.2,99.2
150	4.662	3.708	3.640	3.432	4.245	3.412	3.549	3.684	145-150	1.019	580.7	99.4,99.4
155	5.117	4.178	4.137	3.944	4.785	3.894	3.995	4.104	150-155	1.009	581.7	99.5,99.5
160	5.434	4.512	4.523	4.374	5.176	4.264	4.329	4.414	155-160	0.9235	582.6	99.7,99.7
165	5.630	4.731	4.790	4.682	5.478	4.501	4.534	4.531	160-165	0.7740	583.4	99.8,99.8
170	5.773	4.879	4.896	4.860	5.670	4.638	4.614	4.611	165-170	0.5789	584.0	99.9,99.9
175	5.854	5.034	4.980	5.011	5.803	4.870	4.761	4.831	170-175	0.3576	584.4	100,100
180	5.963	5.057	5.008	5.027	5.961	5.053	5.011	5.027	175-180	0.1228	584.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 489.76 lm

%lum = 83.8%
%lamp = 83.8%

Conical surface Flux(120deg): 543.91 lm

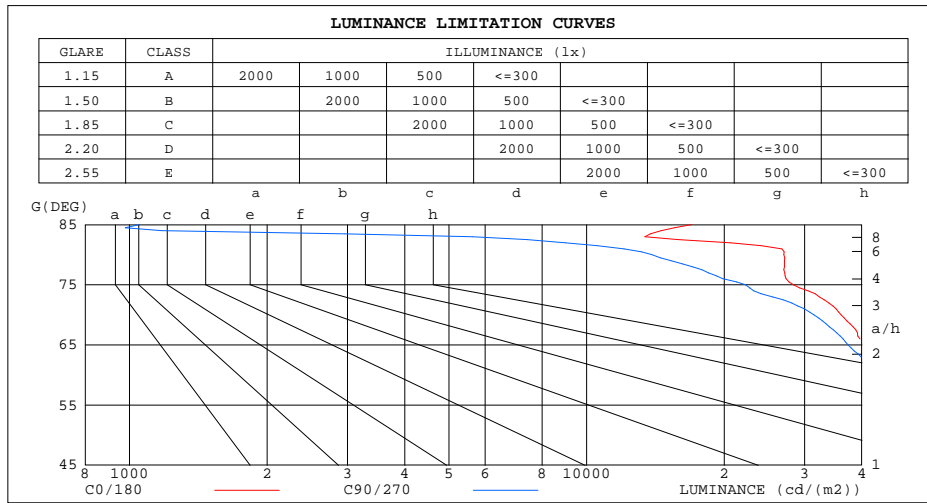
%lum = 93.1%
%lamp = 93.1%

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Kevin
Test Date:2016-06-21

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	17005	1051
80	27031	13892
75	28328	22250
70	36059	31423
65	40780	37345
60	45697	44071
55	51092	50607
50	58021	58016
45	69624	68383

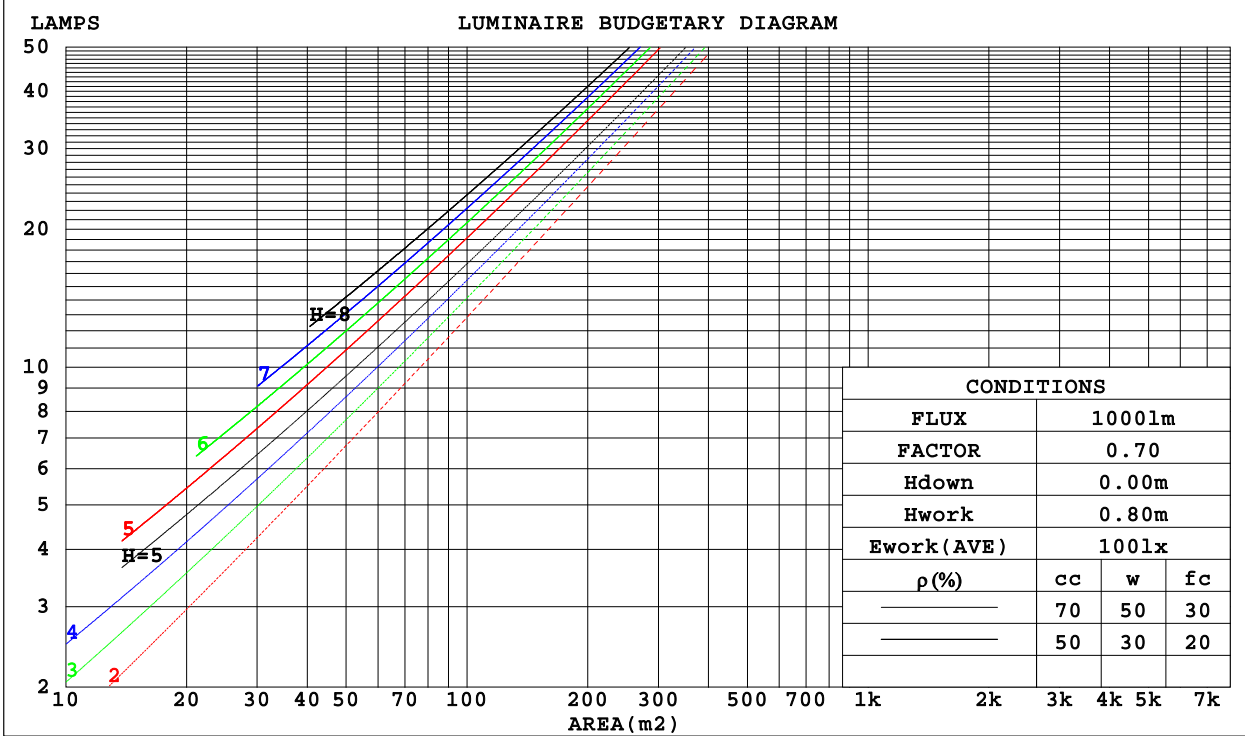
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.09	1.06	1.04	1.07	1.04	1.02	1.02	1.00	.98	.98	.97	.95	.95	.93	.92	.90
2.0	1.00	.96	.92	.98	.94	.91	.95	.91	.88	.92	.89	.86	.88	.86	.84	.82
3.0	.93	.87	.83	.91	.86	.82	.88	.84	.80	.85	.82	.79	.83	.80	.77	.76
4.0	.86	.80	.75	.85	.79	.75	.82	.77	.73	.80	.76	.72	.78	.74	.71	.70
5.0	.80	.74	.69	.79	.73	.69	.77	.72	.68	.75	.71	.67	.73	.69	.66	.65
6.0	.75	.68	.64	.74	.68	.63	.72	.67	.63	.71	.66	.62	.69	.65	.62	.60
7.0	.70	.64	.59	.69	.63	.59	.68	.63	.59	.67	.62	.58	.65	.61	.58	.56
8.0	.66	.60	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.54	.53
9.0	.62	.56	.52	.62	.56	.52	.61	.55	.52	.60	.55	.51	.59	.54	.51	.50
10.0	.59	.53	.49	.59	.53	.49	.58	.52	.49	.57	.52	.49	.56	.52	.48	.47



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding 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	.203	.115	.037	.195	.111	.035	.182	.104	.033	.169	.098	.031	.157	.091	.029	
2.0	.194	.106	.033	.187	.103	.032	.176	.098	.030	.165	.092	.029	.155	.088	.028	
3.0	.183	.097	.029	.177	.095	.029	.167	.091	.028	.158	.086	.027	.149	.083	.026	
4.0	.172	.089	.026	.167	.088	.026	.158	.084	.025	.150	.081	.024	.143	.078	.024	
5.0	.162	.083	.024	.158	.081	.024	.150	.078	.023	.143	.075	.022	.136	.073	.022	
6.0	.153	.077	.022	.150	.076	.022	.143	.073	.021	.136	.071	.021	.130	.069	.020	
7.0	.145	.072	.020	.142	.071	.020	.136	.069	.020	.130	.067	.019	.124	.065	.019	
8.0	.138	.067	.019	.135	.066	.019	.129	.065	.018	.124	.063	.018	.119	.061	.018	
9.0	.131	.063	.018	.128	.062	.018	.123	.061	.017	.119	.059	.017	.114	.058	.017	
10.0	.125	.060	.017	.122	.059	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016	

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	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.186	.170	.156	.159	.146	.134	.109	.100	.093	.063	.058	.054	.020	.019	.017	
2.0	.172	.146	.123	.148	.125	.106	.101	.087	.074	.058	.050	.044	.019	.016	.014	
3.0	.161	.127	.100	.138	.110	.087	.095	.076	.061	.055	.044	.036	.018	.014	.012	
4.0	.151	.113	.083	.130	.097	.072	.089	.068	.051	.052	.040	.030	.017	.013	.010	
5.0	.143	.101	.071	.123	.088	.061	.084	.061	.043	.049	.036	.026	.016	.012	.008	
6.0	.135	.092	.061	.116	.080	.053	.080	.056	.038	.046	.033	.022	.015	.011	.007	
7.0	.129	.085	.054	.111	.073	.047	.076	.051	.033	.044	.030	.020	.014	.010	.007	
8.0	.123	.079	.048	.106	.068	.042	.073	.048	.030	.042	.028	.018	.014	.009	.006	
9.0	.117	.073	.044	.101	.064	.038	.070	.045	.027	.041	.026	.016	.013	.009	.005	
10.0	.112	.069	.040	.097	.060	.035	.067	.042	.025	.039	.025	.015	.013	.008	.005	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm										
NAME: 8822					TYPE:LED tirm			WEIGHT:		
SPEC.:8W CRI90					DIM.:			SERIAL No.:1		
MFR.: AOM-LITE					SUR.:φ40MM			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	23.8	24.8	24.0	25.0	25.2	23.3	24.4	23.6	24.6	24.8
3H	24.6	25.6	24.9	25.8	26.0	24.0	25.0	24.3	25.2	25.5
4H	24.9	25.8	25.2	26.0	26.3	24.2	25.1	24.5	25.4	25.6
6H	25.1	25.9	25.4	26.2	26.5	24.2	25.1	24.6	25.4	25.6
8H	25.1	25.9	25.5	26.2	26.5	24.2	25.0	24.5	25.3	25.6
12H	25.1	25.9	25.5	26.2	26.5	24.2	24.9	24.5	25.2	25.6
4H 2H	24.0	24.9	24.3	25.2	25.4	23.6	24.5	23.9	24.8	25.0
3H	25.0	25.8	25.4	26.1	26.4	24.5	25.2	24.8	25.5	25.9
4H	25.4	26.1	25.7	26.4	26.7	24.7	25.4	25.1	25.7	26.1
6H	25.7	26.3	26.1	26.6	27.0	24.8	25.4	25.2	25.7	26.1
8H	25.8	26.3	26.2	26.7	27.1	24.7	25.3	25.2	25.7	26.1
12H	25.8	26.3	26.2	26.7	27.2	24.7	25.2	25.1	25.6	26.0
8H 4H	25.4	25.9	25.8	26.3	26.7	24.7	25.3	25.1	25.7	26.1
6H	25.7	26.2	26.2	26.6	27.1	24.8	25.3	25.3	25.7	26.2
8H	25.9	26.3	26.4	26.8	27.2	24.8	25.2	25.3	25.7	26.2
12H	26.0	26.4	26.5	26.8	27.4	24.8	25.1	25.3	25.6	26.1
12H 4H	25.3	25.8	25.8	26.3	26.7	24.7	25.2	25.1	25.6	26.1
6H	25.7	26.1	26.2	26.6	27.0	24.8	25.2	25.3	25.7	26.2
8H	25.9	26.2	26.4	26.7	27.2	24.8	25.2	25.3	25.6	26.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.7 / - 0.5					+ 0.8 / - 0.4				
2.0H	+ 0.8 / - 0.7					+ 1.0 / - 0.9				

CIE Pub.117 Corrected 584.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.9)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

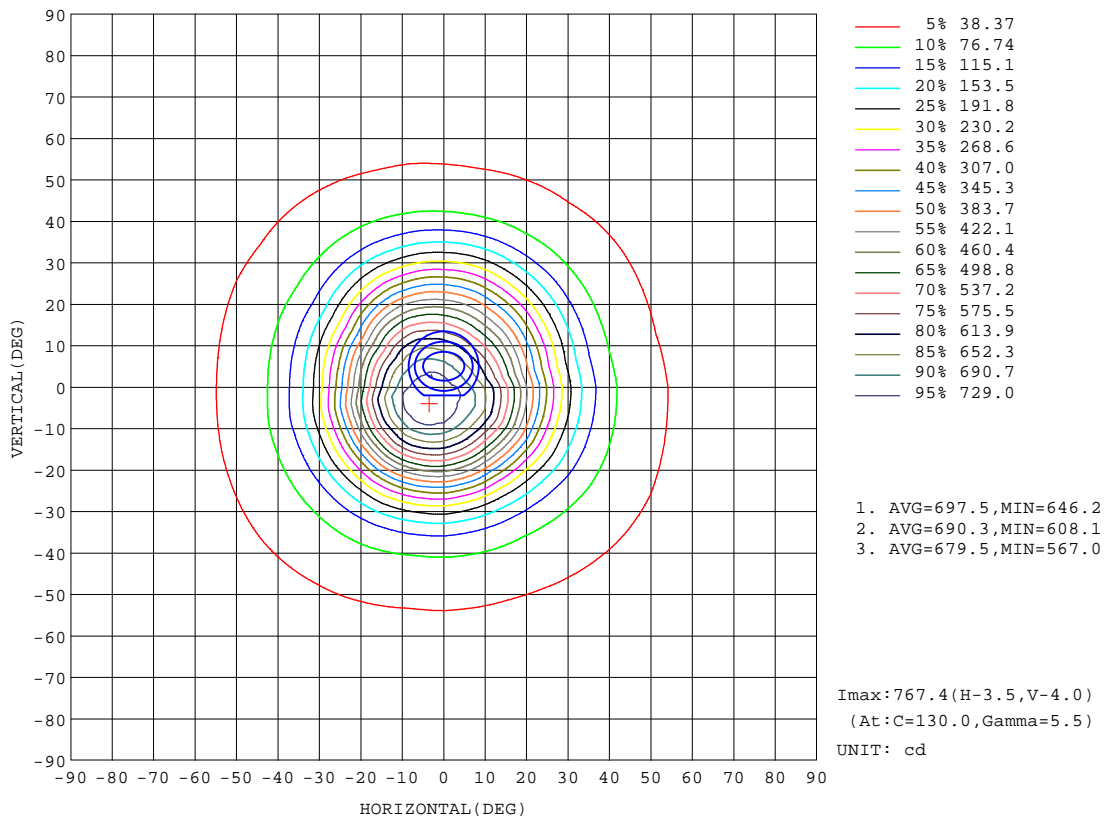
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	79	71	66	78	71	66	77	70	66	61
0.80	87	79	75	86	79	75	84	78	74	69
1.00	92	85	81	91	85	80	90	85	80	75
1.25	97	91	86	96	90	86	94	89	85	80
1.50	101	95	90	99	94	90	97	92	89	83
2.00	105	99	95	103	98	94	100	96	93	86
2.50	107	102	98	105	101	97	101	98	95	88
3.00	109	105	101	107	103	100	103	100	98	90
4.00	111	108	105	109	106	104	105	103	101	93
5.00	113	110	108	111	108	106	106	104	103	94
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: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

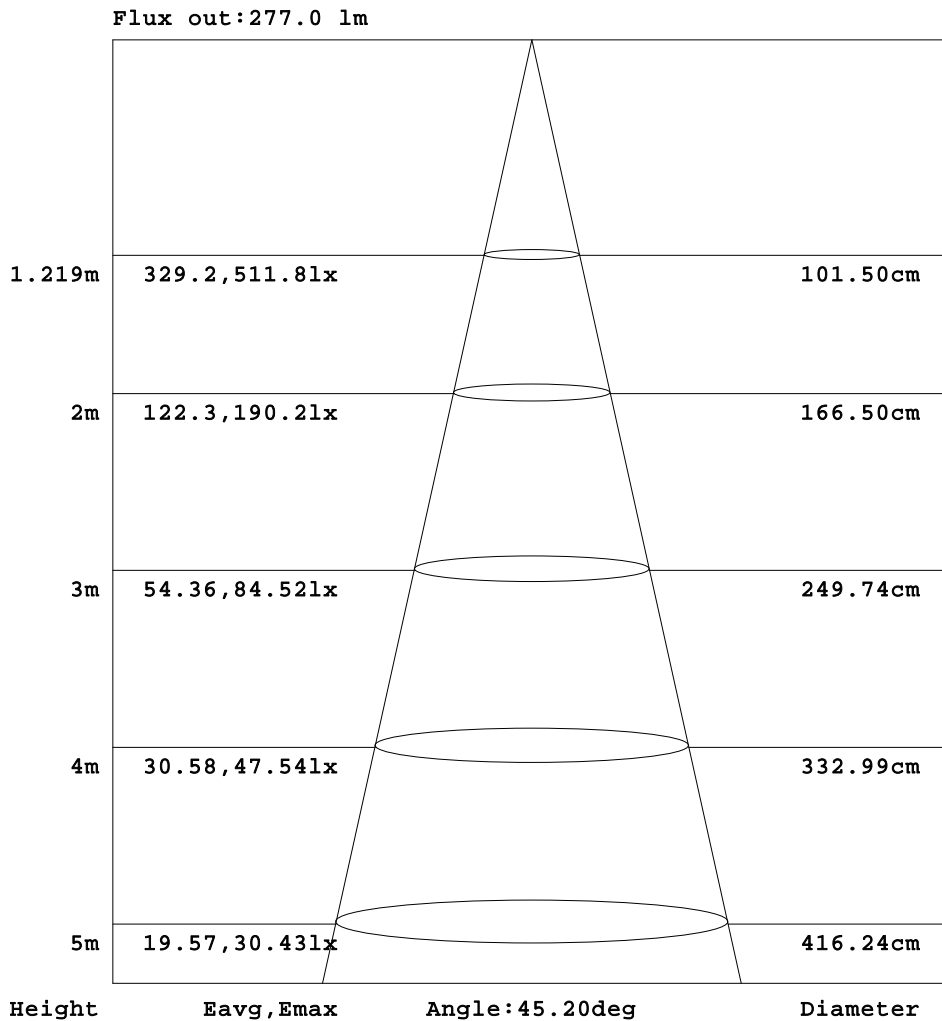


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:



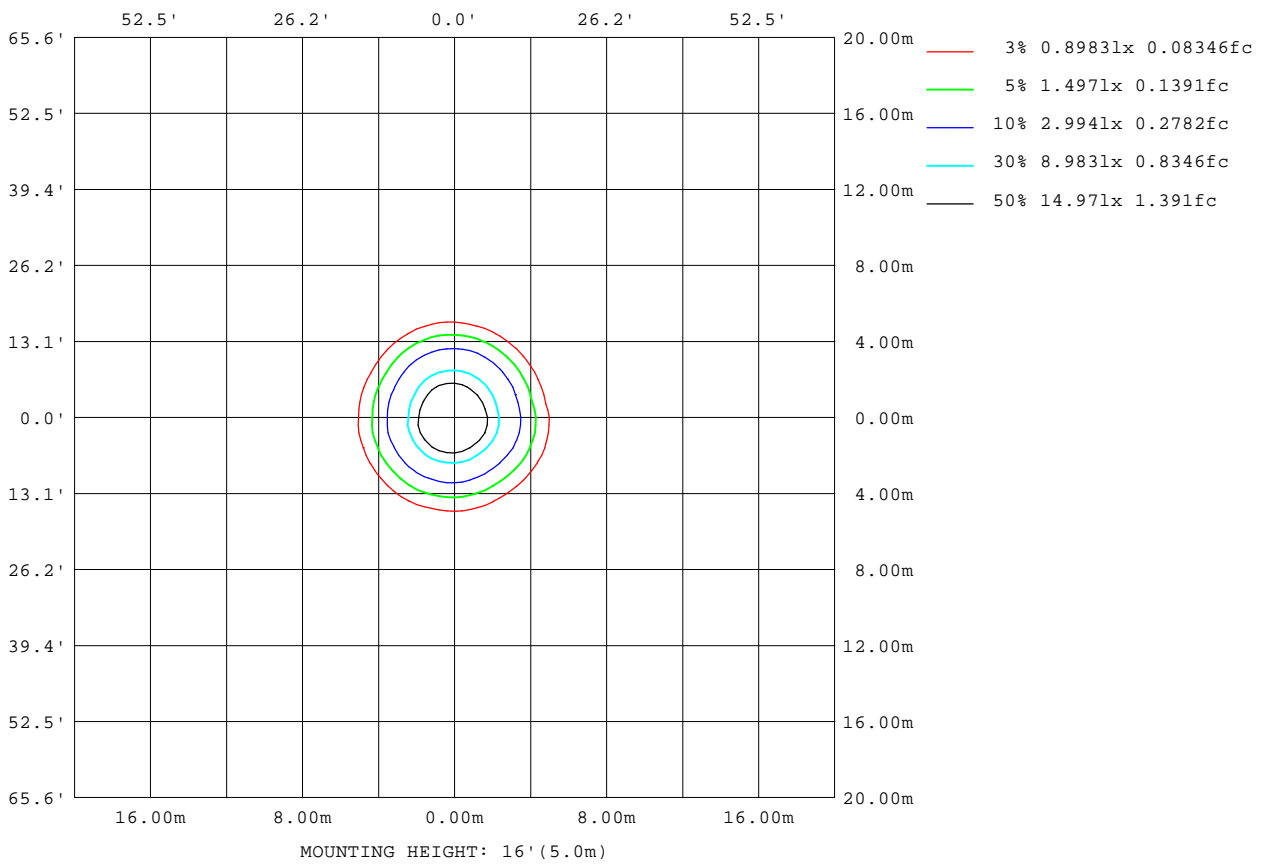
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

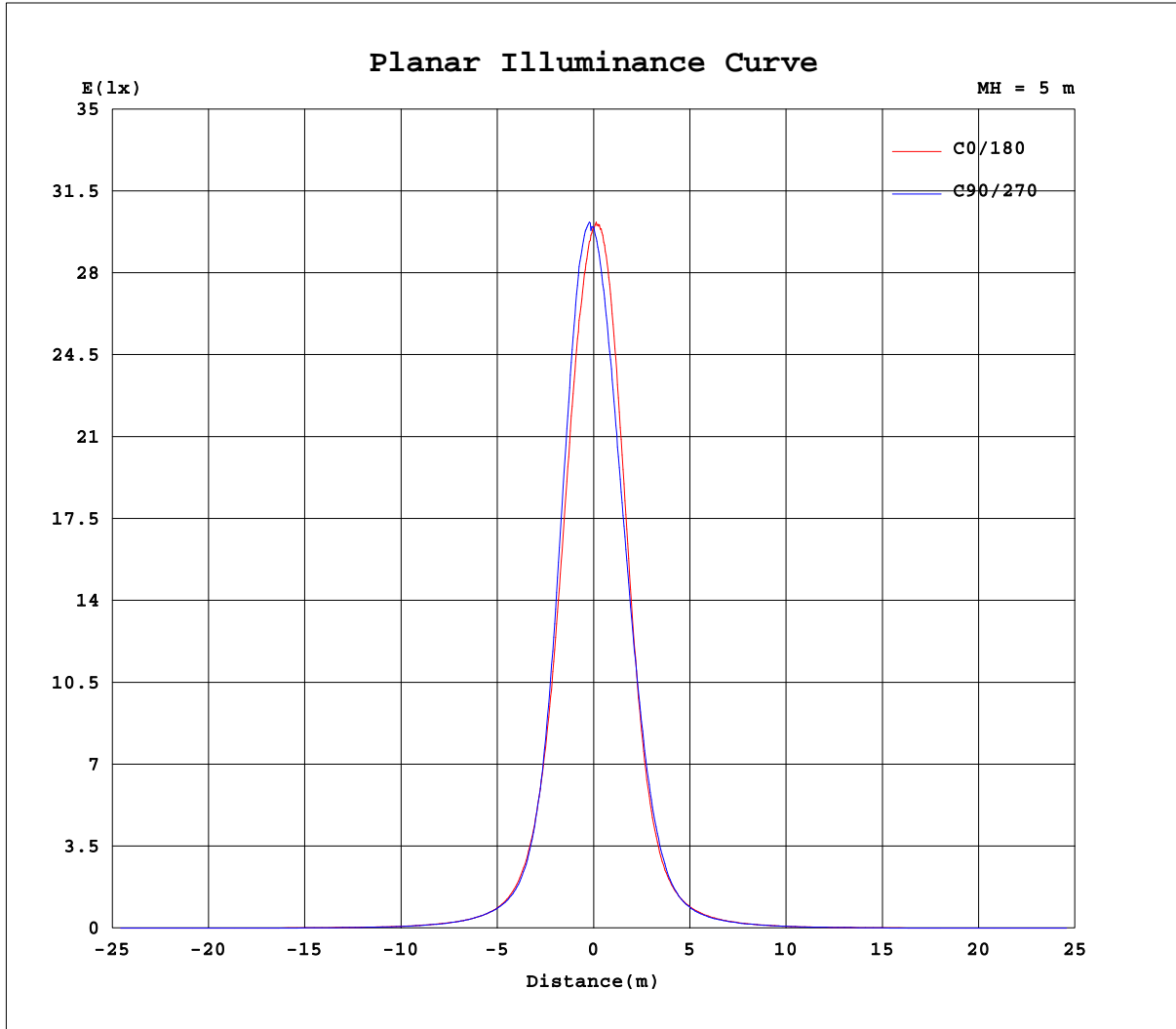
AvgL	cd/m2
L_0~180(65)av	40803
L_0~180(75)av	28205
L_0~180(85)av	24198
L_90~270(65)av	38521
L_90~270(75)av	20989
L_90~270(85)av	921
L_45(65)av	37549
L_45(75)av	23224
L_45(85)av	1374

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: Kevin
 Test Date: 2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 6.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

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	748	750	750	751	747	747	746	744	745	749	744	748	747	747	744	746	745	748	748
5	711	719	723	726	729	729	734	741	747	753	753	763	764	766	763	765	759	760	752
10	647	657	665	673	673	677	683	689	699	710	716	726	733	735	738	737	733	729	709
15	547	554	560	573	570	569	576	586	597	607	615	626	638	647	647	650	644	642	612
20	423	429	434	441	434	434	438	447	459	471	479	488	501	510	509	511	507	505	476
25	303	306	306	308	298	297	296	305	312	322	328	337	347	352	354	356	354	355	331
30	204	205	202	201	193	188	186	191	197	204	207	213	222	224	225	228	228	231	218
35	133	134	132	130	122	117	116	118	121	125	127	131	135	138	139	142	143	146	139
40	87.7	88.7	88.0	85.9	82.0	79.5	78.3	80.1	80.8	82.2	83.1	85.7	88.4	89.5	90.3	91.8	93.3	95.7	91.8
45	61.8	62.9	63.4	61.4	59.6	57.3	57.7	58.8	60.2	60.7	60.3	61.9	64.1	64.1	64.4	65.3	65.9	66.8	65.4
50	46.8	47.6	48.2	46.8	45.6	44.6	44.4	44.9	46.0	46.8	46.4	47.6	48.7	48.2	48.5	49.1	49.4	50.1	49.1
55	36.8	37.3	37.8	36.4	35.2	34.5	34.3	34.5	35.4	36.5	36.2	36.9	37.5	37.3	37.7	37.9	38.2	38.6	38.1
60	28.7	29.3	28.8	28.0	27.1	26.5	26.3	26.4	27.0	27.7	27.6	27.9	28.1	28.2	28.6	28.9	29.0	29.3	29.3
65	21.6	21.9	21.9	20.3	19.5	18.9	19.0	19.2	19.6	19.8	19.8	20.0	20.3	20.6	20.9	21.0	21.3	21.4	21.7
70	15.5	15.6	15.7	14.1	13.3	12.9	12.9	13.1	13.3	13.5	13.6	13.7	14.1	14.4	14.7	14.8	15.0	15.0	15.4
75	9.21	9.25	9.14	7.67	7.07	6.84	6.75	6.94	7.07	7.23	6.90	6.88	7.33	7.92	8.12	8.28	8.38	8.49	9.13
80	5.90	5.96	5.87	4.40	3.73	3.33	3.00	2.92	2.96	3.03	2.95	3.03	3.08	3.45	3.92	4.74	4.89	4.99	5.86
85	1.86	3.00	2.87	0.96	0.29	0.09	0.10	0.11	0.11	0.12	0.12	0.12	0.10	0.09	0.28	0.93	1.60	2.21	3.44
90	1.27	1.34	1.37	0.08	0.09	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	1.62
95	1.29	1.38	1.43	0.12	0.13	0.12	0.12	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.12	1.55
100	1.34	1.44	1.51	0.17	0.18	0.18	0.18	0.17	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	1.43
105	1.44	1.57	1.64	0.24	0.24	0.25	0.25	0.25	0.24	0.25	0.24	0.24	0.24	0.22	0.22	0.22	0.22	0.23	1.39
110	1.54	1.69	1.77	2.10	0.35	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.32	0.31	0.31	0.31	0.31	0.31	1.41
115	1.69	1.81	1.88	2.09	0.50	0.50	0.51	0.50	0.49	0.49	0.49	0.48	0.46	0.45	0.44	0.44	0.44	0.43	1.50
120	1.83	1.91	1.98	2.13	0.71	0.73	0.73	0.73	0.72	0.71	0.71	0.69	0.67	0.65	0.64	0.63	0.63	0.62	1.63
125	2.08	2.12	2.16	2.27	1.01	1.04	1.05	1.04	1.03	1.03	1.01	0.98	0.95	0.94	0.92	0.90	0.90	0.89	1.83
130	2.46	2.47	2.52	2.57	1.43	1.45	1.47	1.46	1.46	1.42	1.40	1.37	1.33	1.30	1.28	1.26	1.26	1.25	2.15
135	2.94	2.95	2.97	3.01	1.94	1.97	2.00	1.96	1.95	1.91	1.89	1.85	1.79	1.76	1.74	1.72	1.72	1.70	2.58
140	3.50	3.49	3.50	3.55	2.52	2.55	2.56	2.54	2.51	2.47	2.44	2.39	2.34	2.29	2.29	2.25	2.24	2.22	3.06
145	4.09	4.08	4.07	4.08	3.12	3.15	3.15	3.13	3.10	3.06	3.03	2.97	2.91	2.87	2.86	2.82	2.82	2.80	3.67
150	4.66	4.64	4.63	4.65	3.69	3.73	3.72	3.71	3.68	3.64	3.60	3.54	3.48	3.44	3.42	3.40	3.40	3.39	4.24
155	5.12	5.11	5.02	5.10	4.17	4.18	4.22	4.21	4.17	4.14	4.10	4.05	4.01	3.95	3.94	3.94	3.93	3.91	4.79
160	5.43	5.44	5.42	5.42	4.49	4.53	4.56	4.56	4.56	4.52	4.47	4.44	4.40	4.38	4.37	4.35	4.34	4.33	5.18
165	5.63	5.66	5.67	5.63	4.71	4.75	4.79	4.80	4.81	4.79	4.76	4.72	4.69	4.67	4.69	4.66	4.66	4.66	5.48
170	5.77	5.78	5.80	5.79	4.86	4.89	4.92	4.91	4.92	4.90	4.88	4.88	4.85	4.84	4.88	4.88	4.85	4.81	5.67
175	5.85	5.84	5.88	5.92	5.02	5.05	5.05	5.03	5.00	4.98	4.99	4.97	4.99	5.00	5.02	4.98	4.94	4.89	5.80
180	5.96	5.97	5.99	5.99	5.05	5.06	5.02	4.99	5.01	5.01	4.99	4.97	5.00	5.03	5.02	4.88	4.91	4.97	5.96

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.0679A P:8.105W PF:0.9923 Lamp Flux:584.479x1 lm		
NAME: 8822	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

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	750	750	751	747	747	746	744	745	749	744	748	747	747	744	746	745	748		
5	745	742	733	732	728	720	714	709	706	701	695	692	691	692	690	693	699		
10	702	690	680	677	671	666	653	641	636	629	625	616	612	613	615	619	625		
15	602	592	581	583	579	578	565	554	546	534	528	519	518	515	516	516	519		
20	471	465	458	466	472	469	461	452	445	437	431	420	412	411	405	403	401		
25	331	331	327	340	349	352	347	346	341	334	328	319	311	305	298	291	286		
30	218	219	217	229	238	240	240	241	236	234	229	219	214	207	201	196	191		
35	139	139	137	145	152	156	155	155	153	151	146	140	135	132	128	125	124		
40	92.3	91.5	89.6	92.3	95.5	97.2	97.0	96.3	94.5	91.6	89.6	86.4	84.4	82.4	80.9	80.7	80.9		
45	65.2	64.7	62.4	63.8	65.2	65.2	65.2	65.0	63.3	61.2	60.1	59.0	57.9	56.5	56.9	56.4	57.1		
50	49.1	48.6	46.7	47.5	47.9	48.2	47.7	48.1	46.4	45.1	44.9	44.0	42.7	42.6	42.7	42.9	43.1		
55	37.9	37.6	35.9	36.4	36.9	36.9	36.5	37.0	36.0	35.1	34.8	33.8	32.9	33.0	33.2	33.2	33.6		
60	29.2	29.0	27.3	28.0	28.4	28.6	28.3	28.5	28.0	27.3	27.0	25.9	25.3	25.7	25.6	25.7	25.9		
65	21.8	21.6	20.1	20.7	21.2	21.6	21.3	21.4	21.1	20.6	20.0	19.2	18.8	19.0	18.8	18.8	18.9		
70	15.6	15.6	14.1	14.7	15.2	15.5	15.3	15.4	15.0	14.8	14.1	13.5	13.2	13.3	13.1	13.1	13.1		
75	9.31	9.35	7.95	8.43	7.33	6.82	6.53	6.50	6.41	6.41	6.42	6.72	7.10	7.41	7.25	7.15	7.11		
80	6.13	6.14	4.16	3.74	3.48	3.28	3.15	3.07	3.04	3.03	3.07	3.22	3.41	3.73	4.06	4.22	4.22		
85	3.42	2.80	0.57	0.23	0.10	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.10	0.30	0.74	1.35	1.82		
90	1.92	1.93	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.08		
95	1.77	1.74	0.13	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13		
100	1.52	1.71	0.17	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18		
105	1.42	1.52	0.24	0.23	0.23	0.22	0.22	0.22	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26		
110	1.42	1.46	0.33	0.32	0.31	0.31	0.31	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.35	0.35	0.35		
115	1.49	1.51	0.46	0.45	0.43	0.43	0.43	0.43	0.45	0.44	0.45	0.47	0.48	0.48	0.49	0.49	0.50		
120	1.62	1.61	0.65	0.62	0.60	0.59	0.61	0.62	0.63	0.63	0.65	0.67	0.68	0.69	0.70	0.71	0.72		
125	1.81	1.81	0.91	0.88	0.86	0.86	0.87	0.89	0.91	0.92	0.94	0.96	0.98	0.98	0.99	1.00	1.02		
130	2.16	2.14	1.30	1.24	1.23	1.23	1.25	1.27	1.30	1.32	1.33	1.37	1.39	1.40	1.42	1.43	1.45		
135	2.57	2.57	1.77	1.72	1.70	1.69	1.74	1.76	1.79	1.81	1.84	1.89	1.92	1.92	1.96	1.97	1.97		
140	3.09	3.09	2.32	2.26	2.25	2.25	2.30	2.32	2.37	2.39	2.44	2.49	2.52	2.52	2.56	2.56	2.58		
145	3.68	3.68	2.89	2.85	2.83	2.85	2.89	2.93	2.98	3.02	3.04	3.08	3.13	3.13	3.18	3.17	3.18		
150	4.26	4.27	3.47	3.43	3.40	3.41	3.45	3.50	3.55	3.58	3.61	3.65	3.68	3.69	3.72	3.72	3.74		
155	4.78	4.78	3.96	3.90	3.89	3.88	3.92	3.95	4.00	4.01	4.05	4.08	4.10	4.10	4.15	4.14	4.16		
160	5.17	5.16	4.31	4.27	4.26	4.24	4.26	4.26	4.33	4.33	4.35	4.38	4.41	4.42	4.41	4.42	4.46		
165	5.48	5.48	4.56	4.52	4.48	4.46	4.48	4.52	4.53	4.55	4.55	4.54	4.53	4.53	4.53	4.57	4.63		
170	5.68	5.67	4.71	4.66	4.61	4.60	4.59	4.60	4.61	4.64	4.64	4.63	4.62	4.60	4.65	4.67	4.73		
175	5.80	5.83	4.90	4.90	4.84	4.80	4.79	4.77	4.76	4.77	4.81	4.82	4.84	4.82	4.78	4.80	4.82		
180	5.94	5.99	5.06	5.04	5.06	5.01	4.97	5.00	5.01	5.01	4.99	4.99	5.03	5.03	4.97	4.95	4.95		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Kevin
 Test Date:2016-06-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks: