

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		363.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	143.9V x 148.1H
	At 50% of I _{max}	113.7V x 114.9H
	At 90% of I _{max}	52.9V x 53.6H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of I _{max}	981.0 lumens per klm.
	To 50% of I _{max}	802.3 lumens per klm.
	To 90% of I _{max}	230.7 lumens per klm.

Upward LOR	0.6 %
Downward LOR	99.4 %

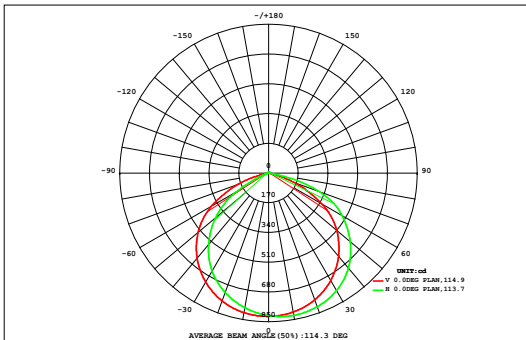
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 16 November 2017

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 7.680m [K=1.0000]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.07V I:0.0904A P:20.653W PF:0.9932 Freq:50.01Hz Lamp Flux:2272.01x1 lm		
NAME: BLP-FL20WAC	TYPE:	WEIGHT:0.8KG
SPEC.:	DIM.: 0.133*0.168*0.040	SERIAL No.:
MFR.: Shenzhen Brillloop Lighting	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:110.01lm/W	
MODEL		I _{max} (cd)	826.2
NOMINAL POWER (W)	20	AVAILABILITY (%)	98.1
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	2229
NOMINAL FLUX (lm)	2272.01	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	2272
TEST VOLTAGE (V)	230	θ @50% (H,V)	115,114DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a	
	0.00	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.08	0.08	0.07	0.06	0.05	0.03	0.02	0.01			0.00
90	0.00	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.08	0.08	0.07	0.06	0.05	0.03	0.02	0.01	0.00	0.71	0.00
80	0.00	0.01	0.05	0.12	0.20	0.31	0.39	0.45	0.48	0.49	0.47	0.42	0.35	0.24	0.15	0.07	0.02	0.00	4.24	0.00
70	0.00	0.03	0.14	0.49	1.09	1.86	2.47	3.00	3.27	3.30	3.07	2.58	2.02	1.27	0.66	0.20	0.05	0.01	25.5	16.9
60	0.00	0.06	0.46	1.69	3.51	5.55	7.31	8.65	9.35	9.38	8.74	7.45	5.74	3.76	1.96	0.67	0.09	0.01	74.4	72.6
50	0.01	0.11	1.09	3.22	6.10	8.93	11.4	13.1	14.1	14.1	13.2	11.5	9.12	6.35	3.51	1.37	0.19	0.01	117	117
40	0.01	0.22	1.78	4.69	8.29	11.7	14.6	16.8	17.9	17.9	16.9	14.8	11.9	8.54	5.01	2.07	0.34	0.01	153	153
30	0.01	0.34	2.39	5.96	9.98	13.8	17.1	19.5	20.8	20.8	19.6	17.3	14.0	10.2	6.28	2.70	0.50	0.02	181	181
20	0.01	0.45	2.88	6.89	11.2	15.3	18.9	21.5	22.8	22.8	21.5	19.0	15.5	11.5	7.22	3.21	0.64	0.02	201	201
10	0.01	0.52	3.19	7.47	12.0	16.4	20.1	22.8	24.2	24.1	22.8	20.3	16.6	12.3	7.82	3.54	0.72	0.02	215	215
0	0.01	0.54	3.32	7.72	12.3	16.8	20.6	23.3	24.7	24.9	23.6	20.9	17.1	12.7	8.08	3.68	0.75	0.02	221	221
-10	0.01	0.51	3.26	7.63	12.2	16.7	20.5	23.3	24.7	24.8	23.5	20.8	17.0	12.6	8.00	3.61	0.71	0.02	220	220
-20	0.01	0.42	2.97	7.20	11.7	16.0	19.8	22.5	24.0	24.1	22.8	20.1	16.4	12.1	7.60	3.32	0.60	0.02	212	211
-30	0.01	0.29	2.45	6.38	10.7	14.8	18.4	21.1	22.4	22.5	21.3	18.7	15.1	11.1	6.79	2.82	0.44	0.01	195	195
-40	0.01	0.16	1.72	5.14	9.16	12.9	16.2	18.6	19.9	20.0	18.8	16.5	13.3	9.55	5.55	2.09	0.26	0.01	170	169
-50	0.00	0.07	0.87	3.54	7.08	10.4	13.2	15.3	16.5	16.5	15.5	13.5	10.8	7.47	3.99	1.20	0.12	0.01	136	135
-60	0.00	0.04	0.26	1.61	4.26	7.01	9.42	11.2	12.1	12.2	11.4	9.75	7.45	4.78	2.07	0.41	0.06	0.01	93.9	92.6
-70	0.00	0.02	0.07	0.27	1.02	2.22	3.57	4.55	5.01	5.12	4.88	4.04	2.70	1.39	0.41	0.10	0.03	0.00	35.4	30.3
-80	0.00	0.00	0.01	0.03	0.06	0.09	0.13	0.18	0.20	0.22	0.22	0.18	0.12	0.08	0.05	0.02	0.01	0.00	1.61	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	0.00
	0.12	3.82	26.9	70.1	121	171	214	246	263	263	248	218	175	126	75.2	31.1	5.52	0.20	2258	---
Φ a	0.00	1.62	24.9	68.3	119	169	212	244	261	262	247	216	174	124	73.5	29.2	3.22	0.00	---	2229

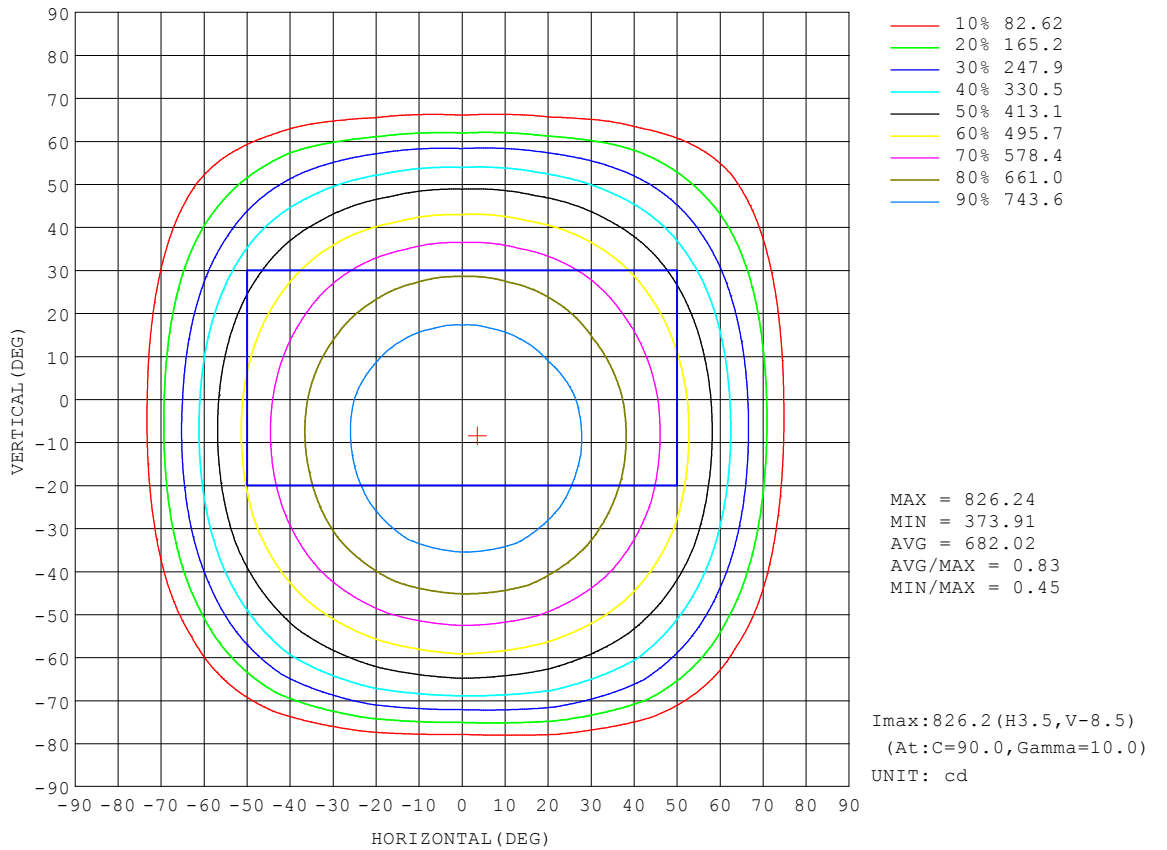
one-half-peak spread: U:55.1,D:49.1 , L:56.0,R:57.3 NEMA Beam Type: Type 7

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 November 2017

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.680m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.07V I:0.0904A P:20.653W PF:0.9932 Freq:50.01Hz Lamp Flux:2272.01x1 lm		
NAME: BLP-FL20WAC	TYPE:	WEIGHT:0.8KG
SPEC.:	DIM.: 0.133*0.168*0.040	SERIAL No.:
MFR.: Shenzhen Brillloop Lighting	SUR.:	Shielding Angle:

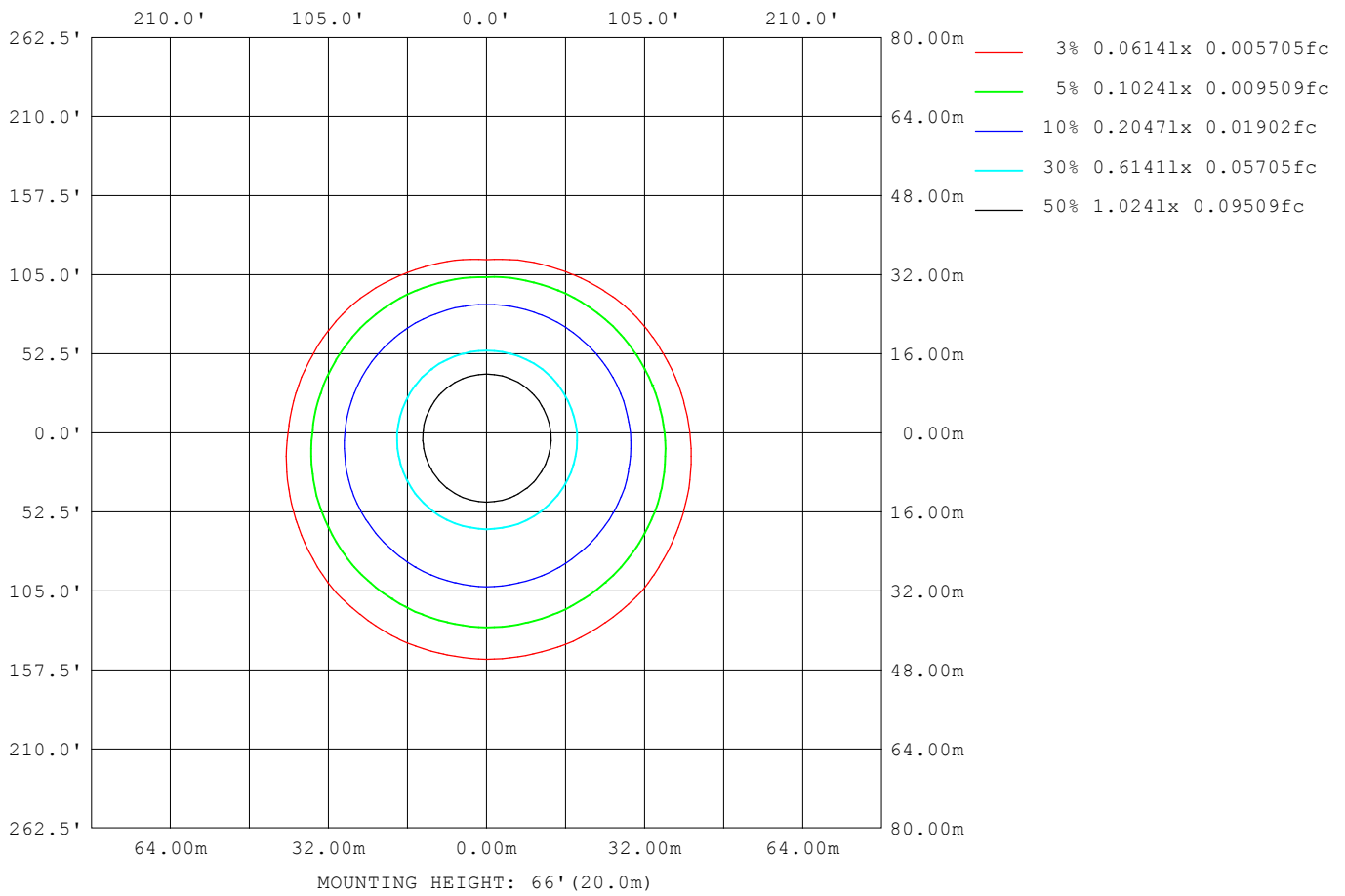


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 Remarks:

ISOLUX DIAGRAM

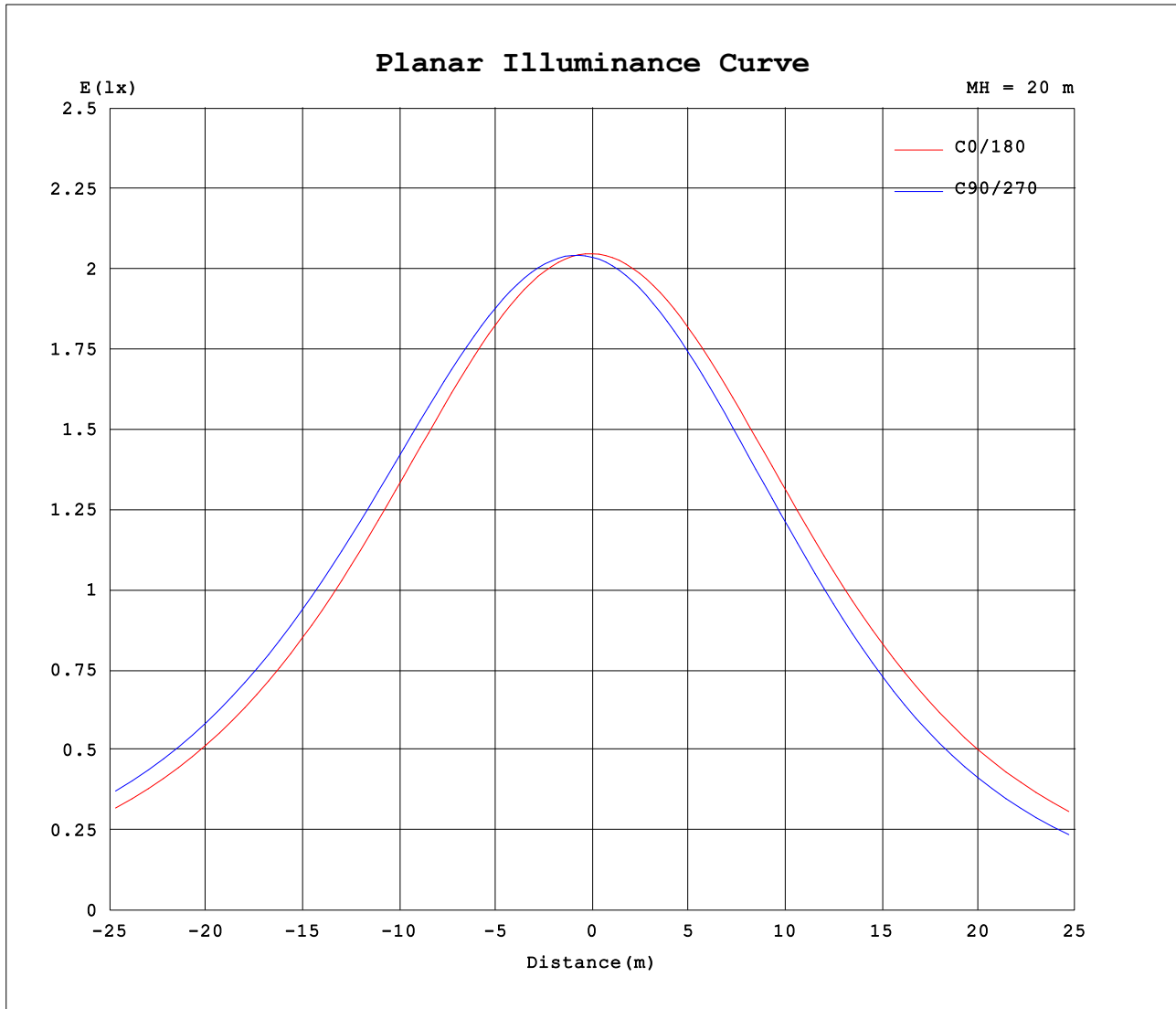
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 Remarks:

Planar Illuminance Curve

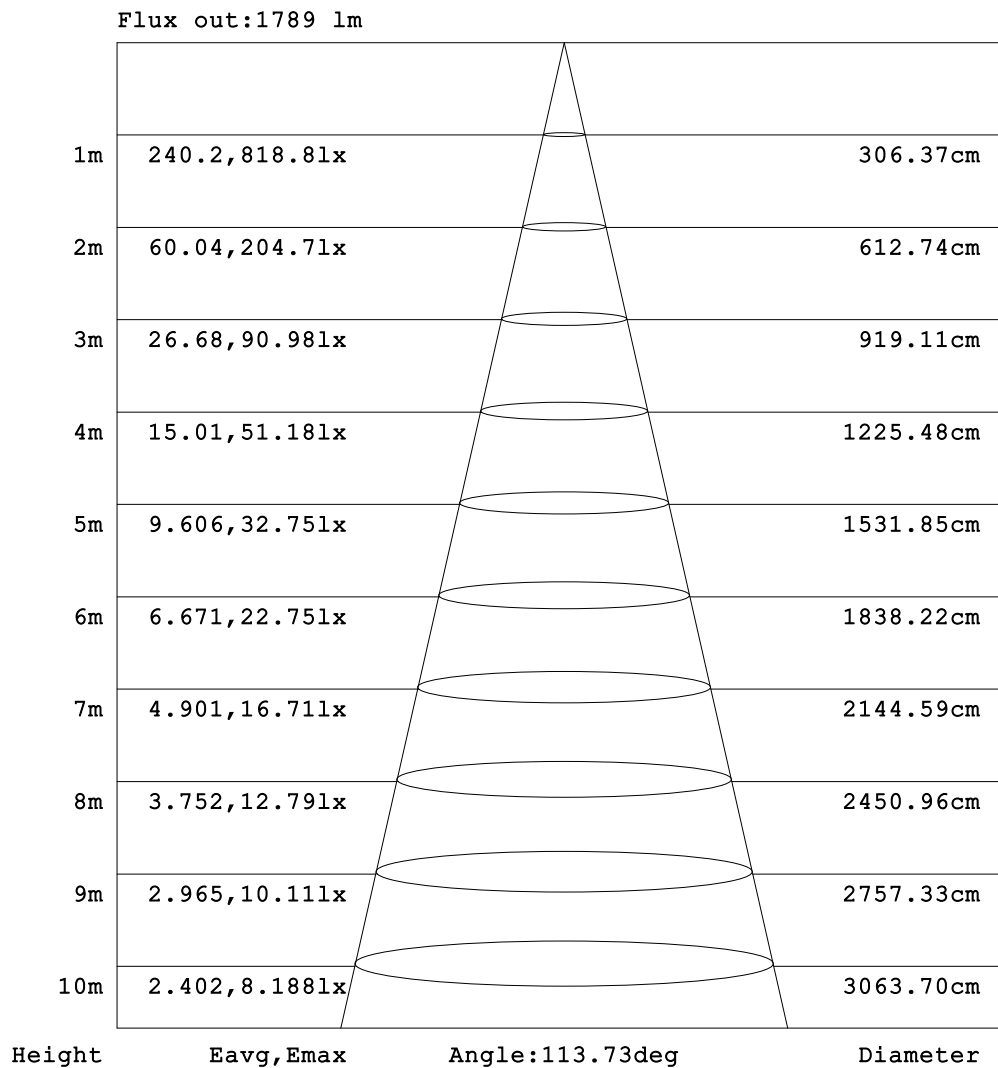


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 Remarks:

AAI Figure

Test:U:230.07V I:0.0904A P:20.653W PF:0.9932 Freq:50.01Hz Lamp Flux:2272.01x1 lm		
NAME: BLP-FL20WAC	TYPE:	WEIGHT:0.8KG
SPEC.:	DIM.: 0.133*0.168*0.040	SERIAL No.:
MFR.: Shenzhen Brillloop Lighting	SUR.:	Shielding 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: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 November 2017

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.680m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.07V I:0.0904A P:20.653W PF:0.9932 Freq:50.01Hz Lamp Flux:2272.01x1 lm		
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SPEC.:	DIM.: 0.133*0.168*0.040	SERIAL No.:
MFR.: Shenzhen Brillloop Lighting	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.31	0.49	0.71	1.04	1.38	1.75	2.14	2.51	2.89	3.24	3.54	3.80	4.04	4.23	4.41	4.53	4.62	4.67	4.76
-170	0.31	0.48	0.69	1.01	1.34	1.69	2.05	2.40	2.76	3.07	3.36	3.59	3.79	3.94	4.08	4.20	4.27	4.32	4.36
-160	0.31	0.47	0.66	0.94	1.25	1.56	1.90	2.21	2.53	2.81	3.07	3.30	3.49	3.65	3.78	3.89	3.96	4.01	4.02
-150	0.31	0.45	0.62	0.86	1.12	1.40	1.67	1.96	2.22	2.47	2.70	2.91	3.10	3.25	3.37	3.46	3.52	3.56	3.57
-140	0.31	0.42	0.58	0.76	0.97	1.20	1.42	1.64	1.86	2.05	2.24	2.41	2.56	2.69	2.80	2.88	2.95	2.99	2.99
-130	0.31	0.40	0.51	0.65	0.81	0.97	1.15	1.30	1.45	1.60	1.74	1.86	1.97	2.07	2.13	2.19	2.24	2.27	2.27
-120	0.31	0.38	0.46	0.55	0.64	0.75	0.85	0.95	1.05	1.14	1.22	1.30	1.37	1.42	1.46	1.50	1.54	1.55	1.54
-110	0.31	0.36	0.39	0.45	0.50	0.56	0.59	0.64	0.68	0.72	0.75	0.79	0.82	0.83	0.84	0.86	0.87	0.88	0.87
-100	0.31	0.33	0.35	0.36	0.37	0.39	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.40
-90	0.31	0.31	0.30	0.29	0.28	0.27	0.26	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.19	0.19	0.19	0.19	0.19
-80	0.31	0.30	0.51	0.93	1.52	2.29	3.24	4.39	5.69	7.17	9.13	11.6	14.6	17.6	24.1	28.4	30.7	31.3	30.4
-70	0.31	0.49	1.41	2.96	5.17	8.15	15.9	36.6	72.6	116	156	191	222	250	271	285	295	301	304
-60	0.31	0.82	2.74	6.03	11.1	29.2	81.5	146	212	271	322	359	392	419	442	458	471	480	485
-50	0.31	1.22	4.38	9.92	32.2	93.1	172	251	321	382	432	472	507	537	563	582	596	605	609
-40	0.31	1.64	6.08	16.8	71.6	160	248	332	406	466	516	560	598	632	660	683	697	705	710
-30	0.31	2.04	7.62	28.9	110	209	303	393	466	524	575	622	664	698	726	748	763	772	776
-20	0.31	2.35	8.89	42.2	137	239	338	428	499	558	612	659	700	734	763	784	799	809	813
-10	0.31	2.53	9.63	50.1	151	252	354	443	513	573	627	674	715	749	775	796	812	821	826
0	0.31	2.58	9.74	50.2	150	248	349	438	509	567	623	669	710	744	771	792	807	815	819
10	0.31	2.51	9.43	45.9	139	232	328	415	484	541	594	639	678	711	738	758	772	779	781
20	0.31	2.31	8.57	35.2	116	202	288	372	439	495	544	589	627	658	683	703	716	724	726
30	0.31	2.00	7.27	22.0	83.8	161	231	307	374	428	475	516	552	582	606	624	637	646	648
40	0.31	1.60	5.72	13.3	48.7	109	167	225	286	338	381	417	449	477	497	511	526	533	533
50	0.31	1.19	4.08	8.74	19.6	53.9	98.4	139	181	224	264	295	322	345	363	377	389	395	396
60	0.31	0.79	2.53	5.35	9.09	15.8	33.2	53.8	75.6	99.0	123	145	161	175	184	202	209	210	207
70	0.31	0.48	1.31	2.60	4.35	6.43	8.66	11.3	14.8	17.6	20.3	26.1	29.5	29.1	26.4	29.2	30.9	30.6	28.9
80	0.31	0.32	0.49	0.84	1.31	1.83	2.39	2.99	3.58	4.11	4.66	5.13	5.52	5.82	6.13	6.44	6.65	6.76	6.77
90	0.31	0.33	0.34	0.35	0.36	0.38	0.39	0.41	0.42	0.44	0.45	0.45	0.46	0.46	0.46	0.46	0.45	0.45	0.44
100	0.31	0.36	0.40	0.44	0.49	0.54	0.59	0.65	0.71	0.77	0.82	0.87	0.92	0.97	1.00	1.01	1.02	1.03	1.03
110	0.31	0.38	0.45	0.54	0.64	0.74	0.87	1.00	1.13	1.26	1.37	1.48	1.58	1.67	1.74	1.78	1.81	1.83	1.84
120	0.31	0.40	0.52	0.65	0.80	0.99	1.18	1.38	1.58	1.77	1.94	2.08	2.22	2.34	2.44	2.50	2.55	2.59	2.60
130	0.31	0.43	0.57	0.75	0.98	1.23	1.49	1.74	1.99	2.23	2.45	2.65	2.83	2.99	3.13	3.23	3.30	3.34	3.36
140	0.31	0.44	0.63	0.86	1.14	1.44	1.75	2.06	2.35	2.63	2.90	3.16	3.39	3.56	3.71	3.81	3.88	3.92	3.93
150	0.31	0.46	0.67	0.95	1.27	1.61	1.96	2.30	2.63	2.96	3.27	3.54	3.76	3.95	4.08	4.18	4.25	4.29	4.31
160	0.31	0.48	0.70	1.01	1.36	1.72	2.09	2.45	2.82	3.18	3.50	3.77	3.98	4.16	4.31	4.41	4.49	4.53	4.54
170	0.31	0.49	0.71	1.04	1.39	1.77	2.15	2.53	2.91	3.27	3.58	3.85	4.07	4.25	4.41	4.53	4.63	4.65	4.65
180	0.31	0.49	0.71	1.04	1.38	1.75	2.14	2.51	2.89	3.24	3.54	3.80	4.04	4.23	4.41	4.53	4.62	4.67	4.75

C Range: 0 - 360DEG
 C Interval: 22.5DEG
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 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 November 2017

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.680m [K=1.0000]
 Remarks:

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SPEC.:	DIM.: 0.133*0.168*0.040	SERIAL No.:
MFR.: Shenzhen Brillloop Lighting	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-180	4.62	4.48	4.38	4.26	4.12	3.93	3.72	3.47	3.17	2.85	2.47	2.11	1.73	1.36	1.00	0.71	0.48	0.43
-170	4.37	4.31	4.22	4.10	3.94	3.76	3.56	3.32	3.03	2.71	2.37	2.02	1.66	1.31	0.97	0.69	0.48	0.43
-160	4.03	3.99	3.91	3.79	3.65	3.48	3.29	3.05	2.79	2.48	2.18	1.86	1.53	1.22	0.91	0.66	0.46	0.43
-150	3.57	3.52	3.46	3.36	3.23	3.09	2.89	2.68	2.44	2.18	1.93	1.64	1.36	1.09	0.84	0.62	0.45	0.43
-140	2.98	2.95	2.87	2.79	2.68	2.55	2.39	2.23	2.03	1.83	1.60	1.38	1.16	0.94	0.74	0.57	0.42	0.43
-130	2.27	2.25	2.20	2.14	2.07	1.97	1.85	1.73	1.58	1.42	1.26	1.10	0.93	0.78	0.64	0.51	0.40	0.43
-120	1.55	1.53	1.50	1.46	1.41	1.36	1.29	1.21	1.11	1.02	0.92	0.82	0.72	0.62	0.53	0.45	0.37	0.43
-110	0.87	0.87	0.86	0.84	0.83	0.81	0.78	0.75	0.71	0.67	0.62	0.58	0.53	0.48	0.43	0.39	0.35	0.43
-100	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.40	0.40	0.39	0.38	0.37	0.36	0.35	0.34	0.34	0.43
-90	0.20	0.21	0.23	0.24	0.26	0.28	0.31	0.33	0.35	0.37	0.38	0.40	0.41	0.42	0.42	0.43	0.43	0.43
-80	34.1	36.3	36.6	34.7	28.8	23.1	16.8	12.7	9.55	7.64	6.16	4.95	3.88	2.91	2.06	1.37	0.83	0.43
-70	304	301	295	286	267	242	213	182	145	99.4	56.2	25.0	11.6	7.61	4.90	2.82	1.34	0.43
-60	481	474	464	450	429	403	373	339	291	236	175	110	51.2	17.1	8.75	4.67	1.94	0.43
-50	607	600	589	571	547	519	486	447	399	341	275	201	123	55.0	14.8	6.77	2.57	0.43
-40	708	701	690	669	642	611	575	532	484	428	356	273	189	101	30.3	8.89	3.20	0.43
-30	774	768	754	734	709	676	636	592	542	487	417	328	237	142	51.5	11.0	3.77	0.43
-20	812	805	792	773	746	714	675	629	577	518	450	364	266	169	68.6	13.0	4.21	0.43
-10	825	819	806	787	761	728	689	643	590	531	463	380	279	182	78.1	14.1	4.47	0.43
0	818	811	798	778	752	720	681	637	584	526	459	376	276	181	78.7	14.2	4.55	0.43
10	779	771	758	739	715	685	648	606	556	499	433	353	258	169	72.6	13.6	4.43	0.43
20	724	717	705	686	663	633	597	555	507	454	389	310	225	145	59.1	12.2	4.13	0.43
30	647	639	627	610	588	559	525	485	440	388	326	252	183	111	40.6	10.3	3.67	0.43
40	534	528	515	502	482	456	426	391	350	301	243	186	133	71.8	22.1	8.25	3.09	0.43
50	396	391	380	367	351	329	303	273	237	196	154	119	75.4	34.1	12.0	6.21	2.47	0.43
60	211	211	205	188	180	167	152	132	109	89.2	69.3	48.3	25.8	12.1	7.54	4.23	1.86	0.43
70	31.3	32.2	31.0	28.3	31.2	32.7	29.9	24.8	21.1	20.0	15.1	11.0	8.33	6.13	4.17	2.54	1.28	0.43
80	6.88	6.89	6.80	6.60	6.42	6.25	5.96	5.59	5.11	4.64	4.10	3.50	2.92	2.32	1.75	1.24	0.80	0.43
90	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.42	0.41	0.40	0.39	0.39	0.40	0.41	0.42	0.43
100	1.01	1.00	0.98	0.95	0.92	0.87	0.81	0.76	0.71	0.65	0.60	0.54	0.48	0.44	0.40	0.37	0.35	0.43
110	1.82	1.79	1.74	1.69	1.61	1.51	1.41	1.30	1.18	1.05	0.91	0.79	0.66	0.58	0.50	0.43	0.36	0.43
120	2.58	2.53	2.47	2.39	2.26	2.13	1.99	1.84	1.66	1.47	1.29	1.09	0.90	0.74	0.60	0.49	0.39	0.43
130	3.32	3.26	3.18	3.06	2.90	2.72	2.53	2.32	2.09	1.86	1.63	1.37	1.14	0.91	0.71	0.55	0.41	0.43
140	3.90	3.86	3.76	3.62	3.48	3.28	3.03	2.76	2.48	2.19	1.91	1.63	1.35	1.07	0.82	0.60	0.44	0.43
150	4.27	4.21	4.12	4.00	3.85	3.65	3.41	3.12	2.80	2.47	2.16	1.85	1.52	1.20	0.90	0.65	0.46	0.43
160	4.51	4.44	4.34	4.21	4.05	3.86	3.63	3.34	3.03	2.69	2.35	2.00	1.64	1.30	0.96	0.68	0.47	0.43
170	4.62	4.57	4.44	4.30	4.13	3.95	3.73	3.47	3.16	2.82	2.45	2.09	1.72	1.35	1.00	0.70	0.48	0.43
180	4.62	4.48	4.38	4.26	4.12	3.93	3.72	3.47	3.17	2.85	2.47	2.11	1.73	1.36	1.00	0.71	0.48	0.43

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 November 2017

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.680m [K=1.0000]
 Remarks: