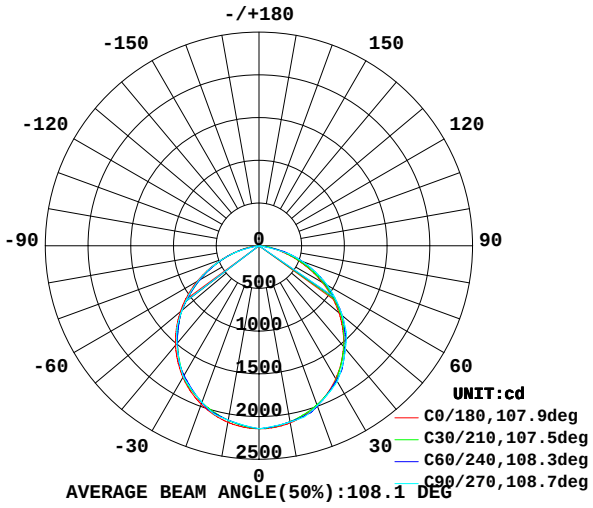
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

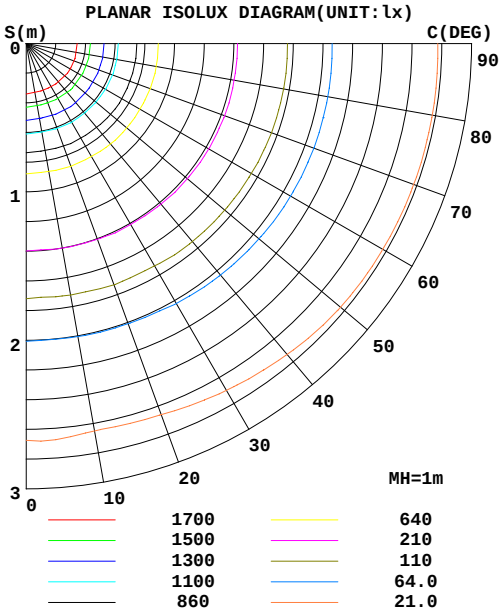
DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.95 lm/W			
MODEL		Imax(cd)	2142	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	5629.6	η UP,DN(C0-180)	0.0,51.2
NOMINAL FLUX(lm)	5629.65	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):108.1 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [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	2134	2122	2118	2119	2130	2112	2108	2114	0- 5	50.86	50.86	0.90,0.90
10	2105	2091	2095	2086	2098	2071	2073	2076	5- 10	150.3	201.2	3.57,3.57
15	2056	2051	2072	2044	2045	2021	2039	2027	10- 15	244.7	445.9	7.92,7.92
20	1988	2000	1992	1994	1976	1963	1950	1970	15- 20	330.9	776.8	13.8,13.8
25	1901	1909	1913	1899	1886	1862	1860	1869	20- 25	404.3	1181	21,21
30	1797	1803	1834	1791	1780	1747	1771	1756	25- 30	463.9	1645	29.2,29.2
35	1676	1692	1705	1677	1657	1626	1633	1637	30- 35	507.5	2152	38.2,38.2
40	1539	1571	1575	1552	1520	1495	1495	1507	35- 40	531.5	2684	47.7,47.7
45	1388	1411	1446	1390	1367	1329	1356	1339	40- 45	536.9	3221	57.2,57.2
50	1222	1250	1272	1226	1201	1162	1178	1170	45- 50	522.9	3744	66.5,66.5
55	1043	1088	1097	1061	1024	994.1	999.1	999.4	50- 55	487.5	4231	75.2,75.2
60	854.5	897.5	922.6	860.2	835.1	799.6	820.4	804.5	55- 60	434.1	4665	82.9,82.9
65	660.3	710.7	732.4	661.3	643.3	610.2	631.4	614.8	60- 65	364.6	5030	89.3,89.3
70	466.6	528.1	542.1	473.6	452.9	431.2	442.4	435.3	65- 70	283.0	5313	94.4,94.4
75	287.6	352.9	351.8	302.5	276.2	265.1	253.4	268.0	70- 75	195.7	5509	97.9,97.9
80	136.4	167.1	0	130.2	127.0	102.6	0	104.0	75- 80	100.7	5610	99.6,99.6
85	30.36	0	0	0	20.06	0	0	0	80- 85	19.44	5629	100,100
90	0	0	0	0	0	0	0	0	85- 90	0.6906	5630	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

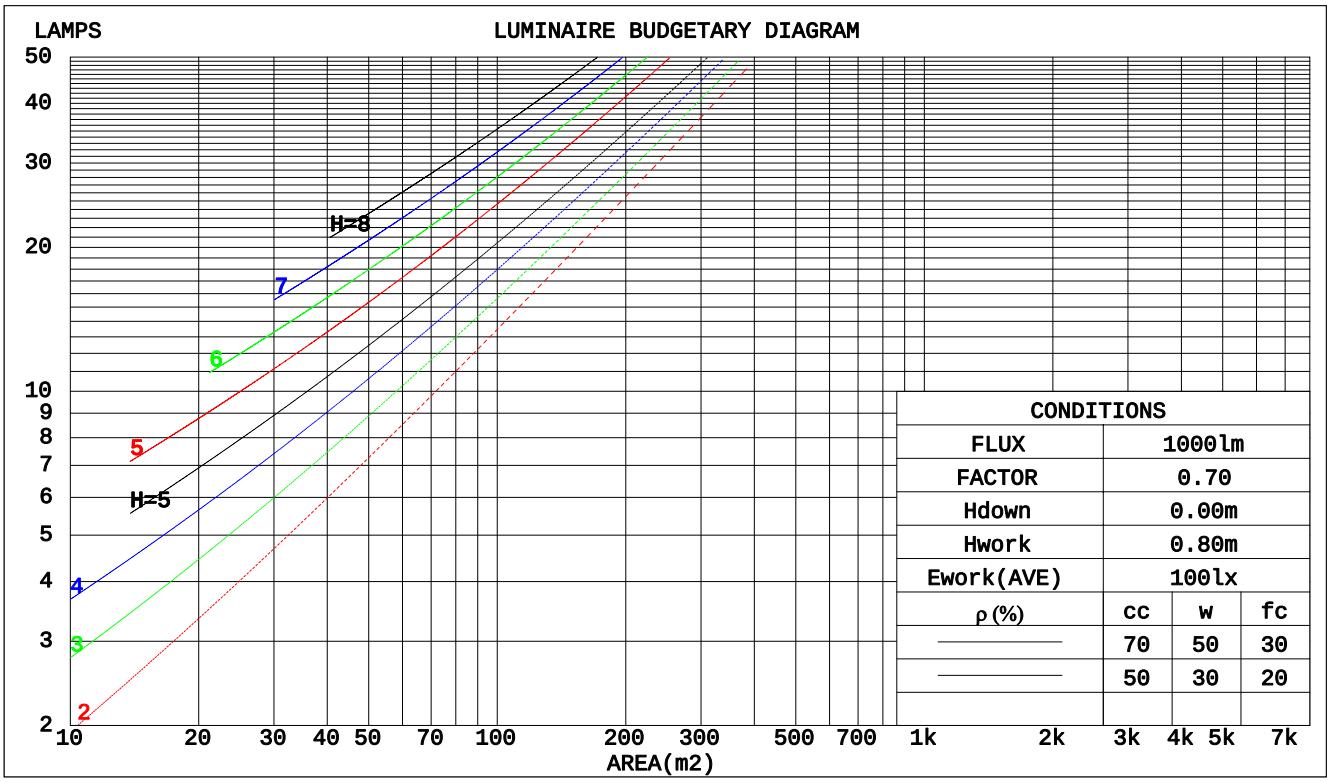
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			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	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.80	.90	.85	.79	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.64	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.62	.56	.66	.60	.55	.64	.59	.55	.52
5.0	.65	.56	.49	.64	.55	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.45
6.0	.58	.49	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.42	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.43	.35	.30	.41	.35	.30	.40	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.38	.32	.27	.26



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.283	.161	.051	.276	.157	.050	.262	.151	.048	.250	.144	.046	.239	.139	.045	
2.0	.274	.150	.046	.268	.147	.045	.256	.142	.044	.245	.138	.043	.236	.133	.042	
3.0	.257	.137	.041	.252	.135	.041	.242	.131	.040	.232	.127	.039	.223	.124	.038	
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.217	.117	.035	.210	.114	.035	
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.032	
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.178	.091	.027	.173	.090	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.075	.021	.150	.074	.021	.145	.073	.021	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.153	.134	.117	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.060	.057	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.060	.133	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.121	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	16.6	18.1	16.8	18.3	18.5	16.9	18.4	17.2	18.6	18.8
	3H	17.7	19.1	18.0	19.3	19.6	18.3	19.7	18.6	19.9	20.2
	4H	18.1	19.4	18.4	19.6	19.9	18.8	20.1	19.1	20.4	20.6
	6H	18.2	19.4	18.5	19.7	20.0	18.9	20.1	19.2	20.3	20.6
	8H	18.2	19.4	18.6	19.7	20.0	18.8	20.0	19.1	20.2	20.5
	12H	18.2	19.3	18.5	19.6	19.9	18.7	19.9	19.1	20.2	20.5
4H	2H	17.2	18.5	17.5	18.7	19.0	17.5	18.8	17.8	19.0	19.3
	3H	18.5	19.6	18.9	19.9	20.2	19.1	20.2	19.4	20.5	20.8
	4H	19.0	20.0	19.3	20.3	20.6	19.7	20.7	20.0	21.0	21.3
	6H	19.2	20.1	19.6	20.4	20.8	19.7	20.6	20.1	21.0	21.4
	8H	19.2	20.1	19.6	20.4	20.8	19.7	20.5	20.1	20.9	21.3
	12H	19.2	20.0	19.7	20.4	20.8	19.7	20.4	20.1	20.8	21.2
8H	4H	19.2	20.1	19.6	20.4	20.8	19.9	20.7	20.3	21.1	21.4
	6H	19.6	20.3	20.0	20.7	21.1	20.0	20.7	20.4	21.1	21.5
	8H	19.7	20.3	20.1	20.7	21.2	19.9	20.5	20.4	21.0	21.4
	12H	19.7	20.2	20.2	20.7	21.2	19.9	20.4	20.4	20.9	21.3
12H	4H	19.2	20.0	19.6	20.3	20.8	19.8	20.6	20.3	21.0	21.4
	6H	19.6	20.2	20.0	20.6	21.1	20.0	20.6	20.4	21.0	21.4
	8H	19.7	20.2	20.2	20.6	21.1	19.9	20.5	20.4	20.9	21.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H		+ 0.2 / - 0.3					+ 0.1 / - 0.3				
2.0H		+ 0.3 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 5630 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.0)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	48	41	58	48	41	57	47	41	34
0.80	69	58	51	68	58	51	67	57	50	44
1.00	78	67	60	77	67	60	75	68	59	53
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	81	74	88	80	74	85	78	72	65
2.00	97	89	83	95	88	82	92	85	80	73
2.50	100	93	88	98	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	100	97	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

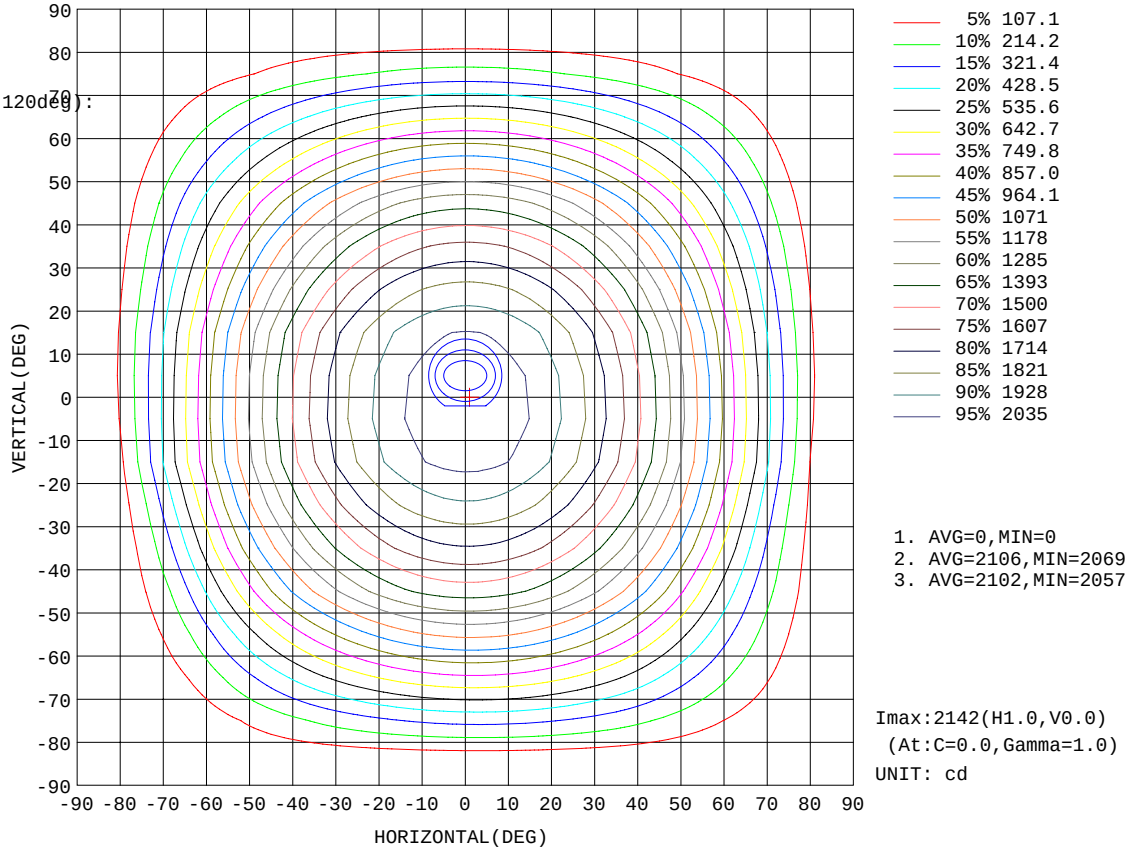
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
3220.9 lm
%lum = 57.2%
%lamp = 57.2%

Conical surface Flux(120deg):
4665.4 lm
%lum = 82.9%
%lamp = 82.9%



1. AVG=0,MIN=0
2. AVG=2106,MIN=2069
3. AVG=2102,MIN=2057

Imax:2142(H1.0,V0.0)
(At:C=0.0,Gamma=1.0)
UNIT: cd

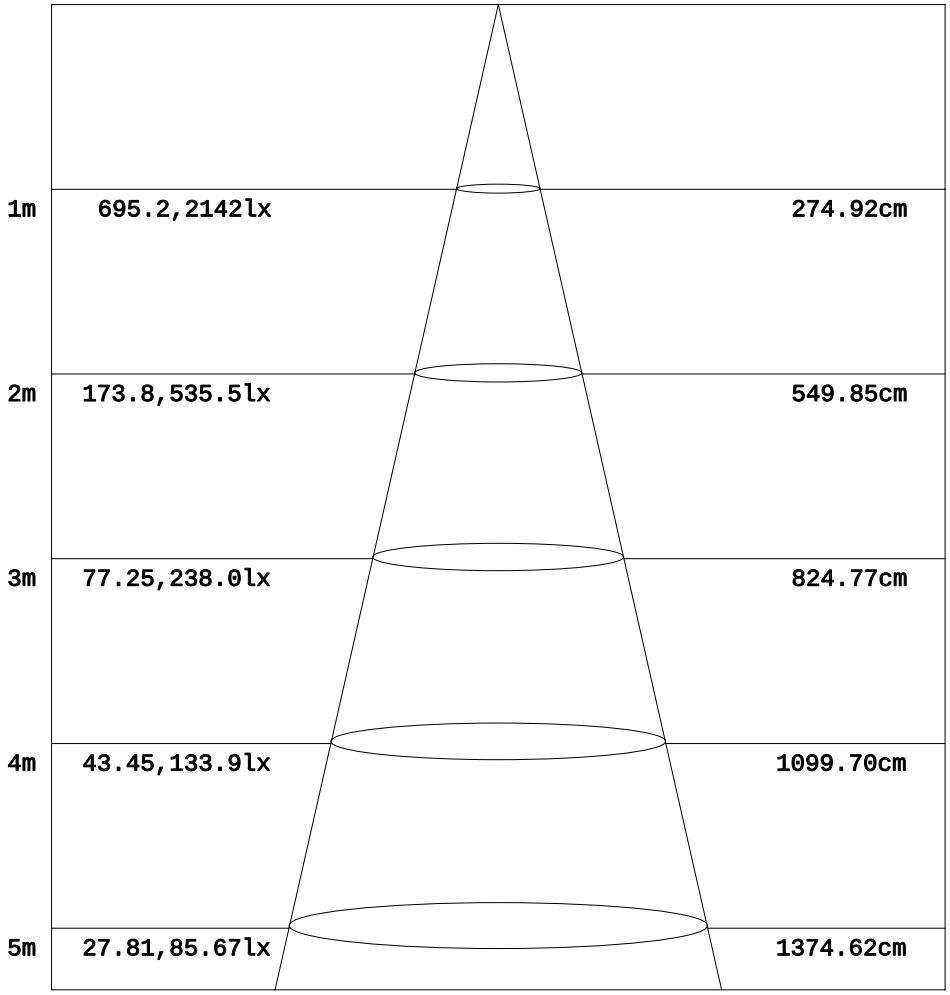
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:4138 lm



Height Eavg,Emax Angle:107.93deg Diameter

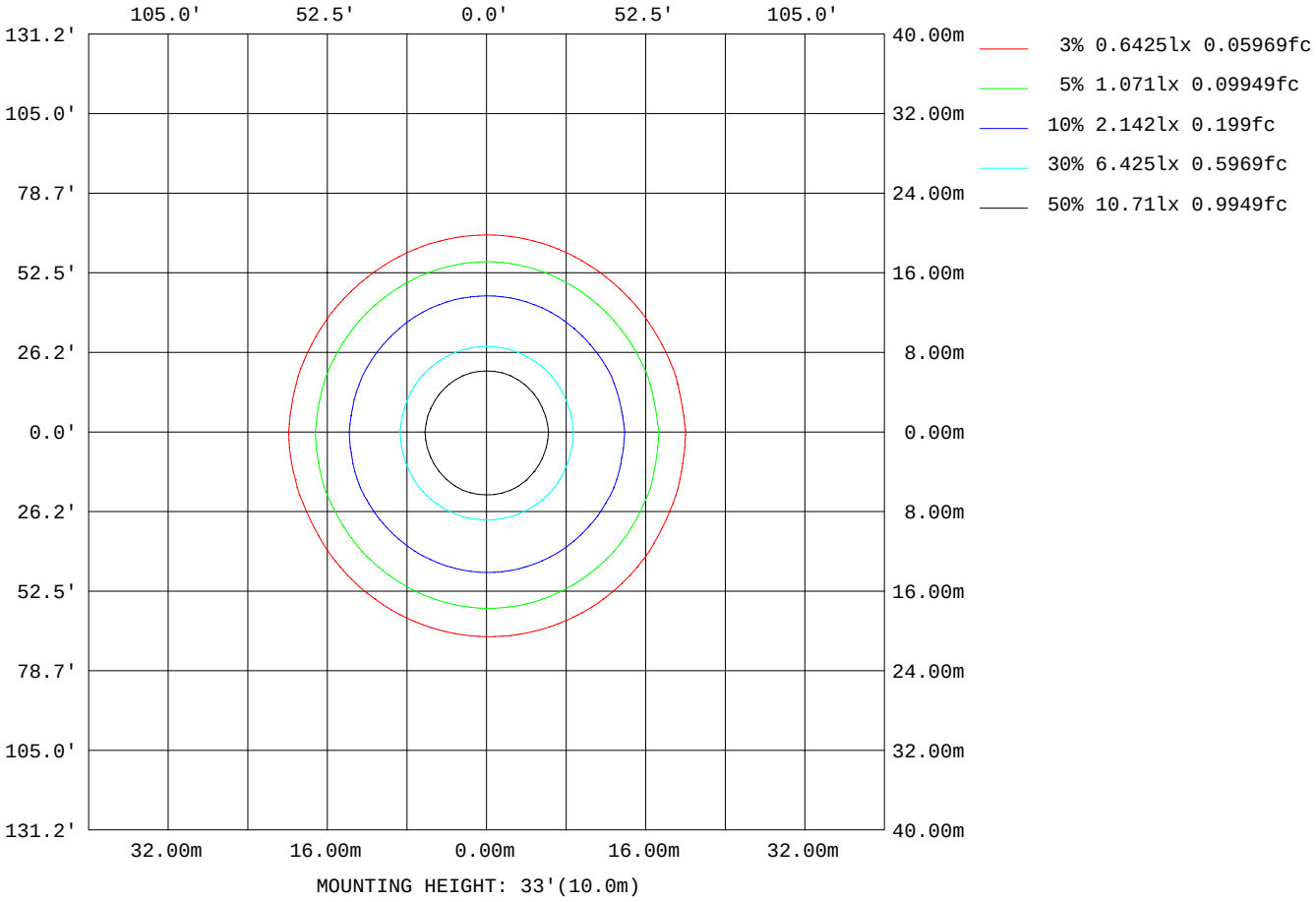
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

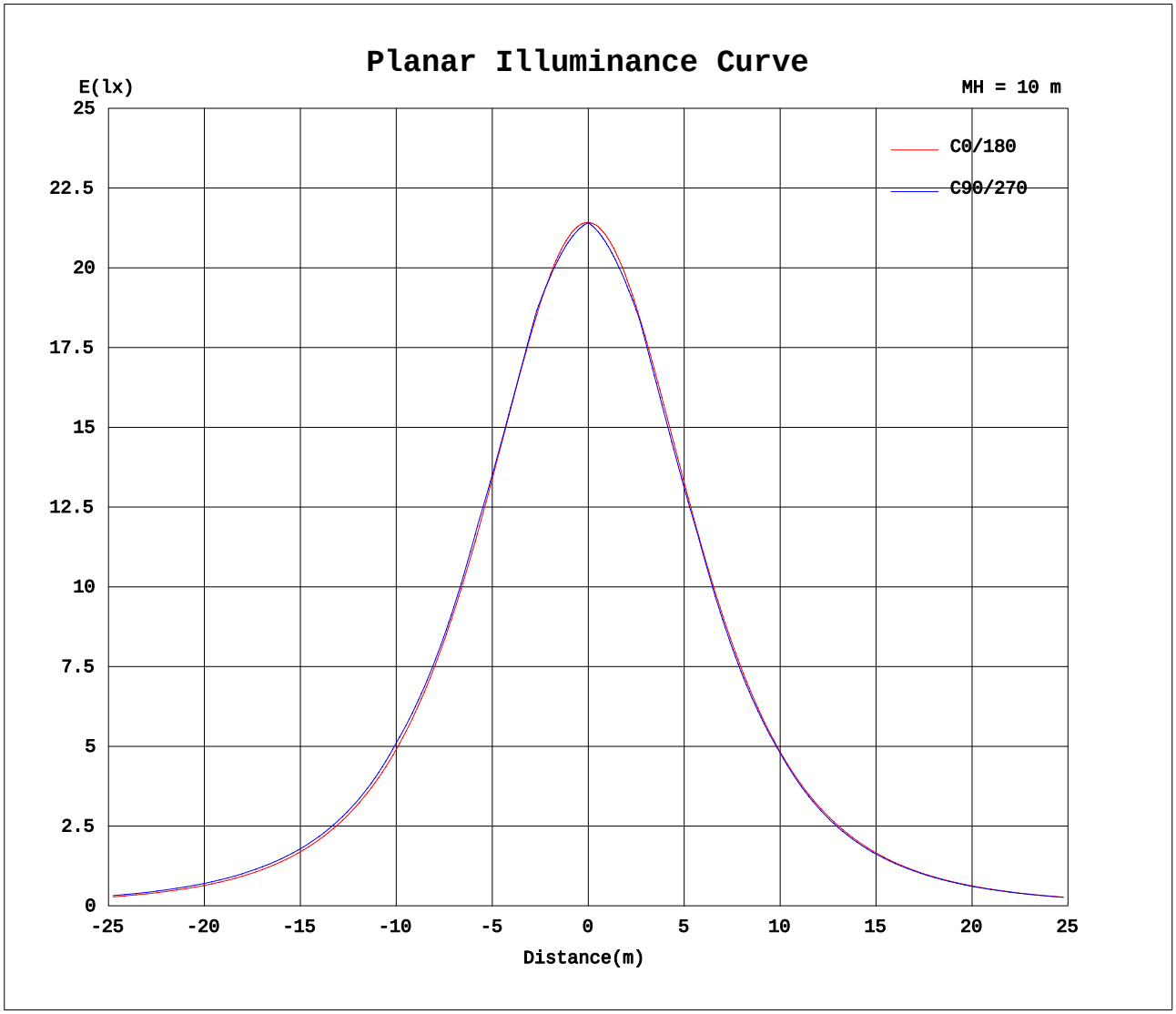
AvgL	cd/m2
L_0~180(65)av	2414
L_0~180(75)av	1704
L_0~180(85)av	453
L_90~270(65)av	2525
L_90~270(75)av	1830
L_90~270(85)av	0
L_45(65)av	2404
L_45(75)av	1797
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

C:\Documents and Settings\Administrator\桌面\规格书对应测试报告\C\GLM-SPL12060-54-C\GLM-SPL12060-54-C.GOS

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142
5	2134	2132	2130	2128	2127	2125	2124	2123	2122	2122	2121	2121	2120	2120	2120	2119	2119	2119	2118
10	2105	2101	2098	2096	2094	2092	2091	2091	2091	2091	2091	2092	2093	2093	2095	2095	2095	2095	2095
15	2056	2051	2047	2044	2043	2042	2043	2045	2047	2051	2054	2058	2061	2064	2067	2069	2071	2072	2072
20	1988	1981	1977	1974	1975	1977	1981	1986	1993	2000	2002	2000	1997	1996	1995	1994	1994	1993	1992
25	1901	1893	1889	1888	1891	1897	1905	1916	1911	1909	1907	1907	1908	1910	1912	1913	1913	1914	1913
30	1797	1788	1784	1786	1793	1804	1808	1803	1802	1803	1807	1812	1817	1822	1826	1831	1833	1834	1834
35	1676	1666	1664	1669	1681	1684	1680	1681	1685	1692	1701	1712	1710	1708	1707	1707	1706	1706	1705
40	1539	1529	1529	1539	1549	1543	1544	1551	1563	1571	1568	1567	1568	1570	1572	1574	1576	1576	1575
45	1388	1378	1381	1396	1391	1392	1402	1417	1413	1411	1414	1418	1424	1430	1437	1441	1445	1447	1446
50	1222	1212	1219	1227	1226	1236	1248	1244	1245	1250	1259	1269	1273	1273	1274	1274	1274	1273	1272
55	1043	1035	1048	1046	1055	1067	1063	1068	1077	1088	1088	1089	1091	1094	1097	1099	1100	1099	1097
60	855	848	858	857	874	867	875	891	895	897	901	906	911	916	920	923	925	925	923
65	660	657	654	660	660	666	680	691	701	711	719	725	729	733	735	736	736	735	732
70	467	467	449	450	459	473	487	501	514	528	537	541	544	546	547	548	547	545	542
75	288	273	261	274	288	303	318	331	343	353	359	361	361	361	360	359	357	355	352
80	136	115	131	144	156	165	174	180	183	167	142	114	87.4	62.6	41.0	23.5	10.5	2.64	0.00
85	30.4	31.6	43.3	48.7	47.5	27.0	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

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2 UNIT: cd

C(DEG) / γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142
5	2118	2118	2118	2119	2119	2119	2119	2119	2119	2119	2120	2121	2122	2123	2125	2126	2128	2130	2127
10	2095	2094	2093	2092	2091	2090	2088	2087	2086	2085	2085	2085	2086	2087	2089	2091	2094	2098	2093
15	2071	2069	2067	2064	2060	2056	2052	2048	2044	2041	2038	2035	2034	2034	2034	2037	2040	2045	2037
20	1992	1991	1991	1990	1991	1991	1993	1996	1994	1985	1978	1971	1967	1964	1963	1965	1969	1976	1965
25	1912	1910	1908	1906	1903	1901	1899	1898	1899	1902	1906	1895	1885	1878	1875	1875	1879	1886	1874
30	1832	1830	1824	1819	1813	1806	1800	1795	1791	1789	1791	1795	1791	1779	1771	1768	1771	1780	1766
35	1703	1702	1700	1699	1697	1698	1698	1687	1677	1669	1665	1665	1670	1666	1653	1647	1648	1657	1642
40	1573	1570	1566	1562	1557	1553	1550	1550	1552	1544	1533	1526	1526	1533	1522	1512	1510	1520	1503
45	1443	1438	1432	1425	1416	1408	1400	1394	1390	1390	1395	1380	1372	1374	1380	1363	1358	1367	1350
50	1269	1265	1262	1259	1256	1254	1248	1236	1226	1220	1218	1223	1212	1205	1210	1203	1194	1201	1184
55	1093	1088	1083	1077	1071	1066	1062	1060	1061	1049	1037	1033	1040	1031	1027	1033	1018	1024	1008
60	918	911	904	896	887	878	871	865	860	857	853	837	834	844	832	843	832	835	822
65	728	723	716	709	701	692	682	672	661	651	641	633	623	619	627	634	644	643	633
70	538	533	528	521	515	507	499	488	474	454	440	428	416	405	405	419	457	453	448
75	348	344	340	335	331	326	320	313	303	289	271	248	230	220	211	215	254	276	271
80	2.59	10.1	22.1	37.9	56.5	76.8	97.2	116	130	136	127	115	101	88.5	83.9	82.9	83.0	127	121
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	9.97	8.81	10.9	11.9	9.60	20.1	17.6
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

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3 UNIT: cd

γ (DEG) \ C(DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142
5	2124	2122	2120	2117	2116	2114	2113	2112	2111	2110	2109	2109	2108	2108	2108	2108	2108	2108	2109
10	2088	2083	2080	2077	2075	2073	2072	2071	2071	2071	2071	2072	2072	2073	2073	2073	2073	2074	2074
15	2031	2026	2022	2020	2019	2019	2020	2021	2024	2026	2029	2031	2034	2036	2038	2039	2039	2039	2038
20	1957	1952	1949	1949	1950	1954	1958	1963	1963	1958	1955	1952	1950	1950	1950	1949	1950	1950	1951
25	1866	1861	1860	1863	1868	1877	1868	1862	1858	1856	1855	1855	1856	1857	1859	1860	1860	1861	1861
30	1758	1755	1757	1764	1764	1755	1749	1747	1747	1749	1752	1756	1760	1764	1767	1770	1771	1771	1770
35	1634	1634	1641	1639	1629	1624	1624	1626	1632	1639	1636	1633	1632	1631	1631	1632	1633	1633	1634
40	1497	1501	1504	1491	1486	1486	1492	1495	1489	1486	1485	1486	1488	1490	1492	1494	1495	1495	1494
45	1347	1356	1342	1334	1335	1343	1334	1329	1328	1330	1334	1339	1344	1349	1352	1355	1356	1356	1354
50	1185	1184	1171	1171	1174	1164	1161	1162	1167	1174	1176	1175	1174	1175	1176	1177	1178	1178	1178
55	1013	999	995	997	987	985	988	994	990	988	988	989	991	994	996	998	999	999	998
60	824	811	814	804	803	809	803	800	798	799	802	805	809	813	817	819	820	820	818
65	627	625	618	619	619	614	611	610	611	614	618	621	624	627	629	631	631	631	630
70	438	436	436	434	431	429	428	431	434	435	437	438	439	441	441	442	442	442	442
75	266	267	264	261	262	265	266	265	263	261	259	257	256	255	254	253	253	254	254
80	121	120	120	123	123	119	113	103	88.5	73.1	57.3	41.9	28.0	16.3	7.42	1.88	0.00	1.88	7.43
85	19.6	18.0	16.4	12.9	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

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2558A P:54.68W PF:0.9704 Lamp Flux:5629.65x1 lm		
NAME: GLM-SPL12060-54-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4 UNIT: cd

γ (DEG) \ C(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142				
5	2109	2109	2110	2111	2112	2113	2114	2115	2117	2119	2121	2123	2125	2128	2131				
10	2074	2074	2074	2074	2074	2075	2076	2077	2078	2080	2083	2086	2090	2094	2099				
15	2038	2037	2035	2033	2030	2029	2027	2026	2026	2026	2028	2032	2036	2041	2048				
20	1953	1954	1956	1959	1964	1969	1970	1965	1961	1959	1958	1959	1963	1969	1977				
25	1861	1861	1861	1861	1863	1865	1869	1876	1885	1877	1873	1872	1873	1879	1888				
30	1768	1766	1763	1760	1757	1756	1756	1759	1764	1774	1775	1770	1768	1772	1782				
35	1636	1637	1640	1644	1649	1642	1637	1635	1635	1640	1650	1653	1648	1650	1659				
40	1494	1493	1492	1493	1494	1499	1507	1504	1499	1498	1503	1516	1514	1513	1520				
45	1351	1348	1343	1340	1337	1337	1339	1346	1357	1349	1347	1354	1368	1362	1368				
50	1178	1178	1178	1180	1179	1173	1170	1171	1176	1188	1184	1184	1195	1197	1201				
55	997	995	993	992	992	995	999	995	994	998	1011	1008	1011	1023	1022				
60	816	812	809	806	804	803	804	808	813	810	814	827	823	832	834				
65	629	627	624	621	618	616	615	616	618	622	623	626	636	635	642				
70	442	441	440	439	438	437	435	432	433	434	437	439	442	447	453				
75	255	257	258	261	263	266	268	269	268	266	265	267	268	272	275				
80	16.3	28.1	42.1	57.6	73.7	89.6	104	115	121	125	126	123	122	123	128				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.3	17.4	19.5	22.7	22.7				
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				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks: