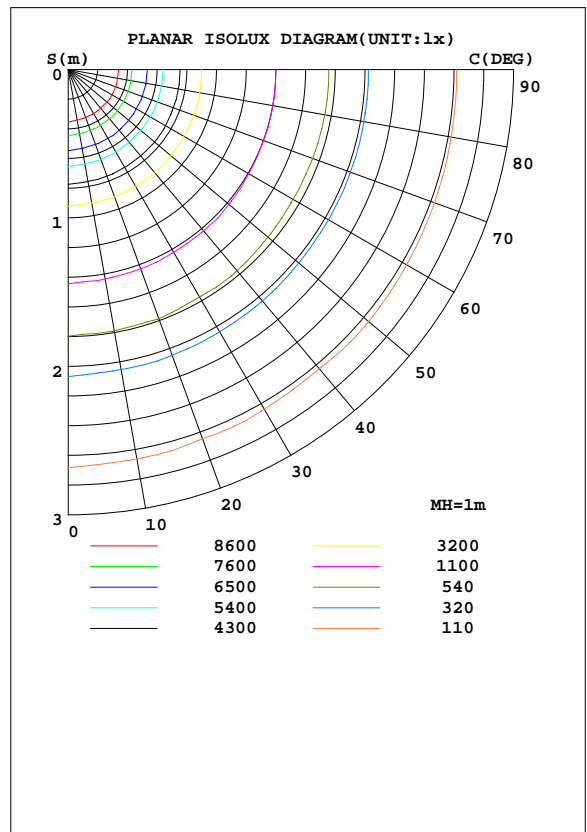
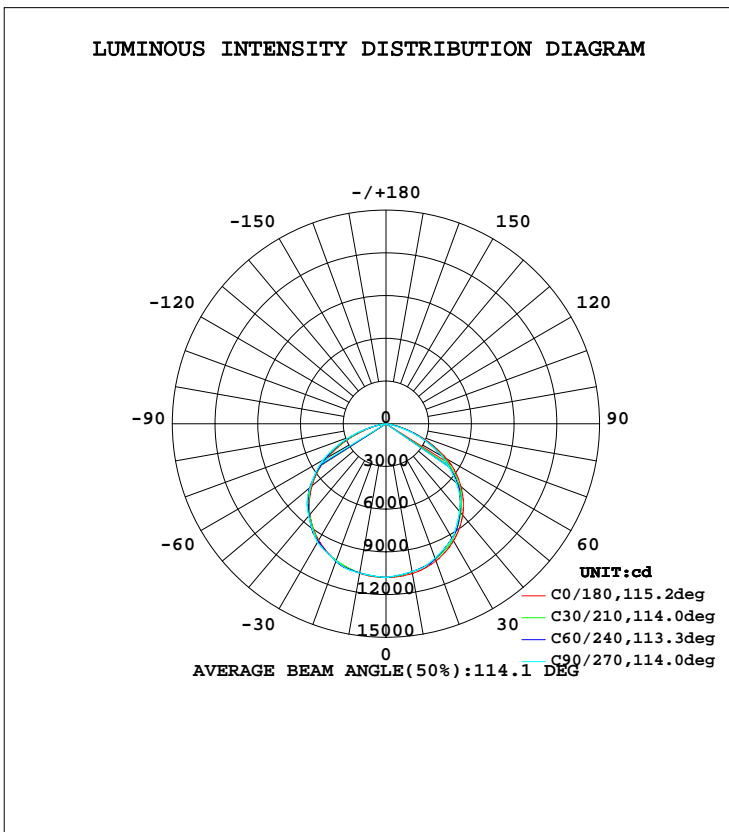


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.31 lm/W			
MODEL		I _{max} (cd)	10792	S/MH(C0/180)	1.30
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	30055	η UP, DN(C0-180)	0.0,48.9
NOMINAL FLUX(lm)	30054.7	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,51.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	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:2019-03-18

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	1077	1069	1067	1069	1077	1073	1072	1073	0- 5	256.9	256.9	0.85,0.85
10	1068	1055	1054	1055	1067	1063	1065	1063	5- 10	762.5	1019	3.39,3.39
15	1051	1037	1042	1037	1049	1048	1057	1048	10- 15	1249	2268	7.55,7.55
20	1025	1015	1005	1015	1023	1030	1026	1030	15- 20	1701	3969	13.2,13.2
25	991.1	974.2	968.0	973.9	988.5	992.6	993.9	992.6	20- 25	2098	6068	20.2,20.2
30	948.8	927.2	931.0	926.1	945.2	948.3	962.2	949.0	25- 30	2435	8503	28.3,28.3
35	897.7	876.7	867.4	874.5	893.3	900.3	903.6	902.0	30- 35	2697	11200	37.3,37.3
40	837.4	819.7	803.8	816.3	831.8	845.5	845.1	848.2	35- 40	2863	14063	46.8,46.8
45	767.8	740.7	740.2	736.9	760.4	769.1	786.5	772.0	40- 45	2935	16998	56.6,56.6
50	687.4	659.1	644.0	655.2	678.4	690.3	695.3	693.1	45- 50	2901	19899	66.2,66.2
55	596.9	573.6	547.9	569.7	586.0	607.8	604.1	610.5	50- 55	2734	22633	75.3,75.3
60	492.7	458.7	451.8	452.0	474.6	491.1	512.9	495.7	55- 60	2447	25080	83.4,83.4
65	366.2	343.7	335.7	333.5	349.7	373.5	389.9	380.6	60- 65	2027	27107	90.2,90.2
70	244.9	231.9	219.6	220.0	225.3	257.4	266.8	265.4	65- 70	1512	28618	95.2,95.2
75	130.6	129.1	103.6	120.6	113.5	144.8	143.7	152.6	70- 75	956.5	29575	98.4,98.4
80	44.92	36.67	0	32.26	32.62	42.12	0	47.20	75- 80	414.7	29990	99.8,99.8
85	8.700	0	0	0	1.394	0	0	0	80- 85	61.57	30051	100,100
90	5.329	0	0	0	2.859	0	0	0	85- 90	3.352	30055	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			

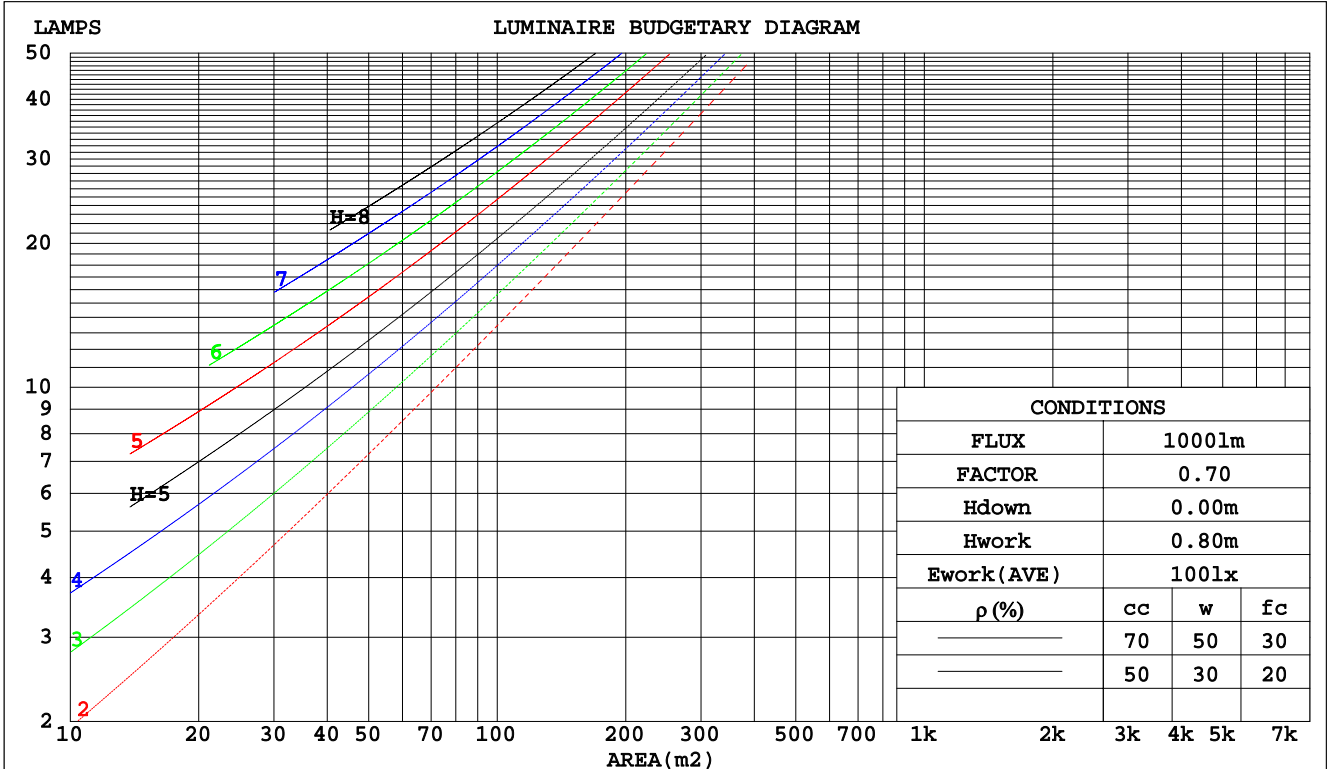
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(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	1.00
1.0	1.05	1.02	.98	1.03	.00	.96	.99	.96	.93	.95	.93	.91	.92	.90	.88	.86
2.0	.92	.86	.81	.91	.85	.80	.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	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.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:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(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	.280	.159	.050	.273	.156	.049	.260	.149	.048	.248	.143	.046	.237	.137	.044	
2.0	.273	.150	.046	.267	.147	.045	.255	.142	.044	.244	.137	.043	.235	.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	.218	.117	.035	.210	.114	.035	
5.0	.224	.114	.033	.220	.113	.033	.212	.110	.032	.204	.108	.032	.197	.105	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.101	.029	.191	.099	.029	.185	.097	.029	
7.0	.195	.096	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.174	.090	.027	
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.164	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.074	.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	.118	.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	.036	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.127	.078	.042	.087	.055	.030	.051	.032	.018	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.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	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm										
NAME: GLM-MXHB200(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	29.0	30.5	29.3	30.7	30.9	28.7	30.2	29.0	30.4	30.6
3H	30.1	31.5	30.4	31.7	31.9	29.7	31.1	30.0	31.3	31.6
4H	30.4	31.7	30.7	31.9	32.2	29.9	31.2	30.3	31.5	31.7
6H	30.4	31.6	30.7	31.9	32.2	29.9	31.1	30.2	31.4	31.7
8H	30.4	31.5	30.7	31.8	32.1	29.8	31.0	30.2	31.3	31.6
12H	30.3	31.5	30.7	31.7	32.0	29.8	30.9	30.1	31.2	31.5
4H 2H	29.5	30.8	29.8	31.0	31.3	29.2	30.5	29.5	30.8	31.0
3H	30.7	31.8	31.0	32.1	32.4	30.4	31.5	30.7	31.8	32.1
4H	31.0	32.0	31.4	32.3	32.7	30.7	31.7	31.0	32.0	32.3
6H	31.1	32.0	31.5	32.4	32.7	30.6	31.5	31.0	31.9	32.2
8H	31.1	31.9	31.5	32.3	32.7	30.6	31.4	31.0	31.8	32.2
12H	31.1	31.8	31.5	32.2	32.6	30.5	31.3	31.0	31.7	32.1
8H 4H	31.1	31.9	31.5	32.3	32.7	30.7	31.6	31.1	31.9	32.3
6H	31.2	31.9	31.7	32.3	32.7	30.7	31.4	31.2	31.8	32.2
8H	31.2	31.8	31.7	32.3	32.7	30.7	31.3	31.2	31.7	32.2
12H	31.2	31.7	31.7	32.2	32.7	30.7	31.2	31.1	31.6	32.1
12H 4H	31.0	31.8	31.5	32.2	32.6	30.7	31.5	31.1	31.9	32.3
6H	31.2	31.8	31.6	32.2	32.7	30.7	31.3	31.2	31.7	32.2
8H	31.2	31.7	31.7	32.2	32.6	30.7	31.2	31.1	31.6	32.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.4				

CIE Pub.117 Corrected 30055 lm Total Lamp Luminous Flux. (8log(F/F0) = 11.8)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(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	58	47	40	58	47	40	56	46	40	33
0.80	69	57	50	68	57	50	66	56	50	43
1.00	78	67	60	76	66	60	74	68	59	52
1.25	85	75	68	83	74	68	81	73	67	60
1.50	90	81	74	88	80	73	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	108	102	98	105	101	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:2019-03-18

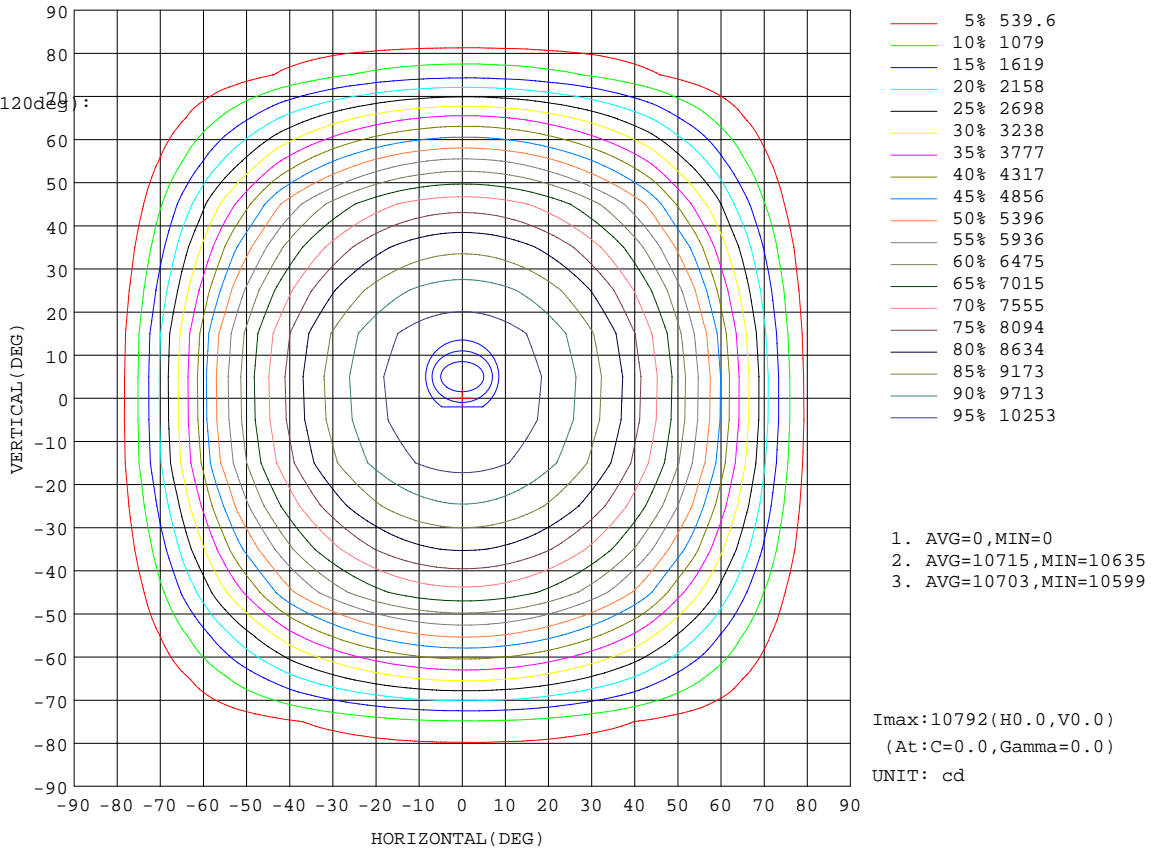
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
 16998 lm
 %lum = 56.6%
 %lamp = 56.6%

Conical surface Flux(120deg):
 25080 lm
 %lum = 83.4%
 %lamp = 83.4%

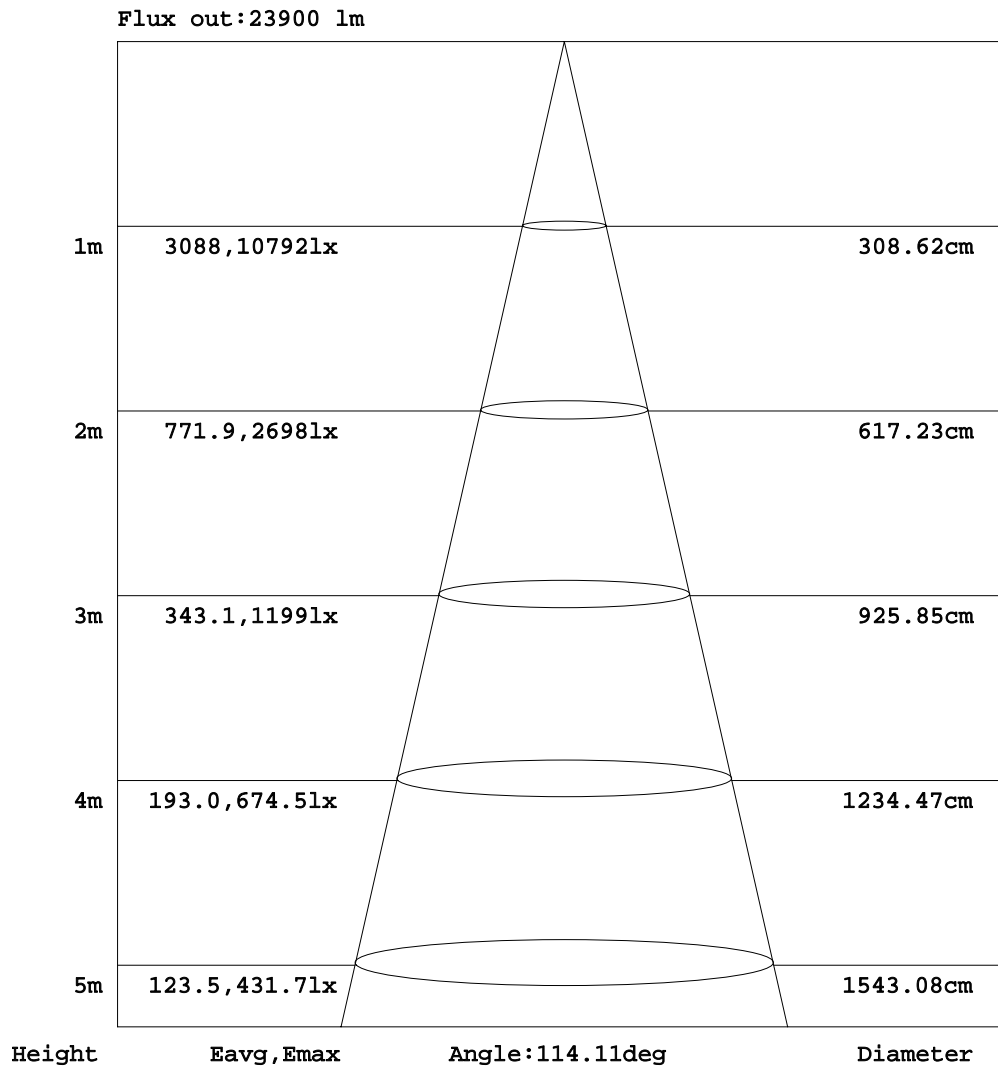


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



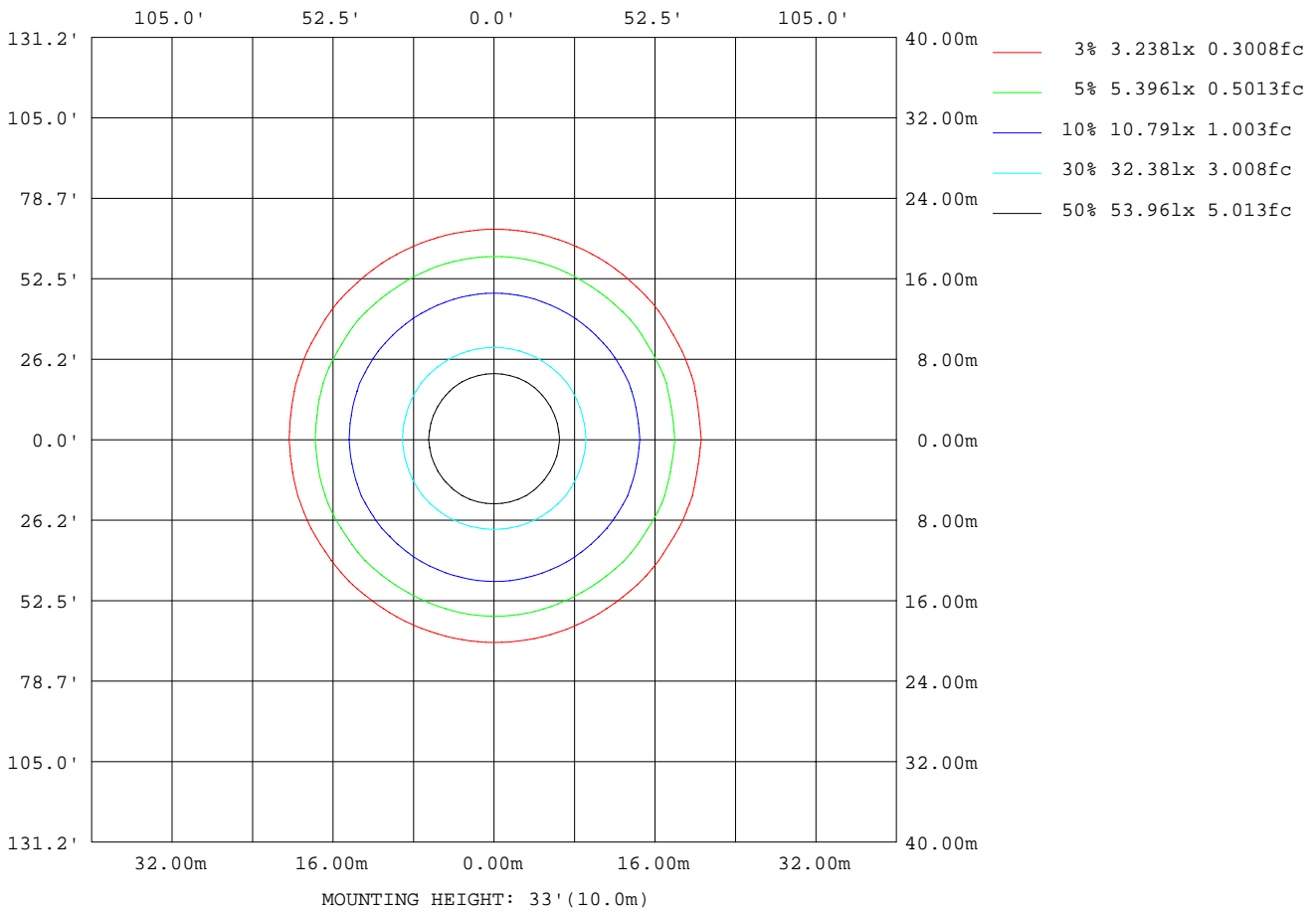
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(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:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(CH)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

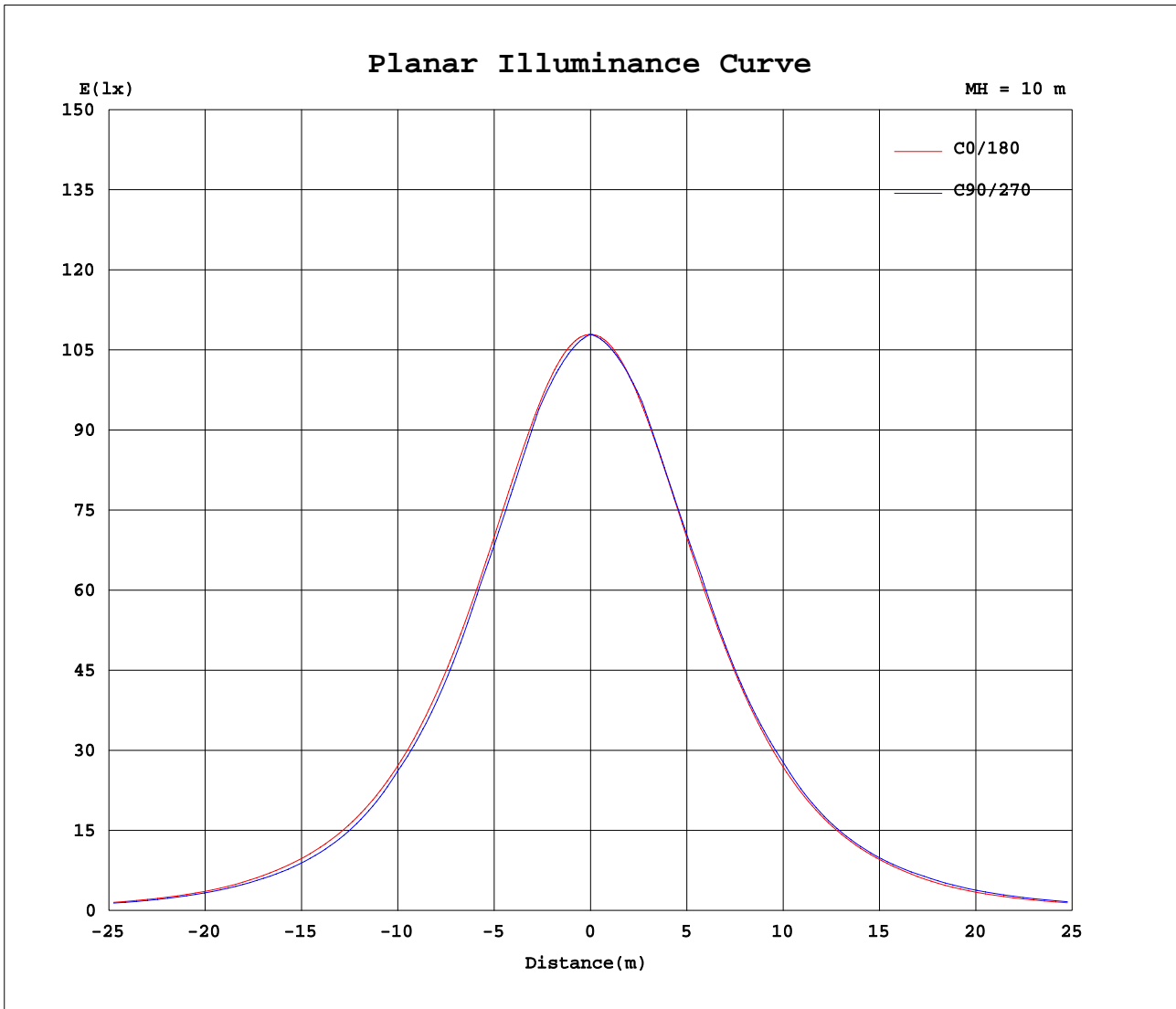
AvgL	cd/m2
L_0~180(65)av	84693
L_0~180(75)av	47153
L_0~180(85)av	5790
L_90~270(65)av	85840
L_90~270(75)av	47761
L_90~270(85)av	0
L_45(65)av	84670
L_45(75)av	52847
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-18

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: 2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(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	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079
5	1077	1076	1075	1074	1073	1072	1071	1070	1070	1069	1069	1068	1068	1068	1067	1067	1067	1067	1067
10	1068	1065	1063	1062	1060	1059	1058	1057	1056	1055	1055	1055	1055	1055	1054	1054	1054	1054	1054
15	1051	1047	1044	1042	1040	1039	1038	1037	1037	1037	1038	1038	1039	1040	1041	1041	1042	1042	1042
20	1025	1020	1017	1014	1012	1012	1012	1012	1013	1015	1014	1012	1010	1008	1007	1006	1006	1005	1005
25	991	985	981	979	978	978	979	982	978	974	972	970	969	969	968	968	968	968	968
30	949	942	938	936	936	938	937	932	929	927	927	927	927	928	929	930	930	931	931
35	898	890	886	885	887	885	880	877	876	877	878	881	877	874	871	869	868	868	867
40	837	829	825	826	826	820	817	817	819	820	814	810	807	806	805	804	804	804	804
45	768	758	755	758	752	749	749	753	746	741	738	736	736	737	738	739	740	740	740
50	687	678	676	675	670	671	673	665	660	659	659	661	658	653	649	647	645	645	644
55	597	587	589	583	582	583	573	572	572	574	564	558	553	550	549	548	548	548	548
60	493	481	482	475	482	469	463	470	467	459	453	449	447	447	448	449	451	452	452
65	366	358	356	359	353	351	348	345	344	344	341	340	339	338	337	337	337	336	336
70	245	240	239	238	233	234	231	228	228	232	232	230	227	225	224	223	221	221	220
75	131	127	129	125	127	125	126	130	131	129	126	122	118	114	111	109	106	105	104
80	44.9	46.5	46.4	47.7	47.9	52.9	52.5	48.0	40.3	36.7	32.7	28.1	22.5	16.8	11.5	6.74	3.05	0.78	0.00
85	8.70	12.2	12.9	13.9	10.3	5.42	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	5.33	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:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(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	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079
5	1067	1067	1067	1067	1068	1068	1068	1069	1069	1070	1070	1071	1072	1073	1074	1075	1076	1077	1076
10	1054	1054	1054	1054	1055	1055	1055	1055	1055	1056	1056	1057	1058	1060	1061	1063	1065	1067	1066
15	1042	1042	1041	1041	1040	1039	1038	1038	1037	1037	1037	1037	1038	1039	1041	1043	1046	1049	1047
20	1005	1005	1006	1007	1008	1010	1012	1014	1015	1013	1012	1011	1011	1012	1013	1015	1019	1023	1021
25	968	968	968	968	968	969	970	971	974	977	982	979	977	977	977	980	983	989	986
30	931	930	929	928	927	926	925	925	926	928	931	936	937	935	934	935	939	945	942
35	867	868	869	870	872	875	879	876	874	874	875	878	884	886	883	883	886	893	890
40	804	803	803	804	804	806	808	811	816	816	814	814	818	825	823	821	824	832	828
45	740	739	738	737	736	735	734	735	737	741	748	744	744	748	756	751	753	760	756
50	644	644	645	647	651	656	659	656	655	656	659	666	664	665	671	671	670	678	675
55	547	546	545	545	547	549	554	560	570	567	564	564	573	573	575	583	579	586	583
60	450	448	445	443	441	441	442	446	452	458	459	454	459	465	463	472	467	475	472
65	335	334	333	332	332	332	331	331	334	332	334	339	341	339	344	345	347	350	350
70	220	219	219	219	220	221	222	223	220	215	215	218	222	222	222	222	228	225	231
75	104	104	106	107	109	112	115	119	121	121	120	113	112	116	115	113	115	113	116
80	0.77	3.00	6.52	10.9	15.8	20.8	25.6	29.5	32.3	35.6	42.3	45.8	44.5	39.0	39.0	37.0	35.5	32.6	33.1
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	4.11	7.80	10.5	8.47	6.87	1.39	0.60
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	2.86	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-18

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:219.7V I:0.9146A P:197.3W PF:0.9820 Lamp Flux:30054.7x1 lm		
NAME: GLM-MXHB200(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	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079				
5	1072	1072	1072	1072	1072	1073	1073	1073	1073	1074	1074	1074	1075	1076	1076				
10	1064	1064	1064	1063	1063	1063	1063	1062	1062	1063	1063	1063	1064	1065	1066				
15	1056	1055	1054	1052	1051	1050	1048	1047	1046	1046	1045	1045	1046	1047	1048				
20	1026	1026	1027	1027	1029	1030	1030	1027	1024	1022	1020	1020	1020	1020	1022				
25	993	992	992	991	991	992	993	994	997	992	989	987	986	986	988				
30	960	958	956	954	952	950	949	949	950	952	951	946	944	943	945				
35	904	905	906	908	910	906	902	899	897	898	900	899	894	892	893				
40	844	843	843	843	843	845	848	845	840	837	837	840	836	832	832				
45	783	781	778	776	773	772	772	774	778	771	766	766	769	763	762				
50	696	697	698	701	702	697	693	691	692	696	690	685	687	684	681				
55	602	600	599	599	600	604	611	605	601	598	603	598	594	596	591				
60	507	503	498	495	493	493	496	501	503	490	490	499	488	490	485				
65	389	388	386	385	385	382	381	381	375	374	371	369	370	363	361				
70	267	266	266	266	266	266	265	261	254	253	253	247	247	244	241				
75	146	146	148	149	150	151	153	150	148	143	137	135	131	132	128				
80	9.22	15.6	23.2	31.1	38.2	43.7	47.2	48.6	53.5	56.3	55.7	49.4	46.7	43.7	43.7				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.65	3.97	6.20	5.52	5.80				
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:2019-03-18

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: