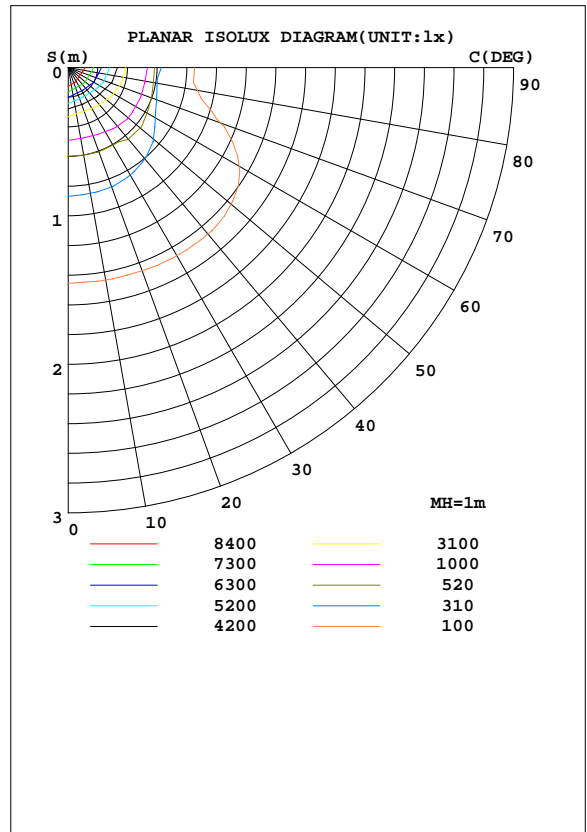
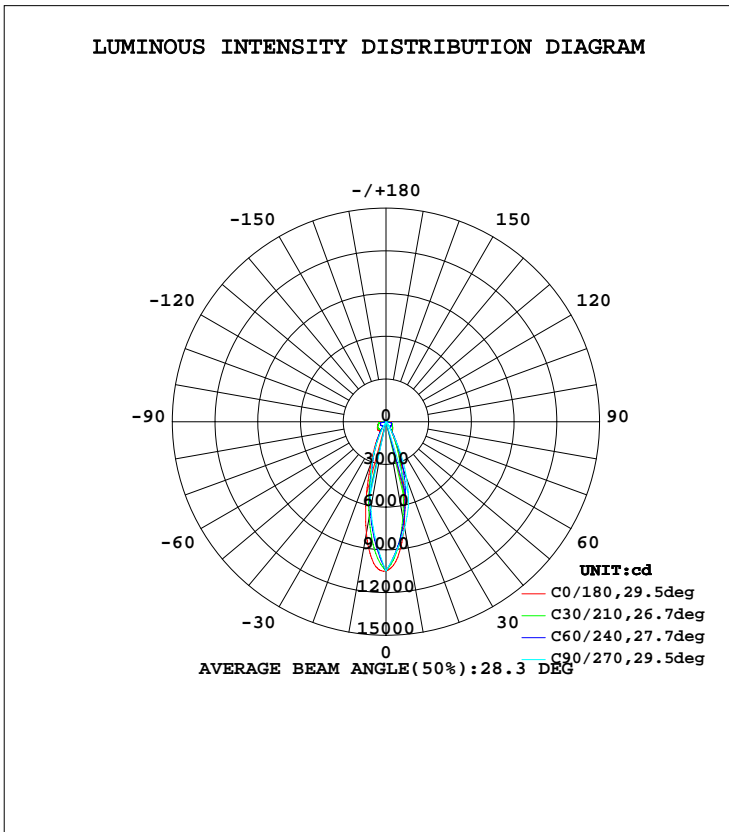


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.02 lm/W			
MODEL		I _{max} (cd)	10501	S/MH(C0/180)	0.51
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.40
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	4982.1	η UP, DN(C0-180)	0.0,53.3
NOMINAL FLUX(lm)	4982.09	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,46.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-26

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=1.1800]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	954.5	895.4	901.7	925.4	997.1	877.5	832.1	850.8	0- 5	228.1	228.1	4.58,4.58
10	738.1	692.1	755.5	737.5	795.8	653.9	616.3	619.2	5- 10	563.2	791.3	15.9,15.9
15	492.3	485.4	609.3	531.5	533.9	431.7	400.6	406.2	10- 15	684.1	1475	29.6,29.6
20	289.3	308.9	425.5	345.4	307.1	250.1	269.3	238.3	15- 20	626.1	2102	42.2,42.2
25	159.2	186.6	241.6	205.7	173.6	150.0	138.0	143.4	20- 25	481.0	2583	51.8,51.8
30	84.94	112.2	57.74	120.8	86.75	89.20	6.792	87.34	25- 30	304.1	2887	57.9,57.9
35	76.92	71.17	40.63	75.34	78.42	61.03	4.528	62.60	30- 35	186.2	3073	61.7,61.7
40	72.68	61.86	23.52	62.08	80.42	58.80	2.264	58.04	35- 40	179.7	3253	65.3,65.3
45	67.57	60.38	6.418	63.51	80.43	60.73	0	57.16	40- 45	191.6	3444	69.1,69.1
50	61.19	57.94	4.502	63.87	78.44	61.31	0	55.22	45- 50	201.7	3646	73.2,73.2
55	55.11	55.37	2.586	63.38	74.34	60.84	0	52.78	50- 55	209.5	3855	77.4,77.4
60	50.76	52.37	0.6709	61.29	69.66	58.97	0	49.58	55- 60	212.5	4068	81.7,81.7
65	46.13	48.84	0.4473	58.31	64.78	56.16	0	46.29	60- 65	211.8	4280	85.9,85.9
70	43.63	45.84	0.2236	55.05	59.99	53.13	0	43.72	65- 70	208.4	4488	90.1,90.1
75	40.45	42.99	0	51.83	55.37	50.08	0	41.15	70- 75	201.7	4690	94.1,94.1
80	38.37	32.42	0	39.19	51.08	37.89	0	31.26	75- 80	175.1	4865	97.6,97.6
85	36.35	0	0	0	47.15	0	0	0	80- 85	90.74	4956	99.5,99.5
90	33.63	0	0	0	34.29	0	0	0	85- 90	26.44	4982	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			

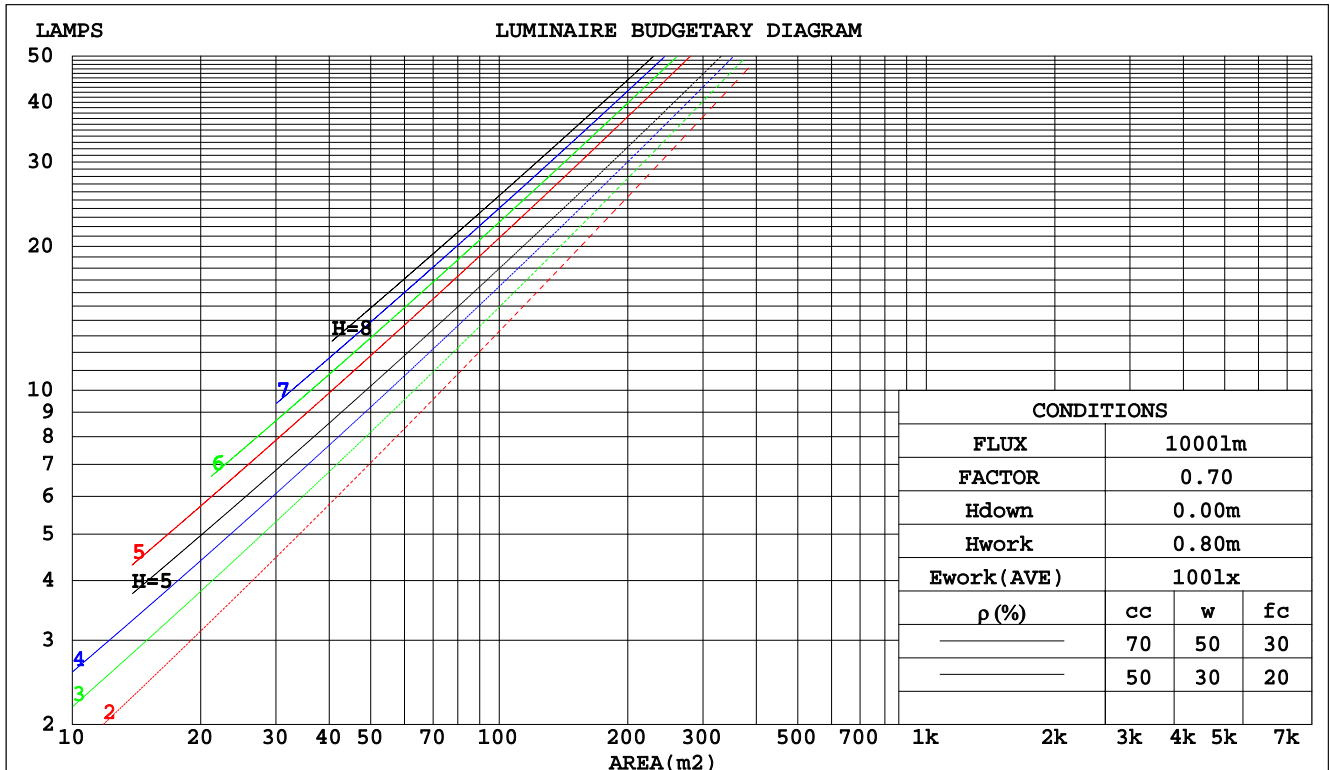
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-26

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=1.1800]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	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	.99	1.04	1.00	.97	.90	.97	.94	.96	.94	.91	.92	.90	.89	.87
2.0	.96	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.79	.77
3.0	.87	.80	.75	.86	.79	.74	.83	.78	.73	.80	.76	.72	.78	.74	.71	.69
4.0	.80	.73	.68	.79	.73	.67	.77	.71	.67	.75	.70	.66	.73	.68	.65	.63
5.0	.75	.68	.62	.74	.67	.62	.72	.66	.61	.70	.65	.61	.68	.64	.60	.58
6.0	.70	.63	.58	.69	.62	.58	.68	.62	.57	.66	.61	.57	.65	.60	.56	.55
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.54	.63	.57	.53	.61	.57	.53	.51
8.0	.63	.56	.51	.62	.55	.51	.61	.55	.51	.60	.54	.50	.59	.54	.50	.49
9.0	.59	.53	.48	.59	.53	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.46
10.0	.57	.50	.46	.56	.50	.46	.55	.50	.46	.55	.49	.46	.54	.49	.46	.44



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-26

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=1.1800]
 Remarks:

WEC AND CCEC

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	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	.267	.152	.048	.260	.149	.047	.247	.142	.045	.235	.136	.044	.224	.130	.042	
2.0	.243	.133	.041	.237	.130	.040	.225	.125	.039	.215	.121	.038	.205	.116	.037	
3.0	.220	.117	.035	.215	.115	.035	.205	.111	.034	.196	.107	.033	.188	.104	.032	
4.0	.200	.104	.031	.196	.103	.030	.187	.099	.030	.180	.096	.029	.172	.094	.029	
5.0	.184	.094	.027	.180	.092	.027	.173	.090	.026	.166	.087	.026	.159	.085	.026	
6.0	.170	.085	.024	.166	.084	.024	.160	.082	.024	.154	.080	.023	.148	.078	.023	
7.0	.158	.078	.022	.155	.077	.022	.149	.075	.022	.144	.074	.021	.139	.072	.021	
8.0	.147	.072	.020	.145	.071	.020	.140	.070	.020	.135	.068	.020	.130	.067	.019	
9.0	.138	.067	.019	.136	.066	.019	.131	.065	.018	.127	.064	.018	.123	.063	.018	
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.017	.120	.060	.017	.117	.059	.017	

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	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.155	.114	.081	.133	.098	.071	.091	.068	.049	.053	.040	.029	.017	.013	.010	
4.0	.145	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.136	.089	.054	.117	.077	.047	.080	.054	.033	.046	.031	.020	.015	.010	.006	
6.0	.127	.080	.045	.110	.069	.040	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.120	.072	.039	.103	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.113	.066	.034	.097	.057	.029	.067	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.107	.061	.029	.092	.053	.026	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.101	.056	.026	.087	.049	.023	.061	.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:2019-07-26

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=1.1800]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm										
NAME: GLM-TPN-50W 4000K					TYPE:			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	24.6	25.8	24.8	25.9	26.1	20.8	22.0	21.1	22.2	22.4
3H	27.1	28.2	27.4	28.4	28.6	22.3	23.4	22.5	23.6	23.8
4H	28.5	29.5	28.8	29.8	30.0	22.8	23.9	23.1	24.1	24.3
6H	30.0	31.0	30.3	31.2	31.5	22.8	23.8	23.1	24.1	24.3
8H	30.8	31.7	31.1	32.0	32.3	22.8	23.7	23.1	24.0	24.3
12H	31.8	32.7	32.1	33.0	33.3	22.7	23.6	23.0	23.9	24.2
4H 2H	25.5	26.6	25.8	26.8	27.1	23.4	24.5	23.7	24.7	24.9
3H	28.3	29.2	28.6	29.5	29.8	25.7	26.7	26.1	27.0	27.3
4H	29.8	30.7	30.2	31.0	31.3	26.9	27.7	27.2	28.0	28.4
6H	31.4	32.2	31.8	32.5	32.9	27.0	27.8	27.4	28.1	28.5
8H	32.3	33.0	32.7	33.4	33.7	26.9	27.7	27.4	28.0	28.4
12H	33.4	34.0	33.8	34.4	34.8	26.9	27.6	27.3	28.0	28.4
8H 4H	30.5	31.3	30.9	31.6	32.0	28.5	29.3	28.9	29.6	30.0
6H	32.4	33.0	32.9	33.4	33.9	28.8	29.5	29.3	29.9	30.3
8H	33.5	34.0	33.9	34.4	34.9	28.8	29.3	29.2	29.8	30.2
12H	34.7	35.2	35.2	35.7	36.1	28.7	29.2	29.2	29.7	30.1
12H 4H	30.5	31.2	31.0	31.6	32.0	28.9	29.5	29.3	29.9	30.3
6H	32.5	33.0	32.9	33.4	33.9	29.2	29.8	29.7	30.2	30.6
8H	33.5	34.0	34.0	34.5	34.9	29.2	29.7	29.6	30.1	30.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.3 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.8 / - 1.0				

CIE Pub.117 Corrected 4982 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.6)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-26

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=1.1800]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	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	71	62	56	70	61	56	69	61	56	51
0.80	79	70	64	78	69	64	77	69	63	58
1.00	85	76	70	84	75	70	82	76	69	63
1.25	90	82	76	89	81	75	87	80	75	68
1.50	94	86	80	93	85	80	90	84	79	72
2.00	99	92	87	97	91	86	94	89	84	77
2.50	102	96	91	100	94	90	97	92	88	80
3.00	105	99	94	103	98	93	99	95	91	83
4.00	108	104	100	106	102	98	102	98	96	87
5.00	111	106	103	108	105	101	104	101	98	90
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:2019-07-26

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=1.1800]
 Remarks:

ISOCANDELA DIAGRAM

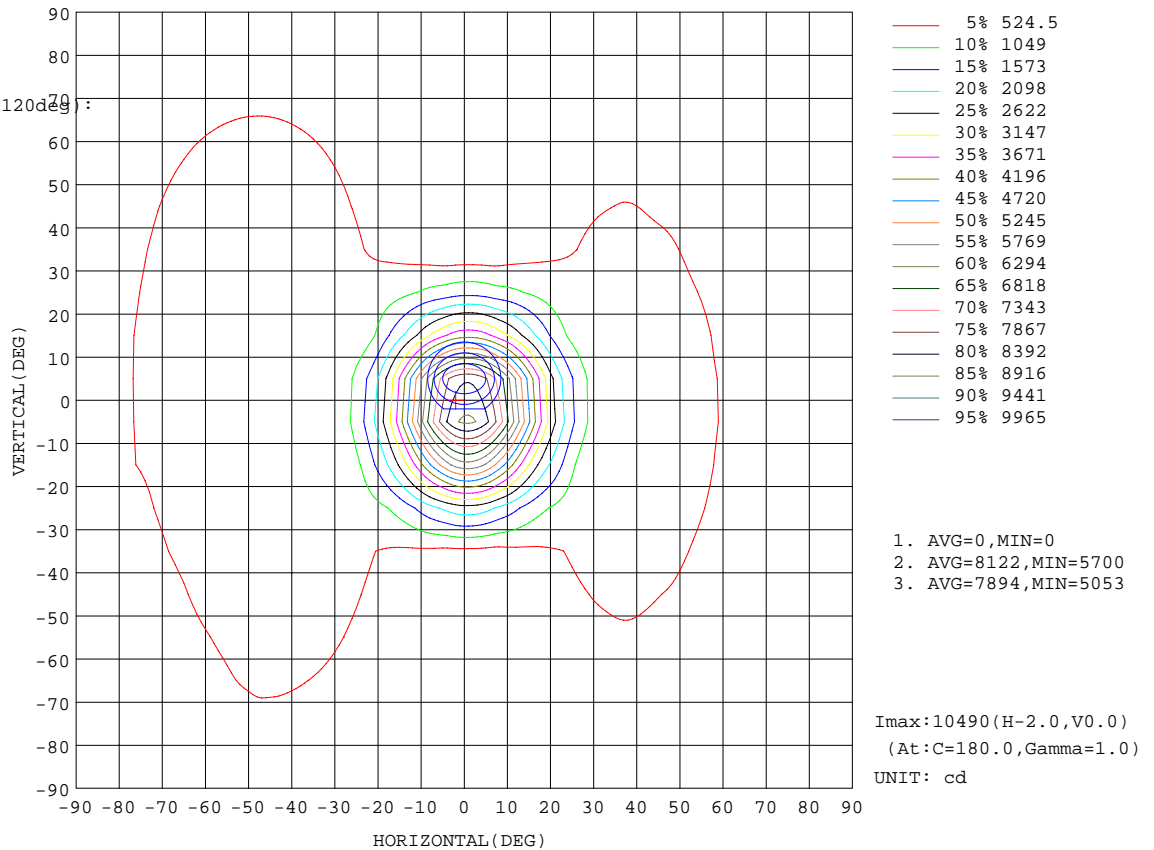
Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3444.3 lm
%lum = 69.1%
%lamp = 69.1%

Conical surface Flux(120deg):

4068 lm
%lum = 81.7%
%lamp = 81.7%

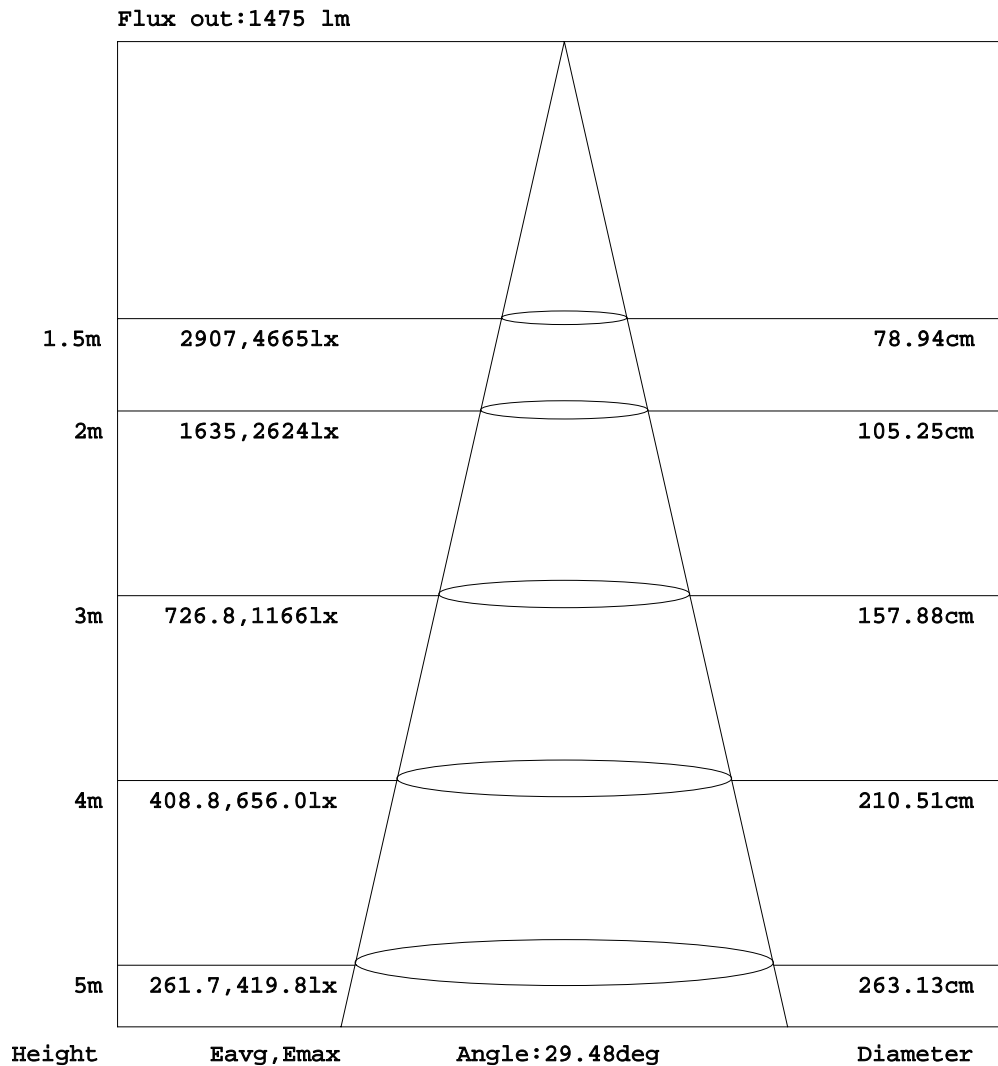


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-07-26

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=1.1800]
Remarks:

AAI Figure

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



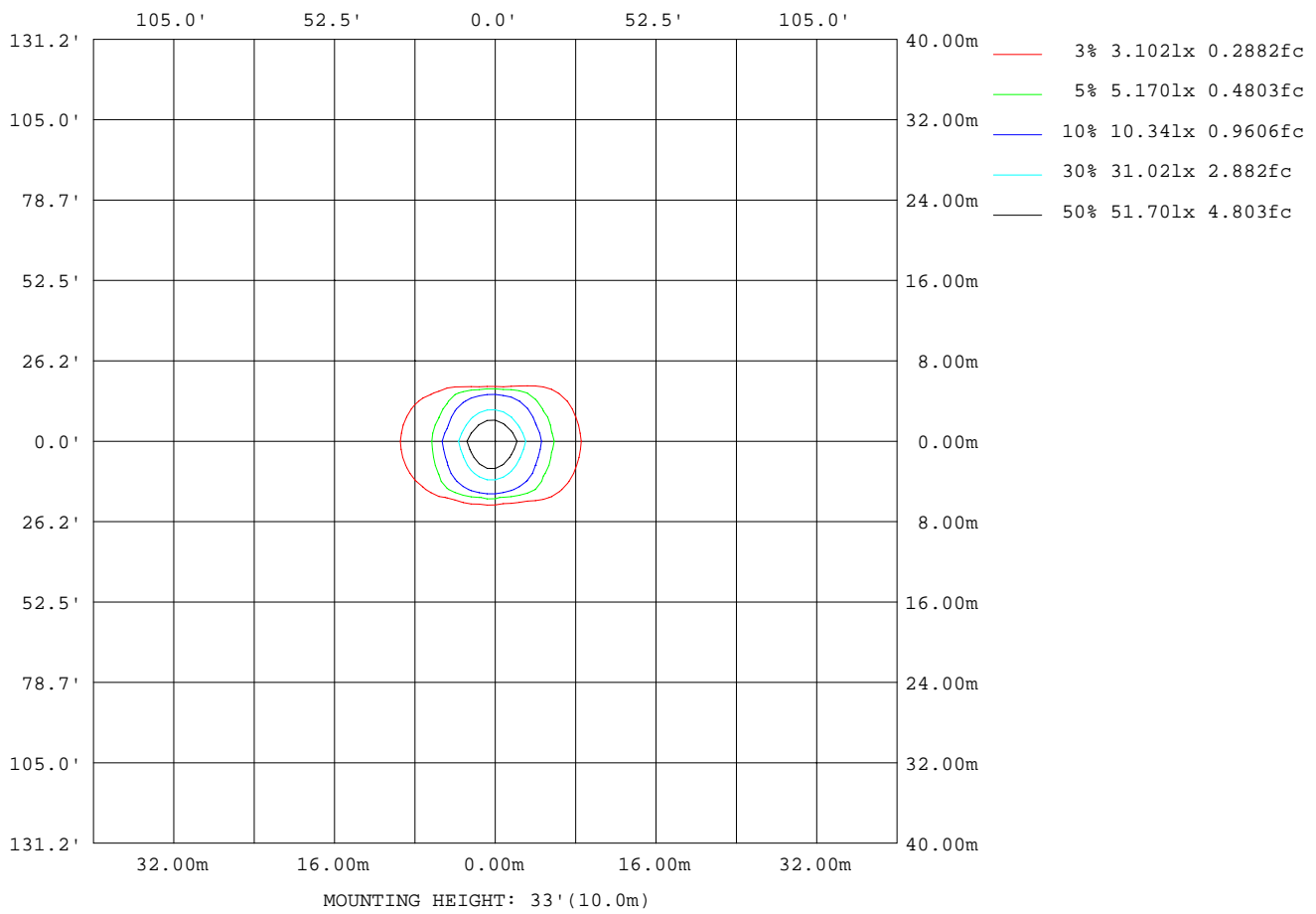
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-26

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=1.1800]
 Remarks:

ISOLUX DIAGRAM

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	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:2019-07-26

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=1.1800]
 Remarks:

LED Avg.L Report

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

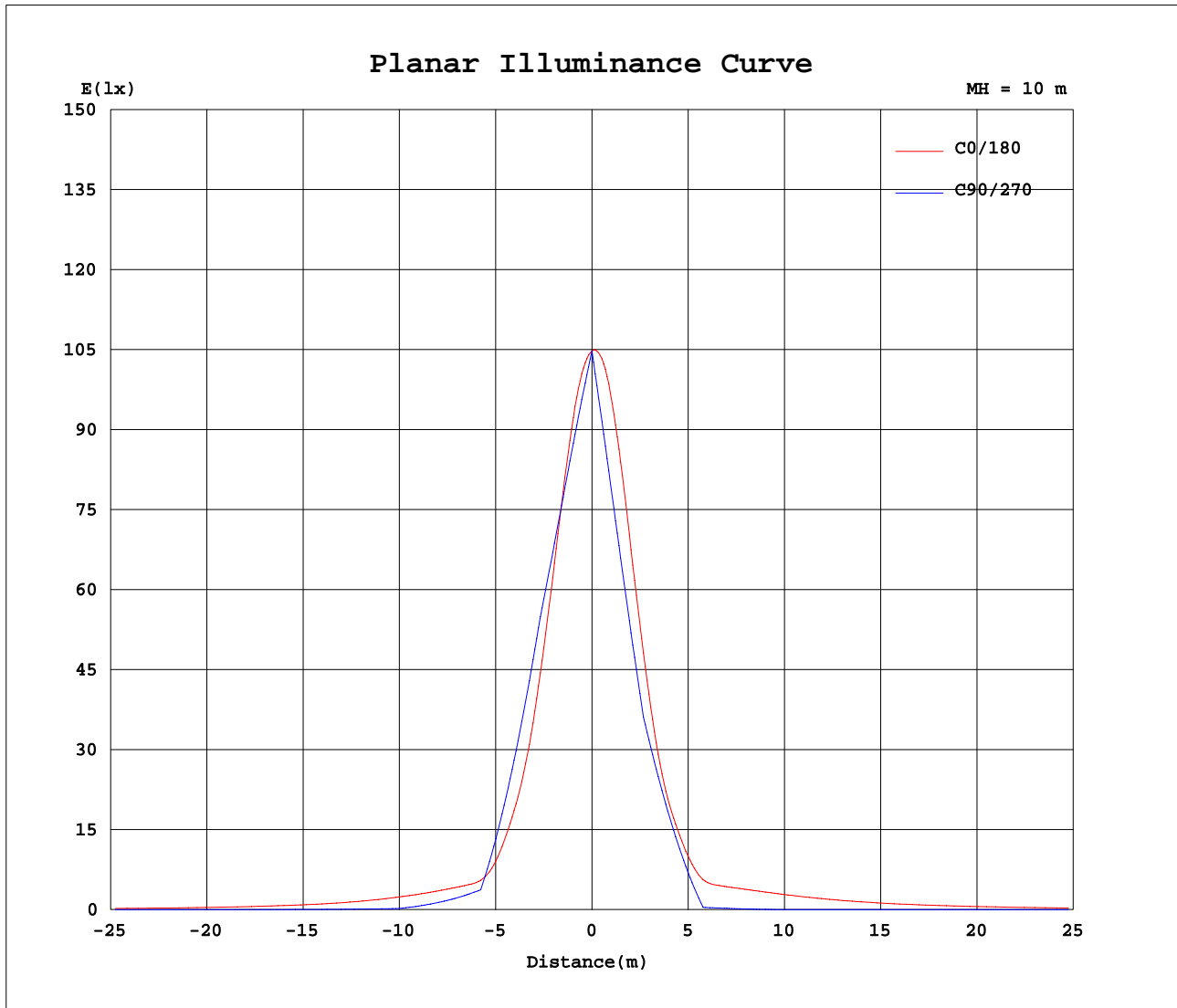
AvgL	cd/m2
L_0~180(65)av	59644
L_0~180(75)av	84139
L_0~180(85)av	217732
L_90~270(65)av	241
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	56357
L_45(75)av	81681
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-26

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=1.1800]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-07-26

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=1.1800]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	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	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048
5	954	943	933	924	916	910	905	901	898	895	894	894	894	894	895	896	898	899	902
10	738	721	707	697	690	686	684	686	688	692	698	706	715	723	731	739	746	751	755
15	492	475	464	456	452	453	457	463	473	485	500	514	529	545	562	578	592	602	609
20	289	279	272	270	270	273	278	286	296	309	323	339	355	369	382	396	409	419	425
25	159	151	148	147	149	155	164	174	181	187	193	201	209	217	222	225	232	238	242
30	84.9	83.6	83.2	82.9	82.8	83.5	86.4	94.8	106	112	113	109	104	96.8	87.2	73.7	63.0	59.0	57.7
35	76.9	76.1	75.4	74.9	74.3	73.2	71.3	70.0	70.5	71.2	67.2	54.5	49.1	46.2	44.3	41.3	37.0	39.5	40.6
40	72.7	72.0	71.6	71.5	71.2	70.1	68.6	66.9	64.8	61.9	57.8	52.9	47.8	42.7	38.0	32.6	25.2	23.4	23.5
45	67.6	66.9	66.7	67.0	66.4	65.8	65.2	64.2	62.4	60.4	57.3	52.6	46.9	40.8	33.8	25.3	15.0	7.70	6.42
50	61.2	60.8	60.9	61.0	61.0	61.0	60.9	60.6	59.8	57.9	55.5	51.6	46.2	39.9	32.5	23.9	14.3	5.62	4.50
55	55.1	54.9	55.4	55.4	55.6	56.1	56.2	56.3	56.3	55.4	53.3	50.5	45.9	39.5	31.8	23.3	14.0	4.07	2.59
60	50.8	50.2	50.1	50.4	51.0	51.2	51.9	52.2	52.3	52.4	51.2	48.5	44.8	38.9	30.8	22.2	13.3	2.91	0.67
65	46.1	46.5	46.5	46.2	46.8	47.4	47.7	48.5	49.0	48.8	48.5	46.5	43.3	38.3	30.4	22.0	13.4	3.33	0.45
70	43.6	43.1	43.1	42.9	43.3	43.8	44.6	45.0	45.8	45.8	45.8	44.5	41.7	37.5	30.1	21.9	13.3	3.63	0.22
75	40.5	40.2	39.1	36.9	38.1	39.2	41.4	42.3	42.8	43.0	43.1	42.1	39.9	36.2	29.4	21.5	13.1	3.78	0.00
80	38.4	34.1	31.9	33.0	33.3	34.5	36.6	39.3	40.3	32.4	24.5	17.6	11.8	7.30	3.73	1.51	0.40	0.03	0.00
85	36.3	29.8	31.0	31.4	27.5	10.9	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
90	33.6	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	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-26

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=1.1800]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	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	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048
5	963	947	933	920	908	897	887	878	870	862	855	850	844	840	837	834	832	830	830
10	746	726	709	695	682	671	662	654	647	642	638	633	629	625	622	619	616	614	613
15	489	473	461	451	444	439	435	432	428	423	418	413	411	408	405	403	401	399	398
20	277	269	263	260	258	256	254	250	251	256	261	263	265	268	270	270	269	267	264
25	151	143	138	135	135	137	145	150	153	155	155	153	148	143	141	140	138	138	138
30	83.9	82.7	80.5	75.8	72.7	76.3	83.1	89.2	90.4	85.2	76.1	63.3	47.5	30.1	15.9	9.51	6.79	9.87	16.4
35	76.6	75.3	73.7	71.6	68.7	65.5	63.3	61.0	56.3	44.1	36.2	28.8	21.0	13.1	5.64	4.77	4.53	5.08	7.48
40	78.7	77.6	76.1	73.7	70.9	67.7	63.7	58.8	53.0	46.4	39.3	31.4	23.1	14.5	5.71	2.41	2.26	2.59	7.76
45	79.0	78.2	76.5	74.4	72.0	69.1	65.3	60.7	55.3	48.9	41.5	33.4	24.7	15.5	6.15	0.05	0.00	0.06	8.23
50	77.3	76.5	75.0	73.5	71.5	68.8	65.5	61.3	56.3	50.3	43.1	35.0	26.2	16.9	7.53	0.02	0.00	0.21	9.73
55	73.6	72.7	71.7	70.7	69.1	66.9	64.4	60.8	56.2	50.8	44.1	36.3	27.5	18.1	8.68	0.18	0.00	0.72	10.9
60	69.0	68.3	67.7	66.6	65.4	63.9	61.8	59.0	55.1	50.3	44.3	36.8	28.1	18.7	9.51	0.71	0.00	1.60	11.6
65	64.1	63.7	63.1	62.4	61.5	60.2	58.5	56.2	53.0	48.9	43.6	36.6	28.3	19.1	10.0	1.13	0.00	2.67	12.5
70	59.4	59.0	58.6	58.1	57.4	56.4	55.0	53.1	50.4	46.8	42.0	35.6	27.9	19.3	10.3	1.44	0.00	3.58	13.1
75	54.8	54.5	54.2	53.8	53.4	52.7	51.7	50.1	47.7	44.4	39.8	34.2	27.1	19.1	10.4	1.64	0.00	4.36	13.5
80	50.4	50.2	50.1	50.0	49.7	49.2	48.3	37.9	27.1	18.6	11.8	6.88	3.44	1.34	0.32	0.01	0.00	0.03	0.42
85	46.5	46.6	40.7	16.1	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
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:2019-07-26

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=1.1800]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.5V I:0.2368A P:52.43W PF:0.9818 Lamp Flux:4982.09x1 lm		
NAME: GLM-TPN-50W 4000K	TYPE:	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	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048				
5	831	832	834	837	841	845	851	858	866	874	884	895	908	922	938				
10	612	612	612	613	613	615	619	625	632	639	649	661	676	693	714				
15	398	397	396	399	402	405	406	408	411	415	420	427	438	452	470				
20	259	255	254	251	246	240	238	241	241	242	243	247	253	261	273				
25	139	145	149	151	150	148	143	137	130	130	132	134	138	143	149				
30	31.7	49.7	65.0	77.0	84.8	88.1	87.3	83.6	79.2	76.5	78.1	80.5	81.6	82.4	83.3				
35	16.2	24.8	32.6	39.6	46.8	57.7	62.6	64.7	66.6	68.8	71.3	73.0	73.9	74.8	75.8				
40	17.5	26.3	34.5	41.5	47.8	53.5	58.0	61.5	64.3	66.6	68.4	69.7	70.4	70.9	71.7				
45	18.1	27.4	35.5	42.4	48.6	53.8	57.2	59.6	61.8	63.4	64.2	65.2	66.1	66.2	66.6				
50	19.3	28.4	36.1	42.7	48.4	52.5	55.2	57.4	58.4	58.8	59.3	59.7	59.9	60.0	60.3				
55	20.3	29.1	36.9	43.2	47.6	50.7	52.8	53.7	53.9	54.3	54.3	54.0	54.3	54.7	54.5				
60	20.7	29.3	37.2	42.5	46.1	48.7	49.6	49.8	50.0	49.7	49.2	49.6	49.4	49.4	49.9				
65	21.3	29.5	36.9	41.0	44.4	45.7	46.3	46.6	46.1	45.6	45.7	45.3	45.2	46.0	46.2				
70	21.6	29.5	35.8	39.3	42.7	43.2	43.7	43.1	42.9	42.7	42.1	41.9	42.4	42.5	42.8				
75	21.4	29.0	34.2	37.7	40.7	41.1	41.1	40.6	40.4	39.7	39.6	39.6	39.2	39.8	40.4				
80	1.50	3.68	6.84	11.2	17.1	23.4	31.3	38.3	37.8	37.6	37.2	37.0	37.2	37.2	37.7				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.0	30.6	35.0	34.9	35.4				
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:2019-07-26

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=1.1800]
 Remarks: