

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

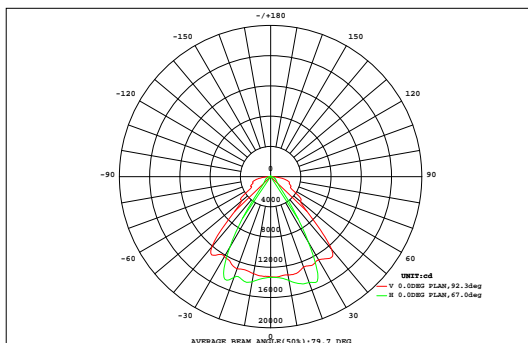
Maximum Intensity		627.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub>	91.7V x 165.0H
	At 50% of I <sub>max</sub>	67.0V x 92.3H
	At 90% of I <sub>max</sub>	57.0V x 81.0H
Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I <sub>max</sub>	908.6 lumens per klm.
	To 50% of I <sub>max</sub>	662.4 lumens per klm.
	To 90% of I <sub>max</sub>	250.7 lumens per klm.
	Upward LOR	1.1 %
	Downward LOR	98.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-09-04

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:11.750m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Longer Lighting Co.,Ltd	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:133.79lm/W	
MODEL	LG07B-M3-180	Imax(cd)	15418
NOMINAL POWER(W)	183.752	AVAILABILITY(%)	90.7
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	22286
NOMINAL FLUX(lm)	24583.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	24584
TEST VOLTAGE(V)	230.189	θ @50%(H,V)	92,67DEG

VERTICAL( DEG )	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.07	0.52	0.94	1.10	1.80	2.50	3.15	3.75	4.13	4.22	4.01	3.53	2.87	2.12	1.35	1.12	0.63	0.09	37.9	0.00
90	0.32	2.51	4.27	4.92	7.68	10.4	12.4	13.7	13.9	14.1	14.1	13.1	11.1	8.27	5.35	4.59	2.67	0.38	144	0.00
80	0.73	5.13	8.75	9.23	13.3	16.9	19.1	20.6	20.9	20.9	20.6	19.2	17.2	13.7	9.60	9.16	5.36	0.79	231	0.00
70	1.19	7.74	13.2	14.0	19.7	25.7	26.9	28.9	29.3	29.0	28.3	26.3	25.3	19.6	14.3	13.7	8.07	1.25	332	0.00
60	1.64	10.2	17.4	21.4	32.6	45.0	49.1	55.1	51.6	49.8	50.6	45.7	44.4	32.1	21.3	18.1	10.6	1.71	558	314
50	2.05	12.5	21.7	32.2	54.9	80.2	114	155	171	169	148	108	79.5	55.0	32.2	22.3	12.9	2.13	1273	1255
40	2.41	14.4	26.3	45.6	82.2	138	252	347	409	416	359	250	139	83.6	46.1	26.9	15.0	2.50	2654	2648
30	2.69	16.1	30.6	60.1	116	236	372	416	438	443	433	381	239	118	61.0	31.4	16.8	2.79	3413	3408
20	2.89	17.6	34.5	71.7	156	297	363	385	406	412	402	371	307	160	73.0	35.5	18.3	2.99	3515	3511
10	2.89	17.6	34.4	71.4	155	292	363	394	415	409	394	367	311	161	73.4	35.6	18.3	2.99	3518	3513
0	2.69	16.1	30.4	59.4	113	224	364	415	429	430	415	382	247	120	62.0	31.7	16.8	2.79	3361	3356
-10	2.40	14.4	26.1	44.4	79.9	128	237	343	406	415	365	268	144	86.1	47.6	27.3	15.0	2.50	2651	2644
-20	2.05	12.4	21.5	30.9	52.5	75.6	106	150	182	189	169	123	84.6	58.4	34.0	22.7	12.9	2.13	1328	1310
-30	1.64	10.1	17.2	20.5	30.4	42.3	44.8	51.1	50.3	53.5	58.5	51.7	47.4	34.9	22.7	18.3	10.6	1.71	567	326
-40	1.19	7.65	13.0	13.6	18.7	24.0	24.9	27.2	28.4	29.1	28.9	26.9	26.6	20.8	14.8	13.8	8.07	1.25	329	0.00
-50	0.73	5.06	8.45	8.77	12.9	16.4	18.4	19.8	20.3	20.5	20.4	19.1	17.3	13.9	9.77	9.20	5.35	0.79	227	0.00
-60	0.32	2.50	4.10	4.51	7.28	10.1	12.2	13.3	13.5	13.6	13.5	12.6	10.7	8.08	5.29	4.56	2.65	0.38	139	0.00
-70	0.07	0.51	0.94	1.08	1.75	2.46	3.12	3.68	4.03	4.08	3.84	3.35	2.74	2.04	1.30	1.10	0.63	0.09	36.8	0.00
-80																				
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL( DEG )	20	30	40	50	60	70	80	90			
Φ t	28.0	173	314	515	955	1666	2384	2841	3092	3123	2928	2472	1757	997	535	327	181	29.3	24317	---
Φ a	1.77	111	222	410	837	1535	2233	2681	2920	2952	2766	2319	1625	879	430	238	121	2.64	---	22286

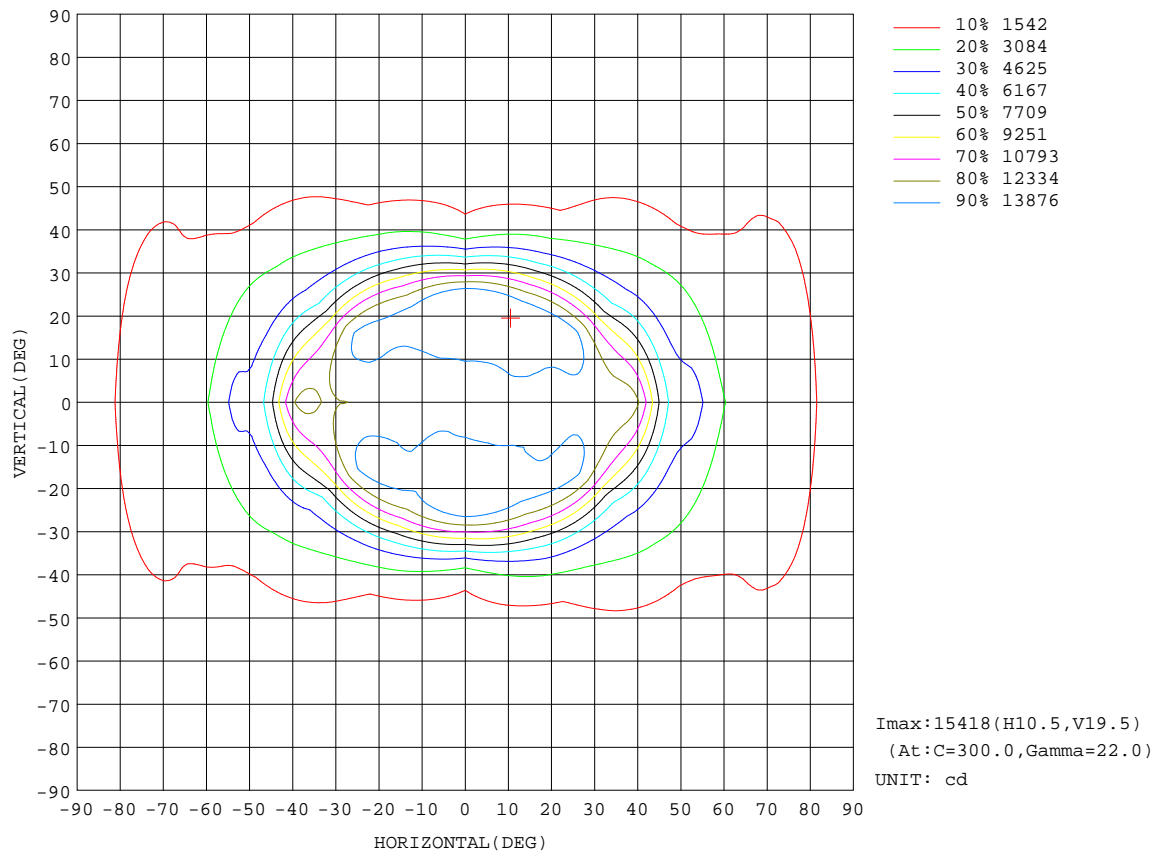
one-half-peak spread: U:11.0,D:10.1 , L:9.1,R:9.NEMA Beam Type: Type 7 x 5 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-09-04

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:11.750m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Longer Lighting Co.,Ltd	SUR.:	Shielding Angle:

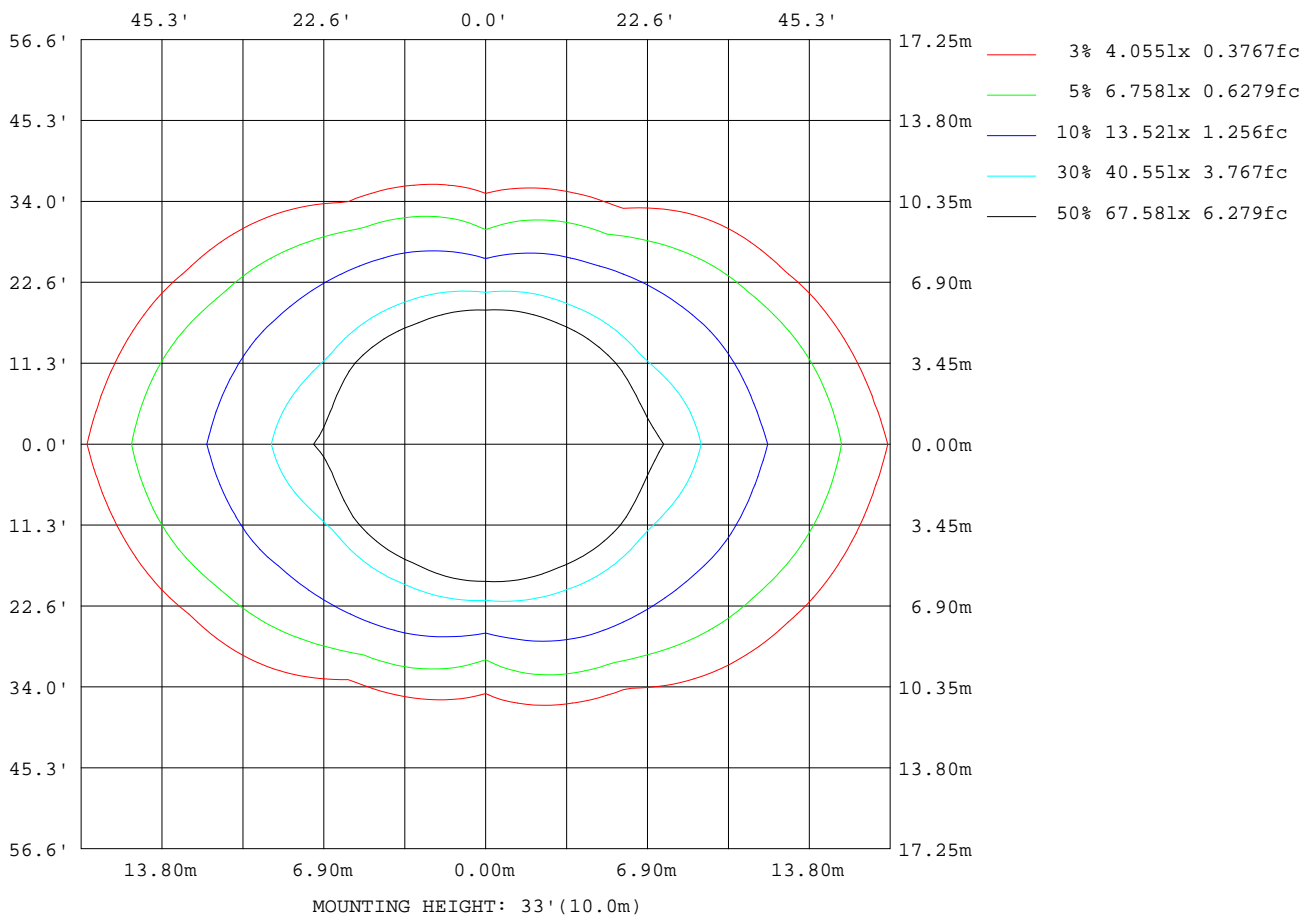


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-09-04

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:11.750m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

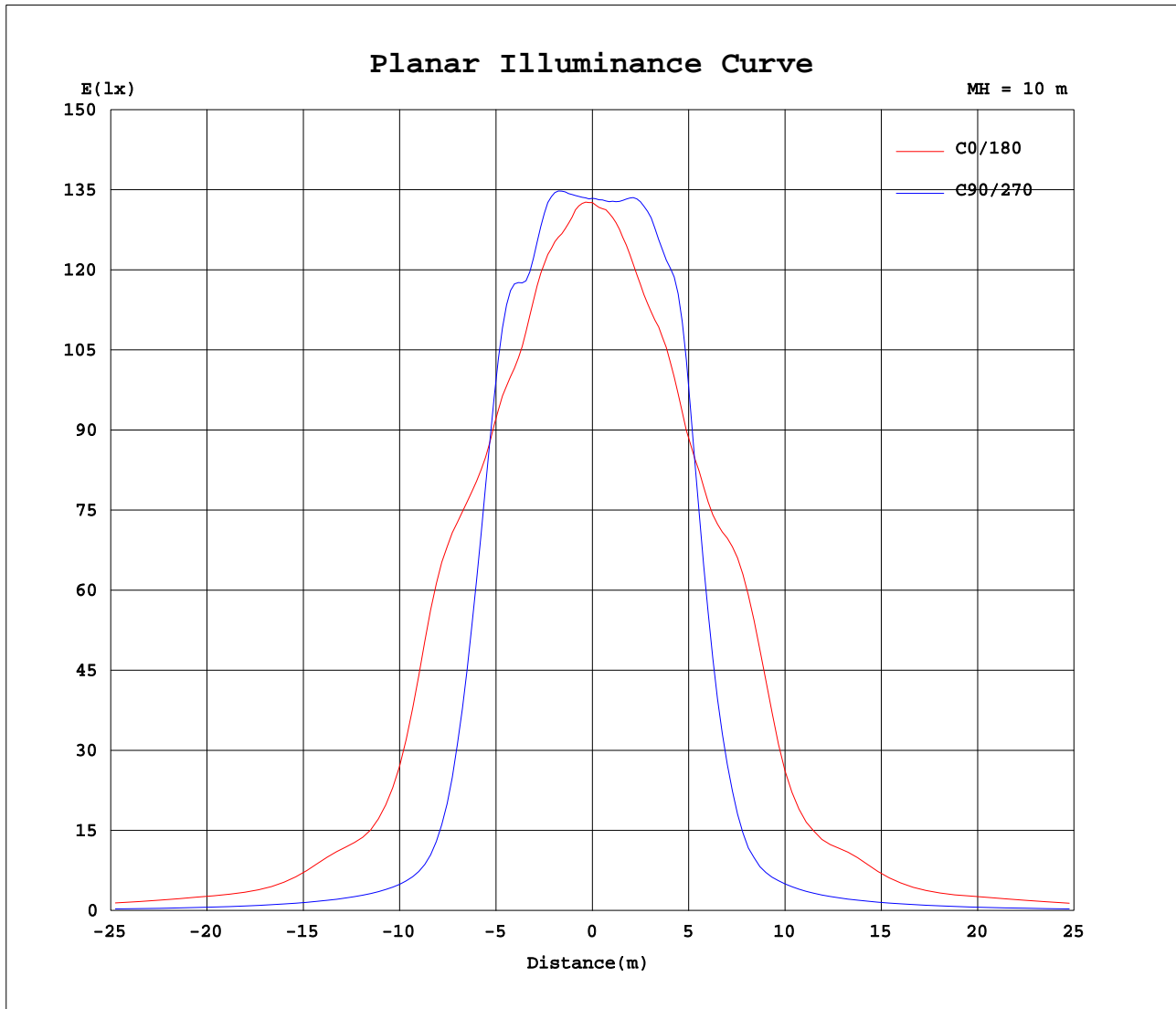
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Longer Lighting Co.,Ltd	SUR.:	Shielding Angle:



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-09-04

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:11.750m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

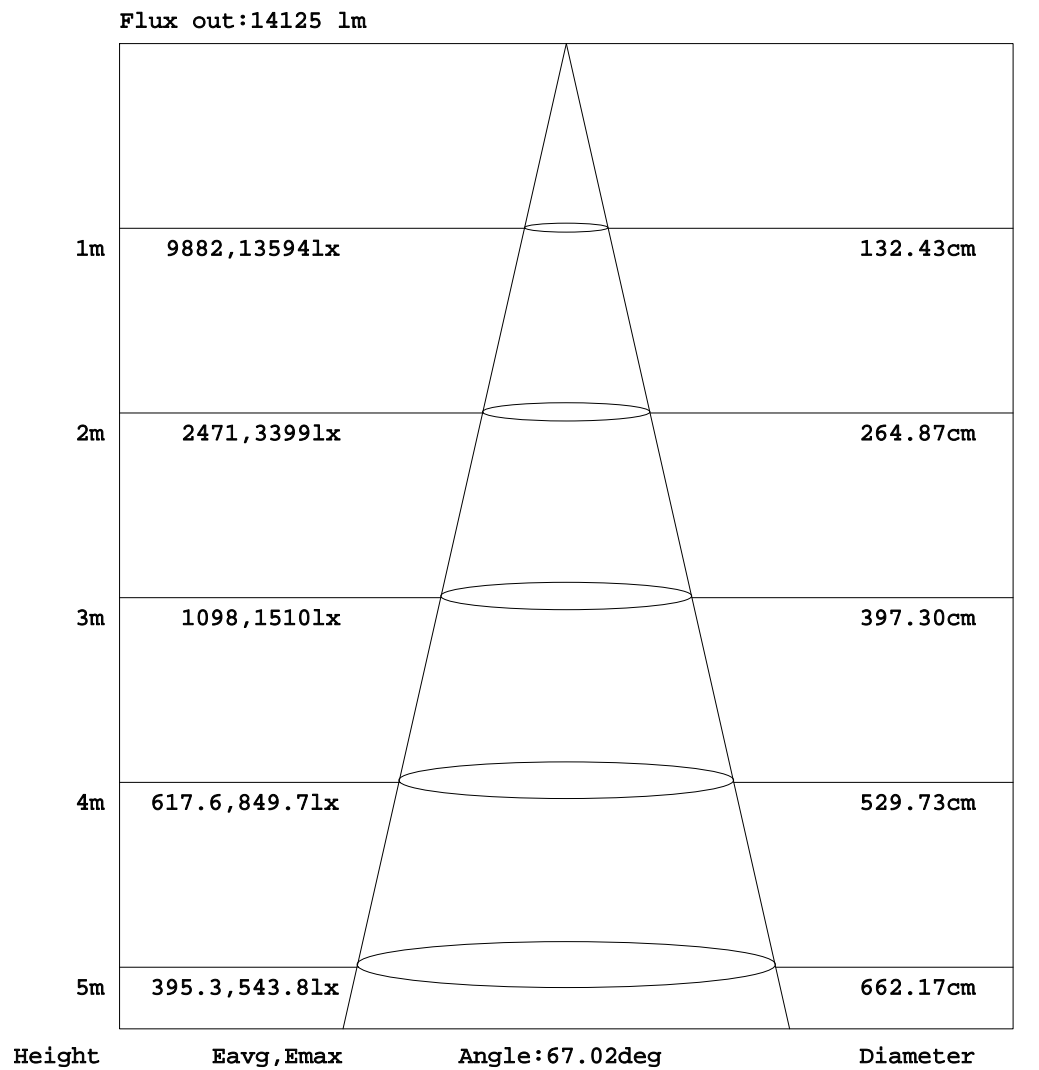


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-09-04

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:11.750m [K=1.0000]  
Remarks:

### AAI Figure

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Longer Lighting Co.,Ltd	SUR.:	Shielding Angle:



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

H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-09-04

V(B) Range: -180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 11.750m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Longer Lighting Co.,Ltd	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	1.12	1.01	1.34	1.82	2.40	3.07	3.84	4.67	5.51	6.32	7.09	7.83	8.60	9.46	10.4	11.3	12.1	12.8	12.8
-170	1.12	1.01	1.33	1.80	2.39	3.07	3.84	4.69	5.56	6.40	7.20	7.95	8.69	9.47	10.3	11.2	11.8	12.3	12.4
-160	1.12	0.99	1.30	1.74	2.29	2.94	3.68	4.49	5.34	6.18	6.97	7.72	8.39	8.90	9.40	9.84	10.2	10.5	10.6
-150	1.12	0.98	1.25	1.63	2.12	2.70	3.36	4.09	4.86	5.65	6.38	6.92	7.41	7.86	8.25	8.57	8.81	8.95	8.98
-140	1.12	0.95	1.18	1.49	1.89	2.37	2.92	3.53	4.17	4.72	5.19	5.63	6.03	6.38	6.68	6.96	7.16	7.26	7.27
-130	1.12	0.92	1.10	1.34	1.63	1.99	2.39	2.85	3.23	3.53	3.83	4.11	4.37	4.60	4.83	5.02	5.15	5.20	5.18
-120	1.12	0.88	1.02	1.18	1.37	1.60	1.86	2.11	2.26	2.39	2.51	2.61	2.70	2.79	2.93	3.03	3.08	3.08	3.03
-110	1.12	0.85	0.93	1.03	1.14	1.26	1.40	1.47	1.50	1.50	1.50	1.48	1.44	1.45	1.48	1.49	1.49	1.47	1.43
-100	1.12	0.85	0.85	0.89	0.94	0.99	1.05	1.03	0.99	0.95	0.90	0.84	0.78	0.77	0.76	0.74	0.72	0.69	0.66
-90	1.12	1.11	1.09	1.08	1.07	1.06	1.04	0.99	0.93	0.87	0.81	0.75	0.69	0.67	0.64	0.61	0.59	0.56	0.53
-80	1.12	3.09	10.1	17.0	20.1	18.3	11.4	12.9	15.6	18.1	20.1	21.7	23.5	25.5	27.1	28.3	29.1	29.6	29.6
-70	1.12	11.6	33.4	47.9	53.3	50.9	38.8	37.8	43.3	48.3	52.2	55.0	56.4	56.7	56.8	56.7	56.2	55.5	54.4
-60	1.12	23.7	59.1	81.9	89.7	85.0	71.3	59.3	66.7	72.2	76.3	78.3	77.7	75.8	76.9	78.1	78.8	78.9	78.5
-50	1.12	37.0	84.7	114	125	121	105	92.4	93.7	106	118	125	122	108	108	113	115	114	109
-40	1.12	49.5	109	143	159	148	145	143	153	185	214	229	233	240	255	278	281	267	233
-30	1.12	60.4	130	172	186	181	192	202	260	309	345	383	450	562	702	832	969	1057	1085
-20	1.12	69.3	148	198	206	223	226	289	380	422	542	667	881	1176	1346	1394	1408	1420	1417
-10	1.12	75.7	163	221	227	261	267	385	446	582	897	1073	1229	1387	1418	1385	1394	1421	1411
0	1.12	79.2	173	240	248	294	302	458	501	739	1209	1269	1223	1255	1294	1280	1305	1321	1326
10	1.12	75.7	163	221	227	262	269	388	449	589	916	1111	1265	1388	1385	1334	1360	1385	1395
20	1.12	69.3	149	199	206	224	230	295	385	432	566	724	962	1231	1360	1418	1477	1485	1492
30	1.12	60.4	131	173	186	182	196	210	270	317	360	409	488	611	742	852	941	998	999
40	1.12	49.5	110	144	160	150	148	149	164	198	223	241	251	262	276	294	289	265	221
50	1.12	37.0	85.2	115	126	123	107	95.3	99.0	113	128	135	131	118	118	123	122	118	110
60	1.12	23.7	59.2	82.9	91.6	87.3	73.7	61.7	68.8	74.9	79.2	81.6	81.6	80.1	81.5	82.3	82.3	81.6	80.2
70	1.12	11.6	33.4	48.1	54.7	52.7	41.9	40.7	45.7	50.0	53.8	56.3	57.6	58.1	58.4	58.3	57.9	57.1	55.9
80	1.12	3.09	10.1	17.0	20.1	18.4	11.7	14.1	17.1	19.5	21.3	22.7	24.3	26.5	28.6	30.1	31.0	31.5	31.5
90	1.12	1.11	1.11	1.10	1.09	1.08	1.08	1.04	1.01	0.97	0.94	0.90	0.87	0.79	0.71	0.63	0.55	0.47	0.39
100	1.12	0.83	0.78	0.78	0.79	0.79	0.79	0.77	0.73	0.70	0.65	0.60	0.54	0.53	0.52	0.51	0.49	0.47	0.45
110	1.12	0.81	0.86	0.91	0.96	1.01	1.07	1.09	1.09	1.08	1.06	1.02	0.96	0.94	0.94	0.93	0.90	0.87	0.82
120	1.12	0.85	0.94	1.05	1.17	1.29	1.43	1.55	1.64	1.72	1.77	1.80	1.81	1.83	1.91	1.97	1.99	1.97	1.91
130	1.12	0.89	1.03	1.20	1.41	1.64	1.89	2.18	2.44	2.66	2.86	3.05	3.22	3.36	3.53	3.67	3.74	3.76	3.70
140	1.12	0.92	1.11	1.36	1.66	2.01	2.42	2.86	3.33	3.75	4.13	4.48	4.79	5.03	5.23	5.46	5.61	5.68	5.66
150	1.12	0.95	1.19	1.52	1.92	2.39	2.92	3.51	4.13	4.75	5.32	5.77	6.17	6.51	6.78	7.00	7.21	7.32	7.31
160	1.12	0.98	1.26	1.65	2.14	2.71	3.36	4.07	4.80	5.52	6.17	6.75	7.28	7.73	8.15	8.50	8.76	9.02	9.07
170	1.12	1.00	1.31	1.76	2.31	2.95	3.67	4.46	5.27	6.05	6.77	7.44	8.09	8.78	9.54	10.4	10.9	11.4	11.4
180	1.12	1.01	1.34	1.82	2.40	3.07	3.84	4.67	5.51	6.32	7.09	7.83	8.60	9.46	10.4	11.3	12.1	12.8	12.8

H(β) Range:-90 - 90DEG

H(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2018-09-04

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295

Humidity:65.0%

Test Distance:11.750m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Longer Lighting Co.,Ltd	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

H(°) \ V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	13.0	12.5	11.8	10.9	10.0	9.21	8.46	7.72	6.95	6.12	5.24	4.37	3.54	2.83	2.18	1.63	1.21	1.33	
-170	12.3	11.9	11.4	10.7	9.88	9.12	8.37	7.62	6.84	6.01	5.13	4.27	3.47	2.76	2.13	1.61	1.20	1.33	
-160	10.6	10.4	10.1	9.69	9.17	8.59	7.92	7.20	6.44	5.63	4.80	4.01	3.27	2.61	2.03	1.55	1.19	1.33	
-150	9.02	8.94	8.74	8.40	7.98	7.50	6.99	6.43	5.74	5.01	4.29	3.60	2.96	2.39	1.89	1.47	1.16	1.33	
-140	7.28	7.19	7.00	6.71	6.41	6.06	5.65	5.21	4.74	4.23	3.64	3.08	2.57	2.11	1.71	1.38	1.12	1.33	
-130	5.20	5.15	5.02	4.84	4.61	4.38	4.13	3.85	3.56	3.26	2.90	2.50	2.13	1.80	1.52	1.28	1.08	1.33	
-120	3.08	3.09	3.04	2.95	2.83	2.73	2.65	2.54	2.42	2.29	2.14	1.92	1.70	1.50	1.32	1.17	1.04	1.33	
-110	1.48	1.51	1.51	1.51	1.48	1.47	1.51	1.53	1.53	1.52	1.49	1.43	1.33	1.24	1.15	1.07	1.00	1.33	
-100	0.69	0.72	0.75	0.77	0.78	0.80	0.86	0.92	0.96	1.01	1.04	1.06	1.04	1.02	0.99	0.98	1.03	1.33	
-90	0.63	0.73	0.84	0.94	1.04	1.14	1.23	1.33	1.42	1.52	1.61	1.71	1.65	1.58	1.52	1.46	1.40	1.33	
-80	30.0	30.0	29.5	28.5	26.8	25.3	24.3	22.9	21.3	19.0	15.9	13.3	19.8	21.5	19.0	12.9	4.00	1.33	
-70	55.9	57.0	57.7	58.1	58.2	58.1	57.5	55.6	52.4	48.2	43.3	44.4	55.4	57.8	50.0	35.0	14.7	1.33	
-60	80.0	80.9	81.1	80.7	80.0	82.9	84.1	82.2	78.2	72.3	65.2	77.4	91.4	95.7	86.5	61.1	26.6	1.33	
-50	118	124	125	122	120	135	140	135	121	106	101	113	128	131	120	88.3	38.6	1.33	
-40	285	315	323	306	279	265	255	238	211	176	158	154	158	165	150	114	51.2	1.33	
-30	1084	1028	925	802	655	516	428	381	337	284	222	203	190	195	179	136	62.3	1.33	
-20	1447	1470	1434	1406	1291	1030	752	584	452	398	307	241	229	218	203	154	71.3	1.33	
-10	1393	1387	1375	1354	1421	1323	1166	946	612	466	398	281	266	240	227	169	77.8	1.33	
0	1328	1321	1325	1273	1295	1271	1323	1253	765	517	466	312	297	263	247	180	81.4	1.33	
10	1396	1415	1429	1417	1444	1297	1134	940	608	461	395	278	265	240	227	169	77.8	1.33	
20	1510	1539	1483	1413	1239	954	728	578	441	389	299	236	227	217	203	154	71.3	1.33	
30	1010	955	846	717	587	480	411	364	322	271	212	197	188	194	179	136	62.3	1.33	
40	256	270	269	248	243	241	238	224	195	162	148	150	157	165	150	114	51.3	1.33	
50	115	117	116	112	114	129	132	125	111	97.4	96.3	111	127	131	120	88.3	38.6	1.33	
60	81.3	81.8	81.5	80.6	79.3	80.8	81.3	79.5	75.9	70.4	63.8	76.1	90.7	95.7	86.4	61.3	26.6	1.33	
70	57.3	58.4	59.1	59.5	59.6	59.4	58.3	55.9	52.5	48.0	43.1	44.3	55.7	57.7	50.2	35.1	14.8	1.33	
80	32.1	32.3	32.0	31.1	29.7	27.7	25.5	23.7	21.8	19.5	16.5	13.7	20.1	21.7	19.1	12.9	4.01	1.33	
90	0.49	0.59	0.68	0.78	0.88	0.97	1.07	1.16	1.26	1.35	1.45	1.54	1.51	1.47	1.44	1.40	1.37	1.33	
100	0.46	0.48	0.49	0.49	0.50	0.51	0.55	0.60	0.63	0.67	0.69	0.71	0.76	0.80	0.84	0.88	0.98	1.33	
110	0.85	0.88	0.89	0.89	0.88	0.89	0.94	0.97	0.99	0.99	0.99	0.98	0.99	0.99	0.98	0.96	0.95	1.33	
120	1.94	1.93	1.88	1.81	1.71	1.69	1.68	1.65	1.59	1.51	1.42	1.36	1.30	1.23	1.15	1.07	0.99	1.33	
130	3.73	3.68	3.57	3.40	3.19	3.05	2.89	2.71	2.51	2.28	2.05	1.86	1.68	1.51	1.34	1.18	1.04	1.33	
140	5.67	5.59	5.41	5.14	4.93	4.66	4.34	3.97	3.59	3.21	2.82	2.45	2.11	1.81	1.54	1.29	1.09	1.33	
150	7.36	7.28	7.07	6.82	6.51	6.12	5.68	5.19	4.68	4.15	3.60	3.06	2.56	2.13	1.74	1.40	1.13	1.33	
160	9.10	8.92	8.66	8.31	7.85	7.32	6.83	6.28	5.67	5.00	4.30	3.61	2.98	2.42	1.92	1.50	1.17	1.33	
170	11.3	10.8	10.3	9.68	9.08	8.44	7.79	7.14	6.43	5.67	4.86	4.06	3.32	2.66	2.07	1.58	1.19	1.33	
180	13.0	12.5	11.8	10.9	10.0	9.21	8.46	7.72	6.95	6.12	5.24	4.37	3.54	2.83	2.18	1.63	1.21	1.33	

H(β) Range:-90 - 90DEG

H(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2018-09-04

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295

Humidity:65.0%

Test Distance:11.750m [K=1.0000]

Remarks: