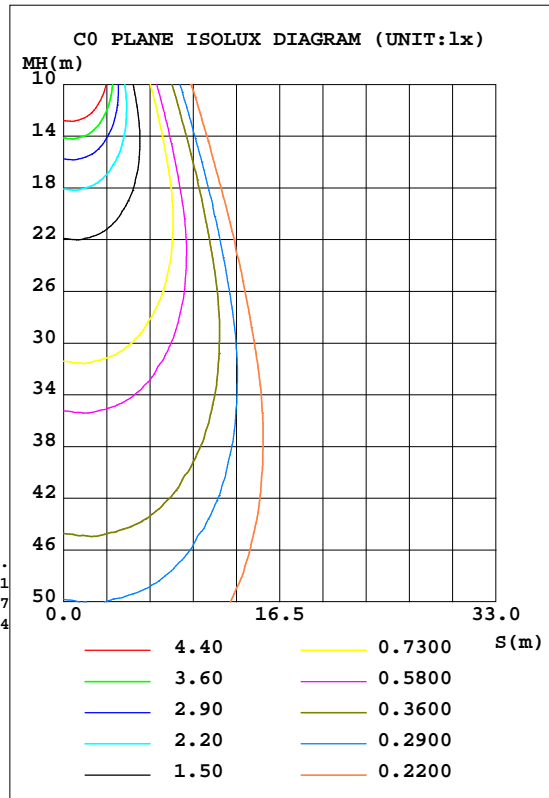
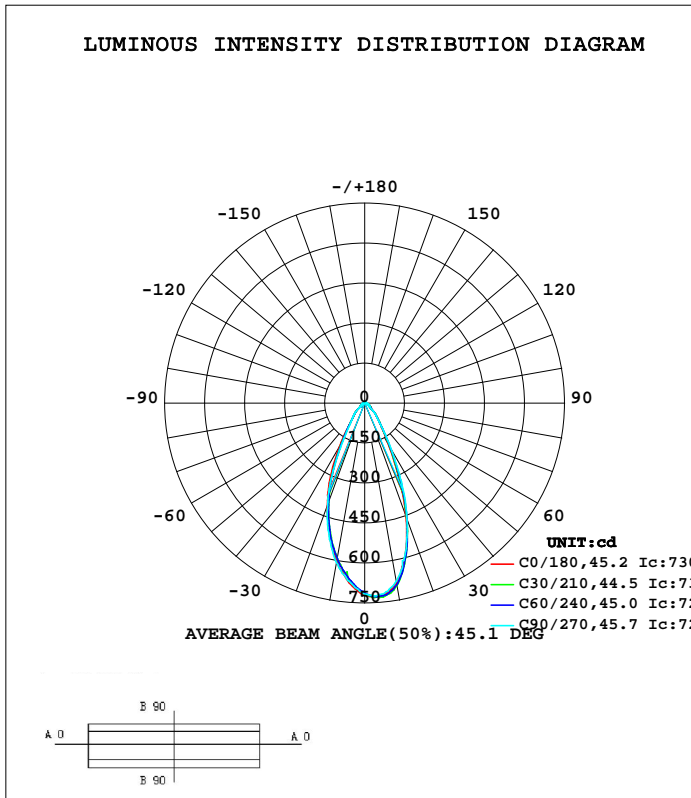


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.68 lm/W
MODEL	AC COB	I <sub>max</sub> (cd)	731.9	S/MH(C0/180)	0.70	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.70	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	585.68	η UP, DN(C0-180)	0.9,51.1	
NOMINAL FLUX(lm)	585.682	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.9,47.1	
LAMPS INSIDE	1	η up(%)	1.8	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	120	η down(%)	98.2	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	724.9	729.7	719.2	694.1	676.0	661.7	671.6	695.4	0- 5	16.87	16.87	3.28,3.28
10	684.4	694.2	679.7	638.7	604.5	590.2	609.1	642.1	5- 10	47.90	64.77	12.6,12.6
15	588.1	597.9	588.3	546.7	511.8	499.7	517.2	551.3	10- 15	70.66	135.4	26.4,26.4
20	453.4	463.6	466.2	440.2	411.3	394.0	409.5	430.6	15- 20	80.81	216.2	42.1,42.1
25	299.8	313.3	327.0	323.6	304.8	282.9	281.7	289.0	20- 25	76.94	293.2	57.1,57.1
30	175.7	190.1	200.1	202.9	191.2	173.8	162.8	169.0	25- 30	60.04	353.2	68.8,68.8
35	110.9	117.8	117.3	113.8	106.6	103.6	97.20	102.8	30- 35	41.79	395.0	76.9,76.9
40	76.89	77.92	75.72	69.35	67.10	67.67	68.45	70.32	35- 40	29.11	424.1	82.6,82.6
45	57.18	56.27	54.50	50.72	50.66	49.91	50.78	52.51	40- 45	22.72	446.8	87,87
50	30.21	29.91	28.73	26.58	26.77	25.86	26.32	27.16	45- 50	15.94	462.8	90.1,90.1
55	21.73	21.17	20.43	18.96	19.40	18.72	19.08	19.65	50- 55	10.07	472.8	92,92
60	17.26	16.50	15.90	15.05	15.64	14.77	14.90	15.72	55- 60	8.143	481.0	93.6,93.6
65	13.99	13.00	12.79	12.28	12.92	12.09	11.97	12.50	60- 65	6.842	487.8	95,95
70	11.80	10.87	10.78	10.47	11.27	10.31	10.13	10.44	65- 70	5.940	493.8	96.1,96.1
75	8.389	7.207	7.170	7.366	8.453	7.278	7.008	7.060	70- 75	4.806	498.6	97.1,97.1
80	5.668	4.397	4.395	4.519	5.755	4.447	4.397	4.482	75- 80	3.186	501.8	97.7,97.7
85	1.838	2.041	2.146	2.316	3.777	2.270	2.167	2.094	80- 85	1.971	503.7	98.1,98.1
90	1.237	0.0532	0.0490	0.0570	1.608	0.0644	0.0579	0.0532	85- 90	0.7610	504.5	98.2,98.2
95	1.240	0.0719	0.0748	0.0719	1.504	0.0763	0.0777	0.0748	90- 95	0.2194	504.7	98.3,98.3
100	1.266	0.0978	0.1008	0.1006	1.363	0.1151	0.1149	0.1021	95-100	0.2156	504.9	98.3,98.3
105	1.346	0.1453	0.1469	0.1524	1.316	0.1654	0.1610	0.1468	100-105	0.2335	505.2	98.3,98.3
110	1.404	0.2114	0.2159	0.2186	1.321	0.2330	0.2272	0.2171	105-110	0.2496	505.4	98.4,98.4
115	1.524	0.3109	0.3167	0.3222	1.390	0.3482	0.3451	0.3266	110-115	0.2779	505.7	98.4,98.4
120	1.631	0.4830	0.4778	0.4890	1.482	0.5207	0.5231	0.5021	115-120	0.3244	506.0	98.5,98.5
125	1.841	0.7307	0.7311	0.7478	1.672	0.7883	0.8021	0.7769	120-125	0.3970	506.4	98.6,98.6
130	2.180	1.077	1.083	1.113	2.009	1.168	1.196	1.154	125-130	0.5047	506.9	98.7,98.7
135	2.597	1.517	1.534	1.586	2.455	2.069	1.688	1.628	130-135	0.6414	507.5	98.8,98.8
140	3.097	2.048	2.075	2.134	2.985	2.621	2.243	2.164	135-140	0.7747	508.3	99,99
145	3.647	2.605	2.656	2.711	3.580	3.192	2.832	2.727	140-145	0.8852	509.2	99.1,99.1
150	4.202	3.179	3.223	3.272	4.132	3.726	3.365	3.270	145-150	0.9468	510.2	99.3,99.3
155	4.688	3.688	3.731	3.727	4.586	4.121	3.774	3.715	150-155	0.9419	511.1	99.5,99.5
160	5.077	4.108	4.109	4.076	4.902	4.452	4.056	4.069	155-160	0.8649	512.0	99.7,99.7
165	5.355	4.370	4.359	4.276	5.127	4.629	4.257	4.262	160-165	0.7269	512.7	99.8,99.8
170	5.512	4.492	4.444	4.380	5.233	4.714	4.327	4.368	165-170	0.5430	513.2	99.9,99.9
175	5.569	4.634	4.531	4.529	5.380	4.912	4.430	4.518	170-175	0.3341	513.6	100,100
180	5.592	4.642	4.594	4.620	5.601	5.119	4.586	4.627	175-180	0.1144	513.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 446.83 lm

%lum = 87.0%  
%lamp = 87.0%

Conical surface Flux(120deg): 480.98 lm

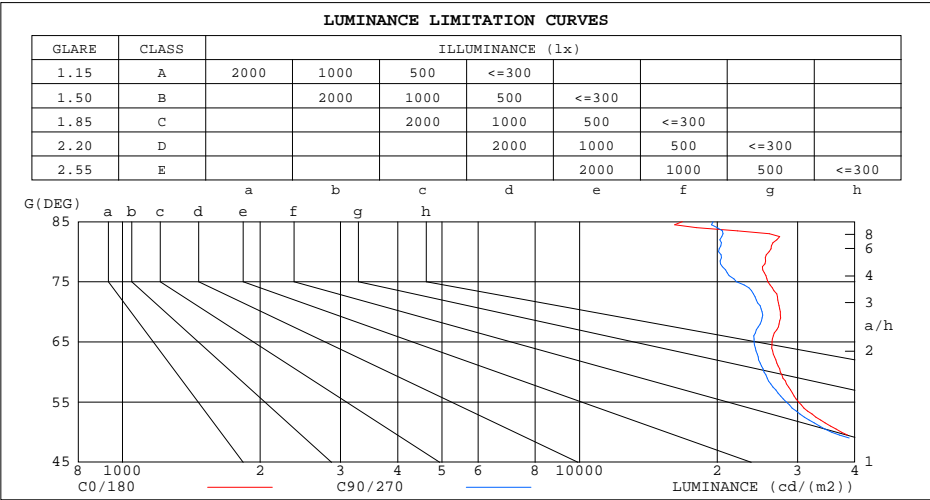
%lum = 93.6%  
%lamp = 93.6%

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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	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	16788	19603
80	25990	20151
75	25805	22056
70	27477	25086
65	26356	24094
60	27484	25323
55	30162	28363
50	37417	35582
45	64379	61365

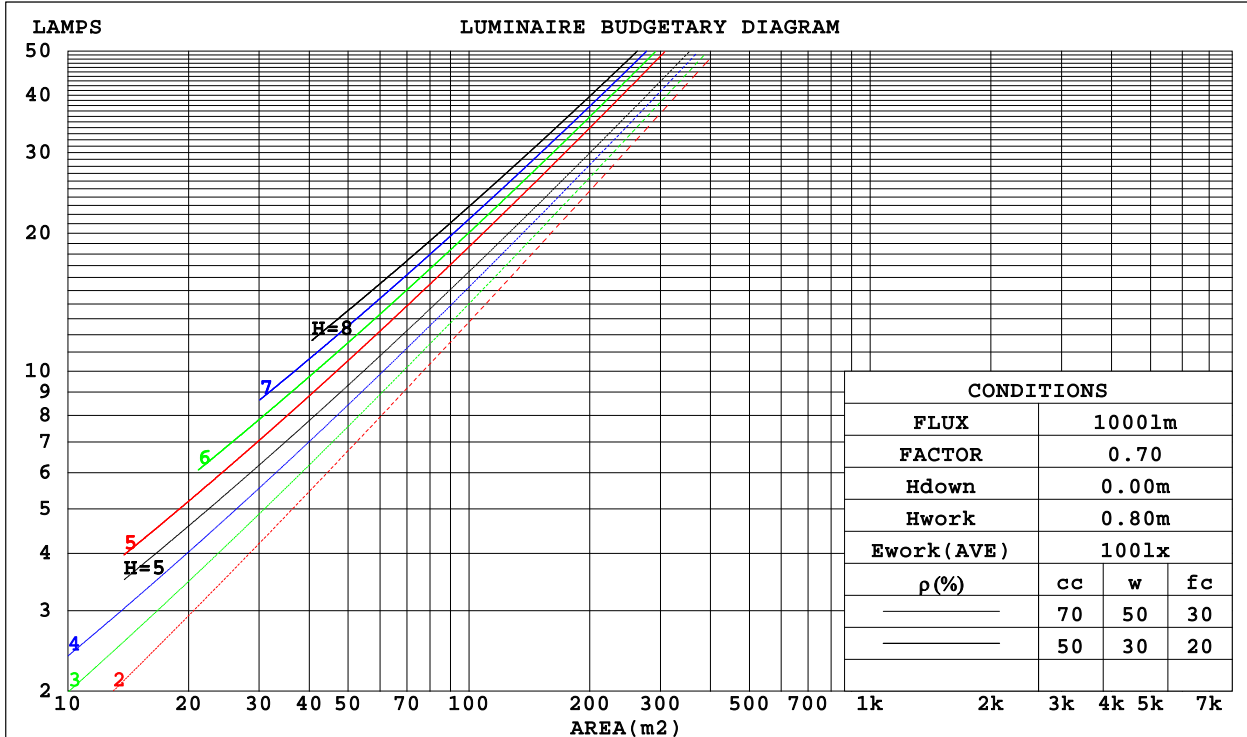
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:Kevin  
 Test Date:2016-06-21

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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	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	1.07	1.04	1.07	1.04	1.02	1.03	1.01	.99	.98	.97	.95	.95	.94	.92	.90
2.0	1.01	.97	.93	.99	.95	.92	.96	.92	.89	.92	.90	.87	.89	.87	.85	.83
3.0	.94	.88	.84	.92	.87	.83	.89	.85	.82	.87	.83	.80	.84	.81	.79	.77
4.0	.87	.81	.77	.86	.81	.76	.84	.79	.75	.81	.77	.74	.79	.76	.73	.72
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.72	.69	.75	.71	.68	.67
6.0	.77	.71	.66	.76	.70	.66	.74	.69	.65	.73	.68	.65	.71	.67	.64	.63
7.0	.72	.66	.62	.72	.66	.62	.70	.65	.61	.69	.64	.61	.67	.63	.60	.59
8.0	.68	.62	.58	.68	.62	.58	.66	.61	.57	.65	.61	.57	.64	.60	.57	.55
9.0	.65	.59	.55	.64	.58	.55	.63	.58	.54	.62	.57	.54	.61	.57	.54	.52
10.0	.61	.56	.52	.61	.55	.52	.60	.55	.51	.59	.54	.51	.58	.54	.51	.50



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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	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	.198	.112	.036	.190	.109	.034	.177	.101	.032	.164	.095	.030	.152	.088	.028	
2.0	.187	.102	.031	.180	.099	.031	.169	.094	.029	.158	.089	.028	.148	.084	.026	
3.0	.175	.093	.028	.170	.091	.027	.160	.087	.026	.150	.082	.025	.142	.079	.024	
4.0	.165	.086	.025	.160	.084	.025	.151	.080	.024	.143	.077	.023	.136	.074	.022	
5.0	.155	.079	.023	.151	.078	.023	.144	.075	.022	.136	.072	.021	.130	.069	.021	
6.0	.147	.074	.021	.143	.072	.021	.136	.070	.020	.130	.068	.020	.124	.065	.019	
7.0	.139	.069	.020	.136	.068	.019	.130	.066	.019	.124	.064	.019	.119	.062	.018	
8.0	.132	.065	.018	.129	.064	.018	.124	.062	.018	.119	.060	.017	.114	.059	.017	
9.0	.126	.061	.017	.123	.060	.017	.119	.059	.017	.114	.057	.016	.110	.056	.016	
10.0	.120	.058	.016	.118	.057	.016	.113	.056	.016	.109	.054	.015	.105	.053	.015	

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	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.186	.171	.157	.159	.147	.135	.109	.101	.093	.063	.058	.054	.020	.019	.018	
2.0	.172	.146	.125	.147	.126	.108	.101	.087	.075	.058	.051	.044	.019	.016	.014	
3.0	.160	.128	.102	.137	.110	.088	.094	.076	.062	.054	.045	.036	.017	.014	.012	
4.0	.150	.113	.085	.129	.098	.074	.089	.068	.052	.051	.040	.031	.016	.013	.010	
5.0	.141	.102	.072	.121	.088	.063	.084	.061	.044	.048	.036	.026	.016	.012	.009	
6.0	.134	.092	.063	.115	.080	.055	.079	.056	.039	.046	.033	.023	.015	.011	.008	
7.0	.127	.085	.055	.109	.074	.048	.075	.052	.034	.044	.030	.020	.014	.010	.007	
8.0	.121	.079	.050	.104	.068	.043	.072	.048	.031	.042	.028	.018	.014	.009	.006	
9.0	.116	.074	.045	.100	.064	.039	.069	.045	.028	.040	.026	.017	.013	.009	.006	
10.0	.111	.069	.041	.096	.060	.036	.066	.042	.026	.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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm										
NAME: 8823					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	22.1	23.0	22.3	23.2	23.4	21.9	22.9	22.2	23.1	23.3
3H	22.9	23.8	23.2	24.0	24.2	22.6	23.5	22.9	23.7	24.0
4H	23.3	24.2	23.6	24.4	24.7	22.9	23.8	23.3	24.1	24.3
6H	23.6	24.5	24.0	24.7	25.0	23.2	24.0	23.5	24.3	24.5
8H	23.8	24.6	24.2	24.9	25.2	23.3	24.0	23.6	24.3	24.6
12H	23.9	24.6	24.2	24.9	25.2	23.3	24.1	23.7	24.4	24.7
4H 2H	22.2	23.1	22.5	23.3	23.6	22.1	22.9	22.4	23.2	23.5
3H	23.3	24.0	23.7	24.3	24.7	23.0	23.8	23.4	24.1	24.4
4H	23.9	24.5	24.2	24.9	25.2	23.5	24.1	23.8	24.5	24.8
6H	24.4	25.0	24.8	25.3	25.7	23.8	24.4	24.2	24.8	25.2
8H	24.6	25.2	25.0	25.6	26.0	23.9	24.5	24.4	24.9	25.3
12H	24.7	25.2	25.2	25.7	26.1	24.0	24.6	24.5	25.0	25.4
8H 4H	24.0	24.5	24.4	24.9	25.3	23.6	24.2	24.0	24.6	25.0
6H	24.6	25.1	25.1	25.5	26.0	24.1	24.5	24.5	25.0	25.4
8H	25.0	25.4	25.5	25.9	26.3	24.3	24.7	24.8	25.1	25.6
12H	25.2	25.6	25.7	26.1	26.6	24.4	24.8	24.9	25.3	25.8
12H 4H	24.0	24.5	24.4	24.9	25.3	23.6	24.1	24.1	24.5	25.0
6H	24.7	25.1	25.1	25.5	26.0	24.1	24.5	24.6	25.0	25.4
8H	25.1	25.4	25.6	25.9	26.4	24.4	24.7	24.8	25.2	25.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.7 / - 0.9				
1.5H	+ 0.9 / - 0.8					+ 1.1 / - 1.0				
2.0H	+ 1.6 / - 0.6					+ 1.9 / - 0.8				

CIE Pub.117 Corrected 513.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.3)

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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

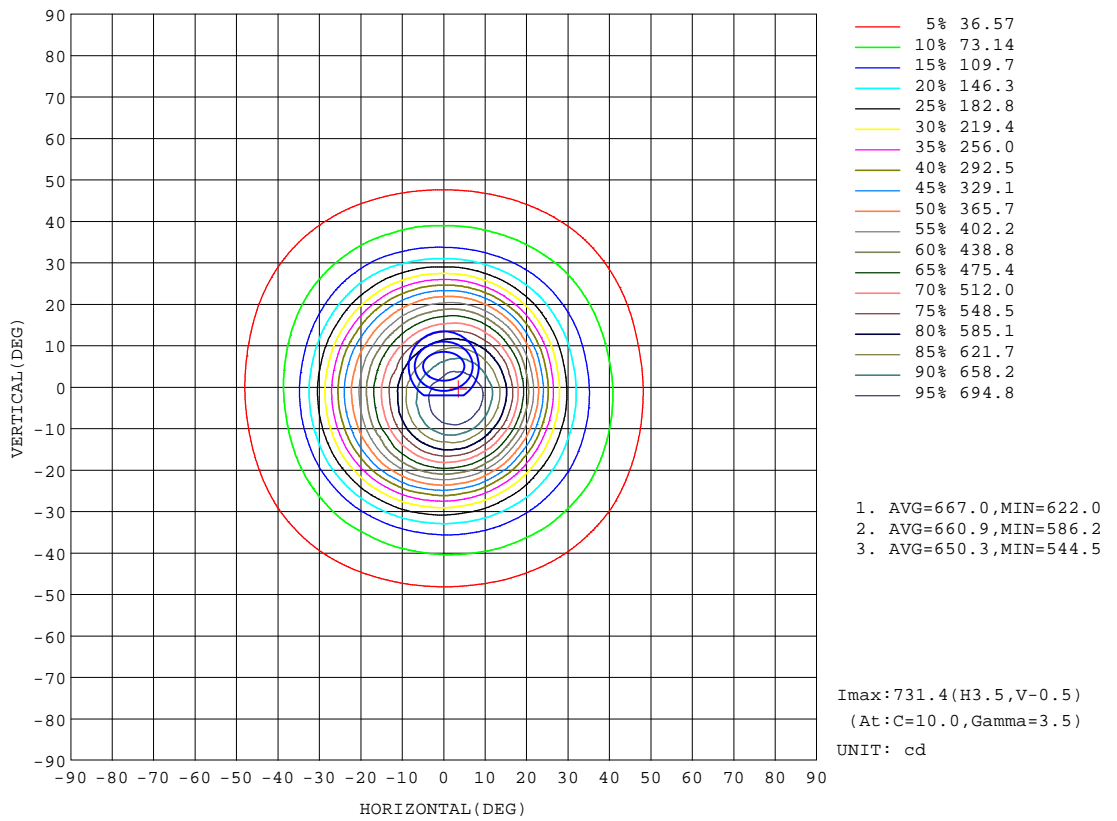
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	81	73	69	80	73	69	79	73	69	64
0.80	89	82	77	88	81	77	86	81	77	72
1.00	94	87	83	93	87	83	91	87	82	77
1.25	99	92	88	97	92	88	95	90	87	82
1.50	102	96	92	100	95	91	98	93	90	85
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	103	99	106	101	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	91
4.00	112	108	106	109	107	104	105	103	101	93
5.00	113	110	108	111	108	106	106	105	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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	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

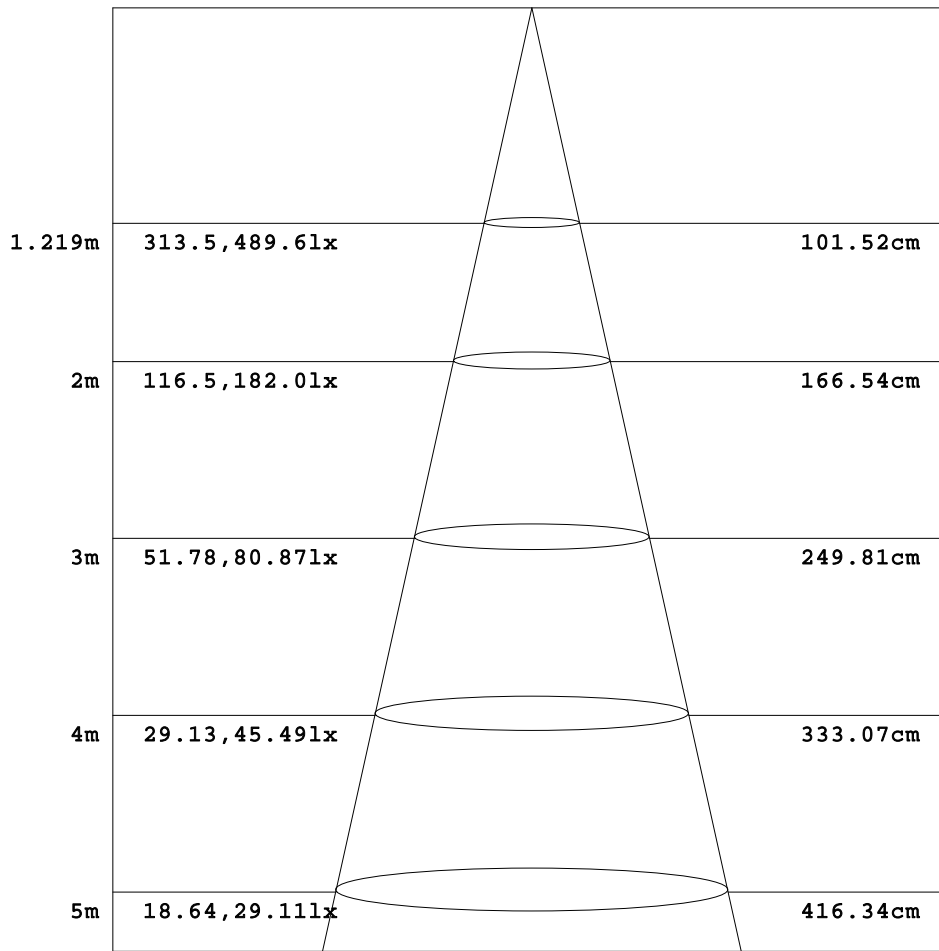
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:6.950m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:120.3V I:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

Flux out:263.8 lm



Height                      Eavg, Emax                      Angle:45.21deg                      Diameter

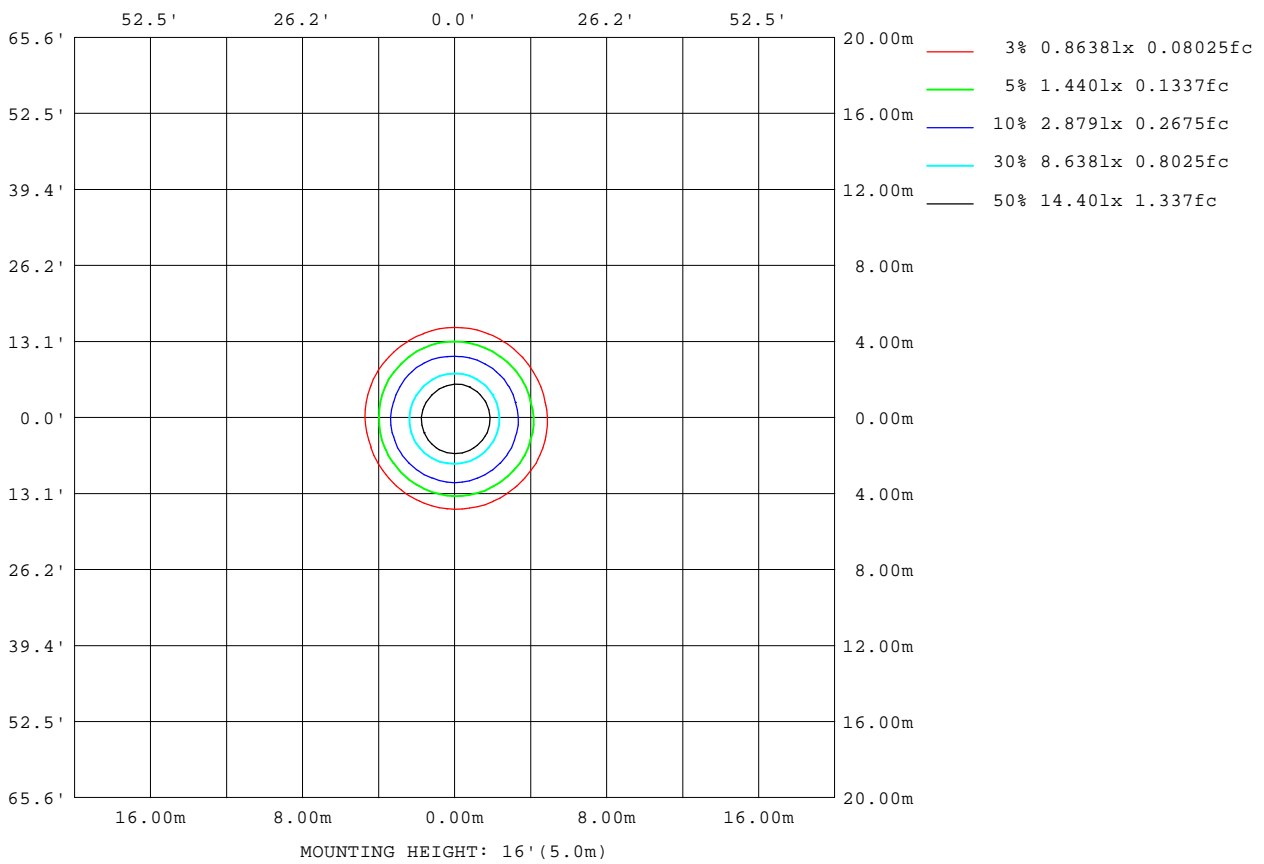
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682x1 lm		
NAME: 8823	TYPE:LED tirm	WEIGHT:
SPEC.:8W CRI90	DIM.:	SERIAL No.:1
MFR.: AOM-LITE	SUR.:φ40MM	Shielding Angle:

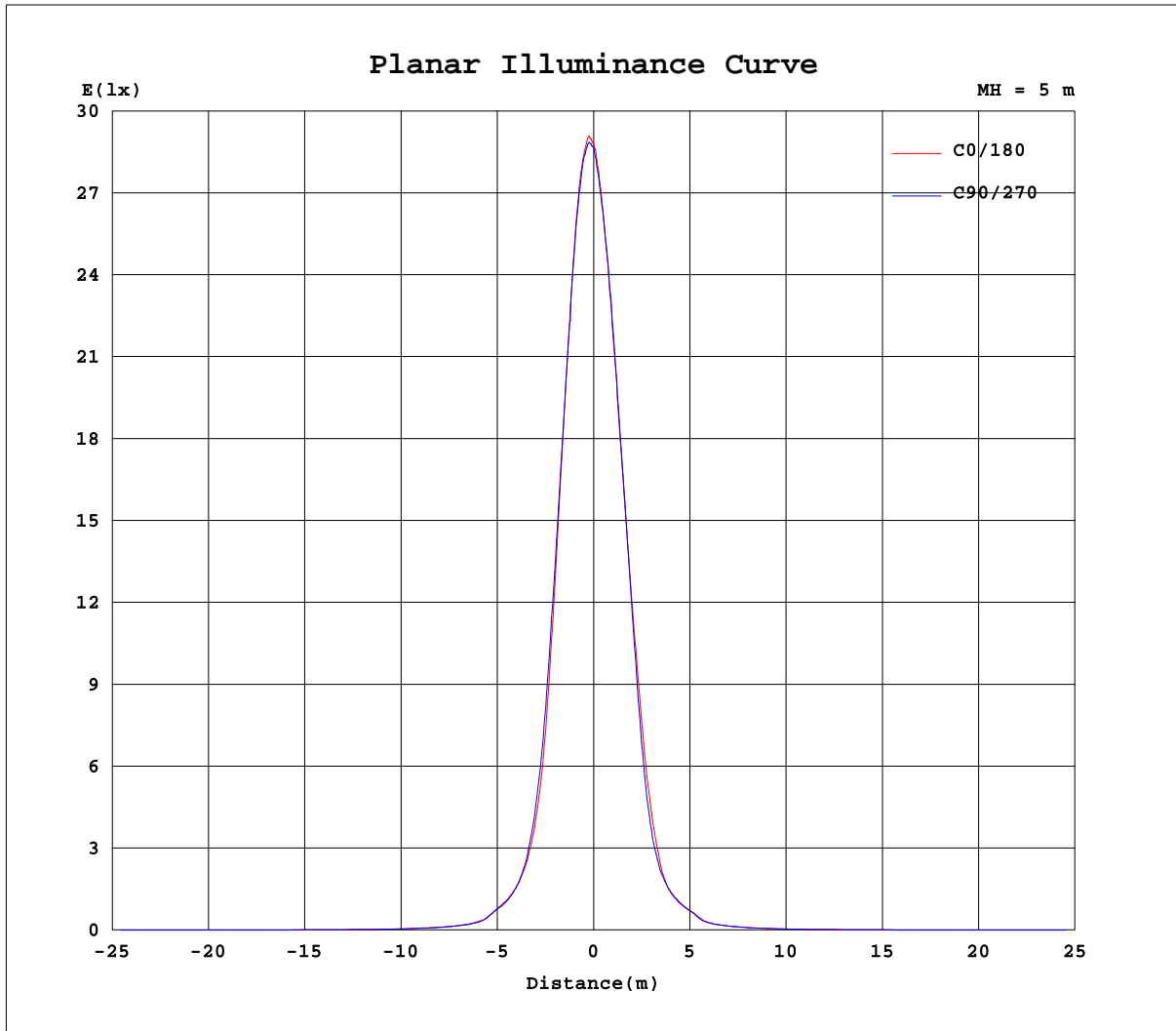
AvgL	cd/m2
L_0~180(65)av	25351
L_0~180(75)av	25905
L_0~180(85)av	25645
L_90~270(65)av	23318
L_90~270(75)av	21806
L_90~270(85)av	19698
L_45(65)av	23425
L_45(75)av	22115
L_45(85)av	19486

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682xl lm		
NAME: 8823	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	720	718	716	713	713	713	712	712	715	717	713	714	716	716	710	716	717	715	720
5	725	728	729	730	730	729	726	727	722	719	715	712	705	697	691	686	681	676	676
10	684	690	693	696	693	695	693	692	686	680	672	664	654	644	634	624	617	608	604
15	588	593	596	598	596	600	595	595	592	588	581	573	562	552	541	533	522	517	512
20	453	457	457	461	461	466	465	468	465	466	461	459	452	445	435	429	421	414	411
25	300	303	304	309	309	317	319	323	322	327	326	329	327	326	321	319	312	309	305
30	176	182	183	187	188	193	194	197	194	200	201	203	202	204	202	202	198	195	191
35	111	113	115	117	117	119	118	119	118	117	116	116	114	115	113	113	110	108	107
40	76.9	78.2	78.8	79.3	77.9	77.9	77.1	77.3	76.1	75.7	73.7	72.6	70.6	70.2	68.5	67.8	66.6	65.7	67.1
45	57.2	57.5	57.7	57.6	56.3	56.2	55.6	55.5	54.9	54.5	53.4	52.8	51.9	51.2	50.3	49.9	49.6	49.4	50.7
50	30.2	30.6	30.7	31.0	29.9	30.0	29.6	29.4	29.1	28.7	28.3	27.8	27.0	26.8	26.4	26.2	25.9	25.6	26.8
55	21.7	22.0	22.0	22.4	21.1	21.2	21.1	20.9	20.6	20.4	20.1	19.7	19.4	19.1	18.8	18.7	18.4	18.4	19.4
60	17.3	17.5	17.6	17.8	16.5	16.5	16.3	16.2	16.0	15.9	15.8	15.6	15.3	15.1	15.0	14.9	14.7	14.7	15.6
65	14.0	14.1	14.2	14.3	13.0	13.0	13.0	12.9	12.8	12.8	12.7	12.6	12.4	12.4	12.2	12.1	12.0	12.0	12.9
70	11.8	11.9	12.0	12.2	10.8	10.9	10.8	10.9	10.8	10.8	10.7	10.6	10.6	10.5	10.4	10.3	10.3	10.3	11.3
75	8.39	8.41	8.41	8.50	7.16	7.25	7.19	7.25	7.17	7.17	7.17	7.29	7.27	7.38	7.35	7.39	7.35	7.42	8.45
80	5.67	5.73	5.69	5.76	4.40	4.40	4.35	4.36	4.36	4.40	4.40	4.47	4.47	4.53	4.51	4.54	4.52	4.54	5.75
85	1.84	2.83	3.29	3.42	2.02	2.06	2.06	2.10	2.10	2.15	2.17	2.22	2.24	2.31	2.32	2.39	2.38	2.43	3.78
90	1.24	1.32	1.36	1.49	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.05	0.06	0.12	0.08	0.05	1.61
95	1.24	1.35	1.38	1.63	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	1.50
100	1.27	1.37	1.45	1.86	0.09	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.10	1.36
105	1.35	1.47	1.54	1.93	0.14	0.15	0.14	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.15	0.16	1.32
110	1.40	1.56	1.64	1.96	0.21	0.21	0.22	0.22	0.22	0.22	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.23	1.32
115	1.52	1.64	1.71	1.93	0.31	0.31	0.32	0.31	0.31	0.32	0.32	0.31	0.32	0.32	0.33	0.33	0.34	0.35	1.39
120	1.63	1.70	1.77	1.92	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.50	0.51	1.48
125	1.84	1.88	1.92	2.02	0.74	0.72	0.73	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.76	0.75	0.76	0.77	1.67
130	2.18	2.20	2.23	2.29	1.08	1.07	1.08	1.08	1.09	1.08	1.09	1.09	1.10	1.10	1.12	1.13	1.14	1.15	2.01
135	2.60	2.60	2.60	2.66	1.52	1.52	1.52	1.52	1.54	1.53	1.55	1.55	1.57	1.58	1.59	1.60	1.63	1.64	2.45
140	3.10	3.08	3.09	3.15	2.05	2.05	2.05	2.05	2.06	2.08	2.09	2.10	2.11	2.12	2.14	2.16	2.19	2.21	2.98
145	3.65	3.63	3.63	3.62	2.61	2.60	2.61	2.63	2.65	2.66	2.67	2.68	2.69	2.70	2.72	2.74	2.77	2.79	3.58
150	4.20	4.17	4.15	4.19	3.18	3.18	3.20	3.21	3.22	3.22	3.23	3.25	3.26	3.27	3.28	3.29	3.31	3.33	4.13
155	4.69	4.68	4.65	4.66	3.68	3.69	3.70	3.71	3.72	3.73	3.73	3.73	3.73	3.72	3.73	3.74	3.75	3.77	4.59
160	5.08	5.07	5.05	5.04	4.09	4.12	4.11	4.13	4.12	4.11	4.10	4.07	4.08	4.08	4.07	4.06	4.06	4.08	4.90
165	5.35	5.37	5.35	5.32	4.36	4.38	4.37	4.37	4.38	4.36	4.32	4.29	4.28	4.28	4.27	4.29	4.27	4.27	5.13
170	5.51	5.52	5.51	5.48	4.49	4.50	4.51	4.51	4.48	4.44	4.42	4.40	4.38	4.37	4.39	4.40	4.37	4.34	5.23
175	5.57	5.57	5.55	5.56	4.64	4.63	4.61	4.59	4.56	4.53	4.52	4.49	4.51	4.52	4.54	4.50	4.46	4.41	5.38
180	5.59	5.59	5.59	5.58	4.64	4.65	4.59	4.57	4.58	4.59	4.58	4.59	4.60	4.63	4.61	4.58	4.55	4.54	5.60

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:0.0684A P:8.169W PF:0.9929 Lamp Flux:585.682xl lm		
NAME: 8823	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	718	716	713	713	713	712	712	715	717	713	714	716	716	710	716	717	715		
5	669	666	666	662	661	663	665	670	672	676	682	689	691	699	703	710	714		
10	598	594	593	591	589	593	597	600	609	616	623	629	637	648	654	663	673		
15	505	503	500	499	500	503	507	511	517	526	532	539	546	557	561	570	578		
20	405	402	396	395	393	397	399	405	409	418	419	425	428	434	434	441	444		
25	297	294	286	283	283	283	279	281	282	283	284	288	287	291	290	293	292		
30	185	182	176	175	173	172	167	166	163	164	164	166	168	170	170	172	172		
35	103	103	103	104	104	103	101	99.1	97.2	97.6	97.5	100	102	104	105	107	108		
40	67.1	68.1	68.2	67.7	67.7	68.5	68.2	68.5	68.4	68.8	68.4	69.0	69.7	71.0	71.8	73.0	74.3		
45	50.4	50.8	50.6	49.9	49.9	50.1	50.1	50.8	50.8	51.5	51.8	52.2	52.2	52.8	53.4	54.1	54.6		
50	26.5	26.7	26.6	25.9	25.8	26.0	26.0	26.2	26.3	26.6	26.6	26.7	27.0	27.4	27.7	28.1	28.2		
55	19.4	19.5	19.5	18.7	18.7	18.8	18.8	18.9	19.1	19.2	19.2	19.3	19.5	19.8	19.9	20.1	20.1		
60	15.6	15.7	15.6	14.7	14.8	14.8	14.8	14.9	14.9	15.1	15.2	15.3	15.6	15.8	16.0	15.8	15.9		
65	12.9	12.9	13.0	12.1	12.1	12.1	11.9	12.0	12.0	12.0	12.2	12.3	12.4	12.6	12.6	12.6	12.6		
70	11.3	11.3	11.3	10.3	10.3	10.3	10.2	10.2	10.1	10.2	10.2	10.3	10.4	10.5	10.5	10.5	10.5		
75	8.48	8.57	8.56	7.33	7.23	7.25	7.11	7.09	7.01	7.09	7.04	7.08	7.04	7.08	7.07	7.14	7.13		
80	5.90	5.95	5.99	4.46	4.43	4.44	4.41	4.43	4.40	4.43	4.43	4.46	4.46	4.51	4.48	4.51	4.47		
85	3.93	3.88	3.93	2.30	2.24	2.22	2.18	2.18	2.17	2.16	2.15	2.14	2.10	2.09	2.06	2.05	2.01		
90	1.91	1.90	1.94	0.06	0.07	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
95	1.70	1.63	1.70	0.08	0.07	0.08	0.08	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.08		
100	1.45	1.54	1.49	0.12	0.11	0.12	0.12	0.11	0.11	0.10	0.11	0.11	0.10	0.10	0.10	0.10	0.10		
105	1.35	1.85	1.40	0.17	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.16	0.15	0.14	0.14	0.15	0.14		
110	1.32	1.41	1.39	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21		
115	1.38	1.41	1.41	0.35	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.33	0.33	0.33	0.32	0.32	0.32		
120	1.47	1.49	1.50	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.52	0.51	0.51	0.50	0.50	0.49	0.49		
125	1.67	1.66	1.70	0.78	0.79	0.79	0.80	0.80	0.80	0.80	0.80	0.79	0.78	0.77	0.76	0.76	0.76		
130	2.01	2.00	2.02	1.17	1.17	1.17	1.18	1.18	1.20	1.18	1.18	1.17	1.16	1.15	1.14	1.13	1.11		
135	2.46	2.46	2.47	2.48	1.66	1.66	1.67	1.68	1.69	1.67	1.67	1.64	1.64	1.62	1.59	1.58	1.57		
140	2.99	3.00	3.02	3.02	2.22	2.23	2.25	2.24	2.24	2.23	2.22	2.20	2.18	2.15	2.14	2.11	2.10		
145	3.58	3.59	3.60	3.59	2.79	2.80	2.81	2.82	2.83	2.81	2.80	2.77	2.75	2.71	2.70	2.67	2.66		
150	4.13	4.14	4.14	4.14	3.31	3.31	3.34	3.33	3.36	3.34	3.33	3.30	3.28	3.26	3.24	3.21	3.18		
155	4.57	4.58	4.59	4.54	3.70	3.72	3.74	3.74	3.77	3.77	3.75	3.73	3.72	3.71	3.72	3.69	3.68		
160	4.90	4.88	4.89	4.89	4.01	3.98	4.02	4.02	4.06	4.07	4.06	4.07	4.08	4.06	4.03	4.02	4.04		
165	5.13	5.11	5.10	5.09	4.17	4.19	4.21	4.23	4.26	4.28	4.28	4.29	4.27	4.26	4.26	4.28	4.29		
170	5.25	5.26	5.24	5.19	4.23	4.25	4.26	4.29	4.33	4.37	4.36	4.38	4.37	4.36	4.36	4.41	4.45		
175	5.37	5.41	5.41	5.41	4.42	4.39	4.41	4.42	4.43	4.44	4.49	4.53	4.52	4.52	4.50	4.49	4.52		
180	5.57	5.60	5.59	5.60	4.64	4.58	4.57	4.57	4.59	4.58	4.59	4.60	4.65	4.61	4.58	4.56	4.57		

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: