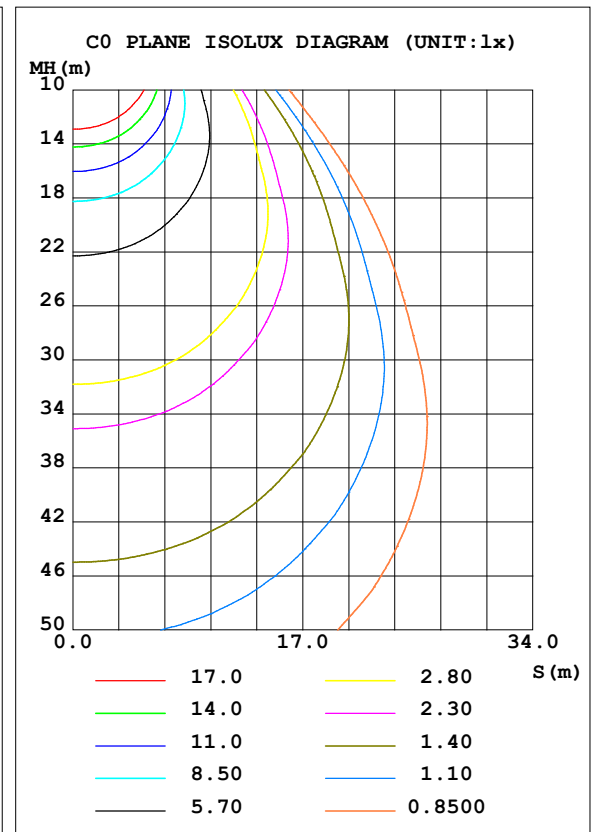
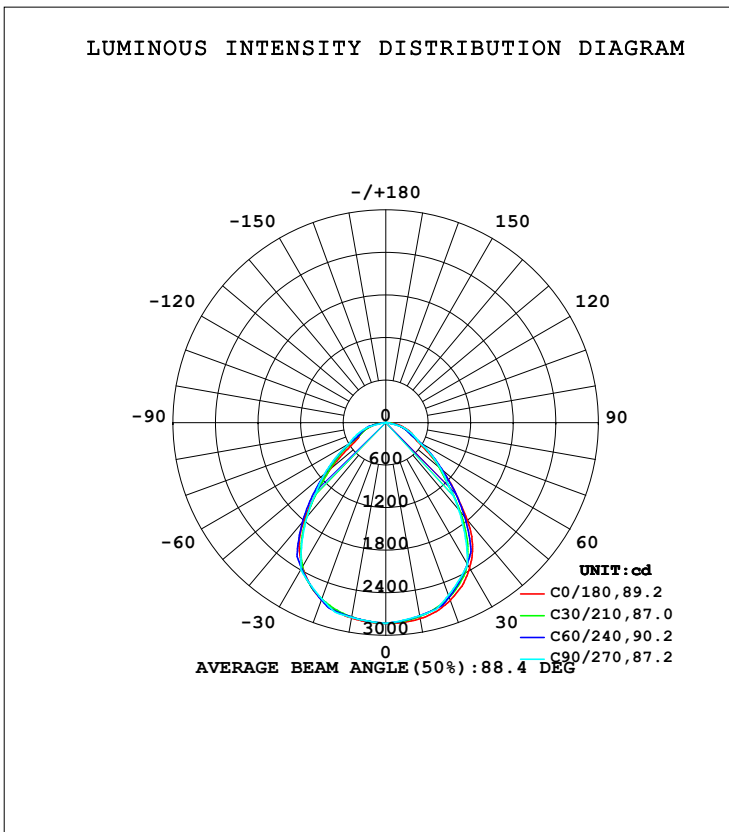


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.17 lm/W			
MODEL		I <sub>max</sub> (cd)	2833	S/MH (C0/180)	1.23
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	5950.5	<input type="checkbox"/> UP, DN (C0-180)	0.0, 48.9
NOMINAL FLUX (lm)	5950.49	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0, 51.1
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	<input type="checkbox"/> down (%)	100.0	CIBSE SHR MAX	1.30



H  Range: -90 - 90DEG  
H  Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2021-09-29

V (B) Range: -75 - 75DEG  
V (B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity: 65.0%  
Test Distance: 7.500m [K=1.0600]  
Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	2805	2768	2765	2763	2797	2781	2789	2785	0- 10	267.3	267.3	4.49,4.49
20	2665	2640	2590	2641	2658	2673	2644	2670	10- 20	769.8	1037	17.4,17.4
30	2366	2274	2309	2281	2350	2347	2397	2328	20- 30	1149	2186	36.7,36.7
40	1784	1713	1600	1696	1795	1834	1726	1803	30- 40	1284	3470	58.3,58.3
50	1038	1032	1009	1022	1019	1095	1127	1090	40- 50	1061	4531	76.1,76.1
60	503.4	617.8	536.4	604.5	464.1	644.8	599.8	644.6	50- 60	721.5	5252	88.3,88.3
70	358.0	335.1	335.5	319.3	322.8	355.1	381.0	356.9	60- 70	436.4	5689	95.6,95.6
80	169.4	117.6	0	107.2	143.2	145.8	0	152.8	70- 80	236.5	5925	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	25.25	5950	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 4041.5 lm

%lum = 67.9%

%lamp = 67.9%

Conical surface Flux(120deg): 5252.4 lm

%lum = 88.3%

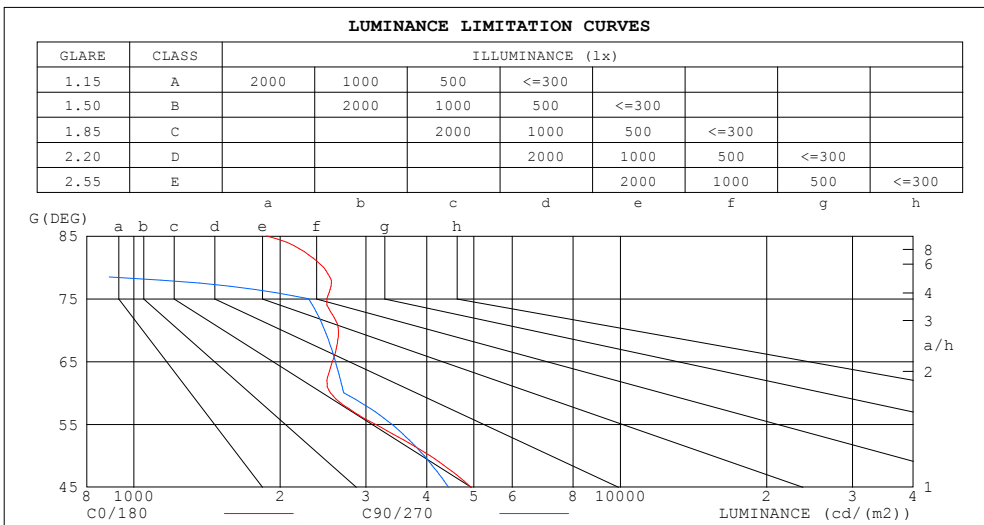
%lamp = 88.3%

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



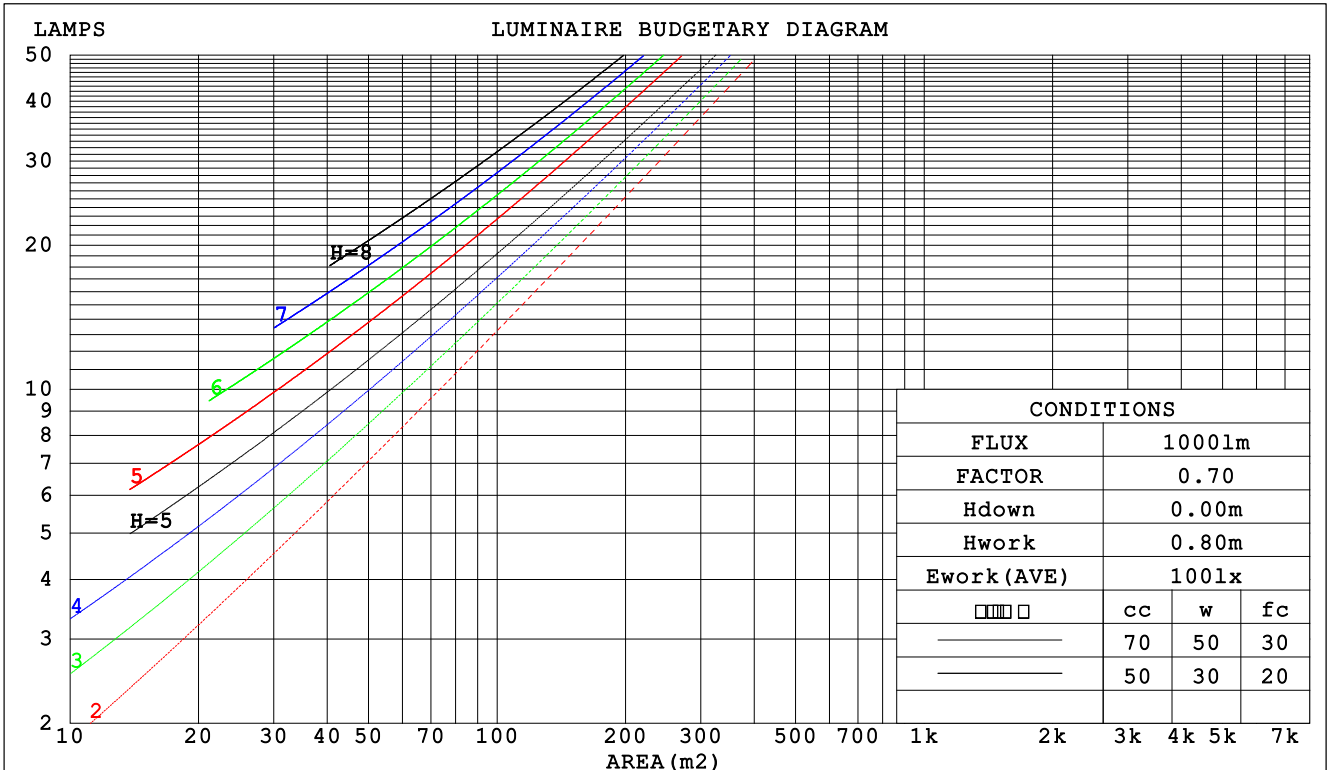
H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.07	1.03	.00	1.04	1.01	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.89	.88
2.0	.95	.89	.84	.93	.88	.83	.90	.85	.81	.86	.83	.79	.84	.80	.78	.76
3.0	.85	.78	.72	.83	.77	.71	.80	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.76	.69	.63	.75	.68	.62	.73	.66	.61	.70	.65	.61	.68	.64	.60	.58
5.0	.69	.61	.55	.68	.60	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.59	.53	.48	.57	.52	.47	.46
7.0	.57	.49	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.39	.51	.44	.39	.50	.43	.39	.49	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.39	.35	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.36	.32	.31



H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

**WEC AND CCEC**

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.258	.147	.046	.251	.143	.045	.238	.136	.044	.226	.130	.042	.215	.124	.040	
2.0	.249	.136	.042	.243	.134	.041	.231	.129	.040	.221	.124	.039	.211	.120	.038	
3.0	.235	.125	.037	.229	.123	.037	.219	.119	.036	.210	.115	.035	.202	.112	.035	
4.0	.220	.114	.034	.215	.113	.033	.206	.109	.033	.198	.107	.032	.191	.104	.032	
5.0	.206	.105	.030	.202	.104	.030	.194	.101	.030	.187	.099	.029	.180	.096	.029	
6.0	.193	.097	.028	.189	.096	.028	.183	.094	.027	.176	.092	.027	.170	.090	.027	
7.0	.181	.090	.025	.178	.089	.025	.172	.087	.025	.166	.085	.025	.161	.084	.025	
8.0	.171	.083	.023	.168	.083	.023	.162	.081	.023	.157	.080	.023	.152	.078	.023	
9.0	.161	.078	.022	.159	.077	.022	.154	.076	.022	.149	.075	.021	.145	.073	.021	
10.0	.153	.073	.020	.150	.073	.020	.146	.071	.020	.142	.070	.020	.138	.069	.020	

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.138	.151	.134	.119	.103	.092	.082	.060	.054	.048	.019	.017	.016	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.056	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.063	.128	.087	.054	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.036	.111	.064	.031	.077	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.123	.068	.031	.106	.059	.027	.073	.042	.019	.043	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.039	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.097	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.3	17.6	16.5	17.8	18.0	16.5	17.9	16.8	18.1	18.3
3H	17.2	18.4	17.4	18.6	18.9	17.4	18.7	17.7	18.9	19.1
4H	17.5	18.7	17.8	19.0	19.2	17.8	19.0	18.1	19.2	19.5
6H	17.9	19.0	18.2	19.3	19.5	17.8	18.9	18.1	19.2	19.5
8H	18.0	19.1	18.3	19.3	19.6	17.8	18.8	18.1	19.1	19.4
12H	18.0	19.1	18.4	19.4	19.7	17.7	18.7	18.1	19.0	19.3
4H 2H	16.6	17.8	16.9	18.0	18.3	16.8	18.0	17.1	18.3	18.5
3H	17.7	18.7	18.0	19.0	19.3	17.9	18.9	18.3	19.2	19.5
4H	18.2	19.1	18.5	19.4	19.8	18.4	19.3	18.8	19.6	20.0
6H	18.6	19.5	19.0	19.8	20.2	18.5	19.3	18.8	19.6	20.0
8H	18.8	19.6	19.2	19.9	20.3	18.4	19.2	18.8	19.5	19.9
12H	18.9	19.6	19.3	20.0	20.4	18.4	19.1	18.8	19.4	19.8
8H 4H	18.4	19.1	18.8	19.5	19.9	18.6	19.3	19.0	19.7	20.1
6H	18.9	19.6	19.4	20.0	20.4	18.7	19.3	19.1	19.7	20.1
8H	19.2	19.7	19.6	20.1	20.6	18.6	19.2	19.1	19.6	20.0
12H	19.3	19.8	19.8	20.2	20.7	18.6	19.1	19.1	19.5	20.0
12H 4H	18.3	19.0	18.8	19.4	19.8	18.6	19.3	19.0	19.6	20.0
6H	18.9	19.5	19.4	19.9	20.4	18.7	19.2	19.1	19.6	20.1
8H	19.2	19.6	19.6	20.1	20.5	18.6	19.1	19.1	19.5	20.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.6				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.5				
2.0H	+ 1.1 / - 1.0					+ 0.9 / - 1.3				

CIE Pub.117, 5950 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.2)

H(□) Range:-90 - 90DEG	V(B) Range:-75 - 75DEG
H(□) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:7.500m [K=1.0600]
Test Date:2021-09-29	Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

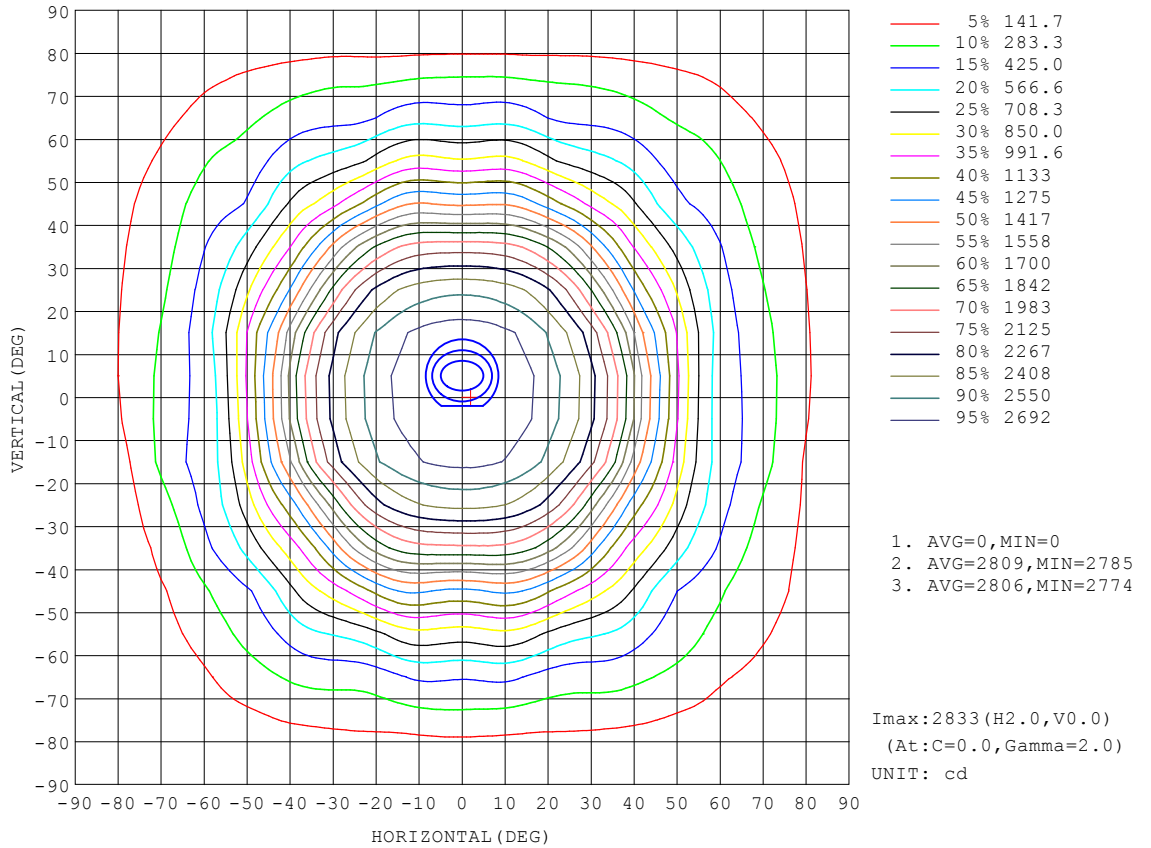
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	55	49	65	55	49	64	55	49	43
0.80	75	65	59	74	65	59	73	64	58	52
1.00	83	74	68	82	73	67	80	74	67	61
1.25	90	81	75	88	80	75	86	79	74	67
1.50	94	86	80	93	85	80	90	83	79	72
2.00	100	93	87	98	92	87	95	89	85	78
2.50	103	97	92	101	95	91	97	93	89	81
3.00	106	100	96	104	99	95	100	96	92	85
4.00	109	104	101	107	103	99	103	99	96	88
5.00	111	107	104	109	105	102	104	101	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



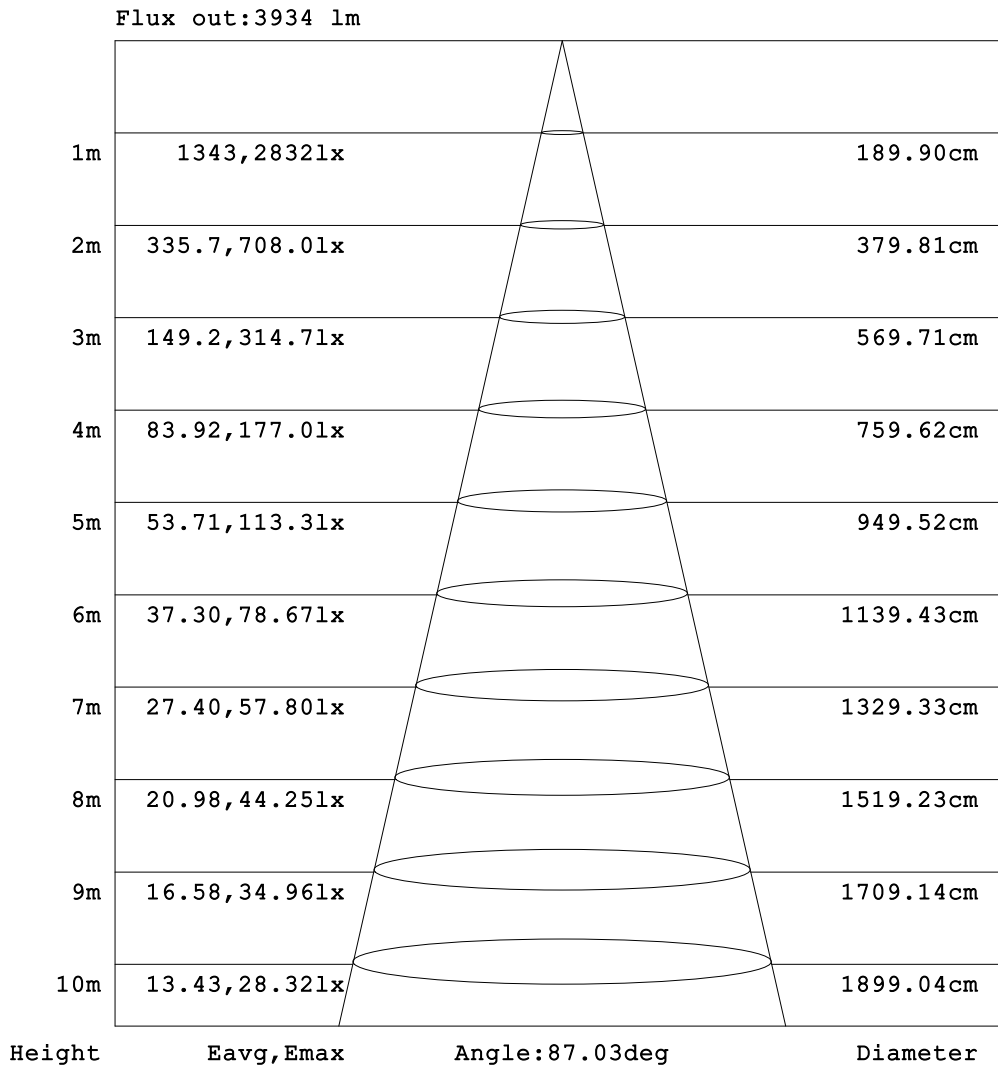
H(□) Range:-90 - 90DEG  
 H(□) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0600]  
 Remarks:



**AAI Figure**

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



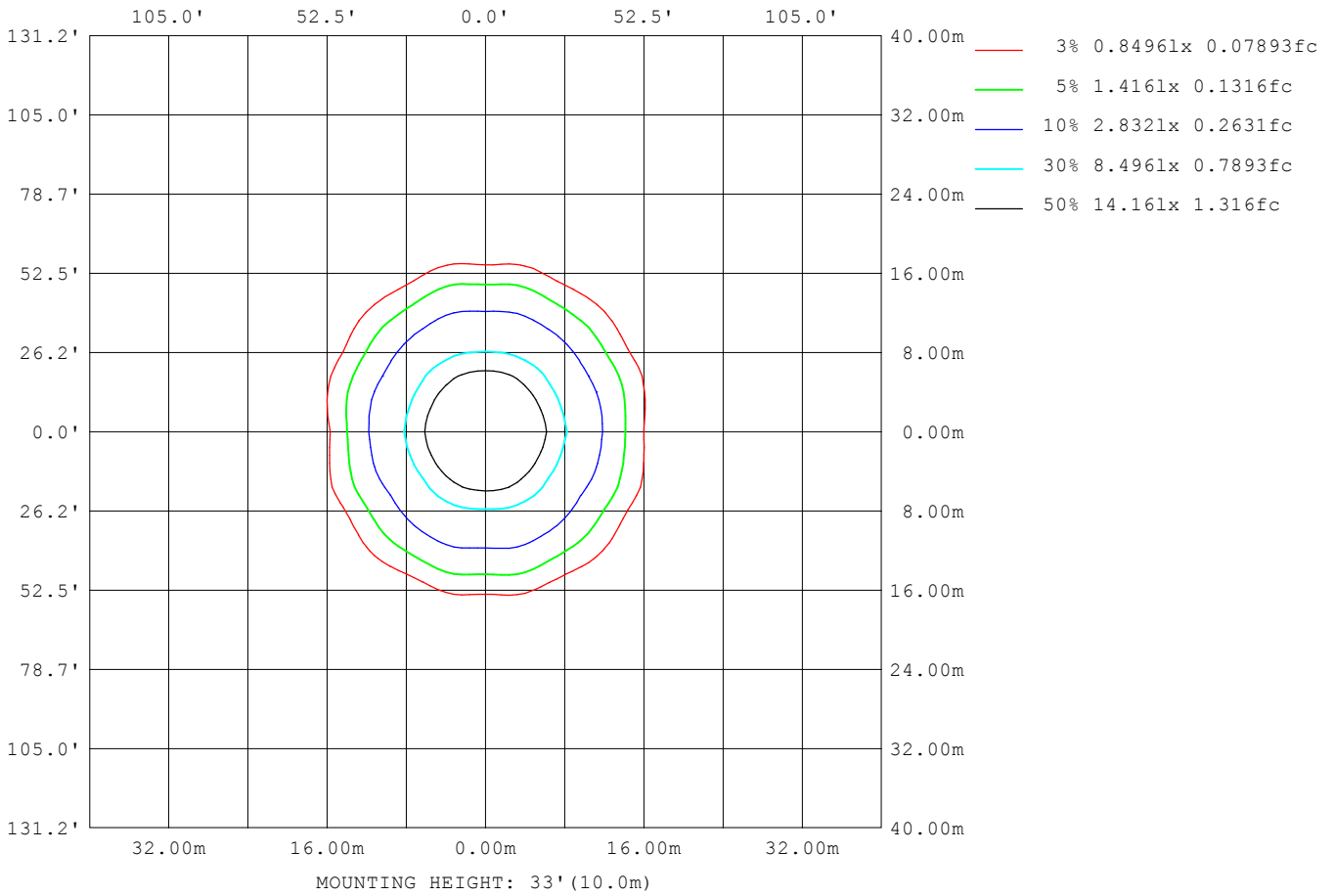
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(□) Range:-90 - 90DEG  
 H(□) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0600]  
 Remarks:

**LED Avg.L Report**

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

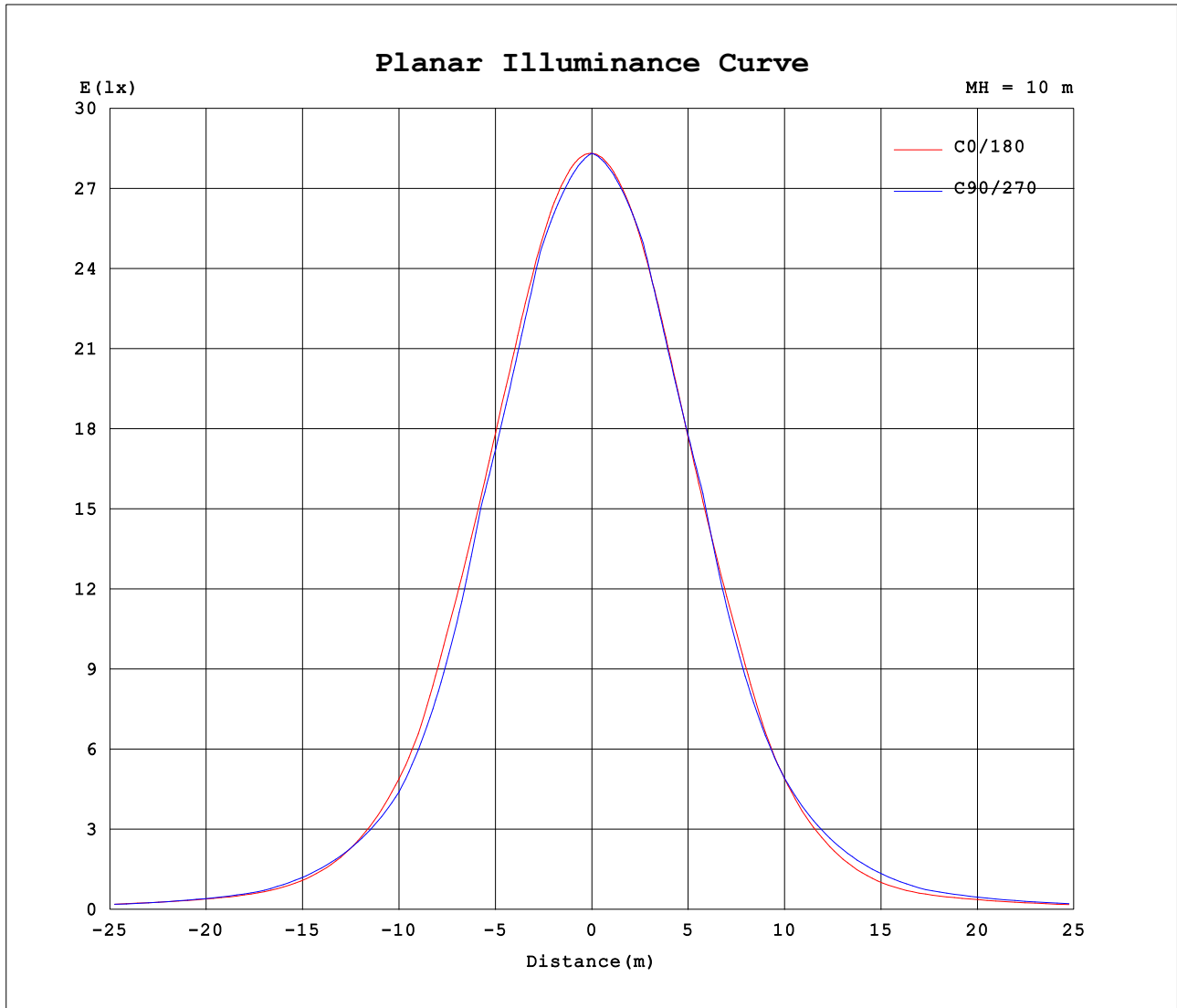
AvgL	cd/m2
L_0~180 (65) av	2478
L_0~180 (75) av	2337
L_0~180 (85) av	1575
L_90~270 (65) av	2759
L_90~270 (75) av	2464
L_90~270 (85) av	0
L_45 (65) av	2774
L_45 (75) av	2375
L_45 (85) av	0

Standard: GB/T 29293-2012

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

**Planar Illuminance Curve**



H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832
5	2829	2826	2823	2820	2817	2814	2812	2810	2808	2806	2805	2804	2802	2802	2800	2799	2798	2798	2798
10	2805	2798	2792	2787	2782	2779	2774	2771	2769	2768	2767	2766	2766	2765	2765	2765	2765	2763	2765
15	2757	2745	2735	2727	2720	2716	2713	2713	2713	2715	2716	2717	2721	2723	2726	2728	2730	2729	2731
20	2665	2648	2635	2625	2620	2619	2621	2626	2632	2640	2637	2626	2617	2608	2603	2598	2594	2592	2590
25	2544	2517	2497	2484	2478	2480	2487	2503	2488	2479	2473	2469	2465	2463	2458	2456	2454	2452	2450
30	2366	2331	2307	2295	2294	2302	2296	2277	2271	2274	2282	2293	2302	2309	2312	2312	2312	2312	2309
35	2136	2085	2054	2043	2052	2034	1999	1989	2001	2029	2061	2094	2083	2064	2041	2014	1987	1965	1955
40	1784	1722	1687	1679	1685	1656	1635	1629	1660	1713	1734	1736	1733	1728	1714	1687	1650	1616	1600
45	1386	1344	1326	1328	1301	1275	1257	1253	1295	1337	1367	1375	1378	1386	1386	1363	1318	1267	1245
50	1038	1014	1019	1030	1023	1012	987	982	1008	1032	1043	1038	1044	1072	1097	1099	1072	1029	1009
55	715	715	739	754	774	783	767	764	782	798	801	796	792	804	831	847	831	793	773
60	503	519	546	565	583	563	542	539	589	618	617	591	561	551	566	591	588	555	536
65	430	432	428	437	427	405	390	411	441	459	452	415	387	386	411	447	461	446	436
70	358	348	311	299	287	294	311	330	335	335	336	325	305	299	309	331	343	338	336
75	256	230	198	200	198	203	219	234	232	233	234	229	221	215	212	217	224	229	235
80	169	136	143	136	135	123	125	130	130	118	97.5	76.1	56.2	38.9	24.6	14.2	6.61	1.71	0.00
85	64.9	48.8	47.4	42.2	37.7	22.1	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
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	0.00	0.00

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ □ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832
5	2798	2797	2797	2797	2798	2799	2800	2801	2802	2802	2804	2806	2808	2810	2813	2816	2819	2822	2820
10	2763	2762	2763	2762	2761	2761	2762	2762	2763	2764	2766	2768	2771	2775	2779	2785	2790	2797	2793
15	2728	2728	2725	2723	2721	2718	2715	2713	2710	2709	2709	2709	2712	2716	2721	2728	2736	2747	2739
20	2590	2592	2594	2600	2606	2614	2624	2635	2641	2633	2626	2622	2623	2624	2627	2634	2644	2658	2647
25	2450	2450	2451	2454	2456	2460	2465	2472	2483	2503	2522	2505	2493	2486	2486	2492	2505	2525	2510
30	2309	2308	2305	2303	2300	2295	2289	2285	2281	2281	2290	2314	2321	2307	2302	2307	2324	2350	2329
35	1960	1978	2005	2033	2056	2077	2088	2057	2025	1999	1992	2011	2057	2077	2062	2066	2090	2133	2097
40	1608	1638	1679	1713	1732	1738	1737	1726	1696	1642	1622	1638	1671	1711	1706	1708	1739	1795	1758
45	1258	1304	1360	1394	1400	1392	1381	1359	1320	1275	1234	1255	1286	1324	1361	1347	1353	1387	1368
50	1022	1061	1097	1105	1085	1059	1045	1039	1022	994	971	974	1003	1020	1026	1005	996	1019	1027
55	788	822	841	827	802	791	793	797	791	767	744	745	759	752	728	700	675	674	707
60	554	579	578	547	530	548	581	606	605	568	518	522	542	566	540	512	484	464	500
65	446	455	435	392	363	371	400	437	443	420	388	367	379	404	420	409	416	402	403
70	340	339	323	298	286	294	312	323	319	311	298	275	256	250	255	272	326	323	304
75	233	224	214	210	211	213	219	223	218	210	203	178	160	153	144	151	193	224	221
80	1.73	6.58	14.0	24.5	38.4	54.2	72.0	91.9	107	113	110	101	91.9	93.0	91.6	92.9	86.8	143	146
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.3	29.7	31.4	30.1	27.8	44.1	45.9
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	0.00	0.00

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C (DEG) □ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832
5	2818	2816	2815	2813	2812	2811	2811	2811	2811	2811	2810	2810	2810	2810	2810	2810	2811	2810	2810
10	2789	2786	2783	2782	2781	2781	2781	2781	2782	2783	2783	2784	2786	2787	2788	2789	2789	2788	2788
15	2734	2730	2728	2727	2729	2731	2734	2738	2742	2747	2751	2756	2758	2763	2766	2767	2768	2765	2765
20	2640	2636	2635	2637	2642	2651	2662	2673	2676	2668	2660	2655	2651	2647	2646	2645	2644	2644	2645
25	2500	2498	2503	2513	2529	2551	2535	2526	2524	2523	2523	2522	2521	2521	2521	2521	2521	2520	2520
30	2318	2319	2329	2347	2350	2338	2339	2347	2354	2364	2375	2383	2388	2391	2396	2397	2397	2396	2394
35	2080	2083	2103	2101	2078	2078	2094	2123	2157	2189	2171	2152	2131	2107	2084	2067	2061	2067	2081
40	1749	1761	1770	1742	1734	1747	1788	1834	1838	1833	1827	1824	1816	1794	1762	1735	1726	1735	1756
45	1373	1398	1378	1362	1360	1381	1414	1439	1456	1462	1469	1483	1496	1483	1443	1405	1390	1404	1433
50	1066	1090	1068	1050	1037	1054	1085	1095	1100	1101	1121	1161	1198	1207	1179	1142	1127	1141	1169
55	768	783	791	793	791	802	823	825	828	840	850	880	919	938	919	882	863	880	911
60	546	562	577	567	556	568	620	645	639	622	602	608	643	667	656	621	600	619	651
65	415	435	437	420	397	422	461	481	472	441	423	433	476	513	521	503	490	502	520
70	299	311	328	331	323	325	340	355	363	360	349	345	364	385	394	386	381	388	397
75	211	215	225	238	245	241	248	260	269	274	274	264	258	261	267	269	272	273	275
80	146	139	139	143	153	155	163	146	122	97.1	73.5	49.2	30.2	17.1	7.89	2.00	0.00	2.04	8.13
85	46.7	49.8	48.8	27.6	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
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	0.00	0.00

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.92V I:0.2547A P:39.626W PF:0.9859 Freq:50.00Hz Lamp Flux:5950.49x1 lm		
NAME: GLM-BPL12060A-40W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--4

UNIT: cd

C (DEG) □ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832	2832				
5	2811	2812	2812	2813	2813	2814	2815	2816	2817	2818	2819	2821	2823	2825	2827				
10	2788	2788	2787	2786	2786	2785	2785	2784	2784	2786	2788	2790	2792	2796	2800				
15	2762	2759	2756	2751	2745	2741	2738	2735	2732	2730	2730	2731	2735	2741	2748				
20	2647	2650	2652	2657	2664	2672	2670	2659	2649	2641	2636	2634	2636	2641	2651				
25	2520	2519	2519	2518	2518	2518	2519	2523	2530	2513	2501	2495	2497	2506	2522				
30	2391	2386	2378	2368	2356	2342	2328	2319	2318	2328	2329	2314	2311	2318	2337				
35	2101	2122	2140	2160	2175	2138	2100	2068	2047	2049	2070	2075	2061	2066	2091				
40	1780	1796	1802	1807	1814	1815	1803	1753	1717	1705	1708	1729	1722	1717	1736				
45	1461	1464	1454	1447	1446	1439	1417	1392	1361	1335	1333	1341	1363	1352	1358				
50	1185	1168	1134	1105	1094	1094	1090	1076	1044	1037	1046	1059	1074	1060	1033				
55	921	895	862	845	840	833	830	820	801	798	808	804	789	771	729				
60	656	627	600	606	627	643	645	618	576	576	591	603	582	558	524				
65	508	469	433	430	445	471	480	463	436	421	438	452	450	429	424				
70	388	366	352	355	363	365	357	344	340	344	341	339	328	326	338				
75	271	271	274	278	278	274	266	255	257	265	252	238	233	240	251				
80	17.9	32.0	51.3	74.5	99.6	126	153	170	167	165	156	154	158	166	166				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.6	55.1	56.3	55.3	56.9			
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				

H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2021-09-29

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0600]  
Remarks: