

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

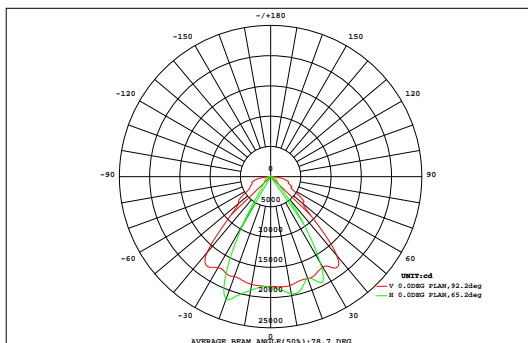
Maximum Intensity		657.9 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	89.2V x 163.7H
	At 50% of Imax	65.2V x 92.2H
	At 90% of Imax	55.2V x 80.7H
Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	901.0 lumens per klm.
	To 50% of Imax	657.9 lumens per klm.
	To 90% of Imax	161.1 lumens per klm.
	Upward LOR	1.1 %
	Downward LOR	98.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

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



DATA OF LAMP		Eff:133.50lm/W	
MODEL	LG07B-M4-240	Imax(cd)	21545
NOMINAL POWER(W)	245.303	AVAILABILITY(%)	89.8
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	29421
NOMINAL FLUX(lm)	32747.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	32747
TEST VOLTAGE(V)	230.189	θ @50%(H,V)	92,65DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.12	0.74	1.33	1.59	2.53	3.41	4.25	5.00	5.45	5.51	5.17	4.47	3.51	2.47	1.54	1.44	0.96	0.22	49.7	0.00
90	0.44	3.23	5.64	6.73	10.5	14.1	16.7	18.3	18.7	18.9	18.9	17.6	14.5	10.1	5.96	5.32	3.36	0.55	189	0.00
80	0.95	6.59	11.6	13.0	18.7	23.5	26.5	28.6	28.9	28.7	28.1	26.3	23.2	17.9	11.7	10.7	6.53	1.05	313	0.00
70	1.52	10.0	17.6	19.9	28.6	37.2	39.0	42.3	41.6	39.8	38.3	35.1	34.3	26.5	18.4	16.4	9.66	1.61	458	0.00
60	2.08	13.2	23.3	30.2	47.6	66.4	81.0	93.3	81.8	76.3	78.7	67.0	60.9	44.2	28.2	22.0	12.6	2.16	831	531
50	2.61	16.1	28.7	45.3	78.2	119	182	257	297	296	246	164	109	75.5	43.3	27.6	15.4	2.67	2005	1946
40	3.07	18.7	34.6	63.0	115	196	371	490	552	556	503	361	186	112	62.0	34.0	17.9	3.10	3679	3665
30	3.44	20.9	40.2	81.6	159	333	516	560	585	584	561	509	328	159	82.4	39.9	20.0	3.45	4584	4574
20	3.70	22.8	45.2	96.5	211	420	502	540	568	576	548	504	422	217	98.4	45.1	21.8	3.70	4845	4837
10	3.69	22.7	44.8	94.8	209	402	502	542	561	562	541	513	413	217	97.8	45.0	21.8	3.70	4797	4789
0	3.44	20.8	39.1	76.9	151	291	468	588	621	621	595	503	308	158	80.7	39.6	20.0	3.46	4589	4580
-10	3.07	18.5	33.2	56.0	102	165	261	391	492	504	427	294	176	109	59.6	33.6	18.0	3.12	3146	3132
-20	2.61	15.9	27.5	37.9	61.5	91.7	107	126	143	154	153	125	101	69.8	41.0	27.4	15.5	2.68	1301	1210
-30	2.08	13.0	22.3	25.0	35.1	50.3	50.4	50.7	53.7	56.9	56.9	55.4	56.6	40.5	26.9	21.9	12.7	2.18	633	157
-40	1.52	9.91	16.8	17.4	23.0	29.6	32.3	35.3	36.6	37.3	37.2	35.3	33.1	25.1	18.0	16.6	9.84	1.62	416	0.00
-50	0.96	6.50	11.1	11.7	17.1	21.5	24.3	26.4	27.2	27.6	27.4	25.6	22.5	17.6	12.0	11.2	6.73	1.06	298	0.00
-60	0.44	3.25	5.42	6.20	10.0	13.8	16.9	18.6	19.1	19.2	18.8	17.2	14.3	10.5	6.78	5.84	3.47	0.56	190	0.00
-70	0.12	0.77	1.41	1.71	2.68	3.71	4.69	5.59	6.19	6.27	5.79	4.97	4.01	2.96	1.89	1.59	1.00	0.23	55.6	0.00
-80																				
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	35.8	224	410	685	1283	2281	3205	3818	4139	4169	3889	3261	2309	1315	696	405	217	37.1	32379	---
Φ a	0.00	127	271	533	1114	2096	2991	3585	3888	3921	3655	3041	2125	1149	547	263	114	0.00	---	29421

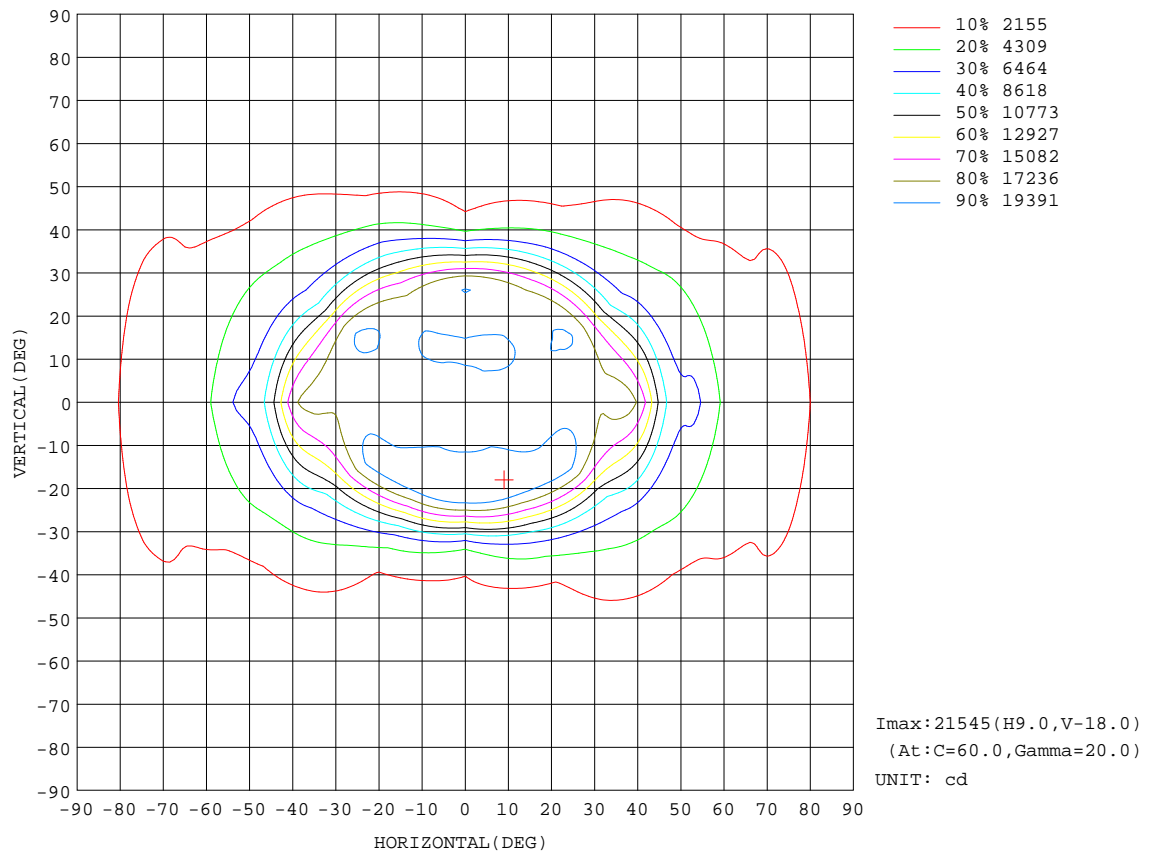
one-half-peak spread: U:11.1,D:9.2 , L:11.2,R:10NEMA Beam Type: Type 7 x 5 (H x V)

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:

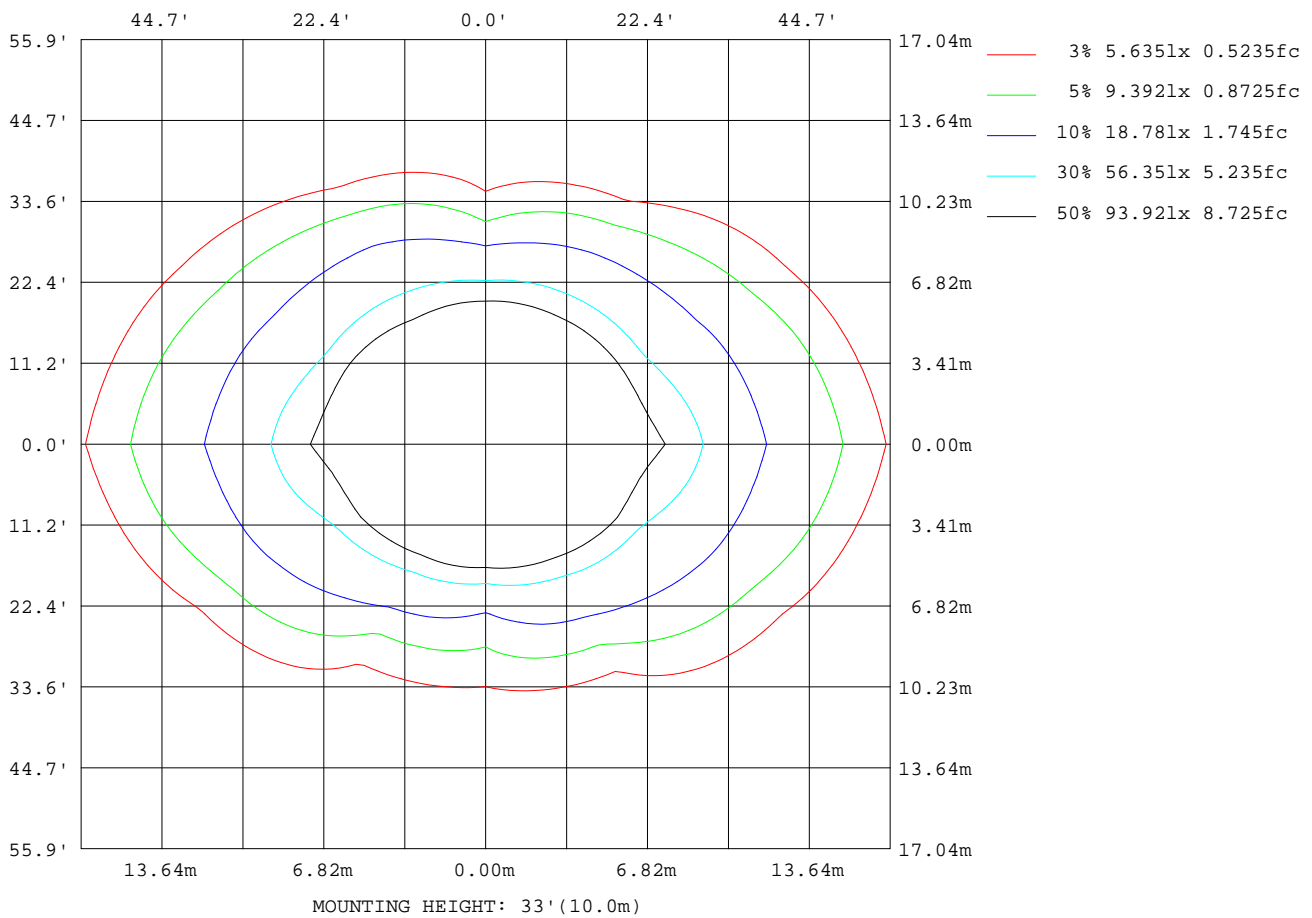


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Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-04

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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

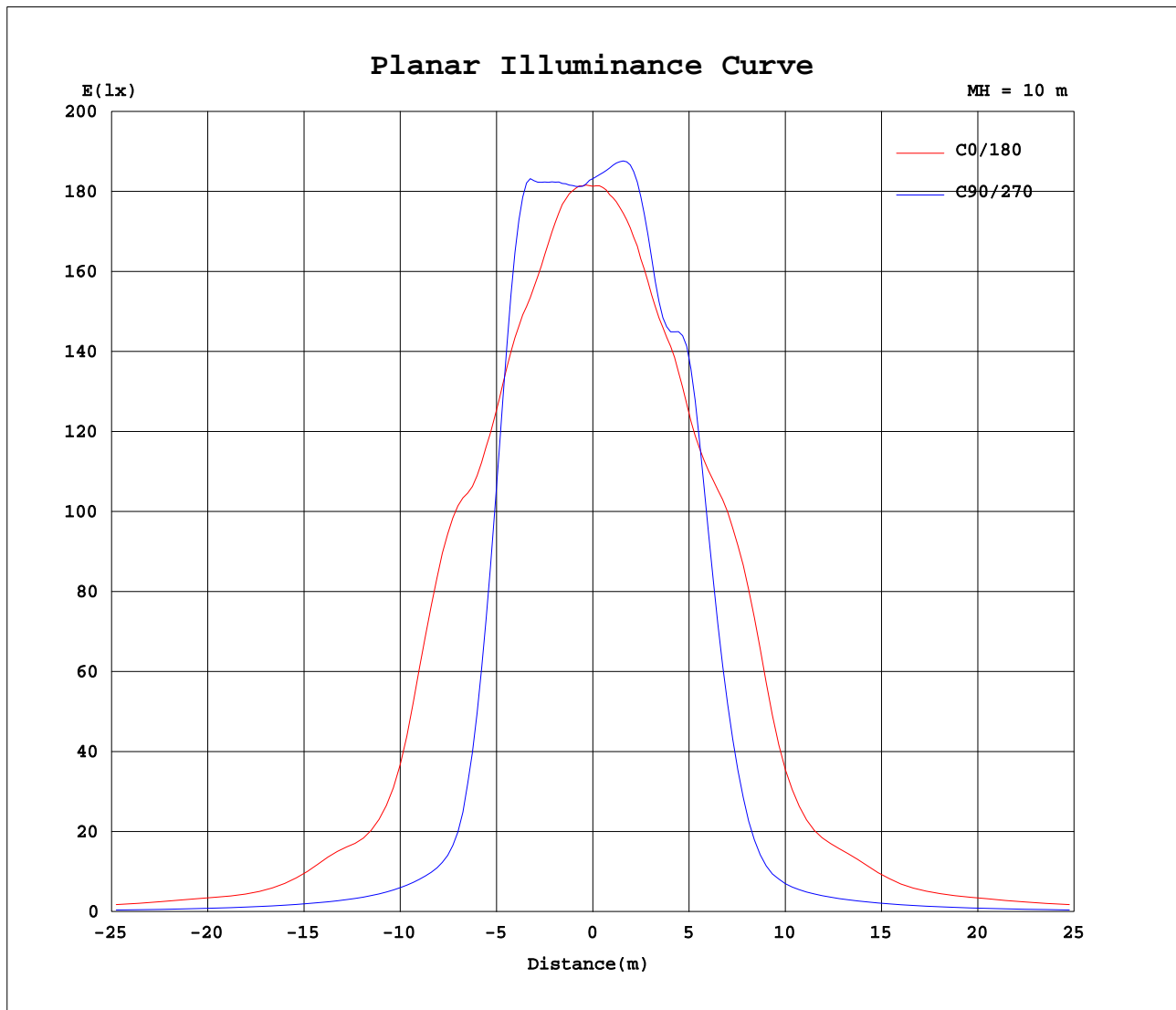
NAME:	TYPE:	WEIGHT:
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Remarks:

Planar Illuminance Curve

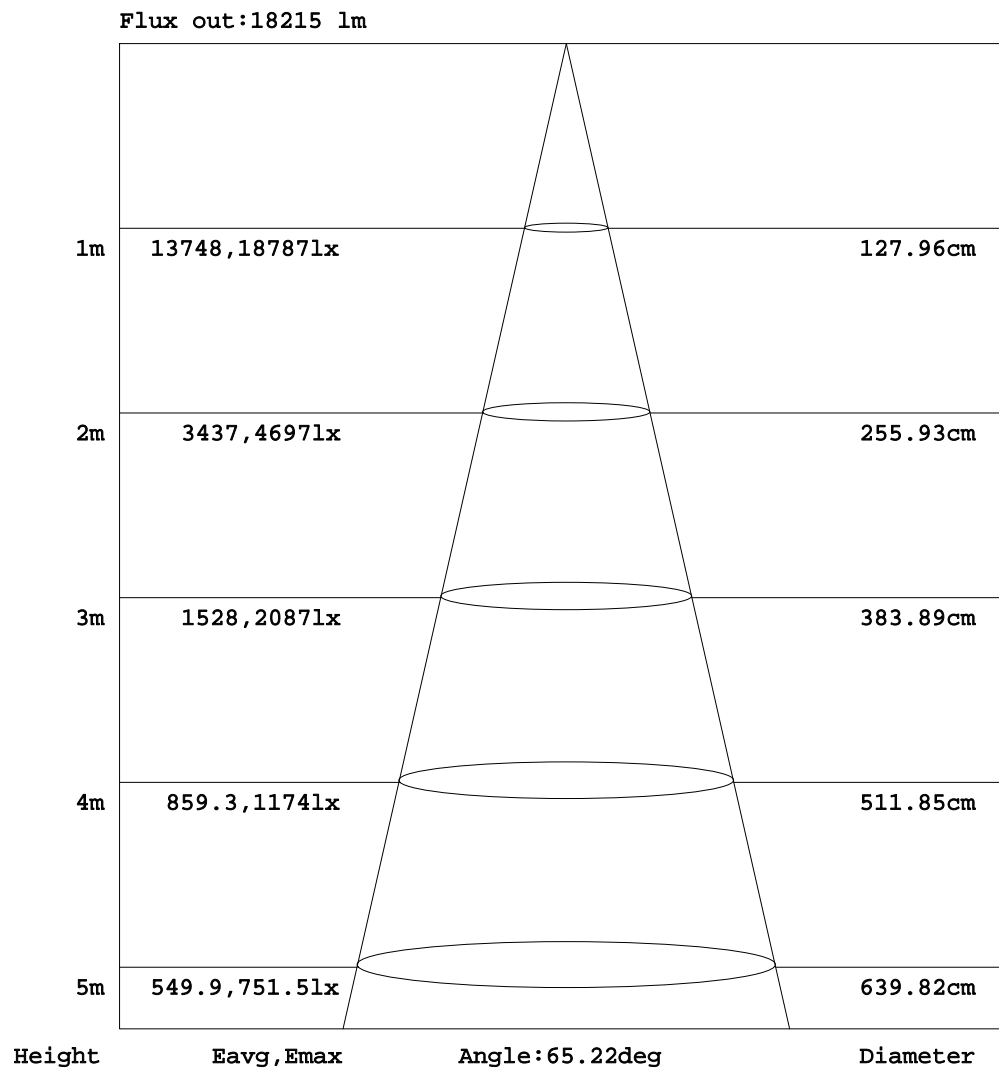


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-09-04

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:

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(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--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	1.97	1.85	2.08	2.54	3.15	3.93	4.91	5.95	7.00	8.01	8.98	9.92	10.9	12.0	13.3	14.7	15.8	16.7	16.8
-170	1.97	1.84	2.07	2.53	3.15	3.96	4.97	6.06	7.18	8.29	9.35	10.4	11.4	12.5	13.8	15.1	16.0	16.7	16.9
-160	1.97	1.83	2.04	2.46	3.06	3.84	4.80	5.88	7.01	8.16	9.26	10.3	11.3	12.1	12.8	13.6	14.2	14.8	15.1
-150	1.97	1.82	1.99	2.35	2.87	3.56	4.43	5.42	6.46	7.56	8.61	9.41	10.1	10.8	11.4	11.9	12.3	12.6	12.7
-140	1.97	1.80	1.94	2.20	2.62	3.18	3.88	4.71	5.61	6.39	7.10	7.79	8.42	8.98	9.48	9.91	10.2	10.4	10.5
-130	1.97	1.77	1.88	2.05	2.34	2.73	3.23	3.83	4.39	4.88	5.35	5.80	6.24	6.64	7.03	7.34	7.56	7.69	7.71
-120	1.97	1.75	1.82	1.92	2.07	2.29	2.58	2.90	3.14	3.37	3.61	3.84	4.03	4.24	4.48	4.67	4.79	4.85	4.85
-110	1.97	1.73	1.77	1.81	1.87	1.95	2.06	2.13	2.18	2.22	2.25	2.28	2.29	2.38	2.48	2.57	2.63	2.66	2.66
-100	1.97	1.75	1.74	1.75	1.75	1.76	1.77	1.71	1.64	1.57	1.50	1.43	1.36	1.37	1.38	1.39	1.40	1.40	1.39
-90	1.97	2.00	2.04	2.08	2.11	2.15	2.18	2.02	1.85	1.69	1.52	1.35	1.19	1.22	1.25	1.28	1.31	1.34	1.37
-80	1.97	5.24	14.6	23.2	26.9	24.8	16.7	18.6	22.3	25.8	28.7	30.8	32.6	35.3	38.4	40.8	42.5	43.6	44.1
-70	1.97	16.4	43.1	61.1	69.0	66.8	52.2	51.4	59.2	65.4	70.3	74.0	76.1	76.8	77.1	77.1	76.7	76.0	74.8
-60	1.97	31.7	74.6	105	117	111	93.4	78.5	86.9	92.3	96.4	98.9	99.2	98.9	101	103	104	104	104
-50	1.97	47.6	108	148	161	156	138	115	113	125	141	150	151	138	137	140	141	140	137
-40	1.97	62.2	140	186	202	195	181	175	177	210	249	272	273	248	205	227	242	239	219
-30	1.97	75.6	168	221	241	230	241	253	314	372	432	489	532	590	664	744	873	952	937
-20	1.97	86.7	192	251	271	279	297	369	480	555	727	884	1041	1367	1668	1878	2043	2128	2152
-10	1.97	94.8	211	279	298	329	357	501	601	791	1204	1428	1612	1881	1998	1922	1928	1923	1909
0	1.97	99.2	224	302	325	372	410	605	696	1005	1635	1818	1738	1761	1760	1782	1810	1813	1813
10	1.97	94.8	211	280	300	334	370	520	624	813	1244	1579	1803	1908	1883	1884	1930	1953	1962
20	1.97	86.7	192	253	274	288	318	404	525	605	776	1012	1398	1753	1870	1883	1884	1850	1789
30	1.97	75.5	169	223	245	239	263	296	376	447	512	590	727	942	1167	1322	1467	1582	1639
40	1.97	62.1	140	188	206	202	198	210	239	284	323	359	393	437	492	508	497	466	399
50	1.97	47.5	109	150	164	162	148	135	144	167	186	194	192	182	188	194	189	173	151
60	1.97	31.5	74.5	107	120	116	101	88.4	97.7	106	113	117	117	115	116	116	115	113	111
70	1.97	16.3	42.8	61.0	71.2	69.2	56.3	56.4	63.9	70.0	74.3	76.9	77.8	78.4	79.0	79.1	78.7	77.7	76.3
80	1.97	5.13	14.3	22.8	26.4	24.2	16.2	20.0	23.8	26.6	28.7	30.5	32.7	35.5	37.8	39.4	40.4	40.8	40.7
90	1.97	1.92	1.87	1.83	1.78	1.73	1.68	1.63	1.57	1.51	1.45	1.39	1.33	1.28	1.23	1.18	1.13	1.08	1.03
100	1.97	1.68	1.61	1.57	1.54	1.49	1.44	1.39	1.34	1.29	1.24	1.19	1.14	1.09	1.04	0.99	0.94	0.89	0.84
110	1.97	1.66	1.67	1.65	1.62	1.58	1.54	1.51	1.49	1.47	1.43	1.38	1.31	1.26	1.22	1.19	1.14	1.09	1.04
120	1.97	1.70	1.73	1.73	1.74	1.77	1.80	1.85	1.91	1.96	1.99	2.00	1.98	1.96	2.02	2.05	2.04	1.99	1.90
130	1.97	1.73	1.78	1.84	1.95	2.09	2.25	2.46	2.73	3.00	3.23	3.43	3.59	3.72	3.92	4.08	4.17	4.17	4.08
140	1.97	1.76	1.84	1.99	2.21	2.49	2.85	3.32	3.87	4.38	4.85	5.27	5.65	5.96	6.21	6.51	6.71	6.80	6.76
150	1.97	1.79	1.91	2.15	2.49	2.93	3.52	4.23	4.98	5.72	6.43	7.01	7.52	7.97	8.34	8.63	8.94	9.11	9.13
160	1.97	1.81	1.98	2.31	2.77	3.36	4.14	5.01	5.91	6.80	7.62	8.36	9.03	9.62	10.1	10.6	10.9	11.3	11.4
170	1.97	1.83	2.04	2.45	2.99	3.71	4.62	5.60	6.60	7.57	8.47	9.33	10.2	11.0	11.9	12.8	13.6	14.1	14.3
180	1.97	1.85	2.08	2.54	3.15	3.93	4.91	5.95	7.00	8.01	8.98	9.92	10.9	12.0	13.3	14.7	15.8	16.7	16.7

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	17.2	16.7	15.8	14.7	13.5	12.5	11.5	10.6	9.76	8.76	7.63	6.48	5.41	4.46	3.65	2.97	2.47	3.09	
-170	16.8	16.4	15.7	14.7	13.6	12.6	11.6	10.7	9.75	8.69	7.55	6.40	5.34	4.41	3.61	2.95	2.46	3.09	
-160	15.0	14.7	14.2	13.6	12.9	12.2	11.3	10.3	9.34	8.28	7.18	6.10	5.12	4.24	3.50	2.89	2.44	3.09	
-150	12.8	12.7	12.5	12.1	11.5	10.9	10.2	9.45	8.53	7.54	6.56	5.62	4.75	3.98	3.32	2.79	2.40	3.09	
-140	10.6	10.5	10.3	9.97	9.54	9.05	8.50	7.90	7.26	6.55	5.75	4.97	4.26	3.64	3.11	2.68	2.36	3.09	
-130	7.79	7.77	7.65	7.45	7.18	6.86	6.50	6.11	5.70	5.29	4.80	4.23	3.71	3.26	2.87	2.55	2.31	3.09	
-120	4.96	5.00	4.98	4.90	4.76	4.63	4.50	4.34	4.17	3.99	3.80	3.49	3.16	2.88	2.63	2.43	2.26	3.09	
-110	2.75	2.81	2.84	2.85	2.83	2.83	2.88	2.91	2.92	2.92	2.90	2.83	2.68	2.54	2.41	2.30	2.21	3.09	
-100	1.48	1.56	1.64	1.71	1.78	1.85	1.96	2.05	2.14	2.22	2.29	2.34	2.30	2.26	2.22	2.19	2.29	3.09	
-90	1.50	1.62	1.75	1.87	1.99	2.12	2.24	2.37	2.50	2.62	2.75	2.87	2.91	2.94	2.98	3.01	3.05	3.09	
-80	44.4	44.0	43.0	41.2	38.8	35.9	33.2	31.1	29.0	25.6	21.3	18.1	26.6	29.0	25.3	18.1	12.0	3.09	
-70	76.5	77.7	78.4	78.6	78.3	77.5	75.5	71.6	66.3	60.2	53.5	54.7	69.0	72.9	64.4	46.2	20.8	3.09	
-60	107	108	109	109	108	108	107	103	97.2	89.6	80.8	94.0	110	116	107	78.5	34.7	3.09	
-50	143	146	146	145	150	168	171	160	142	124	121	136	155	157	145	111	51.0	3.09	
-40	265	290	287	258	278	299	302	284	245	202	189	188	188	199	179	140	66.8	3.09	
-30	1002	968	874	785	676	588	527	473	413	349	269	254	231	233	214	165	80.5	3.09	
-20	2142	2093	1967	1805	1529	1137	931	768	583	516	392	301	289	257	247	186	91.5	3.09	
-10	1926	1915	1888	2010	1973	1695	1492	1264	814	613	526	356	342	283	274	203	99.6	3.09	
0	1829	1828	1790	1798	1773	1729	1846	1701	1040	692	628	405	387	310	297	215	104	3.09	
10	1983	1953	1912	1912	1897	1761	1576	1271	815	619	533	361	344	284	274	203	99.5	3.09	
20	1830	1853	1893	1893	1721	1331	980	766	589	532	404	307	291	257	246	186	91.4	3.09	
30	1608	1512	1358	1139	881	669	551	485	438	371	283	260	233	233	214	164	80.2	3.09	
40	444	454	444	407	369	343	327	309	270	222	199	192	189	199	177	139	66.5	3.09	
50	161	166	163	154	153	173	180	172	152	132	126	138	154	155	143	110	50.7	3.09	
60	111	111	110	108	107	109	111	108	101	91.8	80.5	92.3	107	112	105	77.5	34.4	3.09	
70	78.3	79.9	80.8	81.1	80.7	79.6	76.7	72.3	66.3	58.5	49.6	49.5	64.6	69.0	62.7	45.5	20.7	3.09	
80	41.6	41.8	41.4	40.3	38.4	35.6	31.6	28.4	25.1	21.3	17.3	14.7	24.1	27.4	24.6	17.9	11.9	3.09	
90	1.11	1.18	1.26	1.33	1.41	1.48	1.65	1.82	1.99	2.16	2.33	2.50	2.60	2.70	2.79	2.89	2.99	3.09	
100	0.86	0.87	0.89	0.90	0.90	0.92	1.07	1.20	1.33	1.45	1.55	1.66	1.75	1.84	1.92	2.02	2.22	3.09	
110	1.08	1.12	1.14	1.16	1.16	1.21	1.37	1.52	1.66	1.80	1.89	1.97	2.03	2.06	2.09	2.10	2.13	3.09	
120	1.98	2.02	2.02	1.98	1.92	2.00	2.10	2.17	2.20	2.22	2.25	2.34	2.38	2.35	2.29	2.23	2.17	3.09	
130	4.16	4.15	4.05	3.88	3.68	3.63	3.55	3.44	3.29	3.11	2.93	2.84	2.77	2.68	2.53	2.36	2.23	3.09	
140	6.82	6.75	6.56	6.25	6.06	5.81	5.50	5.13	4.73	4.33	3.95	3.58	3.28	3.04	2.78	2.51	2.29	3.09	
150	9.22	9.13	8.87	8.62	8.30	7.89	7.40	6.85	6.29	5.67	5.04	4.43	3.88	3.43	3.04	2.65	2.35	3.09	
160	11.5	11.4	11.1	10.7	10.2	9.64	9.06	8.43	7.73	6.93	6.09	5.25	4.48	3.83	3.28	2.78	2.40	3.09	
170	14.3	14.0	13.3	12.7	12.0	11.3	10.5	9.71	8.90	7.99	6.97	5.95	5.01	4.19	3.49	2.90	2.44	3.09	
180	17.2	16.7	15.8	14.7	13.5	12.5	11.5	10.6	9.76	8.76	7.63	6.48	5.41	4.46	3.65	2.97	2.47	3.09	

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: