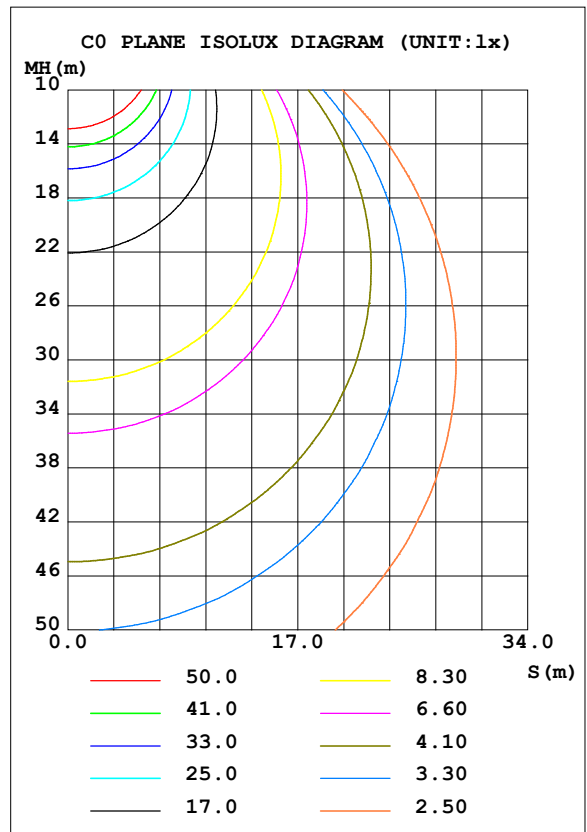
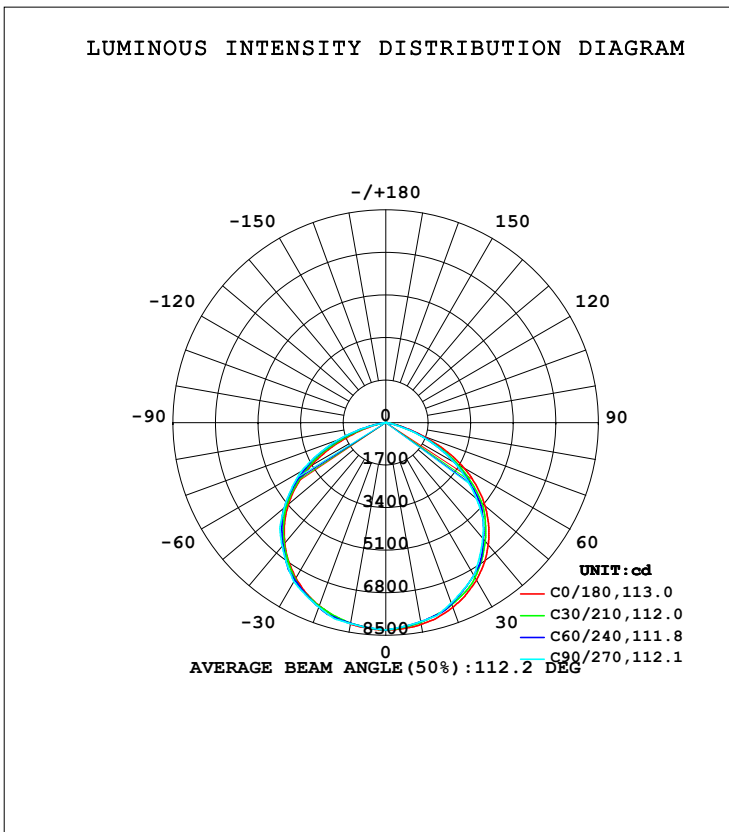


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.43 lm/W			
MODEL		I _{max} (cd)	8284	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	22382	<input type="checkbox"/> UP, DN (C0-180)	0.0, 48.2
NOMINAL FLUX (lm)	22382.4	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0, 51.8
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	1.35



H Range: -90 - 90 DEG
H Interval: 1.0 DEG
Test Speed: HIGH
Temperature: 25.3 DEG
Operators:
Test Date: 2020-03-18

V(B) Range: -75 - 75 DEG
V(B) Interval: 5.0 DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity: 65.0%
Test Distance: 7.500m [K=1.1333]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	8182	8081	8072	8065	8166	8127	8153	8146	0- 10	781.0	781.0	3.49,3.49
20	7849	7748	7663	7731	7785	7859	7841	7879	10- 20	2254	3035	13.6,13.6
30	7261	7054	7053	7011	7180	7213	7344	7263	20- 30	3456	6491	29,29
40	6373	6199	6032	6135	6285	6414	6442	6475	30- 40	4223	10714	47.9,47.9
50	5182	4888	4733	4829	5079	5206	5295	5271	40- 50	4400	15114	67.5,67.5
60	3594	3222	3157	3168	3462	3667	3904	3765	50- 60	3845	18959	84.7,84.7
70	1600	1423	1353	1346	1465	1861	2014	1977	60- 70	2531	21489	96,96
80	229.1	138.3	0	117.0	150.5	271.3	0	300.7	70- 80	865.0	22354	99.9,99.9
90	14.08	0	0	0	0.4389	0	0	0	80- 90	28.02	22382	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): 12933 lm

%lum = 57.8%

%lamp = 57.8%

Conical surface Flux(120deg): 18959 lm

%lum = 84.7%

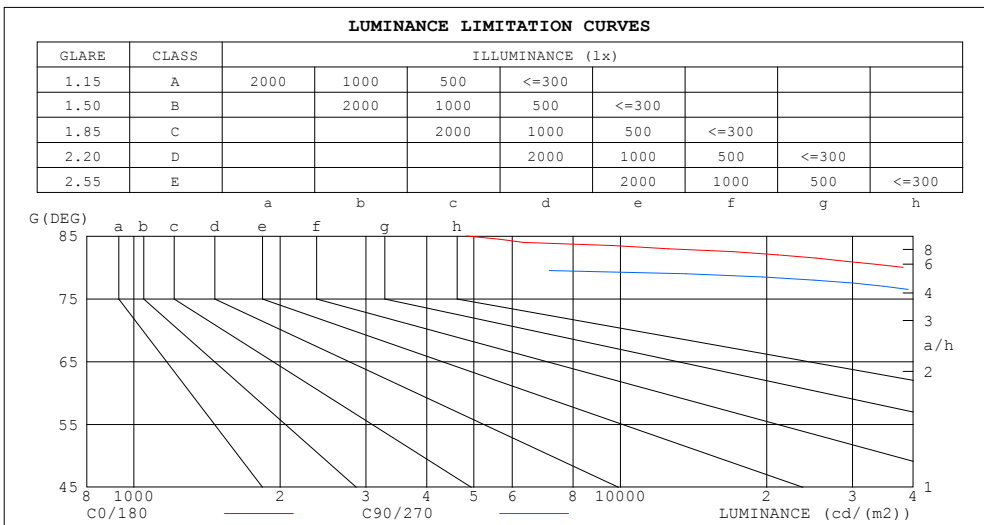
%lamp = 84.7%

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



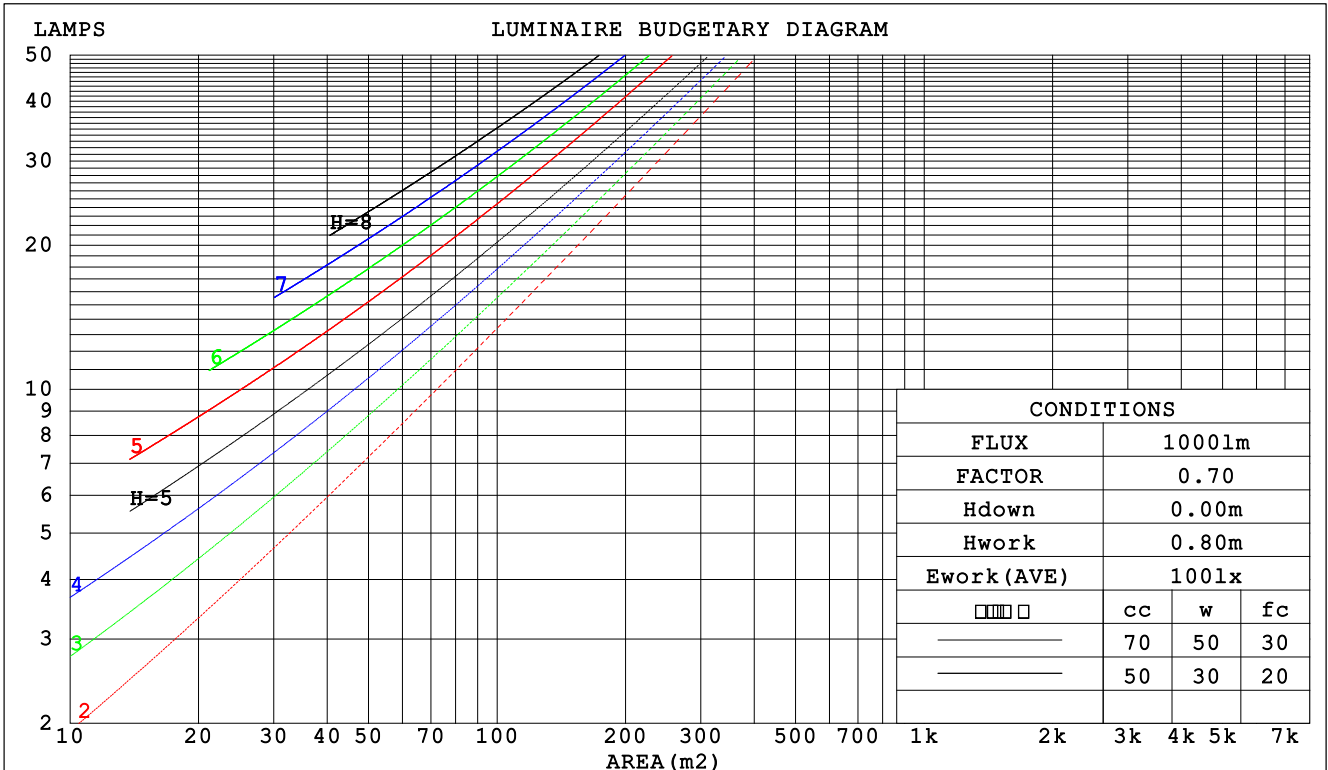
H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	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	1.06	1.02	.98	1.03	1.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.70	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.64	.58	.69	.62	.57	.67	.61	.56	.65	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.38	.36
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.38	.32	.27	.26



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

WEC AND CCEC

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	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	.274 .156 .049	.267 .152 .048	.254 .146 .047	.242 .140 .045	.231 .134 .043	
2.0	.268 .147 .045	.262 .144 .044	.250 .139 .043	.240 .134 .042	.230 .130 .041	
3.0	.253 .135 .040	.248 .133 .040	.238 .129 .039	.228 .125 .038	.220 .122 .038	
4.0	.237 .123 .036	.232 .122 .036	.223 .118 .035	.215 .115 .035	.207 .113 .034	
5.0	.221 .113 .033	.217 .112 .032	.209 .109 .032	.202 .106 .032	.195 .104 .031	
6.0	.207 .104 .030	.203 .103 .030	.196 .100 .029	.189 .098 .029	.183 .096 .029	
7.0	.194 .096 .027	.190 .095 .027	.184 .093 .027	.178 .091 .027	.172 .089 .026	
8.0	.182 .089 .025	.179 .088 .025	.173 .086 .025	.167 .085 .024	.162 .083 .024	
9.0	.171 .083 .023	.168 .082 .023	.163 .081 .023	.158 .079 .023	.153 .078 .023	
10.0	.161 .077 .021	.158 .077 .021	.154 .075 .021	.149 .074 .021	.145 .073 .021	

<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	.178 .156 .137	.152 .134 .118	.104 .092 .082	.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	.161 .114 .077	.138 .099 .066	.095 .068 .047	.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	.120 .071 .035	.083 .050 .025	.048 .029 .015	.016 .010 .005	
7.0	.133 .075 .034	.115 .065 .030	.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	.072 .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	

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	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	31.6	33.0	31.8	33.2	33.4	31.1	32.6	31.4	32.8	33.0
3H	32.4	33.8	32.7	34.0	34.3	32.0	33.3	32.2	33.5	33.8
4H	32.6	33.9	32.9	34.1	34.4	32.0	33.3	32.3	33.5	33.8
6H	32.6	33.8	32.9	34.0	34.3	31.9	33.1	32.3	33.4	33.7
8H	32.5	33.7	32.9	34.0	34.2	31.9	33.0	32.2	33.3	33.6
12H	32.5	33.6	32.8	33.9	34.2	31.8	32.9	32.2	33.2	33.5
4H 2H	31.9	33.2	32.2	33.5	33.7	31.6	32.9	31.9	33.1	33.4
3H	32.9	34.0	33.3	34.3	34.6	32.5	33.6	32.9	33.9	34.2
4H	33.1	34.1	33.5	34.4	34.7	32.6	33.6	33.0	33.9	34.3
6H	33.1	34.0	33.5	34.3	34.7	32.6	33.4	32.9	33.8	34.2
8H	33.1	33.9	33.5	34.3	34.6	32.5	33.3	32.9	33.7	34.1
12H	33.0	33.8	33.4	34.2	34.6	32.5	33.2	32.9	33.6	34.0
8H 4H	33.1	33.9	33.5	34.3	34.7	32.6	33.5	33.0	33.8	34.2
6H	33.1	33.8	33.6	34.2	34.6	32.6	33.3	33.0	33.7	34.1
8H	33.1	33.7	33.6	34.1	34.6	32.5	33.1	33.0	33.6	34.0
12H	33.1	33.6	33.5	34.0	34.5	32.5	33.0	33.0	33.5	33.9
12H 4H	33.1	33.8	33.5	34.2	34.6	32.6	33.3	33.0	33.7	34.1
6H	33.1	33.7	33.5	34.1	34.6	32.5	33.1	33.0	33.6	34.0
8H	33.1	33.6	33.5	34.0	34.5	32.5	33.0	33.0	33.5	33.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.4 / - 0.4				
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.6				
2.0H	+ 0.6 / - 0.6					+ 0.6 / - 0.6				

CIE Pub.117, 22382 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.8)

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

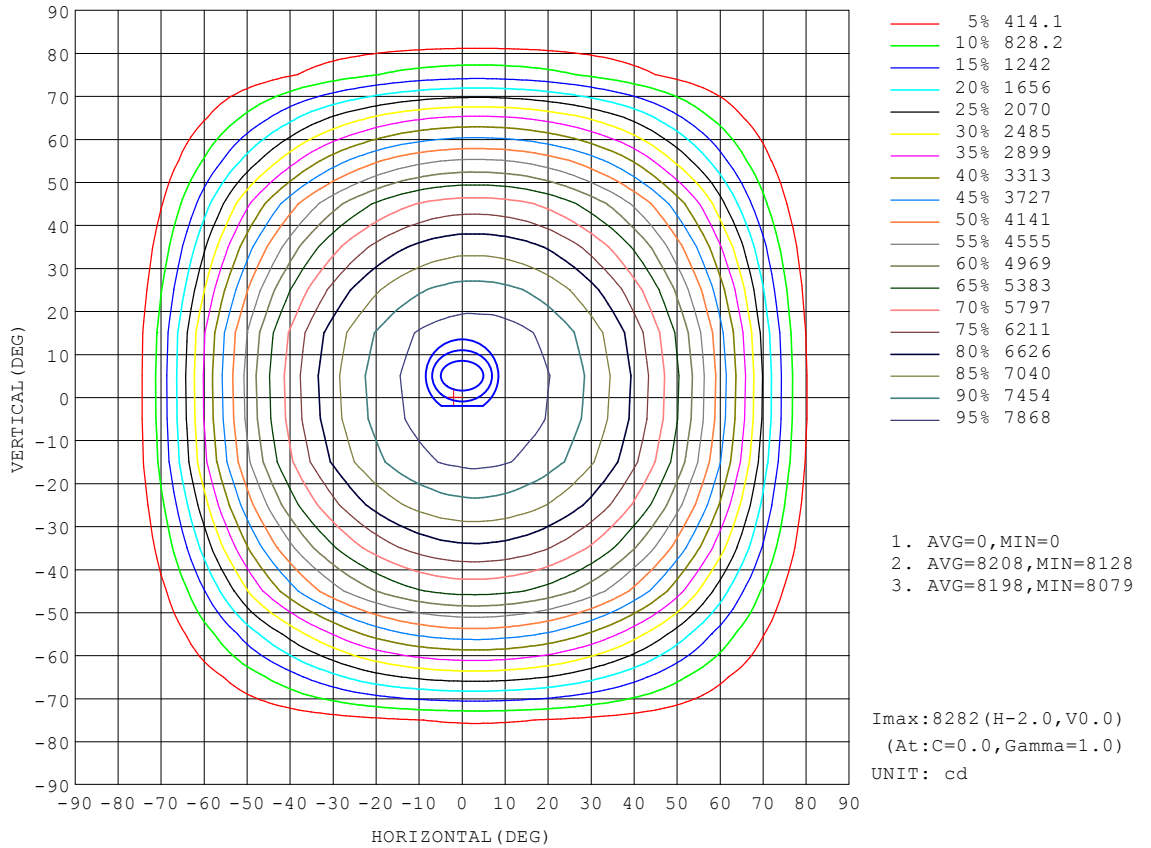
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	59	48	41	58	47	41	57	47	40	34
0.80	69	58	51	68	58	51	67	57	51	44
1.00	78	68	61	77	67	60	75	68	60	53
1.25	85	76	69	84	75	69	81	74	68	61
1.50	90	81	75	89	80	74	86	79	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	86	78
3.00	104	98	93	102	96	92	98	93	90	82
4.00	108	103	99	105	101	97	101	98	95	86
5.00	110	106	102	108	104	101	103	100	97	89
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:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150 (AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

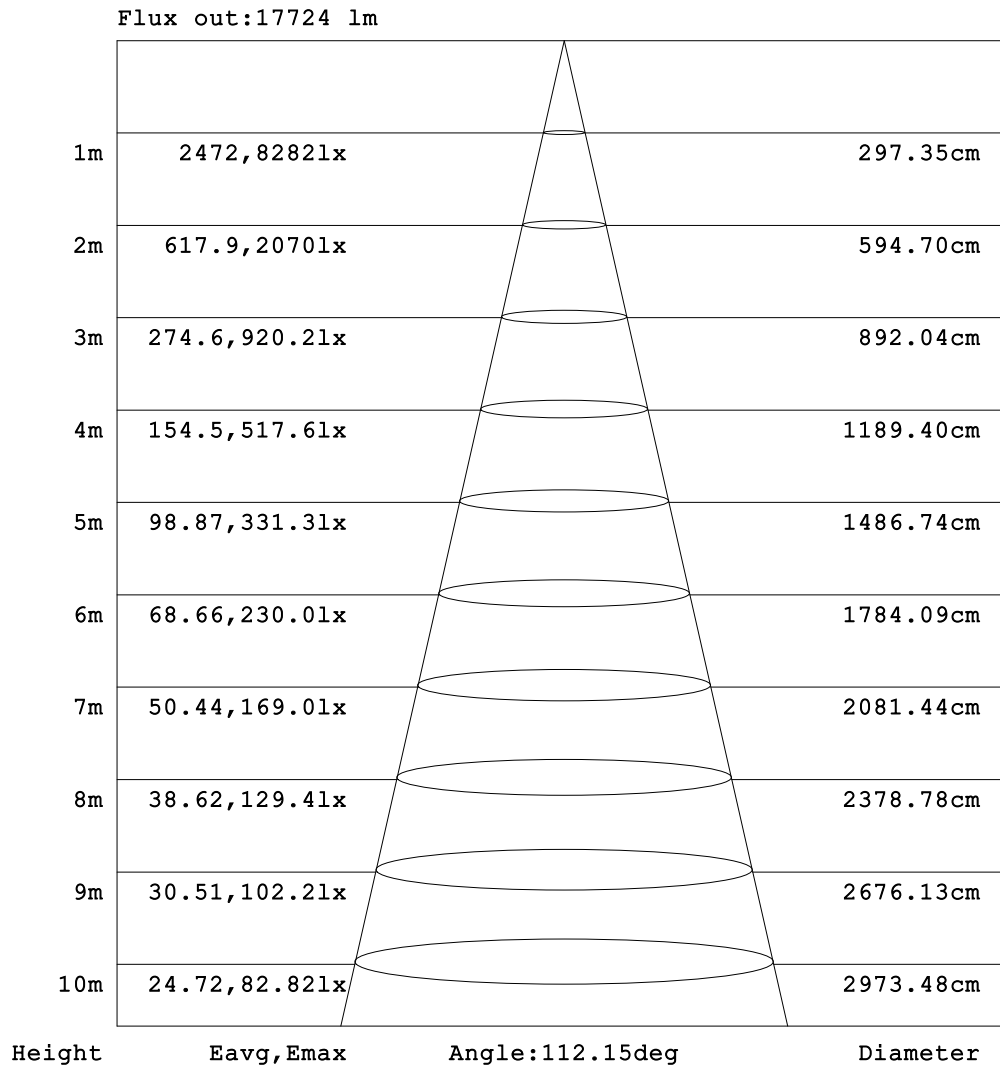


H(□) Range:-90 - 90DEG
 H(□) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-03-18

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.1333]
 Remarks:

AAI Figure

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



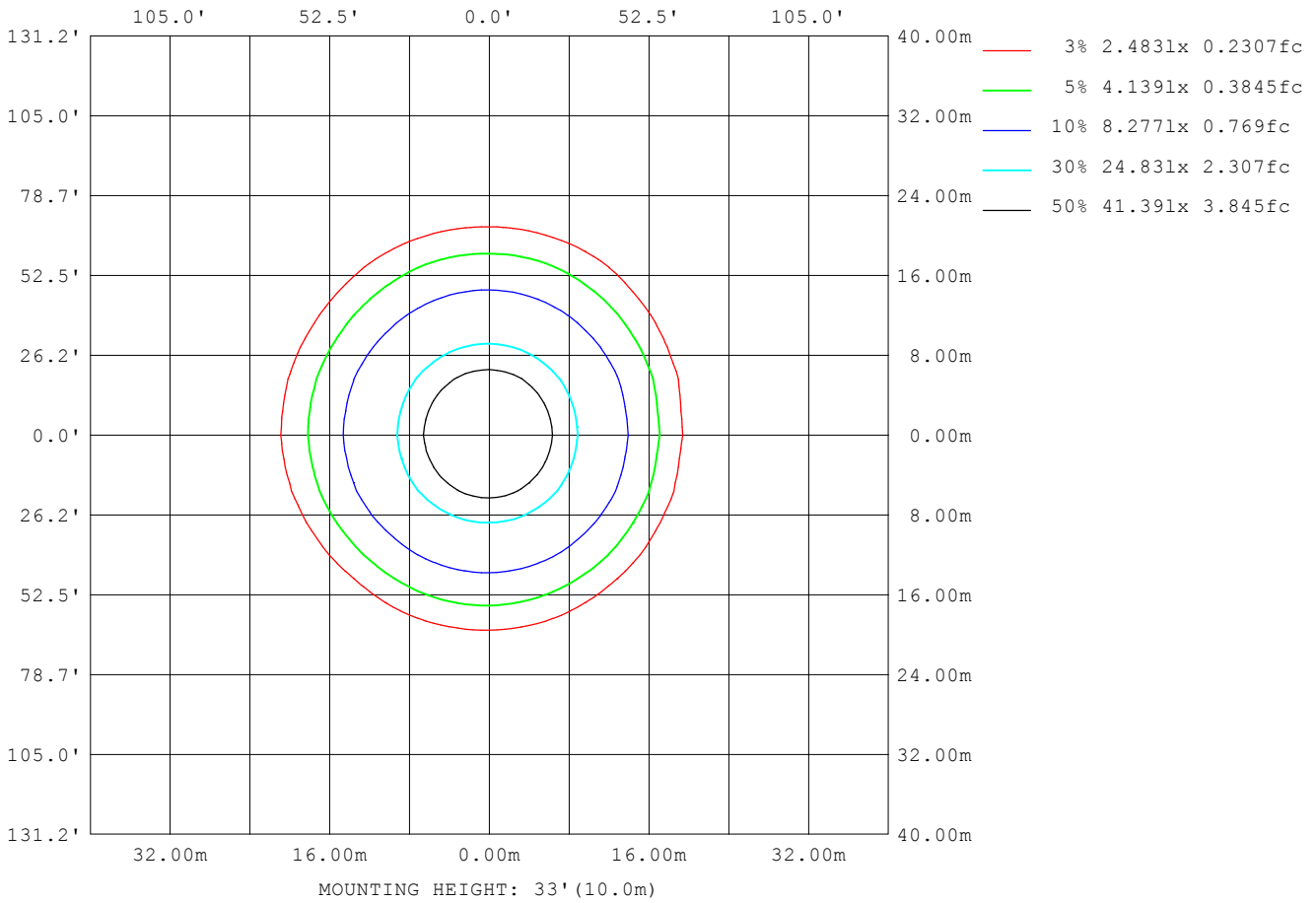
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

ISOLUX DIAGRAM

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150 (AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

LED Avg.L Report

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150 (AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

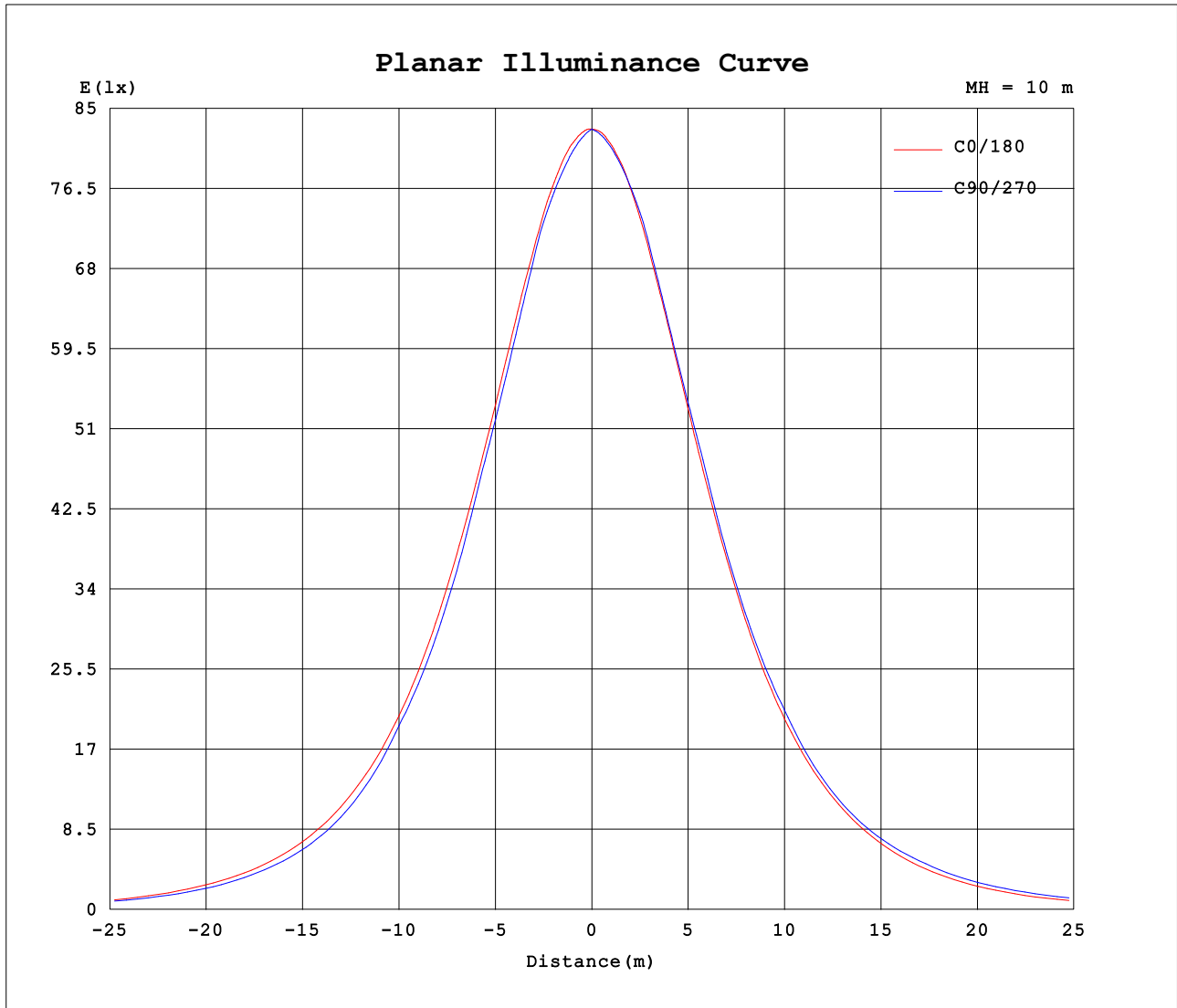
AvgL	cd/m2
L_0~180 (65) av	174794
L_0~180 (75) av	78694
L_0~180 (85) av	2412
L_90~270 (65) av	178298
L_90~270 (75) av	84884
L_90~270 (85) av	0
L_45 (65) av	173195
L_45 (75) av	98010
L_45 (85) av	0

Standard: GB/T 29293-2012

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

Planar Illuminance Curve



H(□) Range:-90 - 90DEG
 H(□) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-03-18

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:7.500m [K=1.1333]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	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	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281
5	8256	8247	8238	8230	8222	8215	8209	8203	8198	8193	8190	8186	8184	8182	8180	8179	8178	8177	8176
10	8182	8163	8146	8131	8119	8109	8100	8093	8086	8081	8077	8074	8071	8069	8068	8067	8068	8070	8072
15	8051	8023	7999	7979	7963	7948	7936	7928	7925	7928	7933	7936	7940	7948	7954	7955	7956	7960	7968
20	7849	7811	7781	7757	7740	7732	7734	7741	7748	7748	7733	7714	7701	7687	7677	7669	7662	7660	7663
25	7584	7537	7503	7481	7471	7474	7487	7501	7453	7431	7411	7388	7375	7364	7364	7361	7356	7359	7358
30	7261	7204	7164	7143	7138	7153	7141	7097	7075	7054	7038	7042	7042	7048	7039	7054	7045	7057	7053
35	6862	6795	6754	6738	6749	6737	6691	6663	6651	6644	6659	6667	6640	6612	6582	6567	6552	6548	6542
40	6373	6301	6268	6269	6270	6213	6186	6185	6201	6199	6134	6105	6078	6063	6057	6041	6038	6035	6032
45	5819	5738	5710	5732	5674	5641	5633	5661	5604	5560	5532	5509	5507	5512	5518	5515	5519	5522	5521
50	5182	5096	5080	5063	5009	5015	5021	4938	4892	4888	4896	4909	4881	4833	4794	4765	4747	4739	4733
55	4439	4350	4358	4292	4276	4280	4195	4158	4159	4174	4111	4058	4017	3993	3974	3956	3949	3949	3945
60	3594	3497	3487	3427	3443	3346	3316	3334	3275	3222	3184	3161	3147	3150	3154	3146	3149	3157	3157
65	2635	2526	2488	2497	2429	2374	2370	2338	2299	2272	2258	2263	2280	2288	2286	2269	2259	2257	2255
70	1600	1531	1508	1498	1445	1448	1420	1387	1367	1423	1445	1449	1440	1424	1405	1382	1365	1356	1353
75	756	720	719	685	693	659	654	705	728	728	703	664	619	573	533	499	472	456	451
80	229	220	210	212	210	232	229	202	152	138	128	111	91.1	69.2	47.7	28.4	13.1	3.34	0.00
85	14.5	36.5	36.7	44.7	29.3	12.7	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	14.1	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	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:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	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	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281
5	8176	8176	8176	8177	8178	8180	8182	8185	8189	8193	8198	8203	8209	8215	8223	8231	8240	8249	8244
10	8071	8065	8060	8058	8059	8059	8061	8063	8065	8069	8074	8082	8092	8103	8115	8130	8147	8166	8156
15	7962	7946	7941	7939	7937	7928	7918	7912	7908	7906	7907	7911	7915	7925	7940	7960	7984	8011	7995
20	7657	7651	7658	7667	7670	7679	7699	7727	7731	7718	7708	7698	7693	7694	7704	7723	7750	7785	7766
25	7354	7349	7350	7348	7342	7355	7361	7377	7399	7426	7460	7444	7431	7423	7427	7447	7479	7525	7499
30	7051	7043	7040	7018	7017	7004	7002	7005	7011	7033	7055	7095	7114	7089	7082	7095	7127	7180	7153
35	6544	6542	6551	6555	6573	6595	6627	6609	6600	6599	6608	6629	6682	6700	6676	6680	6713	6772	6742
40	6034	6027	6024	6030	6026	6040	6056	6091	6135	6128	6118	6119	6150	6214	6210	6198	6223	6285	6255
45	5524	5513	5499	5491	5476	5468	5468	5474	5493	5529	5588	5566	5572	5609	5673	5644	5658	5725	5694
50	4738	4742	4753	4774	4799	4836	4860	4840	4829	4835	4870	4935	4930	4935	4993	5005	5007	5079	5049
55	3945	3945	3949	3956	3968	3989	4016	4060	4129	4112	4103	4125	4192	4189	4218	4282	4259	4331	4306
60	3152	3148	3143	3137	3133	3126	3117	3127	3168	3230	3302	3276	3288	3350	3341	3413	3397	3462	3446
65	2253	2257	2263	2269	2274	2260	2214	2190	2204	2227	2289	2351	2328	2343	2384	2415	2441	2477	2493
70	1352	1359	1372	1388	1407	1416	1405	1389	1346	1294	1317	1363	1391	1385	1400	1416	1464	1465	1516
75	451	462	484	514	553	594	631	664	675	673	646	590	596	635	625	631	648	654	681
80	3.30	12.8	27.3	45.2	64.8	84.1	101	113	117	127	174	197	198	173	171	168	163	151	156
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	9.54	22.2	30.5	20.4	10.6	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	0.44	0.00

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	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	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281
5	8239	8234	8231	8228	8225	8223	8222	8221	8221	8220	8220	8220	8220	8219	8218	8217	8217	8217	8218
10	8147	8140	8135	8132	8129	8126	8126	8127	8129	8133	8136	8140	8144	8150	8155	8156	8153	8151	8148
15	7983	7975	7971	7973	7979	7989	7999	8010	8021	8032	8043	8055	8064	8072	8083	8094	8089	8082	8078
20	7755	7752	7757	7774	7794	7813	7834	7859	7870	7859	7847	7841	7838	7838	7841	7846	7841	7839	7845
25	7486	7486	7500	7523	7551	7591	7575	7572	7558	7559	7565	7568	7576	7579	7593	7597	7592	7596	7597
30	7145	7156	7182	7221	7228	7216	7212	7213	7229	7243	7262	7283	7304	7319	7337	7350	7344	7353	7341
35	6739	6764	6812	6820	6801	6803	6811	6845	6871	6914	6898	6895	6890	6894	6892	6900	6893	6903	6900
40	6263	6307	6349	6319	6322	6344	6388	6414	6399	6389	6397	6402	6411	6425	6435	6443	6442	6448	6443
45	5714	5779	5756	5755	5790	5847	5829	5819	5828	5851	5876	5903	5927	5958	5977	5985	5990	5992	5988
50	5090	5120	5102	5133	5182	5165	5173	5206	5244	5291	5305	5298	5291	5292	5292	5293	5295	5301	5309
55	4370	4356	4385	4430	4413	4440	4496	4556	4534	4528	4529	4548	4563	4575	4586	4597	4600	4606	4607
60	3518	3504	3566	3562	3599	3683	3667	3667	3688	3715	3749	3793	3831	3858	3881	3900	3904	3911	3906
65	2522	2564	2577	2654	2708	2696	2712	2766	2831	2893	2913	2930	2942	2946	2949	2956	2959	2968	2974
70	1521	1562	1635	1676	1712	1729	1777	1861	1925	1954	1967	1976	1989	1995	2000	2007	2014	2020	2023
75	706	748	790	805	858	934	986	1016	1037	1039	1037	1033	1040	1045	1052	1058	1069	1071	1072
80	170	196	219	270	300	296	267	271	265	241	203	156	109	65.6	30.5	7.84	0.00	7.94	31.1
85	0.00	10.9	0.00	1.21	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	V(B) Range:-75 - 75DEG
H(□) Interval: 1.0DEG	V(B) Interval: 5.0DEG
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=1.1333]
Test Date:2020-03-18	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.16V I:0.6822A P:147.80W PF:0.9709 Freq:50.00Hz Lamp Flux:22382.4x1 lm		
NAME: GLM-MXHB150(AH) 120°	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	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	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281	8281				
5	8218	8218	8219	8219	8221	8222	8224	8227	8229	8232	8235	8238	8242	8246	8251				
10	8147	8149	8152	8152	8149	8147	8146	8144	8144	8144	8146	8150	8155	8162	8171				
15	8085	8085	8072	8058	8046	8037	8028	8018	8011	8009	8008	8010	8014	8022	8034				
20	7855	7854	7855	7865	7874	7882	7879	7861	7841	7823	7811	7805	7806	7814	7828				
25	7595	7590	7588	7588	7585	7591	7599	7608	7634	7601	7569	7549	7541	7544	7558				
30	7336	7322	7316	7297	7290	7272	7263	7261	7264	7291	7286	7247	7222	7217	7230				
35	6909	6920	6930	6955	6963	6929	6898	6875	6864	6863	6888	6877	6832	6815	6825				
40	6441	6446	6441	6439	6442	6453	6475	6449	6414	6390	6386	6408	6373	6337	6336				
45	5976	5961	5943	5915	5895	5880	5881	5898	5932	5871	5840	5827	5849	5791	5779				
50	5319	5323	5329	5346	5331	5297	5271	5248	5256	5288	5236	5190	5196	5169	5140				
55	4610	4602	4593	4586	4584	4598	4616	4575	4535	4516	4540	4484	4449	4456	4400				
60	3898	3876	3856	3827	3797	3782	3765	3765	3779	3708	3678	3704	3629	3614	3563				
65	2983	2987	2999	2999	2995	2957	2888	2829	2806	2817	2763	2710	2742	2636	2599				
70	2029	2030	2036	2036	2036	2028	1977	1894	1837	1802	1755	1707	1673	1631	1589				
75	1077	1077	1079	1084	1093	1102	1091	1063	1006	929	876	856	809	797	757				
80	67.8	114	165	215	256	287	301	302	334	342	316	271	250	233	229				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.56	0.00	21.8	0.16	0.14			
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:
Test Date:2020-03-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:7.500m [K=1.1333]
Remarks: