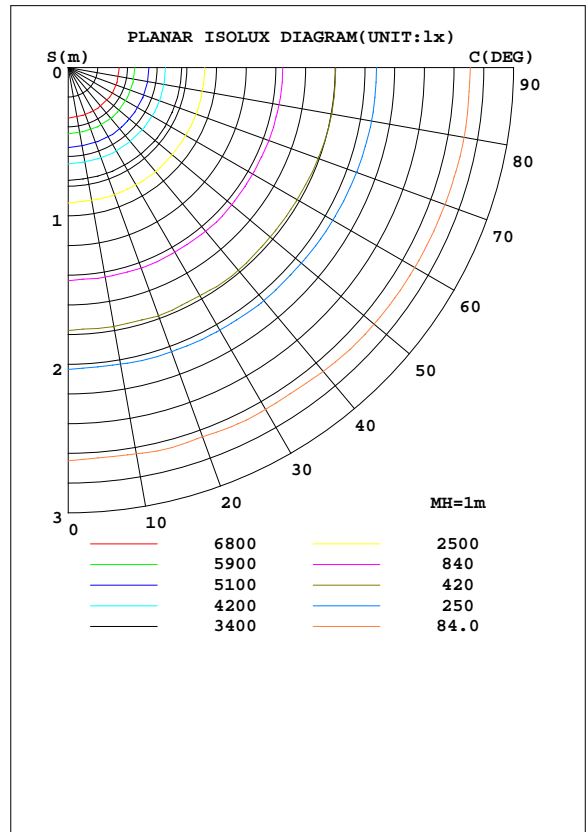
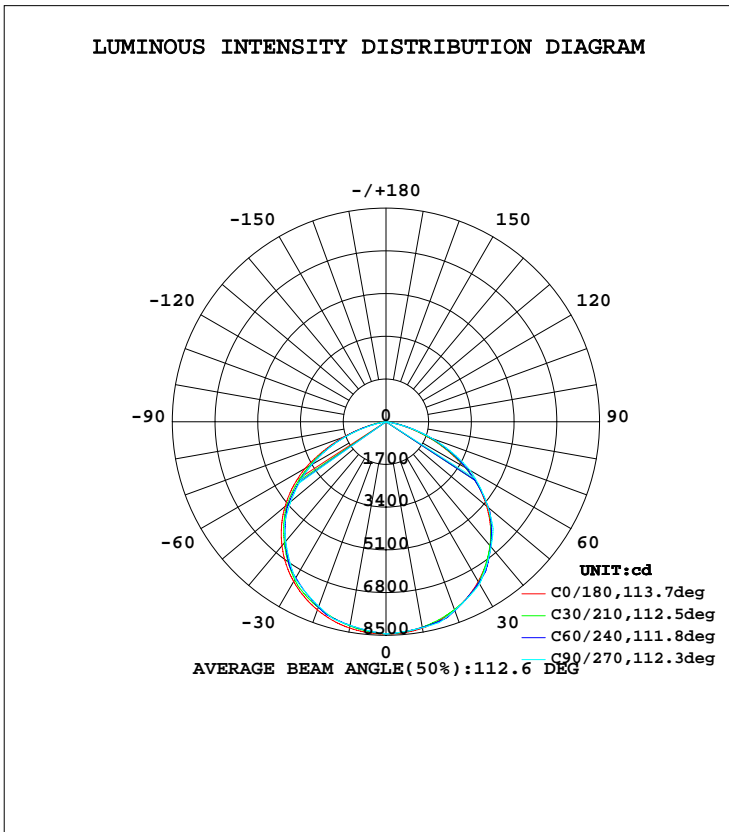


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.56 lm/W			
MODEL		I _{max} (cd)	8446	S/MH(C0/180)	1.29
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	23078	η UP, DN(C0-180)	0.0,51.1
NOMINAL FLUX(lm)	23078.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,48.9
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



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [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	8423	8390	8384	8388	8419	8354	8337	8357	0- 5	200.9	200.9	0.87,0.87
10	8341	8303	8323	8302	8336	8235	8228	8239	5- 10	595.8	796.7	3.45,3.45
15	8193	8180	8261	8185	8187	8083	8120	8089	10- 15	974.8	1771	7.68,7.68
20	7977	8023	7992	8036	7971	7899	7817	7906	15- 20	1326	3097	13.4,13.4
25	7696	7712	7723	7726	7691	7564	7515	7569	20- 25	1632	4729	20.5,20.5
30	7344	7353	7453	7364	7345	7180	7213	7184	25- 30	1890	6619	28.7,28.7
35	6928	6966	6978	6973	6930	6769	6711	6773	30- 35	2088	8708	37.7,37.7
40	6446	6525	6503	6532	6440	6311	6208	6309	35- 40	2211	10919	47.3,47.3
45	5880	5904	6028	5922	5882	5694	5705	5677	40- 45	2259	13178	57.1,57.1
50	5230	5259	5306	5291	5242	5058	4946	5028	45- 50	2225	15403	66.7,66.7
55	4503	4586	4583	4637	4524	4392	4187	4359	50- 55	2088	17491	75.8,75.8
60	3637	3681	3860	3739	3718	3481	3429	3460	55- 60	1860	19351	83.9,83.9
65	2686	2774	2915	2832	2731	2570	2536	2562	60- 65	1533	20884	90.5,90.5
70	1758	1905	1969	1950	1823	1708	1644	1696	65- 70	1135	22019	95.4,95.4
75	893.1	1079	1024	1127	951.1	927.6	751.4	903.9	70- 75	710.4	22729	98.5,98.5
80	285.5	319.3	0	360.1	292.5	226.6	0	210.0	75- 80	302.7	23032	99.8,99.8
85	49.68	0	0	0	18.57	0	0	0	80- 85	43.87	23076	100,100
90	29.39	0	0	0	14.66	0	0	0	85- 90	2.255	23078	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			

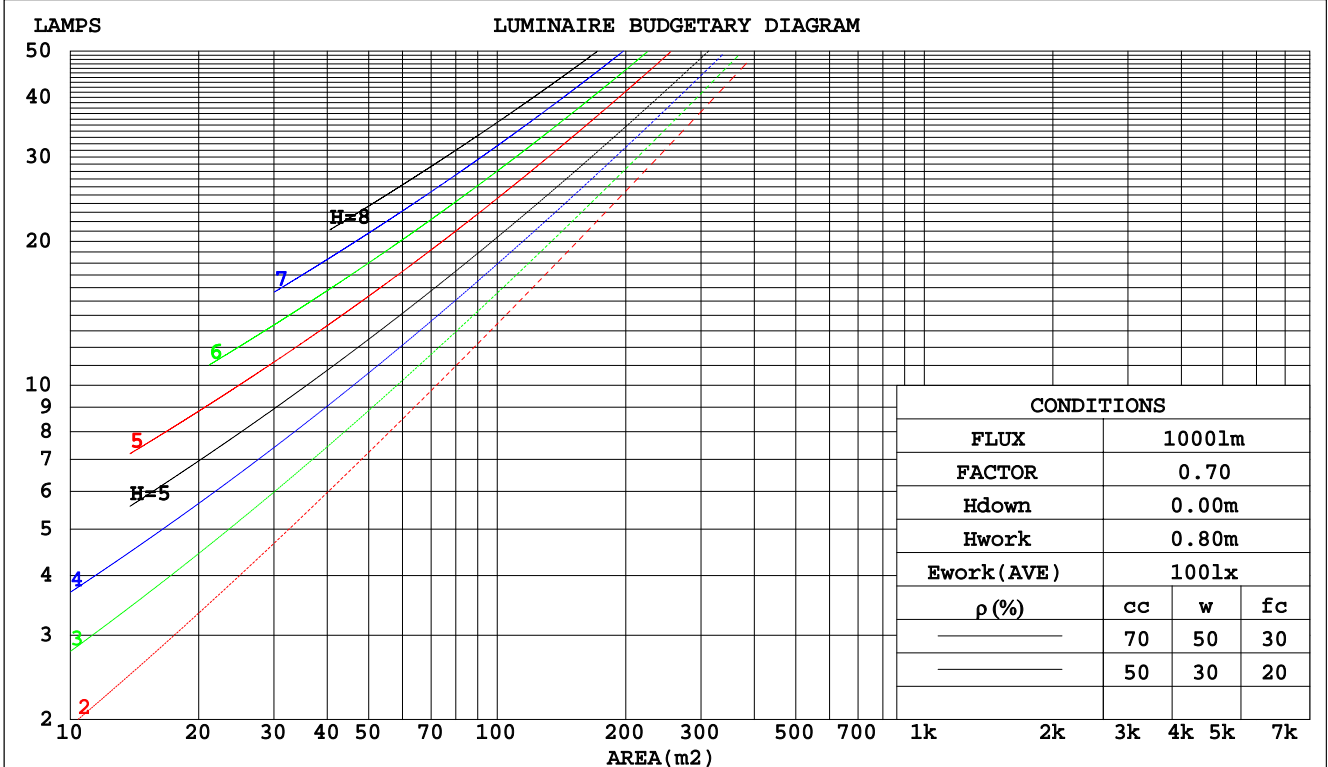
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.06	1.02	.98	1.03	.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.64	.61
4.0	.72	.64	.57	.71	.63	.57	.69	.62	.56	.66	.60	.55	.64	.59	.55	.53
5.0	.65	.56	.49	.64	.55	.49	.61	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	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 Coefficients(WEC)									
0.0																
1.0	.278	.158	.050	.271	.155	.049	.258	.148	.047	.246	.142	.046	.235	.136	.044	
2.0	.271	.149	.046	.265	.146	.045	.253	.141	.044	.243	.136	.043	.233	.132	.042	
3.0	.256	.136	.041	.250	.134	.040	.240	.130	.040	.231	.126	.039	.222	.123	.038	
4.0	.239	.124	.037	.234	.123	.036	.225	.119	.036	.217	.116	.035	.209	.114	.035	
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.031	
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	.185	.093	.027	.179	.092	.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	.169	.082	.023	.163	.081	.023	.159	.079	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.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	.152	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.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	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.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:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm										
NAME: GLM-MXHB150(CH)					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	28.1	29.6	28.4	29.8	30.0	28.3	29.8	28.6	30.0	30.2
3H	29.1	30.5	29.4	30.7	31.0	29.5	30.8	29.8	31.0	31.3
4H	29.4	30.7	29.7	30.9	31.2	29.7	31.0	30.0	31.3	31.5
6H	29.4	30.6	29.7	30.9	31.1	29.7	30.9	30.0	31.2	31.4
8H	29.3	30.5	29.7	30.8	31.1	29.6	30.8	30.0	31.1	31.4
12H	29.3	30.4	29.6	30.7	31.0	29.6	30.7	29.9	31.0	31.3
4H 2H	28.6	29.9	29.0	30.2	30.4	28.8	30.1	29.1	30.3	30.6
3H	29.8	30.9	30.1	31.2	31.5	30.1	31.2	30.4	31.5	31.8
4H	30.1	31.1	30.5	31.4	31.8	30.4	31.4	30.8	31.7	32.1
6H	30.2	31.1	30.5	31.4	31.8	30.4	31.3	30.8	31.7	32.0
8H	30.1	31.0	30.5	31.3	31.7	30.4	31.2	30.8	31.6	31.9
12H	30.1	30.9	30.5	31.2	31.6	30.3	31.1	30.8	31.5	31.9
8H 4H	30.2	31.0	30.6	31.4	31.8	30.5	31.3	30.9	31.7	32.1
6H	30.3	31.0	30.8	31.4	31.8	30.5	31.2	31.0	31.6	32.0
8H	30.3	30.9	30.8	31.3	31.8	30.5	31.1	30.9	31.5	31.9
12H	30.3	30.8	30.8	31.3	31.7	30.4	30.9	30.9	31.4	31.9
12H 4H	30.2	30.9	30.6	31.3	31.7	30.5	31.2	30.9	31.6	32.0
6H	30.3	30.9	30.7	31.3	31.8	30.5	31.1	30.9	31.5	32.0
8H	30.3	30.8	30.8	31.2	31.7	30.4	31.0	30.9	31.4	31.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117 Corrected 23078 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.9)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	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) $k(RI) \times RCR = 5$									
k = 0.60	59	47	40	58	47	40	57	47	40	34
0.80	69	58	51	68	57	51	66	57	50	43
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	86	78	73	65
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	93	88	99	92	87	95	89	85	77
3.00	104	98	93	102	96	91	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	102	107	104	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:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

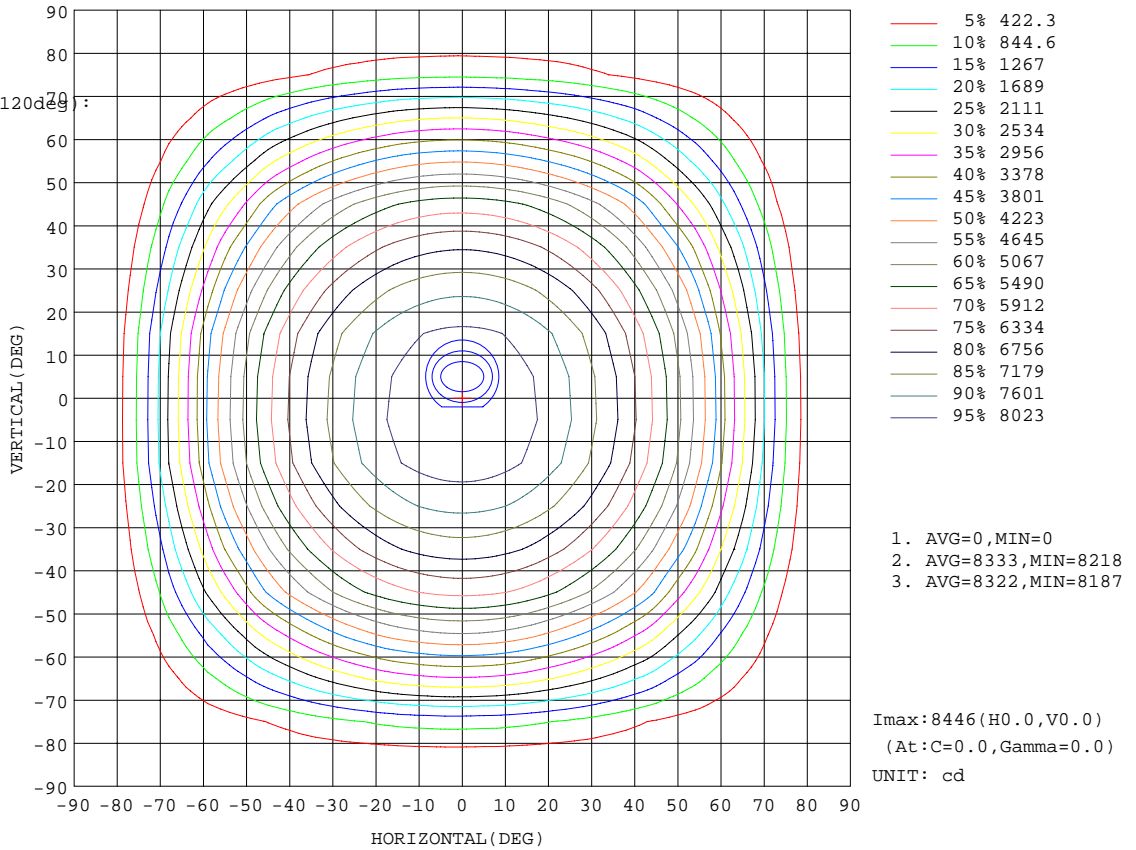
Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

13178 lm
%lum = 57.1%
%lamp = 57.1%

Conical surface Flux(120deg):

19351 lm
%lum = 83.9%
%lamp = 83.9%

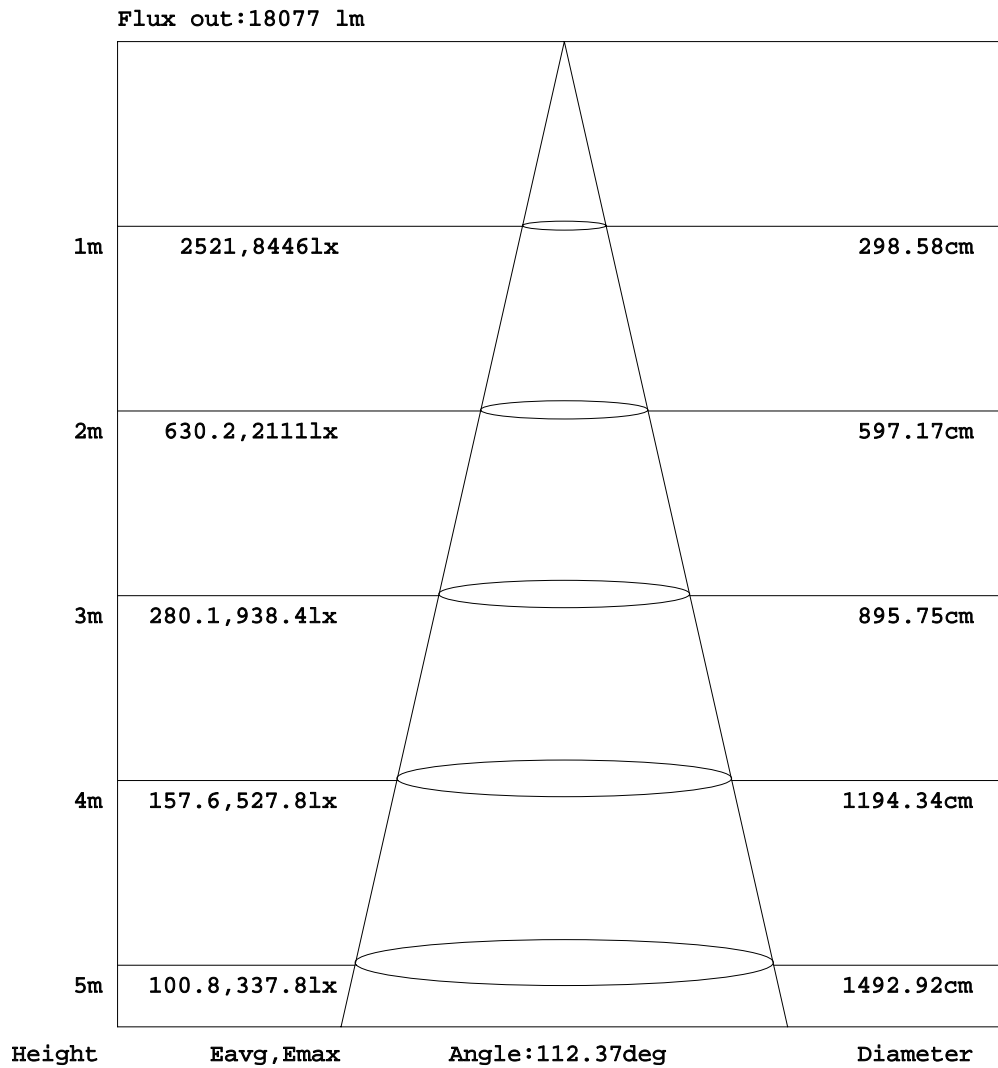


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-05-20

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity: 65.0%
Test Distance: 7.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



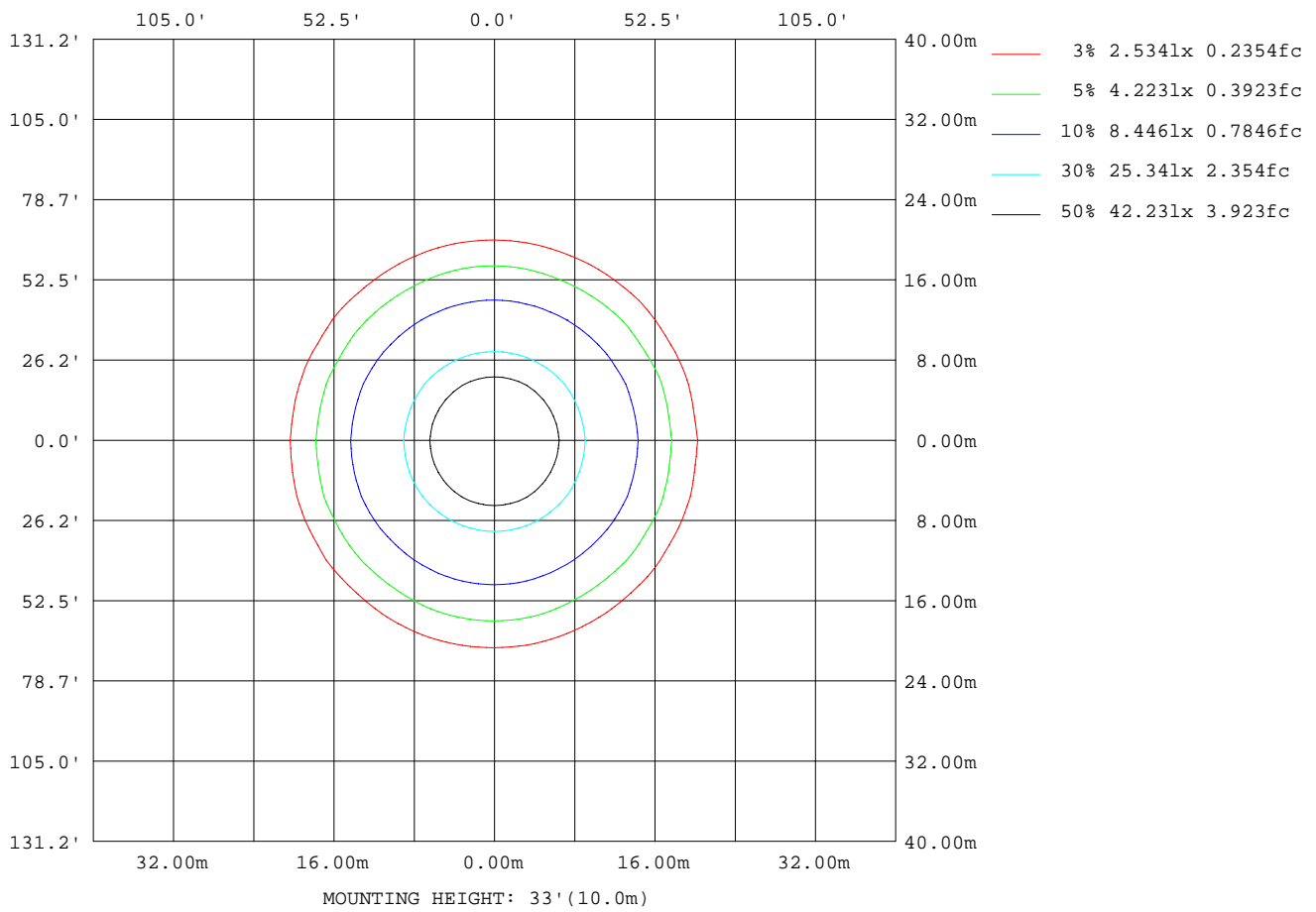
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	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:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

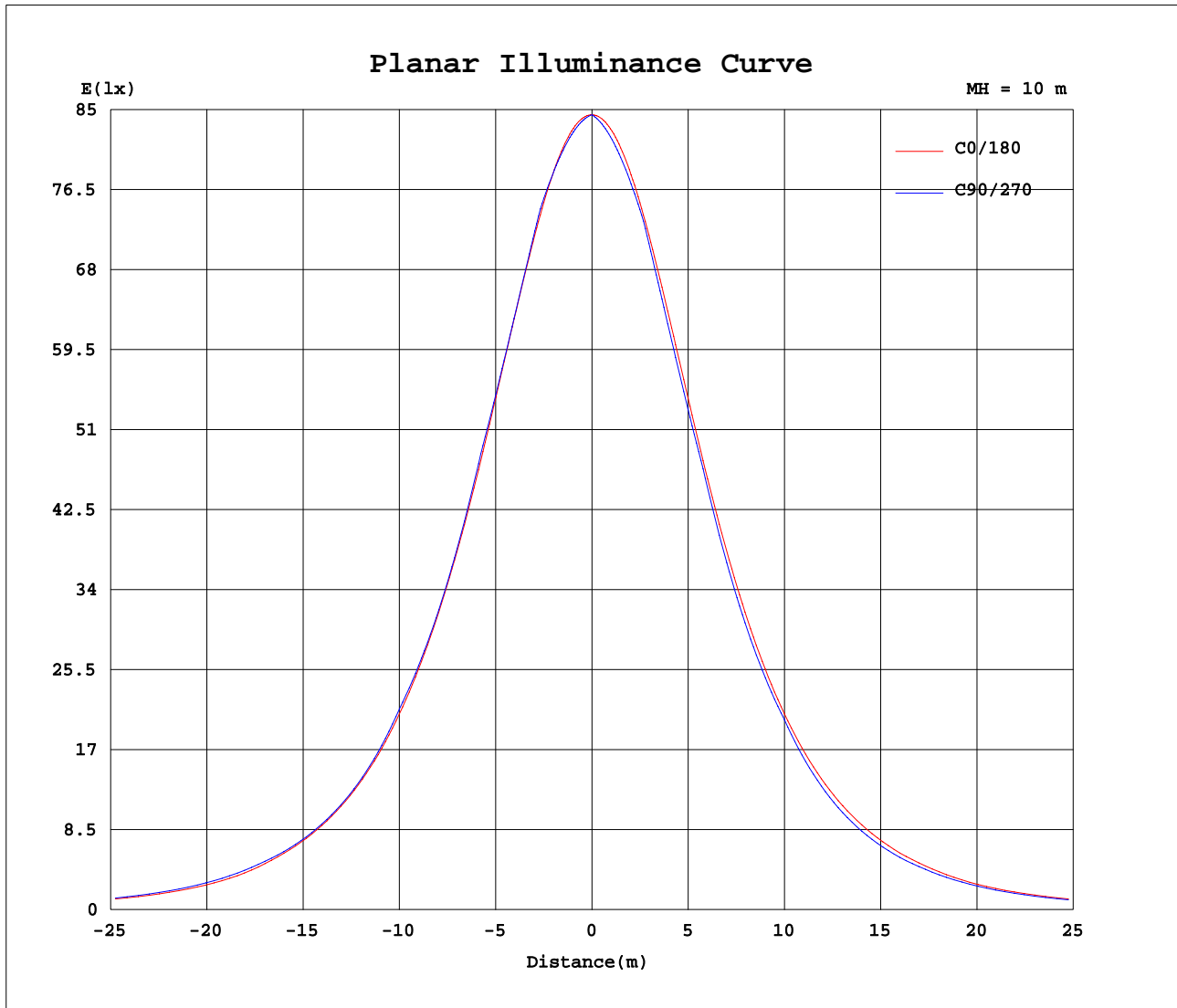
AvgL	cd/m2
L_0~180(65)av	64096
L_0~180(75)av	35626
L_0~180(85)av	3916
L_90~270(65)av	64490
L_90~270(75)av	34290
L_90~270(85)av	0
L_45(65)av	63519
L_45(75)av	38993
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	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	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446
5	8423	8417	8412	8408	8403	8400	8397	8394	8392	8390	8388	8387	8386	8385	8385	8384	8384	8384	8384
10	8341	8329	8320	8313	8307	8303	8301	8300	8301	8303	8305	8308	8311	8314	8316	8319	8321	8322	8323
15	8193	8176	8163	8155	8151	8151	8154	8160	8169	8180	8192	8204	8217	8229	8240	8248	8255	8259	8261
20	7977	7954	7940	7933	7934	7942	7955	7974	7997	8023	8028	8016	8007	8000	7996	7994	7992	7991	7992
25	7696	7668	7653	7651	7661	7681	7709	7747	7726	7712	7706	7704	7705	7708	7711	7715	7719	7721	7723
30	7344	7312	7298	7304	7328	7366	7378	7358	7351	7353	7362	7376	7392	7408	7421	7434	7444	7450	7453
35	6928	6890	6879	6895	6936	6946	6929	6928	6942	6966	6998	7033	7016	7000	6989	6982	6979	6978	6978
40	6446	6401	6395	6424	6456	6431	6435	6458	6502	6525	6496	6483	6480	6483	6488	6493	6498	6502	6503
45	5880	5834	5840	5892	5866	5868	5900	5958	5923	5904	5898	5908	5930	5956	5981	6000	6016	6025	6028
50	5230	5184	5208	5230	5218	5254	5300	5259	5246	5259	5285	5322	5324	5309	5304	5304	5304	5305	5306
55	4503	4456	4503	4488	4515	4550	4508	4526	4550	4586	4540	4514	4503	4512	4531	4553	4570	4579	4583
60	3637	3587	3631	3615	3703	3654	3638	3733	3724	3681	3666	3666	3679	3710	3753	3799	3834	3853	3860
65	2686	2651	2666	2710	2694	2722	2728	2734	2785	2774	2789	2812	2827	2844	2866	2890	2906	2909	2915
70	1758	1731	1763	1790	1775	1808	1816	1815	1855	1905	1913	1922	1931	1933	1941	1954	1964	1961	1969
75	893	901	931	929	959	957	989	1040	1061	1079	1065	1054	1051	1035	1025	1022	1023	1014	1024
80	286	307	321	338	359	404	404	383	338	319	295	257	213	159	108	64.1	29.6	7.51	0.00
85	49.7	79.7	85.9	94.9	73.6	38.3	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	29.4	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:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	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	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	
5	8384	8384	8384	8384	8385	8385	8386	8387	8388	8390	8392	8394	8397	8400	8404	8409	8413	8419	8409	
10	8322	8321	8319	8316	8314	8311	8308	8305	8302	8300	8300	8300	8302	8305	8310	8317	8326	8336	8317	
15	8259	8256	8250	8243	8232	8220	8208	8196	8185	8174	8164	8157	8153	8153	8155	8161	8172	8187	8159	
20	7992	7994	7997	8000	8005	8013	8024	8038	8036	8009	7986	7965	7950	7939	7936	7940	7952	7971	7935	
25	7723	7721	7719	7716	7713	7712	7713	7717	7726	7742	7766	7727	7695	7672	7659	7657	7667	7691	7646	
30	7453	7447	7438	7426	7412	7396	7382	7370	7364	7365	7377	7402	7392	7351	7323	7312	7318	7345	7293	
35	6979	6981	6984	6992	7003	7018	7034	7001	6973	6954	6947	6954	6982	6972	6924	6899	6901	6930	6872	
40	6501	6497	6493	6489	6487	6488	6494	6507	6532	6508	6472	6454	6460	6494	6457	6415	6409	6440	6377	
45	6022	6012	5999	5983	5966	5951	5937	5927	5922	5932	5958	5910	5888	5899	5934	5868	5849	5882	5814	
50	5305	5305	5309	5319	5337	5363	5371	5328	5291	5272	5277	5309	5271	5250	5273	5248	5210	5242	5171	
55	4583	4576	4571	4568	4561	4558	4570	4591	4637	4603	4573	4558	4581	4545	4538	4560	4498	4524	4457	
60	3861	3847	3831	3814	3774	3743	3725	3720	3739	3787	3846	3750	3718	3788	3728	3761	3700	3718	3656	
65	2920	2919	2925	2929	2906	2893	2875	2847	2832	2850	2861	2840	2826	2796	2791	2760	2737	2731	2695	
70	1976	1977	1988	1992	1982	1983	1980	1968	1950	1927	1901	1893	1907	1898	1865	1842	1872	1823	1813	
75	1031	1036	1052	1062	1072	1090	1108	1118	1127	1130	1102	1065	1034	1041	1027	993	987	951	942	
80	7.64	30.0	66.2	113	166	223	280	324	360	383	421	448	438	392	373	355	325	292	279	
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	0.00	41.4	73.3	93.4	78.9	61.5	18.6	10.7
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	0.00	0.00	14.7	0.00	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446
5	8400	8392	8384	8377	8370	8364	8359	8354	8350	8347	8344	8342	8340	8338	8338	8337	8337	8337	8338
10	8300	8285	8272	8261	8252	8244	8239	8235	8231	8229	8228	8228	8228	8228	8228	8228	8228	8228	8228
15	8136	8117	8103	8092	8085	8081	8081	8083	8086	8090	8096	8102	8108	8113	8116	8118	8120	8119	8117
20	7906	7885	7873	7868	7868	7875	7885	7899	7892	7871	7854	7840	7831	7824	7820	7818	7817	7818	7821
25	7615	7596	7589	7592	7605	7627	7591	7564	7546	7532	7523	7517	7514	7514	7514	7515	7515	7516	7515
30	7262	7249	7251	7270	7260	7221	7194	7180	7174	7175	7179	7185	7192	7199	7206	7211	7213	7212	7207
35	6841	6837	6857	6845	6800	6775	6765	6769	6782	6801	6776	6753	6735	6723	6716	6712	6711	6711	6713
40	6352	6363	6371	6318	6294	6291	6307	6311	6269	6243	6227	6219	6214	6212	6210	6210	6208	6206	6204
45	5799	5832	5775	5744	5747	5774	5726	5694	5676	5667	5668	5677	5690	5698	5704	5707	5705	5700	5693
50	5170	5162	5117	5119	5135	5083	5059	5058	5069	5084	5058	5018	4994	4976	4961	4951	4946	4942	4945
55	4479	4425	4407	4413	4362	4359	4372	4392	4325	4273	4234	4212	4204	4200	4194	4190	4187	4179	4172
60	3673	3596	3633	3537	3521	3597	3543	3481	3442	3417	3403	3401	3410	3423	3427	3428	3429	3415	3397
65	2682	2667	2646	2645	2618	2601	2606	2570	2556	2556	2558	2553	2553	2553	2544	2538	2536	2526	2519
70	1751	1742	1740	1747	1693	1664	1681	1708	1708	1705	1694	1680	1672	1667	1653	1645	1644	1636	1634
75	914	913	903	882	889	909	925	928	897	873	845	815	798	785	763	754	751	746	752
80	279	284	288	326	324	287	237	227	213	189	155	117	80.7	48.1	21.9	5.57	0.00	5.51	21.5
85	15.5	25.6	9.06	13.6	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

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.7036A P:150.3W PF:0.9710 Lamp Flux:23078.1x1 lm		
NAME: GLM-MXHB150(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446	8446				
5	8339	8341	8343	8345	8349	8353	8357	8362	8368	8374	8380	8388	8396	8404	8413				
10	8229	8229	8230	8232	8233	8236	8239	8244	8250	8257	8266	8277	8290	8305	8322				
15	8114	8111	8106	8101	8096	8092	8089	8087	8088	8091	8098	8108	8123	8142	8165				
20	7827	7835	7845	7859	7877	7899	7906	7892	7881	7873	7873	7878	7891	7911	7940				
25	7516	7518	7521	7527	7537	7551	7569	7596	7630	7608	7595	7592	7600	7618	7650				
30	7201	7194	7186	7181	7178	7179	7184	7198	7222	7257	7266	7247	7245	7258	7292				
35	6721	6731	6750	6776	6806	6788	6773	6766	6772	6794	6835	6845	6826	6832	6866				
40	6203	6203	6209	6220	6239	6267	6309	6303	6283	6281	6300	6349	6343	6340	6374				
45	5682	5670	5659	5651	5648	5656	5677	5712	5761	5728	5720	5747	5799	5777	5802				
50	4951	4966	4990	5028	5047	5033	5028	5036	5060	5113	5100	5095	5134	5142	5151				
55	4165	4162	4172	4198	4236	4287	4359	4339	4314	4318	4402	4397	4397	4443	4427				
60	3378	3356	3354	3369	3389	3416	3460	3500	3497	3455	3505	3582	3534	3559	3544				
65	2512	2505	2514	2529	2539	2539	2562	2554	2540	2550	2572	2576	2616	2599	2617				
70	1635	1641	1657	1671	1685	1698	1696	1657	1648	1656	1669	1660	1687	1693	1701				
75	761	782	805	822	851	886	904	912	898	859	842	847	842	864	864				
80	46.5	79.1	115	148	178	202	210	222	276	306	305	269	262	250	265				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.6	5.21	24.1	19.1	24.9				
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				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-20

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks: