

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

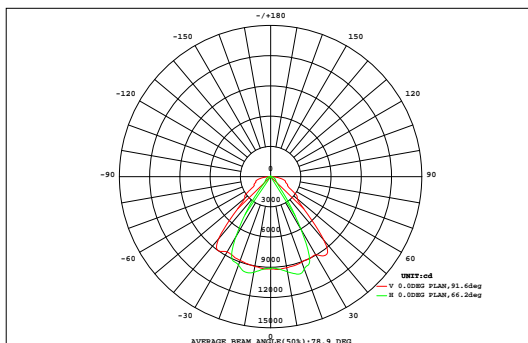
Maximum Intensity		621.9 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub>	90.9V x 162.3H
	At 50% of I <sub>max</sub>	66.2V x 91.6H
	At 90% of I <sub>max</sub>	54.7V x 79.3H
Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I <sub>max</sub>	907.3 lumens per klm.
	To 50% of I <sub>max</sub>	665.2 lumens per klm.
	To 90% of I <sub>max</sub>	349.1 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:133.39lm/W	
MODEL	LG07B-M2-120	Imax(cd)	10127
NOMINAL POWER(W)	122.082	AVAILABILITY(%)	90.5
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	14745
NOMINAL FLUX(lm)	16284.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	16284
TEST VOLTAGE(V)	230.307	θ @50%(H,V)	92,66DEG

		AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
		0.06	0.37	0.69	0.89	1.40	1.88	2.31	2.69	2.91	2.93	2.73	2.37	1.91	1.38	0.89	0.69	0.36	0.06	26.5	0.00
VERTICAL (DEG)	90	0.21	1.60	2.89	3.61	5.45	7.09	8.35	9.17	9.40	9.46	9.37	8.68	7.19	5.19	3.20	2.62	1.51	0.20	95.2	0.00
	80	0.46	3.23	5.77	6.62	9.36	11.7	13.1	14.1	14.1	13.8	13.4	12.3	10.9	8.71	5.99	5.31	3.00	0.43	152	0.00
	70	0.74	4.83	8.64	9.93	14.0	18.0	19.0	20.0	19.7	18.9	18.2	16.7	15.7	12.1	8.82	8.11	4.55	0.69	219	0.00
	60	1.01	6.34	11.4	14.8	22.3	30.7	33.9	36.7	33.7	31.0	30.1	27.6	26.8	19.2	13.0	10.8	6.03	0.95	356	188
	50	1.26	7.74	14.1	21.5	36.7	54.5	75.2	99.5	107	101	83.4	62.2	48.3	32.8	19.9	13.5	7.43	1.18	787	766
	40	1.47	8.97	16.9	30.0	55.3	94.0	166	223	258	258	218	146	84.2	52.2	28.8	16.5	8.69	1.39	1668	1662
	30	1.64	10.0	19.6	39.4	77.7	160	247	282	298	301	289	243	151	75.8	38.9	19.4	9.77	1.55	2264	2259
	20	1.75	10.9	21.9	46.9	104	206	248	268	280	281	275	255	209	104	47.4	22.1	10.7	1.67	2393	2389
	10	1.75	10.9	21.8	46.6	103	201	247	270	281	284	274	255	216	105	48.0	22.3	10.7	1.67	2399	2396
	0	1.63	9.95	19.2	38.6	75.2	149	235	277	293	296	284	255	170	79.4	40.6	20.0	9.85	1.56	2254	2250
	-10	1.46	8.86	16.4	28.8	52.1	84.9	152	222	259	262	232	179	100	57.3	31.3	17.3	8.81	1.39	1714	1708
	-20	1.25	7.60	13.5	20.0	33.7	49.5	69.6	99.7	125	131	117	85.9	58.6	38.7	22.8	14.3	7.57	1.19	897	877
-30	1.00	6.18	10.8	13.1	19.8	27.2	29.3	34.1	35.0	38.6	43.5	39.6	33.2	23.9	15.7	11.6	6.18	0.95	390	250	
-40	0.73	4.67	8.10	8.65	12.0	15.6	16.3	17.9	18.8	20.3	21.3	20.0	19.0	15.0	10.6	8.70	4.69	0.69	223	0.00	
-50	0.46	3.10	5.24	5.67	8.33	10.5	11.9	13.0	13.5	14.0	14.1	13.3	12.1	9.82	6.96	5.78	3.10	0.43	151	0.00	
-60	0.20	1.56	2.57	2.89	4.71	6.53	7.94	8.73	8.95	9.04	8.97	8.30	7.16	5.57	3.73	2.87	1.53	0.20	91.5	0.00	
-70	0.06	0.35	0.65	0.78	1.21	1.67	2.10	2.48	2.72	2.76	2.60	2.28	1.90	1.46	0.95	0.72	0.37	0.06	25.1	0.00	
-80																					
-90																					
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)				20	30	40	50	60	70	80	90
Φ t	17.1	107	200	339	636	1129	1584	1899	2058	2074	1936	1634	1173	648	348	203	105	16.3	16105	---	
Φ a	0.00	62.8	138	269	557	1042	1485	1792	1945	1960	1829	1533	1086	568	277	141	59.1	0.00	---	14745	

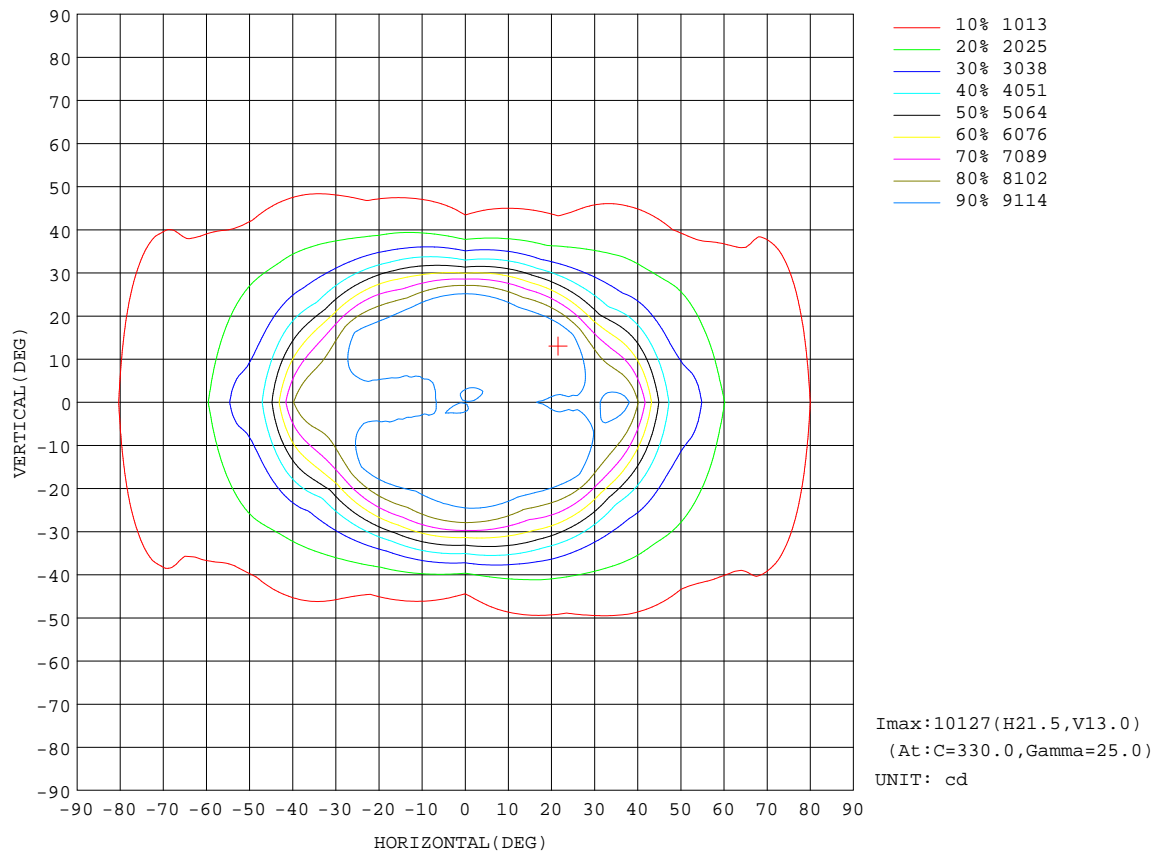
one-half-peak spread: U:20.2,D:15.2 , L:9.8,R:11NEMA Beam Type: Type 7 x 5 (H x V)

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:

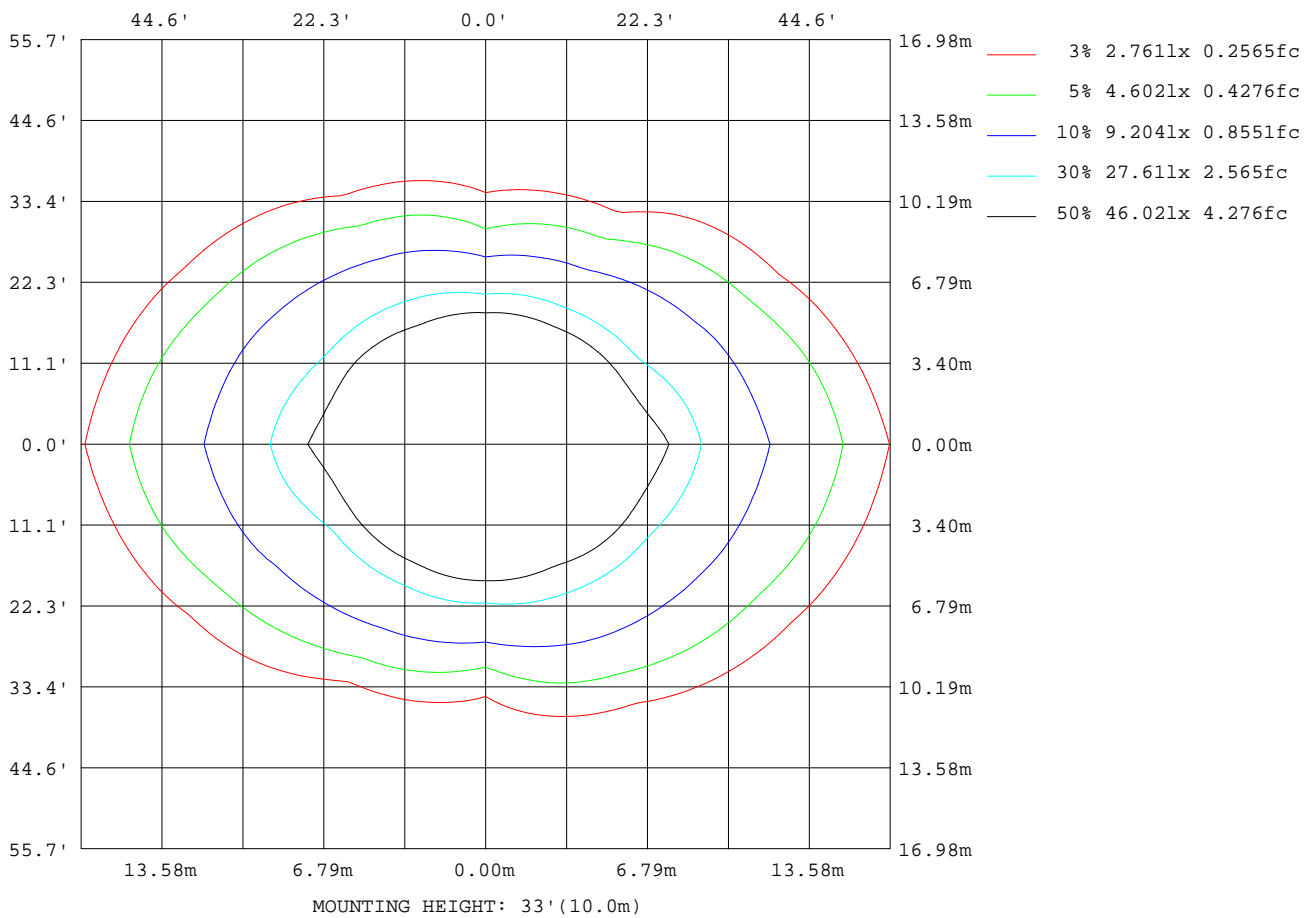


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-09-04

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

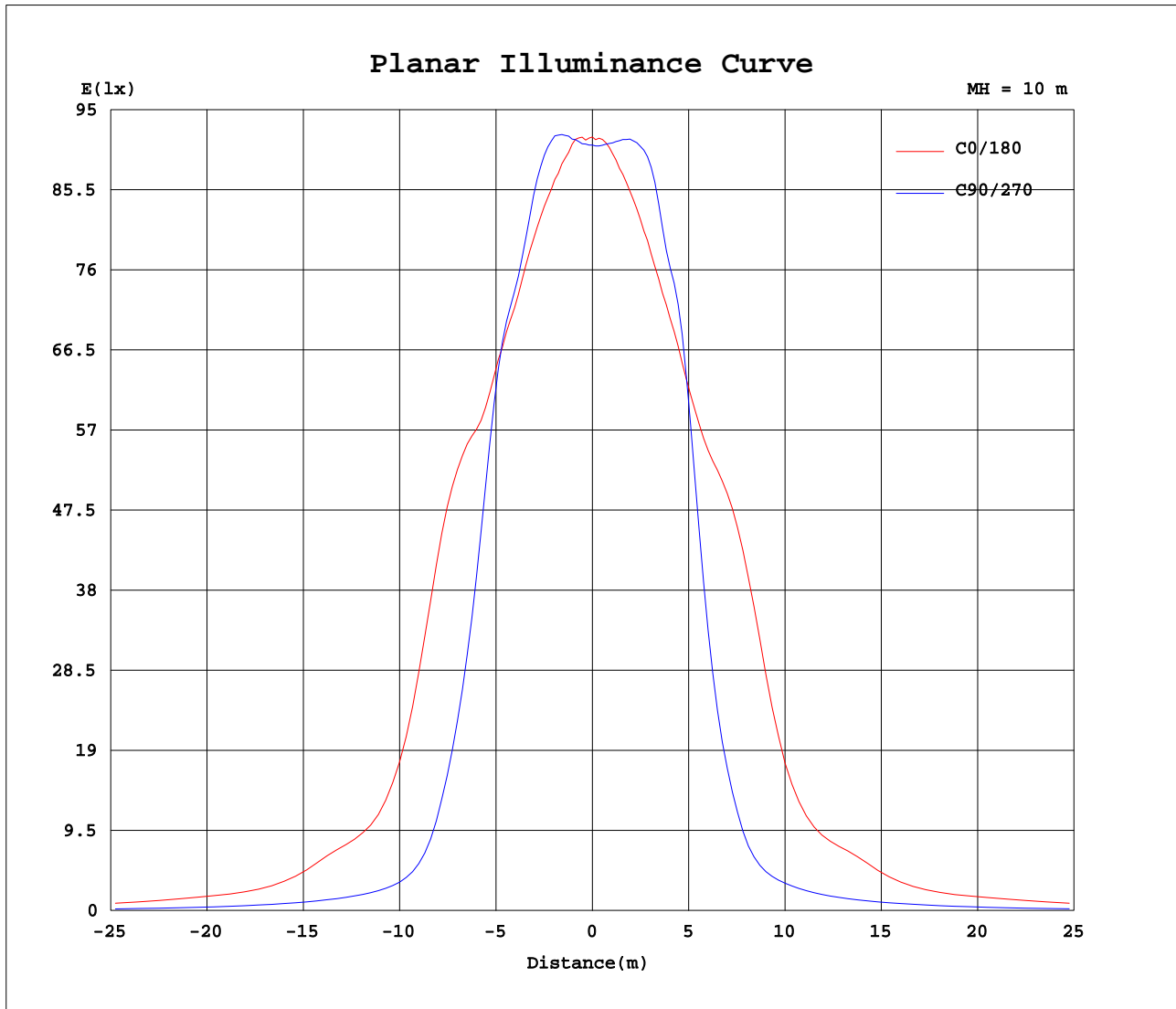
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Longer Lighting Co.,Ltd	SUR.:	Shielding Angle:



H( $\beta$ ) Range:-90 - 90DEG  
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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

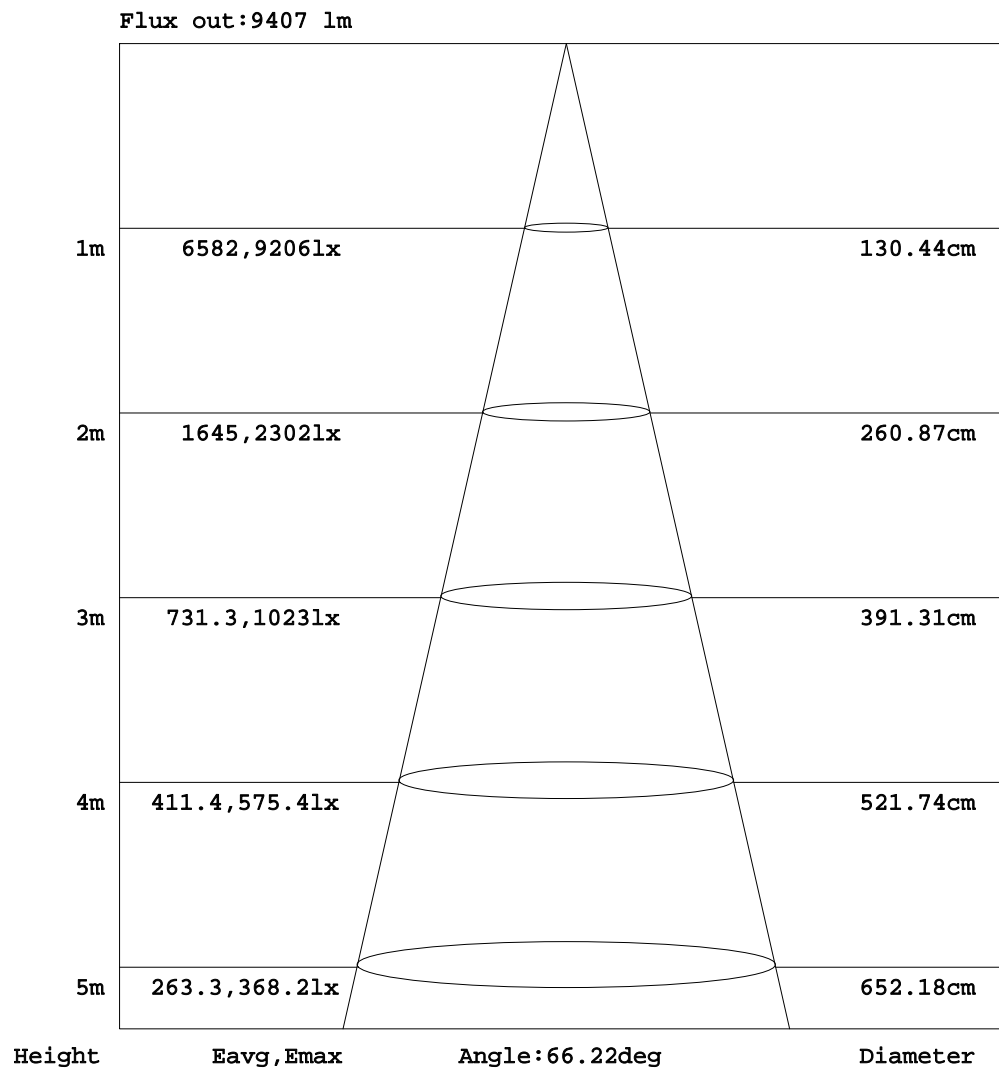


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-09-04

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	0.90	0.66	0.88	1.19	1.61	2.06	2.59	3.15	3.73	4.29	4.82	5.33	5.85	6.42	7.05	7.67	8.21	8.65	8.73
-170	0.90	0.65	0.87	1.17	1.58	2.03	2.55	3.12	3.70	4.28	4.83	5.34	5.83	6.32	6.87	7.43	7.87	8.18	8.33
-160	0.90	0.64	0.84	1.11	1.49	1.91	2.40	2.94	3.50	4.06	4.60	5.11	5.56	5.91	6.25	6.56	6.81	7.04	7.16
-150	0.90	0.63	0.80	1.04	1.35	1.73	2.15	2.63	3.13	3.64	4.12	4.50	4.84	5.15	5.42	5.65	5.86	5.99	6.05
-140	0.90	0.61	0.75	0.94	1.18	1.48	1.83	2.21	2.62	2.98	3.29	3.59	3.85	4.09	4.29	4.50	4.65	4.74	4.77
-130	0.90	0.59	0.70	0.84	1.01	1.21	1.46	1.73	1.97	2.18	2.36	2.54	2.71	2.85	3.02	3.16	3.26	3.31	3.30
-120	0.90	0.56	0.64	0.73	0.84	0.96	1.11	1.25	1.34	1.43	1.50	1.56	1.61	1.67	1.76	1.84	1.88	1.89	1.88
-110	0.90	0.54	0.58	0.64	0.69	0.76	0.82	0.86	0.88	0.88	0.88	0.87	0.84	0.85	0.88	0.89	0.90	0.89	0.87
-100	0.90	0.56	0.53	0.55	0.57	0.59	0.61	0.60	0.58	0.56	0.53	0.50	0.46	0.46	0.46	0.45	0.44	0.44	0.42
-90	0.90	0.87	0.83	0.80	0.76	0.73	0.70	0.65	0.61	0.57	0.53	0.48	0.44	0.44	0.44	0.44	0.44	0.44	0.44
-80	0.90	2.74	6.53	10.7	12.8	12.0	7.98	8.84	10.3	11.8	13.2	14.3	15.1	16.3	17.6	18.5	19.2	19.5	19.6
-70	0.90	7.38	20.7	29.7	32.7	31.3	24.6	24.2	28.1	31.4	33.8	35.6	36.6	36.9	37.2	37.2	37.2	36.9	36.4
-60	0.90	14.5	36.4	49.8	54.9	52.9	45.3	38.4	42.9	46.0	48.5	50.0	50.1	49.3	50.6	51.7	52.5	52.9	52.9
-50	0.90	22.7	51.6	69.3	76.8	75.6	67.1	58.2	59.9	69.4	77.5	81.3	79.0	69.9	70.0	73.6	75.5	75.0	72.4
-40	0.90	30.5	66.2	87.8	97.7	94.2	91.1	91.8	100.0	119	137	146	153	161	169	186	196	199	189
-30	0.90	37.1	79.0	106	116	114	122	132	168	198	224	255	300	366	457	547	627	678	693
-20	0.90	42.5	89.7	122	130	139	146	188	244	280	361	447	565	743	864	908	927	936	934
-10	0.90	46.3	98.3	135	143	163	175	250	295	391	593	729	819	918	952	940	950	963	963
0	0.90	48.4	105	146	157	183	198	297	338	495	802	900	863	872	883	895	904	916	918
10	0.90	46.3	98.6	135	144	165	177	253	301	399	608	765	863	936	944	934	940	950	958
20	0.90	42.5	90.2	123	132	143	151	194	252	293	382	493	644	805	882	935	978	980	976
30	0.90	37.2	79.7	107	118	118	128	140	178	212	245	279	327	405	486	548	586	608	600
40	0.90	30.6	67.1	89.7	100	98.1	98.3	101	112	132	150	165	172	175	178	188	186	170	142
50	0.90	22.7	52.5	71.2	79.9	79.6	72.7	67.5	71.1	80.0	88.6	92.7	90.6	83.5	84.1	85.5	83.9	79.2	72.2
60	0.90	14.6	36.7	51.7	57.9	57.2	50.5	44.4	49.0	52.9	56.0	57.9	57.9	56.8	57.2	57.1	56.3	55.0	53.2
70	0.90	7.44	20.8	30.3	35.2	34.7	29.5	29.5	32.7	35.2	37.0	38.1	38.4	38.7	39.0	39.1	38.8	38.3	37.5
80	0.90	2.82	6.66	10.8	13.1	12.4	8.94	10.9	13.0	14.5	15.4	16.2	17.1	18.4	19.6	20.4	21.0	21.3	21.3
90	0.90	0.92	0.94	0.96	0.98	1.00	1.02	1.00	0.99	0.97	0.95	0.94	0.92	0.84	0.75	0.67	0.58	0.49	0.41
100	0.90	0.57	0.51	0.52	0.52	0.53	0.54	0.52	0.50	0.48	0.45	0.42	0.38	0.37	0.36	0.35	0.34	0.32	0.30
110	0.90	0.53	0.56	0.60	0.64	0.68	0.72	0.74	0.75	0.74	0.73	0.71	0.68	0.67	0.67	0.66	0.65	0.62	0.59
120	0.90	0.55	0.62	0.69	0.78	0.87	0.97	1.06	1.12	1.18	1.22	1.25	1.26	1.28	1.34	1.37	1.38	1.37	1.33
130	0.90	0.58	0.68	0.80	0.94	1.10	1.28	1.47	1.66	1.81	1.95	2.09	2.21	2.31	2.42	2.51	2.56	2.57	2.53
140	0.90	0.60	0.73	0.90	1.11	1.36	1.63	1.94	2.26	2.55	2.82	3.06	3.28	3.46	3.60	3.76	3.86	3.90	3.88
150	0.90	0.62	0.79	1.00	1.28	1.61	1.97	2.38	2.80	3.23	3.63	3.96	4.25	4.51	4.72	4.90	5.04	5.10	5.07
160	0.90	0.64	0.83	1.09	1.44	1.82	2.26	2.75	3.25	3.76	4.22	4.65	5.03	5.36	5.66	5.93	6.14	6.31	6.35
170	0.90	0.65	0.86	1.15	1.55	1.98	2.48	3.02	3.57	4.11	4.62	5.09	5.55	6.01	6.51	7.05	7.45	7.78	7.87
180	0.90	0.66	0.88	1.19	1.61	2.06	2.59	3.15	3.73	4.29	4.82	5.33	5.85	6.42	7.05	7.67	8.21	8.65	8.71

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	8.83	8.51	8.04	7.45	6.85	6.28	5.78	5.28	4.76	4.18	3.58	2.99	2.43	1.94	1.46	1.09	0.81	0.97	
-170	8.27	8.04	7.73	7.25	6.72	6.20	5.69	5.18	4.65	4.07	3.48	2.91	2.37	1.88	1.43	1.08	0.80	0.97	
-160	7.17	7.07	6.87	6.57	6.21	5.81	5.34	4.86	4.34	3.79	3.24	2.71	2.22	1.77	1.36	1.04	0.79	0.97	
-150	6.08	6.02	5.87	5.64	5.35	5.03	4.67	4.29	3.84	3.36	2.88	2.43	2.00	1.60	1.26	0.99	0.77	0.97	
-140	4.79	4.74	4.62	4.45	4.24	4.01	3.75	3.46	3.15	2.81	2.43	2.07	1.72	1.41	1.14	0.92	0.75	0.97	
-130	3.34	3.32	3.26	3.15	3.02	2.88	2.72	2.54	2.35	2.16	1.93	1.67	1.42	1.20	1.01	0.85	0.72	0.97	
-120	1.93	1.95	1.94	1.90	1.83	1.78	1.73	1.67	1.60	1.51	1.42	1.28	1.13	1.00	0.89	0.78	0.69	0.97	
-110	0.92	0.95	0.96	0.97	0.96	0.97	0.99	1.01	1.01	1.01	0.99	0.95	0.89	0.83	0.77	0.71	0.66	0.97	
-100	0.45	0.47	0.49	0.51	0.52	0.53	0.57	0.61	0.64	0.67	0.69	0.71	0.69	0.68	0.66	0.65	0.70	0.97	
-90	0.53	0.62	0.72	0.81	0.90	0.99	1.07	1.15	1.23	1.30	1.38	1.46	1.38	1.30	1.22	1.13	1.05	0.97	
-80	19.8	19.8	19.5	18.8	17.9	16.8	16.1	15.5	14.7	13.4	11.5	9.46	12.3	12.9	10.6	6.35	2.76	0.97	
-70	37.4	38.3	38.8	39.0	39.0	38.9	39.1	38.2	36.4	33.8	30.7	30.3	34.5	34.2	28.7	19.9	6.98	0.97	
-60	54.9	56.5	57.4	57.8	57.7	59.7	60.7	59.0	55.9	52.1	47.5	52.1	57.2	57.1	49.8	34.5	13.9	0.97	
-50	83.9	92.5	96.8	96.4	94.4	97.8	98.1	94.1	86.0	77.0	72.0	75.5	80.3	78.6	69.5	49.8	21.6	0.97	
-40	216	227	227	221	206	193	178	160	141	120	108	102	99.9	99.6	87.3	64.1	28.7	0.97	
-30	687	653	606	549	457	358	294	256	221	185	148	133	120	119	104	76.7	34.7	0.97	
-20	951	956	935	910	844	698	528	389	302	261	201	158	144	132	120	87.2	39.6	0.97	
-10	971	961	958	964	964	903	816	623	406	310	258	184	167	145	132	95.4	43.2	0.97	
0	925	916	914	902	898	895	952	818	499	348	301	204	185	157	143	101	45.1	0.97	
10	960	962	965	982	962	848	750	598	395	302	252	179	164	143	132	95.1	43.1	0.97	
20	986	986	946	886	745	555	448	362	283	245	188	149	139	130	118	86.7	39.6	0.97	
30	602	561	487	407	334	285	252	225	195	165	132	122	114	116	103	76.1	34.7	0.97	
40	155	157	152	139	143	146	144	133	115	97.0	91.7	91.3	94.4	96.6	85.5	63.4	28.6	0.97	
50	73.9	74.3	73.5	71.5	71.8	79.1	80.1	76.1	68.3	59.8	58.7	67.8	75.5	75.7	67.8	49.1	21.6	0.97	
60	53.5	53.4	52.8	51.9	50.7	51.2	51.0	49.5	47.1	44.2	40.1	46.4	53.1	54.5	48.4	34.2	13.8	0.97	
70	38.2	38.6	38.9	39.0	39.0	38.9	38.0	36.2	33.6	30.3	26.2	26.1	31.8	32.2	28.3	19.8	6.94	0.97	
80	21.5	21.3	20.8	19.9	18.6	17.4	16.1	14.9	13.4	11.7	9.82	8.67	12.1	12.7	10.5	6.28	2.71	0.97	
90	0.46	0.51	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.00	0.99	0.99	0.98	0.97	0.97	
100	0.31	0.32	0.33	0.33	0.33	0.33	0.36	0.39	0.41	0.43	0.44	0.45	0.49	0.52	0.55	0.58	0.66	0.97	
110	0.61	0.61	0.61	0.61	0.59	0.59	0.62	0.63	0.64	0.64	0.63	0.63	0.64	0.65	0.64	0.64	0.63	0.97	
120	1.34	1.33	1.29	1.24	1.16	1.14	1.12	1.09	1.04	0.99	0.92	0.88	0.85	0.81	0.76	0.71	0.66	0.97	
130	2.54	2.50	2.41	2.29	2.15	2.05	1.93	1.81	1.66	1.50	1.35	1.22	1.10	0.99	0.89	0.78	0.69	0.97	
140	3.88	3.82	3.69	3.50	3.34	3.14	2.91	2.66	2.39	2.13	1.88	1.64	1.41	1.20	1.02	0.86	0.72	0.97	
150	5.09	5.02	4.86	4.68	4.45	4.17	3.85	3.50	3.15	2.78	2.42	2.06	1.73	1.42	1.16	0.93	0.75	0.97	
160	6.33	6.17	5.98	5.72	5.40	5.03	4.66	4.27	3.84	3.38	2.91	2.45	2.02	1.64	1.28	1.00	0.78	0.97	
170	7.75	7.44	7.01	6.65	6.23	5.78	5.33	4.87	4.39	3.86	3.31	2.77	2.27	1.81	1.39	1.06	0.80	0.97	
180	8.83	8.51	8.04	7.45	6.85	6.28	5.78	5.28	4.76	4.18	3.58	2.99	2.43	1.94	1.46	1.09	0.81	0.97	

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: