

LED FLOODLIGHT

BLP-FL12W04 NW CRI>80



Light Output Ratio:	100.0%
Luminaire Power:	13.2 W
90% Beam Spread	44.8V x 41.4H
50% Beam Lumens	763.5 lumens per klm.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jonny
Test Date:2014-07-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

BLP-FL12W04 NW CRI>80

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	422.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	139.1V x 137.1H
	At 50% of Imax	104.0V x 104.7H
	At 90% of Imax	44.8V x 41.4H

Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	978.7 lumens per klm.
	To 50% of Imax	763.5 lumens per klm.
	To 90% of Imax	171.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

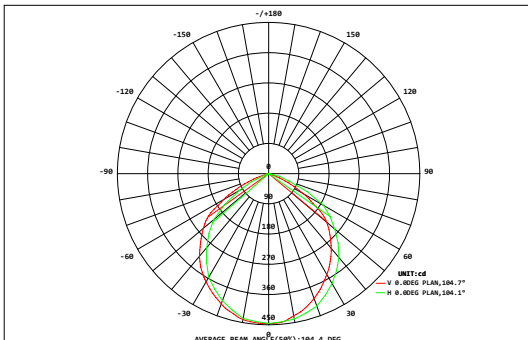
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jonny
Test Date:2014-07-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.0660A P:13.20W PF:0.9040 Lamp Flux:1056.32x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:1.07Kg
DIM.: 175x135x42mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOOP LIGHTING CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:80.02lm/W	
MODEL BLP-FL12W04 NW CRI>80	Imax(cd)	446.2	
NOMINAL POWER(W)	12	AVAILABILITY(%)	98.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1037
NOMINAL FLUX(lm)	1056.32	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1056
TEST VOLTAGE(V)	220.5	θ @50%(H,V)	105,104DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a			
	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	0.00	
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	0.00	
80	0.01	0.04	0.07	0.10	0.20	0.43	0.69	0.83	0.88	0.88	0.81	0.67	0.44	0.21	0.10	0.07	0.04	0.02	6.49	2.40		
70	0.01	0.03	0.06	0.24	0.91	1.96	2.85	3.34	3.57	3.54	3.25	2.72	1.87	0.86	0.25	0.07	0.04	0.01	25.6	23.9		
60	0.01	0.04	0.11	0.87	2.57	4.42	5.64	6.48	6.95	6.88	6.36	5.45	4.16	2.35	0.76	0.12	0.04	0.01	53.2	52.4		
50	0.01	0.04	0.31	1.70	3.90	5.68	7.13	8.18	8.82	8.70	8.03	6.91	5.48	3.64	1.53	0.27	0.04	0.01	70.4	69.8		
40	0.01	0.04	0.62	2.44	4.87	6.80	8.54	9.87	10.7	10.6	9.68	8.30	6.54	4.58	2.22	0.52	0.05	0.01	86.4	85.9		
30	0.01	0.05	0.87	3.01	5.43	7.65	9.59	11.1	12.1	12.0	10.9	9.32	7.33	5.19	2.76	0.76	0.06	0.01	98.1	97.8		
20	0.01	0.08	1.07	3.39	5.84	8.28	10.4	12.1	13.1	13.0	11.8	10.0	7.89	5.57	3.12	0.92	0.07	0.01	107	106		
10	0.01	0.09	1.16	3.50	5.99	8.50	10.7	12.5	13.4	13.4	12.2	10.3	8.10	5.71	3.27	1.02	0.08	0.01	110	110		
0	0.01	0.10	1.17	3.51	5.99	8.48	10.6	12.4	13.4	13.4	12.2	10.3	8.08	5.69	3.25	1.00	0.08	0.01	110	109		
-10	0.01	0.09	1.05	3.28	5.71	8.08	10.1	11.8	12.7	12.7	11.6	9.86	7.74	5.47	3.05	0.90	0.08	0.01	104	104		
-20	0.01	0.08	0.88	2.89	5.24	7.37	9.25	10.6	11.5	11.4	10.4	8.88	6.97	4.93	2.60	0.71	0.06	0.01	93.8	93.4		
-30	0.01	0.06	0.62	2.28	4.47	6.33	7.98	9.13	9.78	9.72	8.90	7.63	6.01	4.18	2.00	0.49	0.06	0.01	79.7	79.2		
-40	0.01	0.05	0.35	1.52	3.31	4.93	6.23	7.14	7.58	7.51	6.92	5.92	4.62	2.96	1.26	0.24	0.06	0.01	60.6	59.9		
-50	0.01	0.05	0.15	0.72	1.82	3.09	4.04	4.68	4.96	4.89	4.48	3.74	2.75	1.50	0.53	0.11	0.05	0.01	37.6	36.4		
-60	0.01	0.04	0.08	0.18	0.51	0.94	1.36	1.59	1.65	1.58	1.38	1.05	0.62	0.31	0.12	0.08	0.05	0.01	11.6	7.02		
-70	0.01	0.04	0.07	0.09	0.09	0.10	0.11	0.12	0.12	0.12	0.12	0.11	0.10	0.09	0.09	0.09	0.07	0.04	0.01	1.50	0.00	
-80	0.01	0.02	0.03	0.05	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.91	0.00		
-90	0.01	0.02	0.03	0.05	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.91	0.00		
Φ t	0.19	0.96	8.68	29.8	56.9	83.1	105	122	131	130	119	101	78.7	53.3	26.9	7.38	0.93	0.23	1056	---		
Φ a	0.00	0.07	7.00	28.6	55.7	82.0	104	121	130	129	118	100	77.3	52.4	25.6	5.54	0.01	0.00	---	1037		

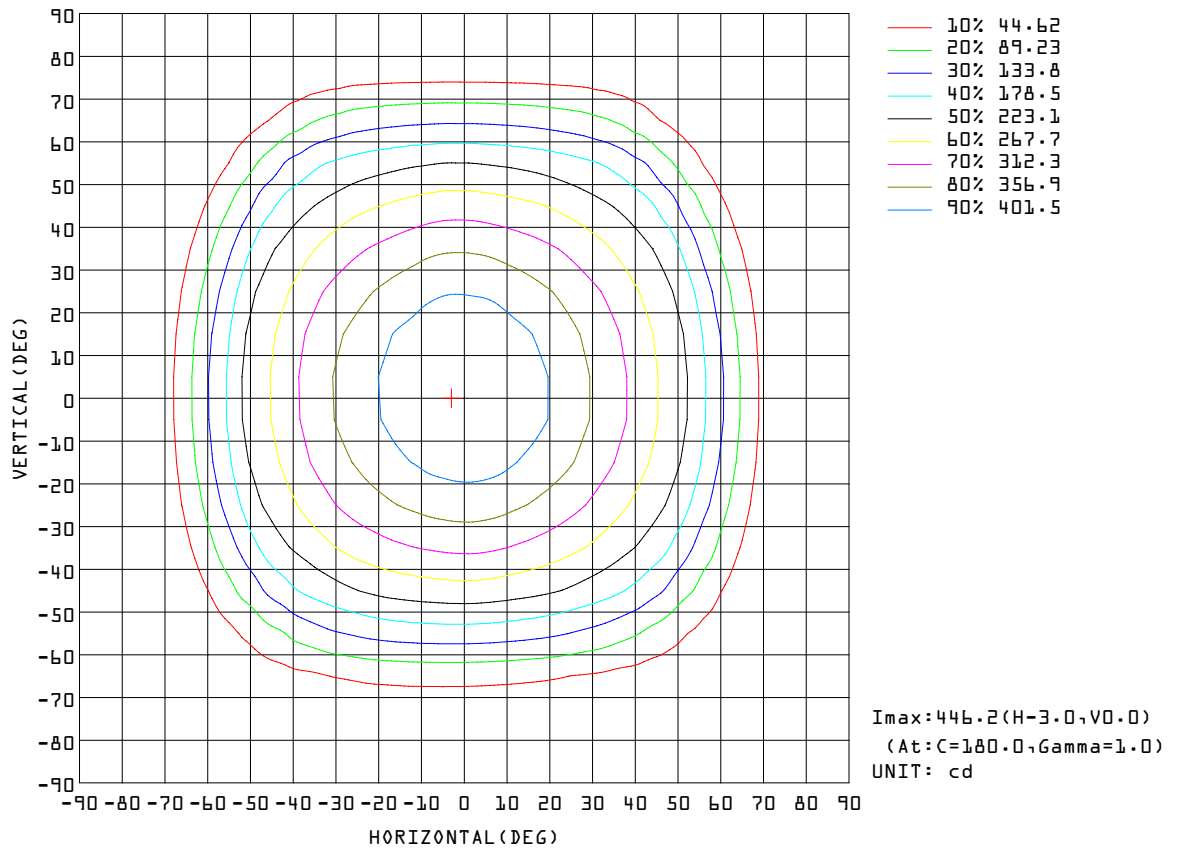
one-half-peak spread: U:49.3,D:55.4 , L:51.6,R:53.7 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jonny
Test Date:2014-07-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.6V I:0.0660A P:13.20W PF:0.9040 Lamp Flux:1056.32x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:1.07Kg
DIM.: 175x135x42mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOOP LIGHTING CO., LTD	SUR.:	PROTECTION ANGLE:

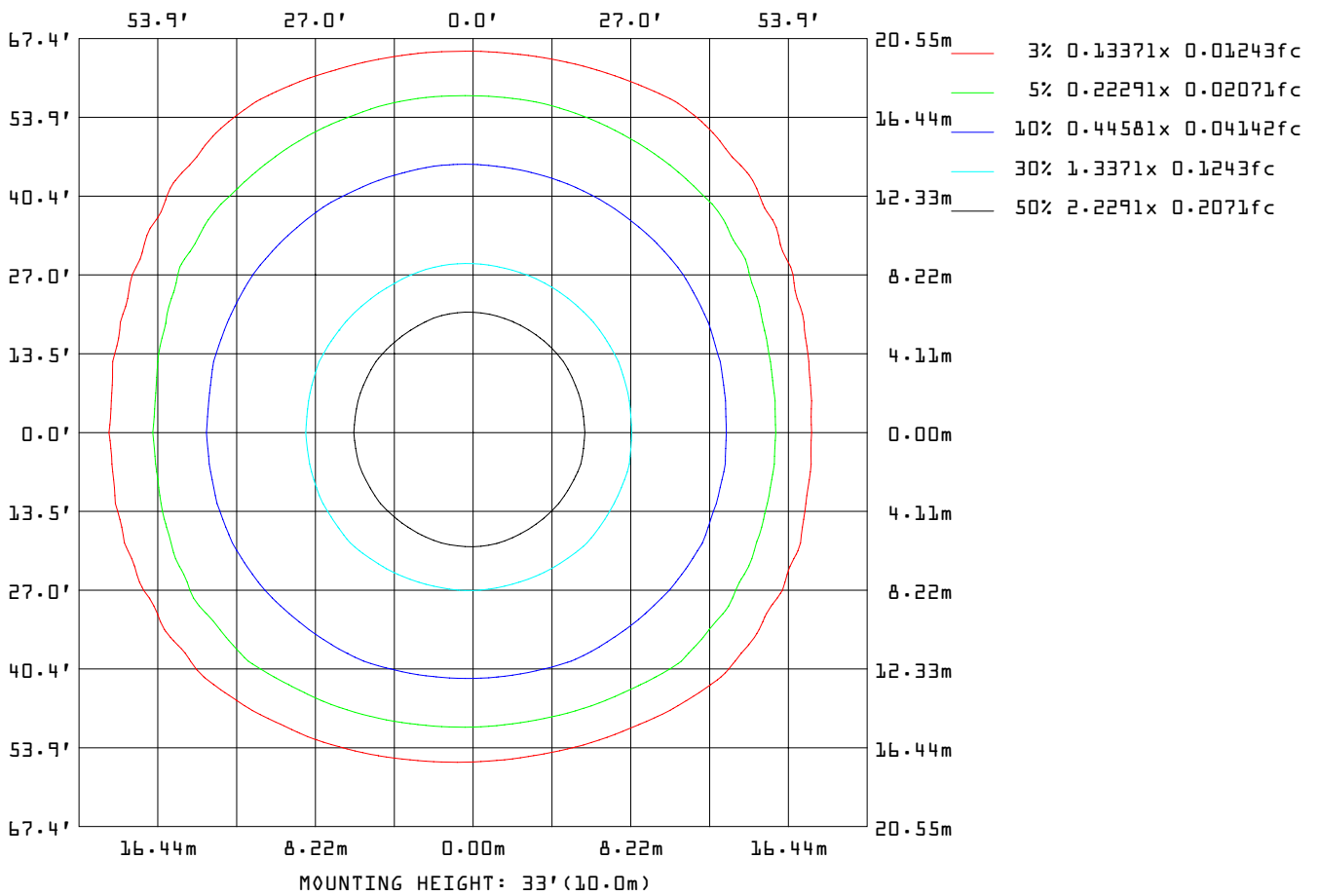


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jonny
 Test Date:2014-07-09

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:7.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.6V I:0.0660A P:13.20W PF:0.9040 Lamp Flux:1056.32x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:1.07Kg
DIM.: 175x135x42mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOO LIGHTING CO., LTD	SUR.:	PROTECTION ANGLE:

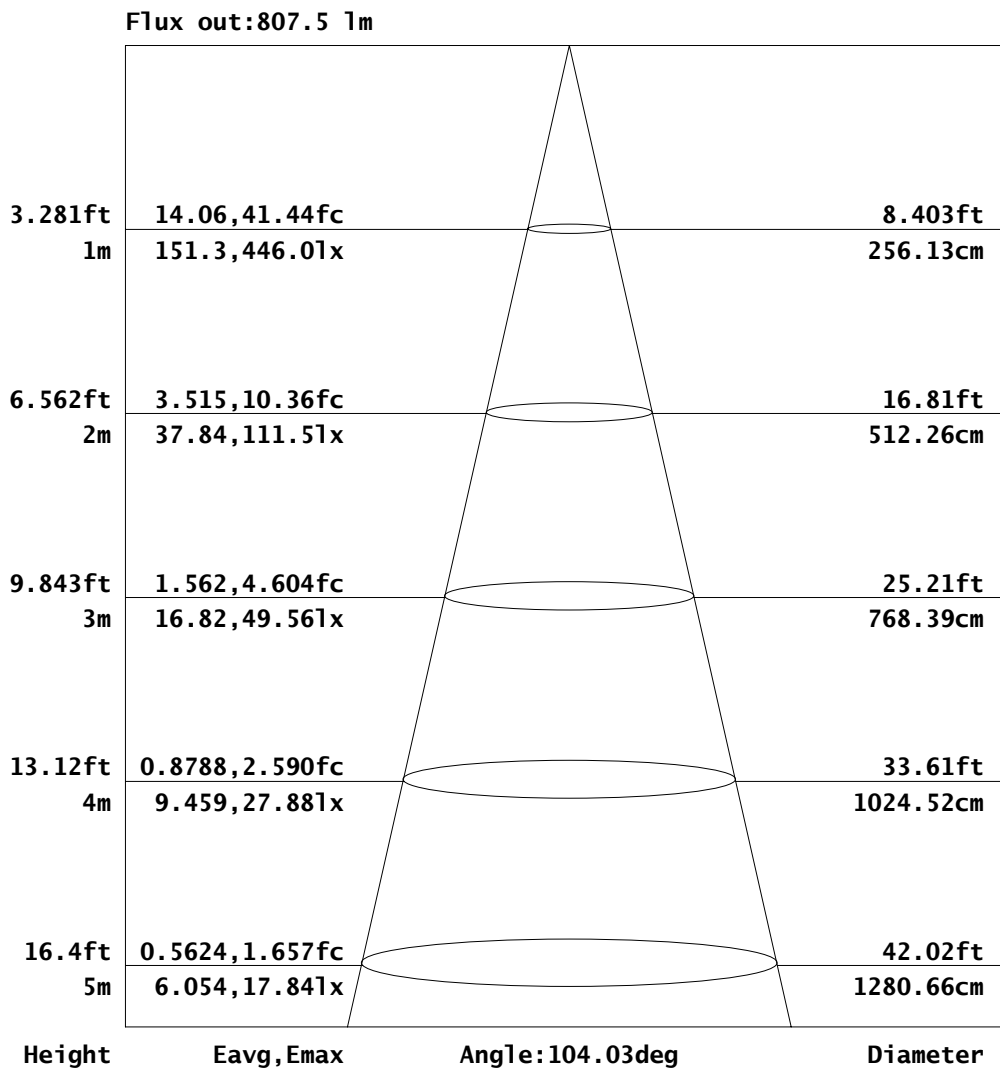


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jonny
Test Date:2014-07-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.6V I:0.0660A P:13.20W PF:0.9040 Lamp Flux:1056.32x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:1.07Kg
DIM.: 175x135x42mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOOP LIGHTING CO., LTD	SUR.:	PROTECTION ANGLE:

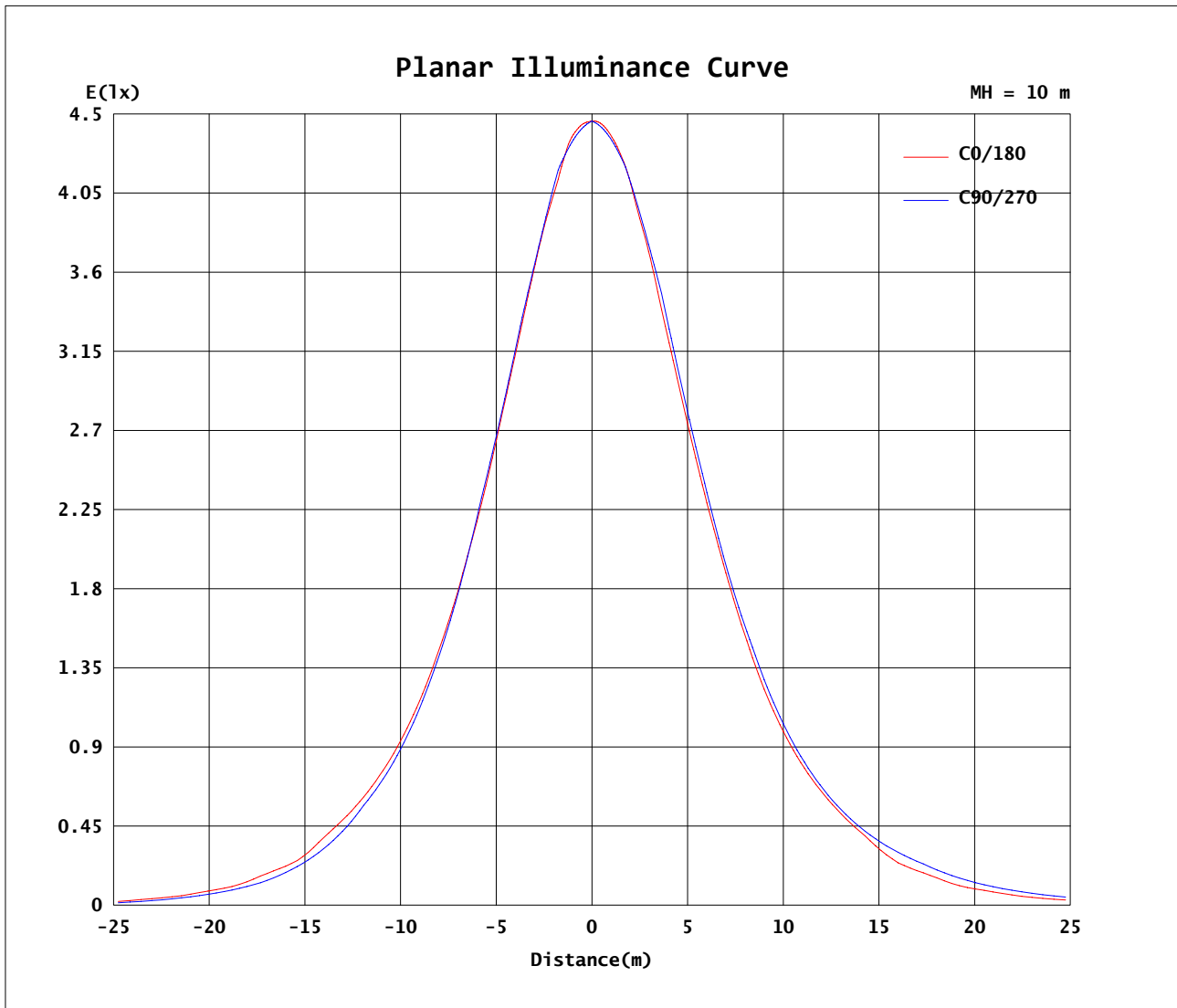


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jonny
Test Date:2014-07-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Speed: HIGH
Temperature:25.3DEG
Operators:Jonny
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V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0660A P:13.20W PF:0.9040 Lamp Flux:1056.32x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:1.07Kg
DIM.: 175x135x42mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOOP LIGHTING CO., LTD	SUR.:	PROTECTION 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
-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
-85	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
-80	3.70	4.37	4.77	4.93	5.07	5.20	5.35	5.52	5.70	5.86	5.97	6.05	6.12	6.15	6.16	6.16	6.14	6.11	6.10
-75	3.55	4.09	4.71	4.99	5.25	5.54	5.86	6.21	6.55	6.86	7.13	7.33	7.46	7.58	7.65	7.71	7.76	7.77	7.75
-70	3.66	4.43	4.91	5.25	5.67	6.13	6.65	7.18	7.66	8.09	8.47	8.72	8.91	9.07	9.19	9.30	9.42	9.40	9.39
-65	3.55	4.14	4.83	5.35	5.91	6.58	7.30	11.1	17.5	25.2	32.9	38.0	46.1	50.1	53.6	55.4	56.4	56.7	56.3
-60	3.71	4.51	5.15	5.88	6.68	7.60	9.39	20.5	33.3	46.7	61.6	74.8	86.0	94.7	99.4	103	104	104	103
-55	3.61	4.19	4.96	5.81	6.78	8.10	18.1	34.3	54.6	77.7	99.8	116	131	140	149	154	157	159	159
-50	3.78	4.52	5.41	6.48	7.72	14.5	37.9	66.5	96.1	121	152	171	183	194	203	208	213	214	214
-45	3.72	4.21	5.08	6.25	7.64	17.8	43.9	75.5	109	147	173	194	209	223	234	241	246	249	251
-40	3.87	4.51	5.64	7.09	10.8	39.1	76.1	118	152	192	212	229	247	261	271	278	282	287	287
-35	3.85	4.19	5.09	6.52	9.47	35.9	75.1	118	162	202	226	247	267	285	297	306	314	319	322
-30	3.95	4.38	5.58	7.30	22.6	62.2	107	152	205	233	257	281	303	319	331	341	350	355	357
-25	3.97	4.11	4.92	6.51	15.2	53.8	101	150	204	236	263	290	312	331	346	358	369	376	380
-20	3.99	4.21	5.36	7.32	35.3	81.9	136	189	232	260	290	316	338	356	371	384	395	401	403
-15	4.03	4.01	4.63	6.19	21.6	66.3	119	172	226	257	287	318	342	362	380	395	408	416	420
-10	3.96	4.01	4.94	7.11	41.4	93.7	150	210	246	278	310	339	363	383	401	416	430	436	438
-5	4.06	3.91	4.41	5.79	26.1	73.7	131	188	237	269	302	333	359	380	400	417	431	439	442
0	3.93	3.91	4.78	7.59	46.7	99.8	155	218	254	286	320	349	373	393	413	428	441	445	446
5	4.07	3.87	4.28	5.49	26.1	74.1	131	189	238	270	303	335	360	382	402	420	434	441	443
10	3.93	3.86	4.61	6.42	41.6	94.7	150	211	248	280	314	343	367	388	407	422	435	439	439
15	4.11	3.87	4.20	5.28	21.6	67.6	121	176	231	263	294	325	350	370	390	407	420	429	430
20	3.97	3.85	4.54	5.84	36.3	84.9	141	200	240	270	301	329	349	369	387	401	415	421	419
25	4.18	3.93	4.16	5.11	14.1	55.1	104	157	214	246	274	302	325	344	361	376	389	398	399
30	4.07	3.92	4.43	5.44	21.6	64.0	111	161	216	244	269	295	316	333	347	360	373	378	377
35	4.28	4.04	4.15	4.94	7.30	36.8	79.8	127	178	219	243	267	289	305	319	332	343	351	352
40	4.18	4.04	4.41	5.23	8.73	41.9	84.5	132	179	215	236	257	276	290	301	313	322	327	326
45	4.36	4.15	4.15	4.73	5.57	17.2	49.0	87.1	129	172	205	223	241	256	267	277	285	291	292
50	4.29	4.17	4.29	4.85	5.61	14.2	45.1	81.8	122	161	189	204	219	232	240	248	254	258	257
55	4.42	4.23	4.15	4.47	5.05	6.09	19.2	44.9	77.5	110	146	170	184	197	206	213	219	223	223
60	4.34	4.26	4.16	4.53	5.02	5.61	10.4	35.2	62.1	91.3	119	148	160	170	177	183	187	189	188
65	4.44	4.28	4.21	4.26	4.55	4.98	5.59	15.0	29.0	47.0	67.0	87.6	100.0	111	117	121	124	126	126
70	4.36	4.30	4.21	4.18	4.41	4.74	5.07	5.61	8.42	17.3	27.1	38.3	49.4	57.0	60.5	62.6	63.8	64.3	64.1
75	4.43	4.30	4.30	4.23	4.26	4.41	4.58	4.83	5.23	9.01	14.3	19.6	24.7	30.4	32.3	33.8	34.5	35.0	34.9
80	4.37	4.31	4.32	4.25	4.21	4.21	4.22	4.37	4.44	4.56	4.74	4.89	5.09	5.32	5.52	5.67	5.76	5.74	5.75
85	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
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jonny
Test Date:2014-07-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0660A P:13.20W PF:0.9040 Lamp Flux:1056.32x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:1.07Kg
DIM.: 175x135x42mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOOP LIGHTING CO., LTD	SUR.:	PROTECTION 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
-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
-85	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
-80	6.10	6.09	6.08	6.04	5.98	5.90	5.85	5.82	5.68	5.52	5.37	5.24	5.15	5.07	4.97	4.75	4.38	3.81
-75	7.74	7.72	7.64	7.56	7.45	7.30	7.17	7.07	6.87	6.57	6.26	5.96	5.69	5.45	5.26	5.04	4.71	4.08
-70	9.35	9.30	9.15	9.00	8.81	8.59	8.41	8.19	7.82	7.38	6.90	6.44	6.03	5.67	5.39	5.12	4.58	3.95
-65	55.3	53.6	51.3	48.4	44.1	39.8	32.8	28.0	21.8	15.9	10.6	7.57	6.90	6.32	5.82	5.40	4.97	4.25
-60	100.0	96.3	91.5	84.8	75.8	67.2	52.6	41.4	31.0	19.4	11.2	8.14	7.28	6.54	5.89	5.38	4.77	4.17
-55	157	154	148	142	133	122	108	93.2	72.4	53.9	34.6	19.3	9.42	7.42	6.53	5.77	5.18	4.46
-50	212	207	201	193	181	168	152	128	99.8	71.8	45.4	22.0	8.82	7.54	6.54	5.67	5.00	4.41
-45	249	244	237	229	217	203	189	169	143	108	77.9	46.1	20.4	8.61	7.22	6.13	5.35	4.70
-40	282	275	267	256	243	227	210	190	163	123	83.8	48.6	18.6	8.42	6.99	5.85	5.14	4.73
-35	320	312	303	292	278	262	243	222	199	162	120	78.2	41.3	13.3	7.76	6.36	5.42	4.94
-30	352	342	330	316	300	281	260	236	210	170	126	79.0	37.1	9.70	7.32	5.95	5.26	5.01
-25	377	368	356	342	325	306	284	260	234	204	154	107	60.0	21.6	8.00	6.35	5.40	5.12
-20	397	385	371	356	336	314	289	263	236	203	147	96.6	49.9	12.8	7.18	5.78	5.27	5.23
-15	418	409	395	379	360	336	313	286	258	227	183	129	74.9	30.0	7.94	6.15	5.32	5.22
-10	434	420	406	388	365	342	316	286	256	222	166	113	61.6	18.4	6.96	5.65	5.25	5.35
-5	441	432	417	400	379	354	329	300	270	238	199	141	84.0	34.6	7.64	5.93	5.22	5.24
0	444	430	416	395	372	347	320	290	258	226	173	118	63.6	18.9	6.59	5.46	5.18	5.36
5	442	432	419	400	379	354	329	300	270	238	200	141	84.5	34.6	7.27	5.75	5.12	5.21
10	436	422	408	388	366	342	316	287	256	224	169	114	62.2	17.9	6.40	5.35	5.11	5.36
15	428	418	404	387	366	343	320	292	263	232	189	132	76.8	30.1	6.91	5.60	5.05	5.18
20	415	402	387	370	348	327	302	275	245	212	153	100	52.1	11.9	6.10	5.21	5.07	5.31
25	396	386	374	359	341	320	298	272	245	215	164	112	62.8	21.0	6.51	5.43	5.00	5.14
30	372	361	348	334	316	297	273	249	223	186	134	82.7	38.1	7.66	5.87	5.10	5.03	5.27
35	349	340	330	318	302	285	265	242	218	182	132	84.2	43.8	11.5	6.06	5.23	4.96	5.09
40	320	311	302	290	275	258	238	217	191	140	94.8	54.8	18.4	6.40	5.49	4.93	4.96	5.18
45	288	282	275	265	253	238	222	203	175	135	93.1	53.1	20.8	6.53	5.58	4.99	4.91	5.02
50	252	247	241	231	219	205	191	171	130	90.8	56.7	25.3	6.64	5.74	5.14	4.79	4.87	5.09
55	221	217	211	204	194	182	168	144	113	81.3	49.0	21.9	7.82	5.65	5.11	4.76	4.83	4.92
60	186	182	176	168	159	148	129	101	69.9	41.7	17.0	6.17	5.55	5.09	4.72	4.71	4.77	4.96
65	125	123	120	114	108	98.8	86.5	66.7	47.2	29.3	16.1	6.02	5.31	4.94	4.67	4.62	4.73	4.80
70	63.1	61.3	58.9	55.0	51.3	41.4	31.4	21.5	11.5	5.89	5.37	5.02	4.74	4.52	4.52	4.64	4.65	4.82
75	34.7	33.9	32.9	31.1	29.2	25.0	19.8	14.7	10.0	5.55	4.96	4.71	4.58	4.50	4.49	4.57	4.61	4.69
80	5.84	5.81	5.69	5.53	5.35	5.18	5.00	4.78	4.58	4.44	4.31	4.29	4.35	4.43	4.52	4.54	4.56	4.66
85	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
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jonny
Test Date:2014-07-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks: