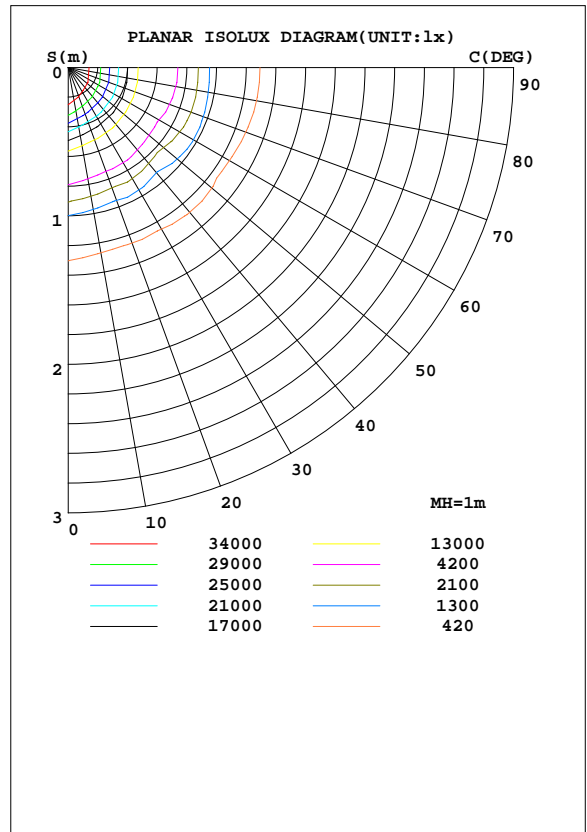
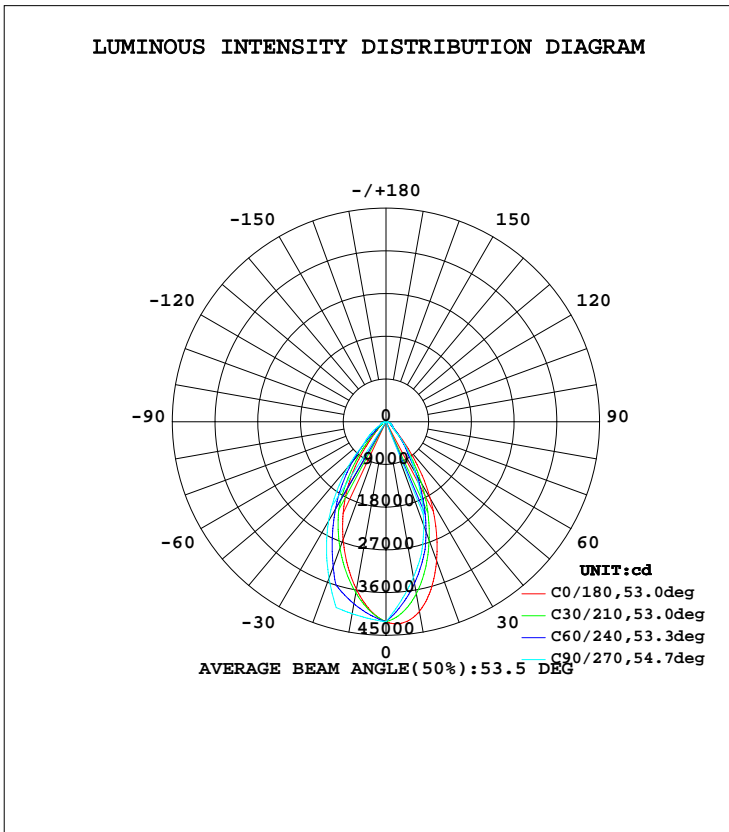


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.27 lm/W			
MODEL		I _{max} (cd)	42629	S/MH(C0/180)	0.76
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.97
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	37742	η UP, DN(C0-180)	0.0,41.9
NOMINAL FLUX(lm)	37741.7	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,58.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	0.85



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-20

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	4250	3940	3771	3765	3973	4026	4161	4220	0- 5	976.2	976.2	2.59,2.59
10	4057	3554	3328	3281	3588	3766	4107	4106	5- 10	2752	3729	9.88,9.88
15	3660	3086	2885	2799	3130	3456	4054	3876	10- 15	4177	7905	20.9,20.9
20	3118	2577	2328	2336	2642	3115	3510	3552	15- 20	5111	13016	34.5,34.5
25	2502	1974	1771	1800	2140	2541	2967	2910	20- 25	5393	18410	48.8,48.8
30	1865	1377	1214	1265	1628	1965	2423	2239	25- 30	5085	23495	62.3,62.3
35	1240	840.5	890.1	775.5	1089	1429	1836	1615	30- 35	4297	27792	73.6,73.6
40	685.2	434.0	565.7	394.9	588.0	938.8	1248	1058	35- 40	3221	31013	82.2,82.2
45	362.0	294.6	241.4	266.3	315.3	556.9	661.0	637.8	40- 45	2104	33117	87.7,87.7
50	222.6	203.3	201.1	186.2	196.7	299.9	486.2	345.3	45- 50	1280	34397	91.1,91.1
55	160.2	145.8	160.8	137.2	140.0	153.7	311.4	171.9	50- 55	901.9	35299	93.5,93.5
60	131.5	124.7	120.4	117.6	111.6	122.8	136.6	135.2	55- 60	684.7	35983	95.3,95.3
65	115.8	106.4	100.2	100.3	97.01	100.4	117.4	108.3	60- 65	545.6	36529	96.8,96.8
70	97.81	87.38	79.99	82.87	83.08	84.22	98.15	89.42	65- 70	475.4	37005	98,98
75	69.48	64.60	59.78	63.85	60.59	71.50	78.94	74.80	70- 75	396.9	37402	99.1,99.1
80	47.91	36.17	0	38.35	39.62	48.72	0	49.61	75- 80	258.3	37660	99.8,99.8
85	23.30	0	0	0	16.07	0	0	0	80- 85	73.59	37733	100,100
90	10.32	0	0	0	5.512	0	0	0	85- 90	8.318	37742	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:×10cd								UNIT:lm			

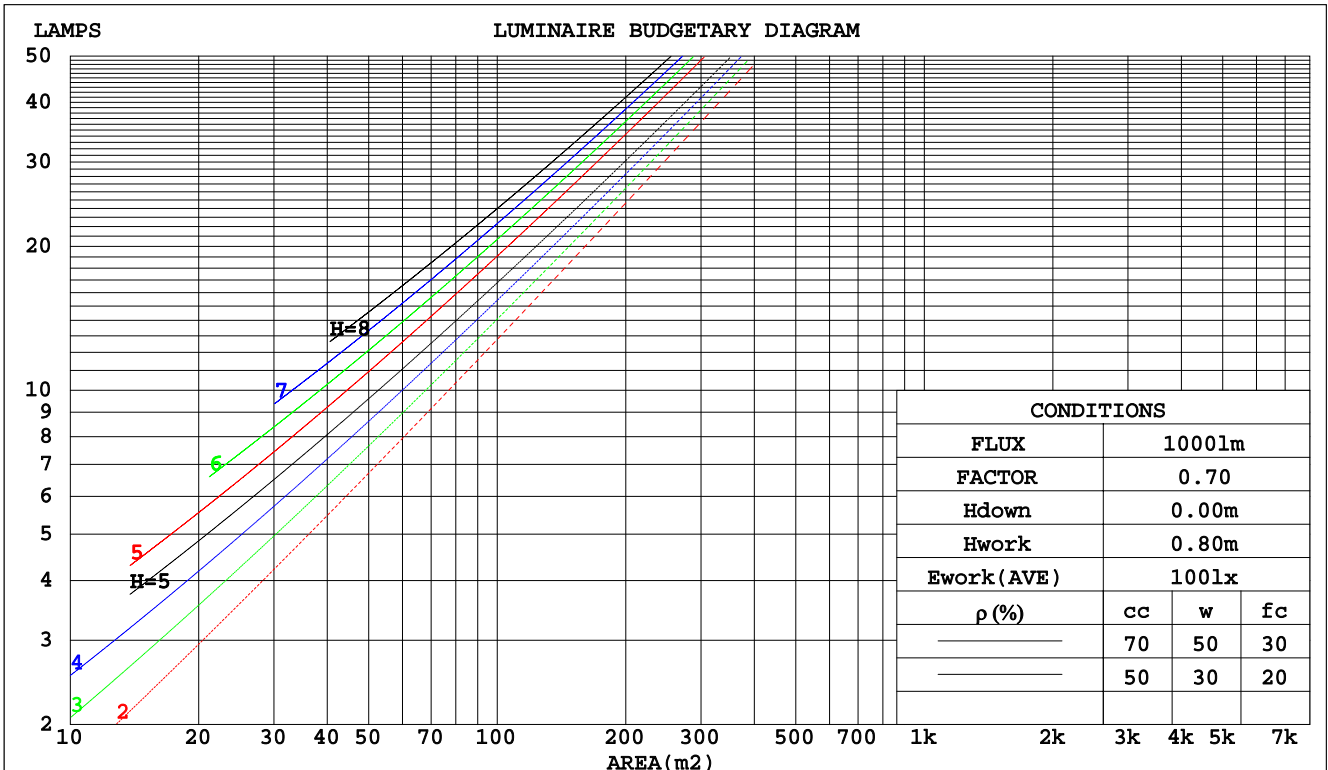
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(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																
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	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.95	.93	.92
2.0	1.01	.96	.92	.99	.95	.91	.96	.92	.89	.93	.90	.87	.90	.87	.85	.84
3.0	.93	.87	.83	.91	.86	.82	.89	.84	.81	.86	.83	.79	.84	.81	.78	.77
4.0	.86	.80	.75	.85	.79	.75	.83	.78	.74	.80	.76	.73	.79	.75	.72	.70
5.0	.80	.73	.69	.79	.73	.68	.77	.72	.68	.75	.71	.67	.74	.70	.67	.65
6.0	.75	.68	.63	.74	.68	.63	.72	.67	.63	.71	.66	.62	.69	.65	.62	.60
7.0	.70	.63	.59	.69	.63	.58	.68	.62	.58	.66	.62	.58	.65	.61	.57	.56
8.0	.65	.59	.55	.65	.59	.54	.64	.58	.54	.63	.58	.54	.62	.57	.54	.52
9.0	.62	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.50	.49
10.0	.58	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.47	.55	.51	.47	.46



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(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	.203	.115	.037	.196	.112	.036	.184	.105	.034	.172	.099	.032	.161	.093	.030	
2.0	.194	.107	.033	.189	.104	.032	.178	.099	.031	.168	.094	.029	.159	.090	.028	
3.0	.184	.098	.029	.179	.096	.029	.170	.092	.028	.161	.088	.027	.153	.085	.026	
4.0	.174	.090	.027	.169	.089	.026	.161	.086	.026	.154	.083	.025	.147	.080	.024	
5.0	.164	.084	.024	.160	.082	.024	.153	.080	.023	.147	.077	.023	.141	.075	.023	
6.0	.155	.078	.022	.152	.077	.022	.146	.075	.022	.140	.073	.021	.135	.071	.021	
7.0	.148	.073	.021	.145	.072	.021	.139	.070	.020	.134	.069	.020	.129	.067	.020	
8.0	.140	.069	.019	.138	.068	.019	.133	.066	.019	.128	.065	.019	.124	.063	.018	
9.0	.134	.065	.018	.131	.064	.018	.127	.063	.018	.123	.061	.018	.119	.060	.017	
10.0	.128	.061	.017	.125	.061	.017	.121	.059	.017	.118	.058	.017	.114	.057	.016	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.148	.114	.086	.127	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.070	.119	.086	.060	.082	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.130	.088	.057	.112	.076	.050	.077	.053	.035	.045	.031	.021	.014	.010	.007	
6.0	.123	.079	.048	.105	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.116	.071	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.110	.065	.034	.095	.057	.030	.066	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.105	.060	.030	.090	.052	.026	.063	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.086	.048	.023	.060	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm										
NAME: GLM-MXHB240(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	21.0	22.1	21.3	22.3	22.4	20.6	21.6	20.8	21.8	22.0
3H	22.0	22.9	22.2	23.1	23.3	21.4	22.4	21.7	22.6	22.8
4H	22.4	23.3	22.7	23.5	23.8	21.8	22.8	22.1	23.0	23.2
6H	22.7	23.6	23.0	23.8	24.1	21.9	22.7	22.2	23.0	23.2
8H	22.8	23.7	23.1	23.9	24.2	21.8	22.7	22.1	22.9	23.2
12H	22.9	23.7	23.2	24.0	24.3	21.8	22.6	22.1	22.8	23.1
4H 2H	21.2	22.2	21.5	22.4	22.6	20.8	21.8	21.1	22.0	22.2
3H	22.4	23.2	22.7	23.5	23.8	21.9	22.7	22.2	23.0	23.3
4H	23.0	23.7	23.4	24.1	24.4	22.5	23.2	22.8	23.5	23.8
6H	23.4	24.1	23.8	24.4	24.8	22.5	23.2	22.9	23.5	23.9
8H	23.6	24.2	24.0	24.6	24.9	22.5	23.1	22.9	23.5	23.8
12H	23.7	24.3	24.1	24.7	25.0	22.5	23.0	22.9	23.4	23.8
8H 4H	23.2	23.8	23.6	24.2	24.5	22.7	23.3	23.1	23.7	24.1
6H	23.8	24.3	24.2	24.7	25.1	22.8	23.3	23.3	23.7	24.1
8H	24.0	24.5	24.5	24.9	25.3	22.8	23.2	23.2	23.6	24.1
12H	24.2	24.6	24.7	25.0	25.5	22.7	23.1	23.2	23.6	24.0
12H 4H	23.2	23.7	23.6	24.1	24.5	22.8	23.3	23.2	23.7	24.1
6H	23.8	24.2	24.2	24.6	25.1	22.9	23.3	23.3	23.7	24.2
8H	24.0	24.4	24.5	24.8	25.3	22.8	23.2	23.3	23.6	24.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 0.8					+ 0.9 / - 1.0				
1.5H	+ 2.6 / - 0.8					+ 2.0 / - 0.8				
2.0H	+ 1.5 / - 0.5					+ 0.4 / - 0.6				

CIE Pub.117 Corrected 37742 lm Total Lamp Luminous Flux. (8log(F/F0) = 12.6)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(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	80	73	68	80	73	68	79	72	68	64
0.80	89	81	77	88	81	77	87	80	76	72
1.00	94	87	83	93	87	83	91	87	82	77
1.25	99	93	88	98	92	88	96	91	87	82
1.50	102	96	92	101	95	92	98	94	91	85
2.00	106	101	97	104	100	96	101	98	95	89
2.50	108	103	100	106	102	99	103	100	97	90
3.00	110	106	102	108	104	101	104	102	99	92
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	109	111	109	107	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-20

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

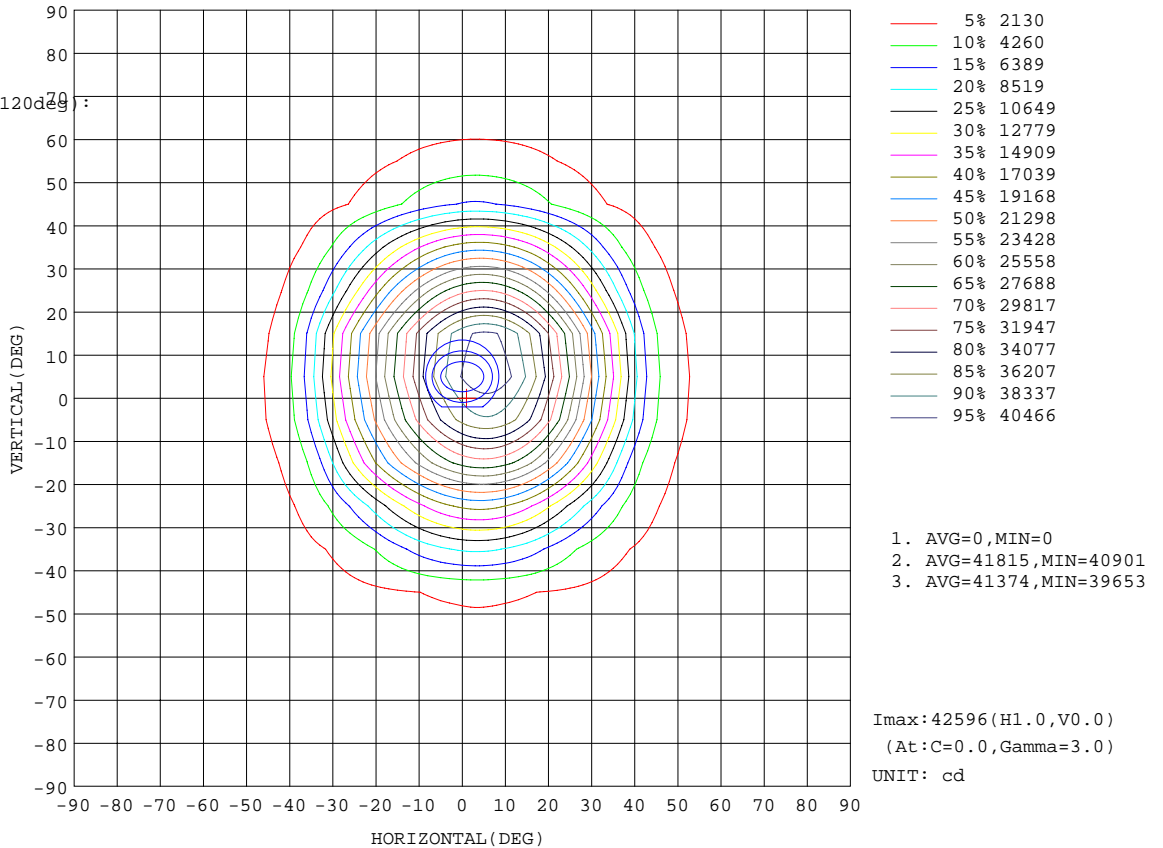
Test:U:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

33117 lm
 %lum = 87.7%
 %lamp = 87.7%

Conical surface Flux(120deg):

35984 lm
 %lum = 95.3%
 %lamp = 95.3%

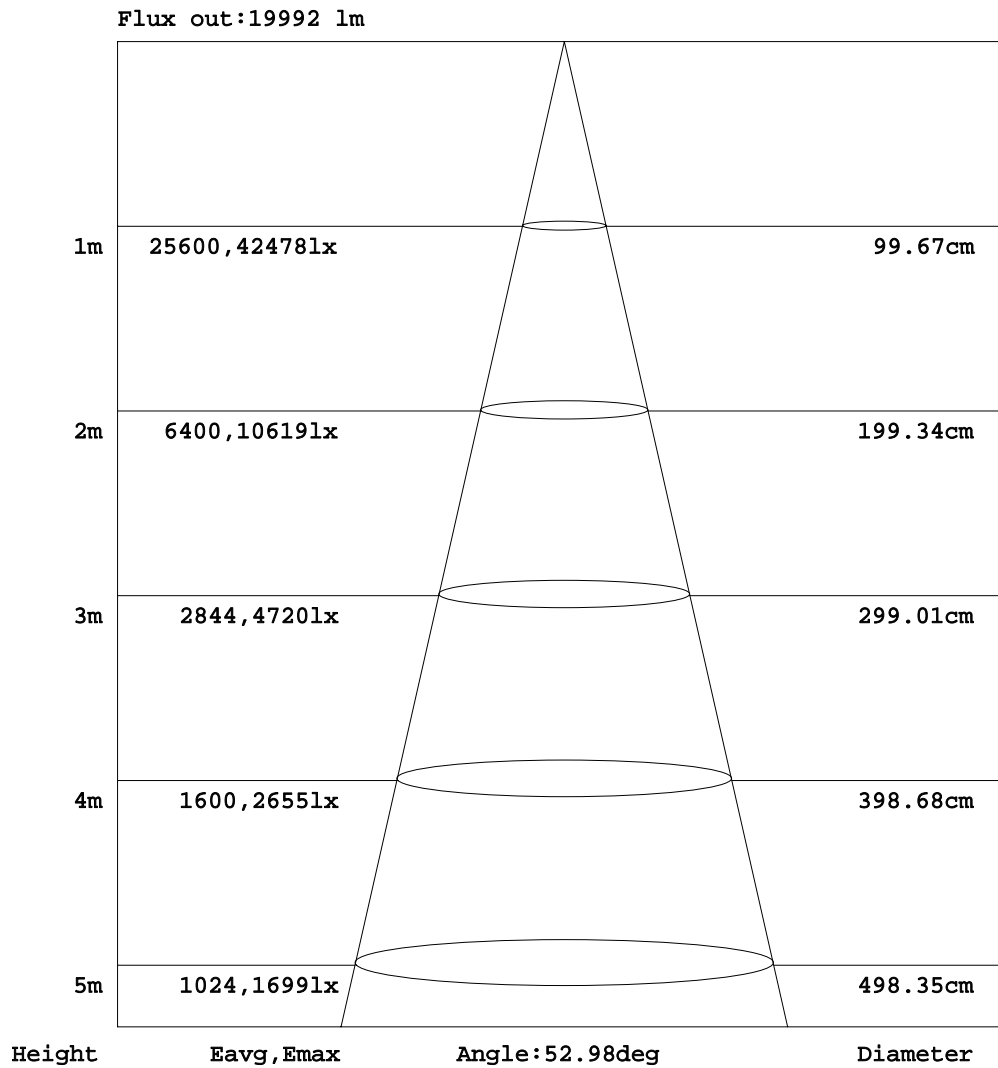


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



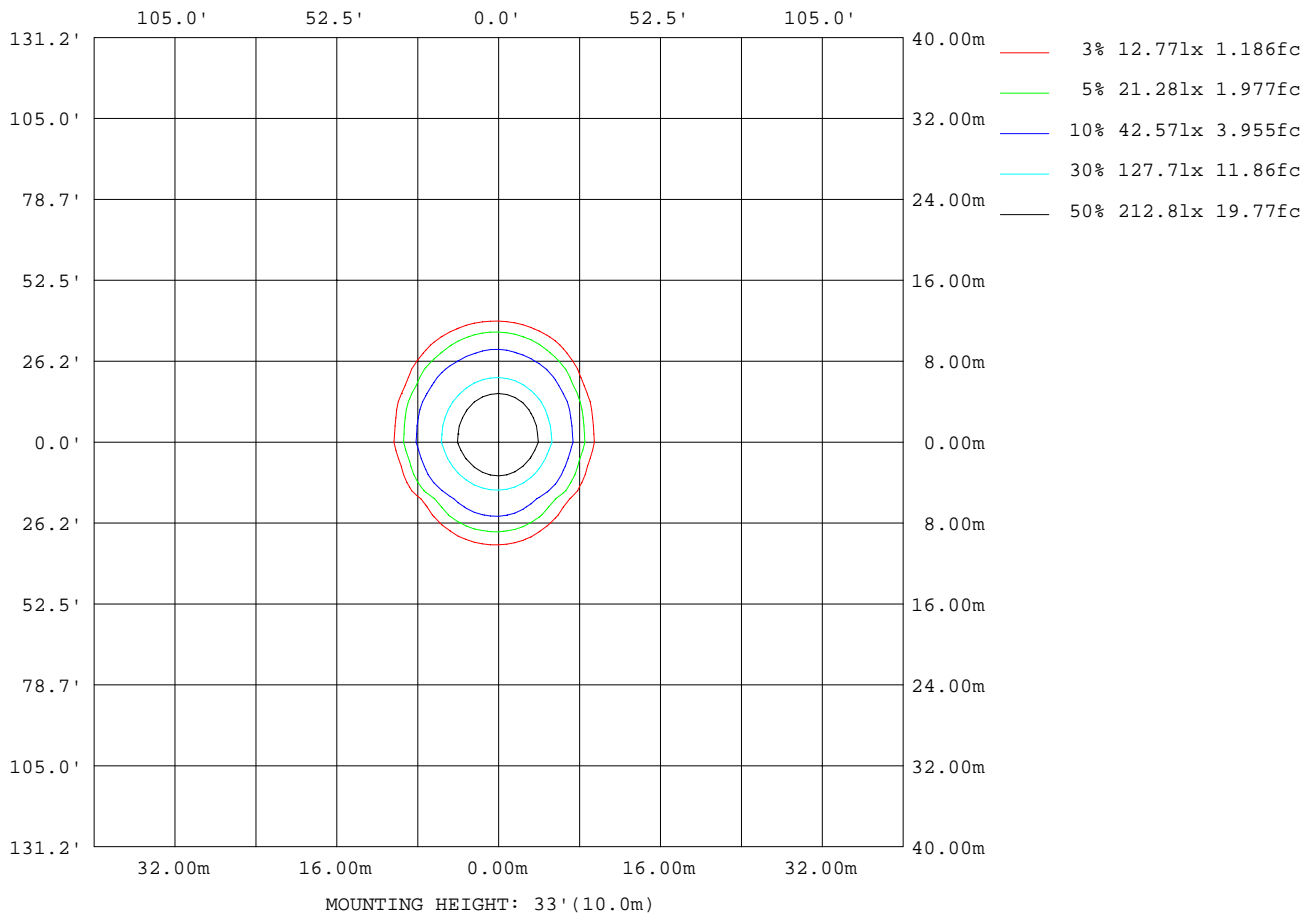
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(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:2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

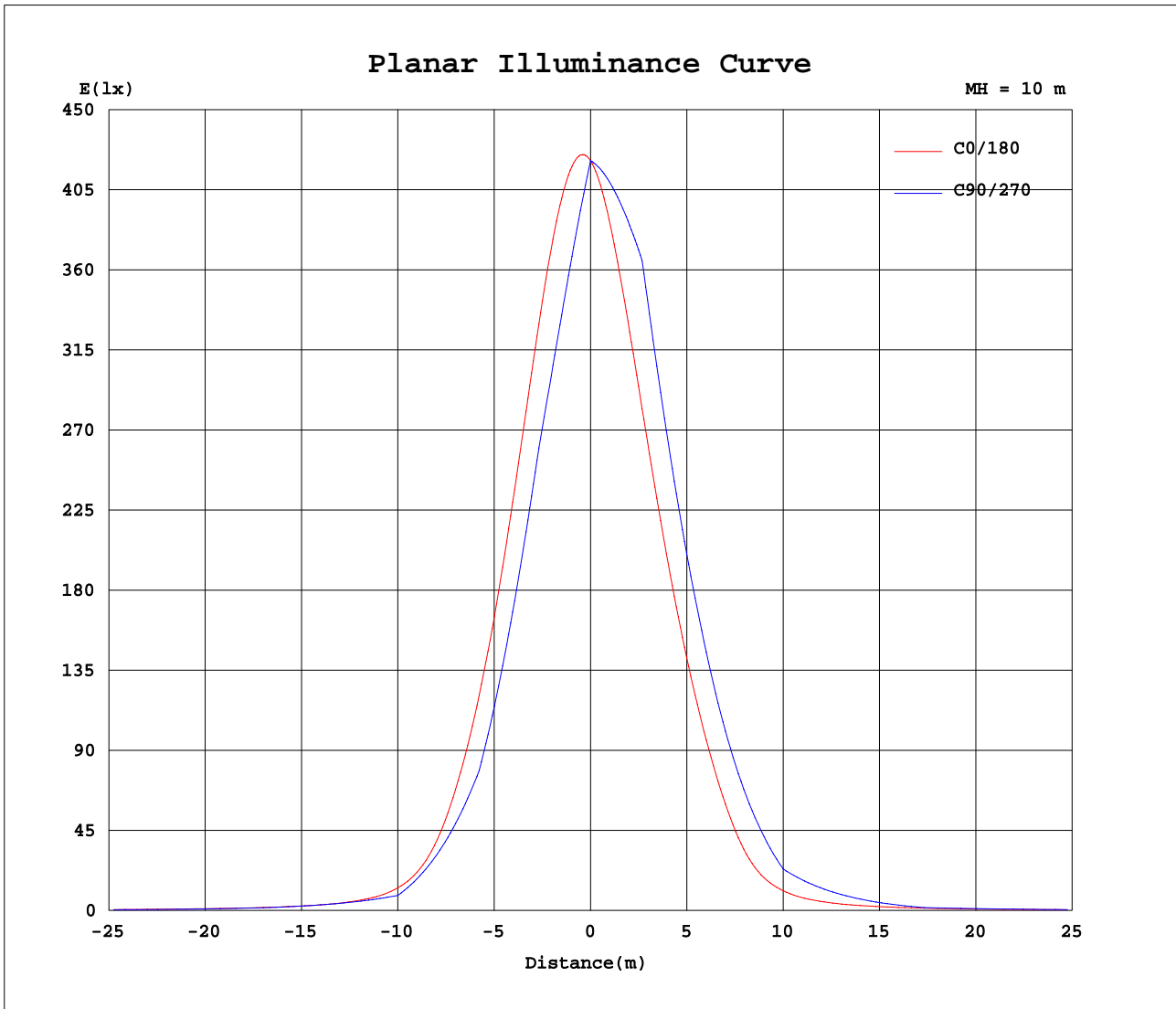
AvgL	cd/m2
L_0~180(65)av	20980
L_0~180(75)av	20940
L_0~180(85)av	18824
L_90~270(65)av	21451
L_90~270(75)av	22333
L_90~270(85)av	0
L_45(65)av	20478
L_45(75)av	22116
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-20

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: 2019-03-20

γ Range: 0 - 90DEG
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 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214
5	4250	4210	4171	4133	4097	4062	4029	3998	3968	3940	3914	3890	3867	3846	3827	3810	3795	3782	3771
10	4057	3982	3911	3846	3786	3731	3680	3634	3592	3554	3519	3487	3458	3431	3406	3383	3363	3345	3328
15	3660	3558	3468	3388	3319	3258	3207	3161	3121	3086	3056	3028	3003	2981	2960	2939	2920	2902	2885
20	3118	3002	2903	2822	2755	2701	2658	2624	2598	2577	2543	2504	2468	2437	2410	2387	2364	2345	2328
25	2502	2380	2282	2206	2150	2110	2082	2067	2018	1974	1937	1905	1877	1853	1832	1814	1799	1784	1771
30	1865	1746	1656	1591	1548	1525	1498	1456	1416	1377	1343	1313	1288	1267	1251	1238	1229	1221	1214
35	1240	1133	1056	1006	979	966	951	924	886	841	795	753	789	828	857	876	888	892	890
40	685	619	574	542	527	536	536	517	471	434	469	504	533	555	567	571	571	569	566
45	362	331	309	293	295	298	294	265	278	295	310	321	325	318	302	281	260	247	241
50	223	207	196	191	192	191	187	193	199	203	201	189	182	186	191	195	198	200	201
55	160	151	146	144	144	144	147	150	150	146	148	150	152	154	157	159	160	161	161
60	131	125	121	120	119	119	121	121	123	125	125	125	124	124	124	124	123	121	120
65	116	110	107	106	104	102	101	103	105	106	105	102	100	99.2	99.3	100	100	100	100
70	97.8	91.8	89.8	89.1	88.7	85.8	84.2	85.1	87.8	87.4	84.6	81.7	79.4	78.3	78.1	78.4	79.1	79.7	80.0
75	69.5	61.0	59.2	62.5	65.2	65.7	65.4	64.1	64.0	64.6	63.5	61.0	58.8	57.4	57.0	57.0	57.9	59.2	59.8
80	47.9	36.3	32.5	35.3	38.8	40.6	40.8	41.2	41.4	36.2	28.9	21.6	15.3	10.4	6.69	3.78	1.72	0.44	0.00
85	23.3	17.1	17.5	17.5	15.8	7.78	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	10.3	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	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:2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: x10cd

C(DEG)\ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214
5	3761	3754	3748	3745	3745	3746	3750	3756	3765	3776	3791	3808	3828	3852	3878	3907	3939	3973	3970
10	3313	3300	3289	3280	3274	3272	3271	3274	3281	3293	3310	3331	3359	3392	3431	3477	3529	3588	3584
15	2868	2853	2839	2827	2815	2806	2799	2797	2799	2805	2816	2835	2861	2896	2939	2992	3056	3130	3125
20	2313	2301	2292	2286	2287	2293	2305	2324	2336	2332	2338	2350	2370	2398	2438	2492	2559	2642	2635
25	1759	1749	1741	1736	1736	1740	1751	1770	1800	1836	1882	1878	1884	1902	1935	1985	2053	2140	2133
30	1208	1204	1201	1200	1201	1207	1219	1238	1265	1300	1341	1384	1401	1403	1426	1469	1535	1628	1619
35	882	869	851	828	796	754	712	739	775	816	853	880	896	898	909	942	1001	1089	1082
40	561	558	554	546	531	507	473	434	395	427	471	489	486	475	481	500	534	588	584
45	242	254	272	290	304	307	300	285	266	248	235	260	263	258	256	270	288	315	307
50	197	194	189	183	178	173	178	187	186	180	172	164	167	167	166	171	182	197	190
55	159	157	154	151	148	145	143	140	137	138	135	130	126	125	125	126	132	140	136
60	121	121	121	120	120	121	121	120	118	115	111	108	105	104	104	104	107	112	109
65	99.9	99.1	98.2	97.3	97.9	99.3	101	102	100	97.0	93.6	92.0	91.7	91.8	91.7	91.9	93.8	97.0	95.1
70	79.1	78.1	77.6	77.6	78.5	80.1	82.2	83.5	82.9	80.4	77.9	77.0	78.9	81.9	79.6	78.7	80.3	83.1	81.7
75	58.3	57.1	57.3	58.1	59.2	61.1	64.0	65.3	63.9	61.3	60.5	60.4	61.3	61.5	59.7	54.6	56.9	60.6	58.9
80	0.43	1.70	3.82	6.86	10.9	16.3	23.5	31.4	38.4	43.1	41.7	40.1	39.5	36.4	33.4	30.8	34.2	39.6	32.0
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	8.24	17.1	18.2	17.2	15.4	13.0
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	5.51	0.00

C Range: 0 - 360DEG γ Range: 0 - 90DEG
 C Interval: 5.0DEG γ Interval: 0.5DEG
 Test Speed: HIGH Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Temperature:25.3DEG Humidity:65.0%
 Operators: Test Distance:7.500m [K=1.0000]
 Test Date:2019-03-20 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: x10cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214
5	3970	3971	3976	3982	3990	4001	4013	4026	4042	4057	4073	4089	4104	4119	4134	4147	4161	4171	4182
10	3587	3596	3611	3633	3659	3691	3726	3766	3807	3851	3895	3936	3978	4016	4051	4081	4107	4126	4140
15	3132	3150	3178	3216	3264	3320	3385	3456	3530	3608	3687	3765	3839	3906	3966	4015	4054	4078	4090
20	2645	2670	2710	2766	2835	2917	3011	3115	3182	3215	3254	3297	3343	3390	3433	3474	3510	3539	3562
25	2145	2178	2230	2301	2390	2499	2514	2541	2579	2625	2676	2732	2787	2841	2890	2933	2967	2991	3006
30	1637	1680	1747	1838	1893	1903	1926	1965	2014	2070	2131	2193	2254	2309	2358	2395	2423	2439	2444
35	1107	1165	1252	1305	1316	1341	1375	1429	1489	1554	1608	1658	1702	1744	1781	1813	1836	1849	1852
40	609	667	738	766	795	828	873	939	1005	1057	1097	1130	1159	1186	1210	1232	1248	1257	1260
45	312	338	360	385	409	423	491	557	607	631	642	644	645	647	649	655	661	665	672
50	190	195	199	205	212	240	272	300	307	285	295	339	382	421	452	475	486	483	468
55	135	135	135	136	144	153	159	154	169	188	211	235	259	279	294	305	311	310	304
60	108	107	105	107	110	111	116	123	130	138	144	148	149	146	141	137	137	139	145
65	93.3	91.4	90.5	89.9	90.4	93.1	96.9	100	102	101	102	104	106	110	113	116	117	117	116
70	80.1	80.1	80.5	77.1	75.7	77.9	81.1	84.2	85.4	86.1	87.0	88.0	90.2	93.0	95.7	97.3	98.2	98.3	97.4
75	59.7	64.6	64.0	62.7	61.6	63.0	67.2	71.5	72.0	71.6	72.1	72.6	74.5	76.5	78.3	78.8	78.9	79.6	79.2
80	30.1	35.4	40.8	42.8	44.8	47.9	53.4	48.7	37.6	27.5	20.0	13.8	8.99	5.16	2.34	0.59	0.00	0.59	2.37
85	12.2	13.9	15.8	9.14	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:2019-03-20

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:229.2V I:1.126A P:252.8W PF:0.9796 Lamp Flux:37741.7x1 lm		
NAME: GLM-MXHB240(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: x10cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214	4214				
5	4190	4198	4205	4209	4214	4218	4220	4223	4226	4227	4229	4232	4236	4240	4245				
10	4149	4151	4150	4144	4133	4120	4106	4091	4077	4063	4054	4045	4041	4042	4047				
15	4089	4075	4049	4014	3972	3925	3876	3827	3780	3738	3700	3672	3652	3644	3646				
20	3580	3589	3594	3596	3596	3597	3552	3458	3368	3288	3220	3165	3127	3106	3103				
25	3010	3006	2993	2976	2955	2931	2910	2895	2887	2767	2669	2588	2529	2495	2486				
30	2437	2420	2395	2363	2323	2280	2239	2204	2175	2160	2092	1989	1913	1867	1850				
35	1845	1828	1805	1768	1722	1670	1615	1564	1520	1486	1465	1403	1310	1251	1227				
40	1257	1250	1234	1210	1175	1125	1058	995	946	906	872	841	766	705	679				
45	682	693	703	709	704	682	638	573	504	482	454	427	403	369	357				
50	443	409	368	326	319	347	345	320	286	257	248	239	233	224	219				
55	293	276	255	231	208	188	172	182	179	171	164	162	161	161	158				
60	152	157	158	156	150	142	135	129	124	126	126	126	128	130	130				
65	113	111	109	108	106	109	108	106	103	102	105	107	110	113	115				
70	95.6	93.2	91.4	90.8	90.4	90.5	89.4	87.3	85.8	85.8	89.3	93.3	94.0	95.4	97.6				
75	77.9	75.9	74.4	74.6	75.1	76.3	74.8	71.2	68.7	69.2	70.7	70.9	69.2	67.0	69.1				
80	5.25	9.13	14.1	20.6	28.9	39.7	49.6	55.0	51.0	48.1	45.9	42.0	35.2	33.7	43.3				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.93	14.3	13.6	13.6	16.9			
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:2019-03-20

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: