

LED FLOODLIGHT

BLP-FL48W04 NW CRI>80



Light Output Ratio:	100.0%
Luminaire Power:	52.3 W
90% Beam Spread	47.4V x 48.3H
50% Beam Lumens	765.2 lumens per klm.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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-FL48W04 NW CRI&gt;80

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	386.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
---	---

Beam Spread	At 10% of Imax	149.2V x 141.7H
	At 50% of Imax	109.7V x 109.8H
	At 90% of Imax	47.4V x 48.3H

Beam Flux	Total	999.0 lumens per klm.
	To 10% of Imax	981.7 lumens per klm.
	To 50% of Imax	765.2 lumens per klm.
	To 90% of Imax	174.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

Luminaire Efficiency(Light Output Ratio)	100.0 %
--	---------

---

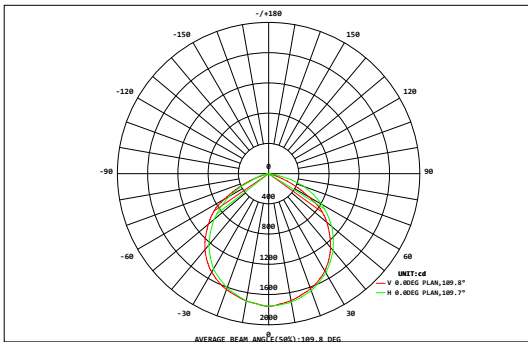
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jonny  
Test Date:2014-07-09

---

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:220.5V I:0.2520A P:52.30W PF:0.9390 Lamp Flux:4542.66x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:3.08Kg
DIM.: 290x225x55mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOOP LIGHTING CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:86.86lm/W	
MODEL BLP-FL48W04 NW CRI>80	Imax(cd)	1755	
NOMINAL POWER(W)	50	AVAILABILITY(%)	98.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	4474
NOMINAL FLUX(lm)	4542.66	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	4543
TEST VOLTAGE(V)	220.6	θ @50%(H,V)	110,110DEG

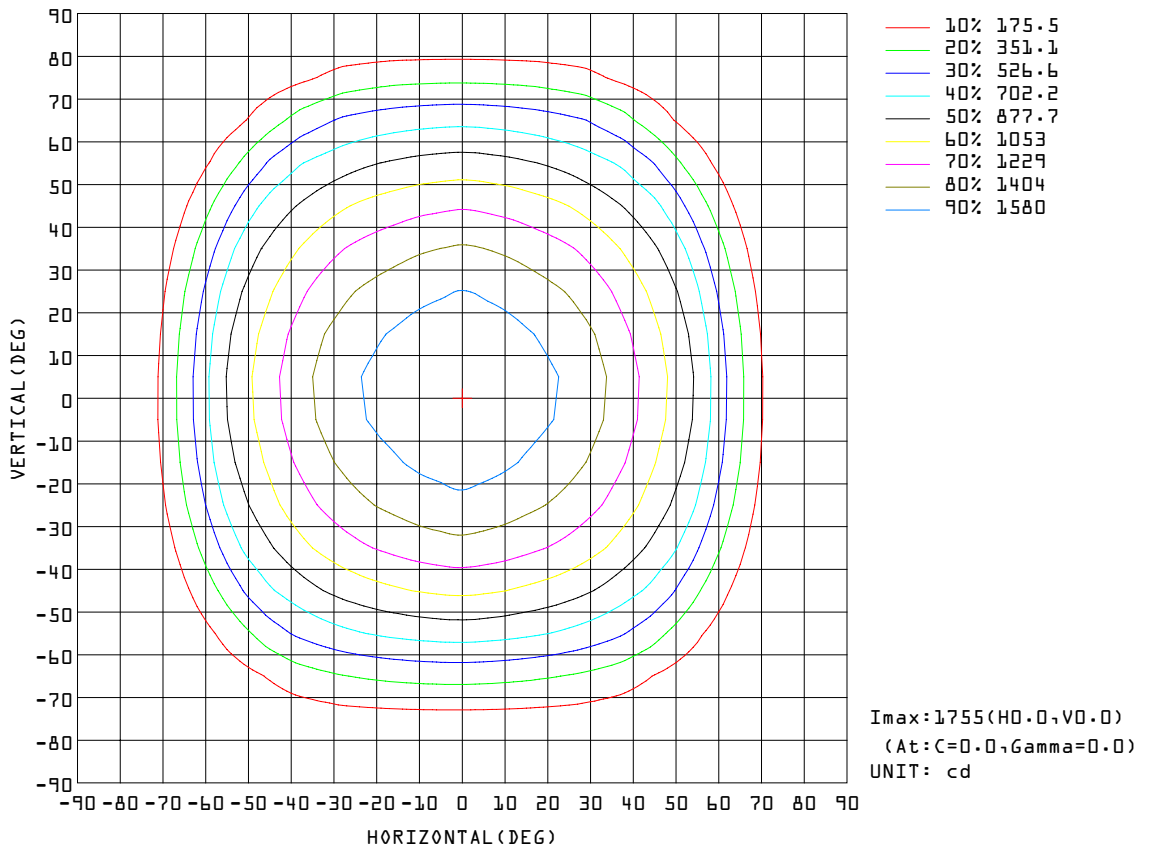
VERTICAL( DEG )	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.06	0.20	0.32	0.51	1.57	3.49	6.11	7.91	8.58	8.53	7.79	5.98	3.42	1.54	0.55	0.36	0.21	0.07	57.2	42.1
70	0.05	0.16	0.33	1.63	5.72	11.4	16.1	18.7	20.1	20.0	18.4	15.7	11.0	5.31	1.47	0.34	0.18	0.06	147	142
60	0.05	0.16	0.85	4.93	11.8	18.4	23.1	26.6	28.7	28.6	26.4	22.6	17.8	11.1	4.42	0.75	0.19	0.06	226	224
50	0.05	0.18	2.15	8.29	16.6	23.4	29.5	33.8	36.4	36.4	33.6	29.1	22.9	16.0	7.70	1.86	0.20	0.06	298	296
40	0.05	0.27	3.56	11.3	20.0	27.9	34.8	39.8	42.8	42.7	39.5	34.4	27.2	19.4	10.5	3.10	0.26	0.06	358	356
30	0.05	0.44	4.63	13.3	22.4	31.3	38.8	44.2	47.6	47.5	44.0	38.5	30.7	21.9	12.7	4.18	0.39	0.06	403	402
	0.05	0.60	5.46	14.8	24.3	33.9	41.7	47.3	50.7	50.7	47.1	41.3	33.1	23.6	14.0	4.87	0.50	0.06	434	433
	0.05	0.67	5.78	15.4	25.3	35.1	43.2	48.9	52.3	52.3	48.7	42.9	34.5	24.6	14.8	5.29	0.58	0.07	451	449
	0.05	0.70	5.82	15.4	25.1	34.9	42.9	48.6	52.1	52.1	48.4	42.6	34.2	24.4	14.6	5.19	0.57	0.07	448	447
	0.05	0.60	5.29	14.3	23.6	32.9	40.7	46.3	49.8	49.8	46.1	40.4	32.4	23.0	13.7	4.80	0.53	0.07	424	423
-30	0.06	0.49	4.52	12.8	21.6	30.3	37.5	42.8	46.2	46.1	42.6	37.2	29.6	20.9	12.0	3.94	0.42	0.07	389	388
-40	0.06	0.32	3.29	10.5	18.7	26.4	33.0	37.8	40.7	40.6	37.5	32.6	25.8	18.0	9.70	2.91	0.32	0.07	338	337
-50	0.06	0.23	2.03	7.45	14.7	21.2	26.7	30.6	33.0	32.8	30.3	26.2	20.5	14.0	6.62	1.68	0.26	0.07	268	266
-60	0.06	0.21	0.86	4.05	9.64	14.9	19.0	22.0	23.6	23.5	21.7	18.5	14.3	8.91	3.61	0.77	0.25	0.07	186	182
-70	0.06	0.20	0.35	1.45	4.12	7.57	10.1	11.8	12.6	12.5	11.5	9.61	6.99	3.56	1.20	0.36	0.23	0.06	94.3	86.3
-80	0.05	0.18	0.31	0.32	0.63	1.28	2.08	2.42	2.56	2.52	2.29	1.88	1.15	0.61	0.37	0.35	0.20	0.06	19.3	1.19
-90	0.03	0.09	0.15	0.20	0.16	0.09	0.07	0.06	0.06	0.06	0.07	0.08	0.12	0.20	0.22	0.16	0.09	0.03	1.93	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL( DEG )	20	30	40	50	60	70	80	90			
Φ t	0.89	5.70	45.7	137	246	354	445	510	548	547	506	439	346	237	128	40.9	5.37	1.07	4543	---
Φ a	0.00	0.71	40.2	132	242	352	442	506	545	543	502	436	343	232	123	34.6	0.00	0.00	---	4474

one-half-peak spread: U:52.4,D:58.0 , L:55.8,R:54.5 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Temperature:25.3DEG	Humidity:65.0%
Operators:Jonny	Test Distance:7.300m [K=1.0000]
Test Date:2014-07-09	Remarks:

### ISOCANDELA DIAGRAM

Test:U:220.5V I:0.2520A P:52.30W PF:0.9390 Lamp Flux:4542.66x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:3.08Kg
DIM.: 290x225x55mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOOP LIGHTING CO., LTD	SUR.:	PROTECTION ANGLE:

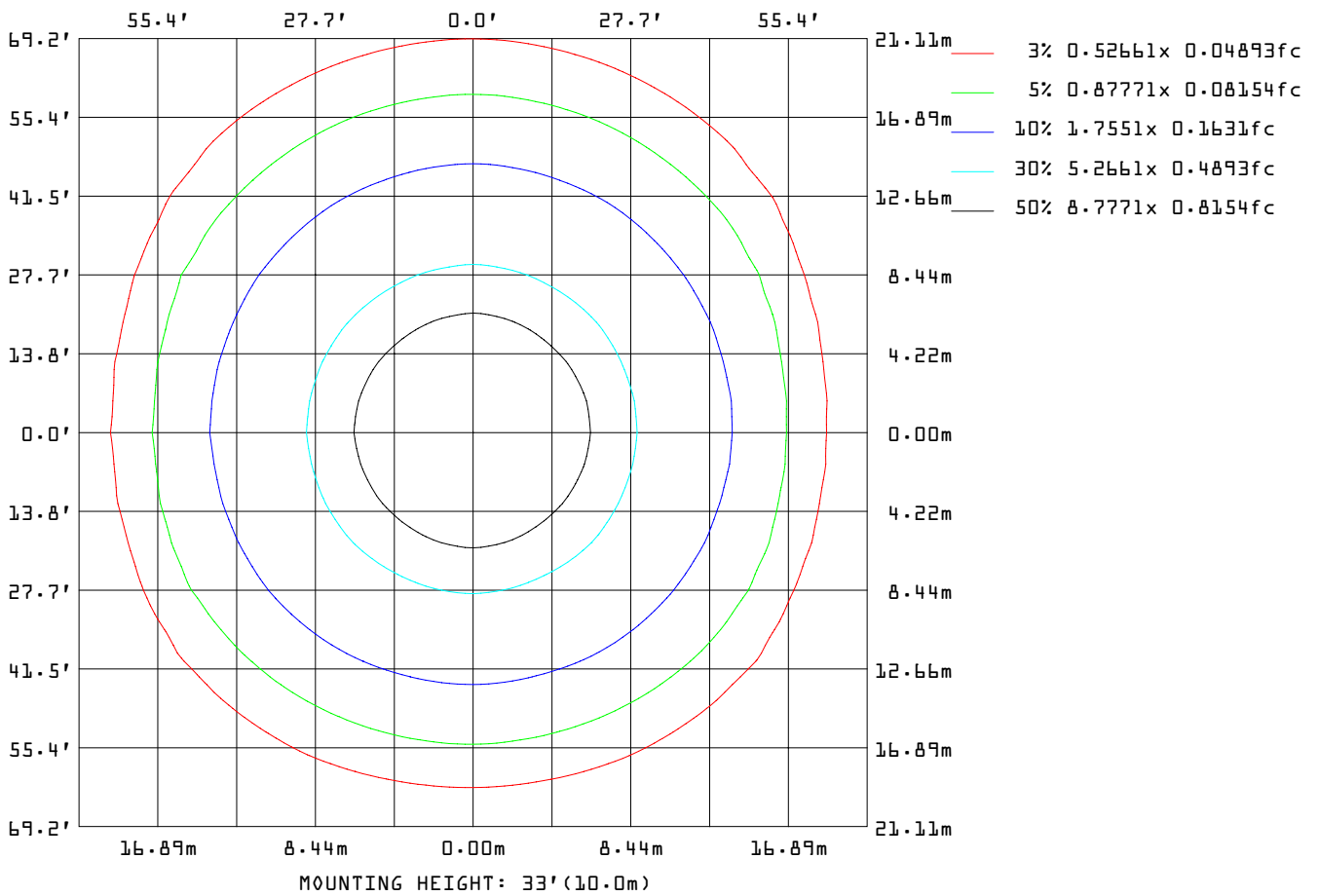


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jonny  
 Test Date:2014-07-09

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:

### ISOLUX DIAGRAM

Test:U:220.5V I:0.2520A P:52.30W PF:0.9390 Lamp Flux:4542.66x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:3.08Kg
DIM.: 290x225x55mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOO LIGHTING CO., LTD	SUR.:	PROTECTION ANGLE:

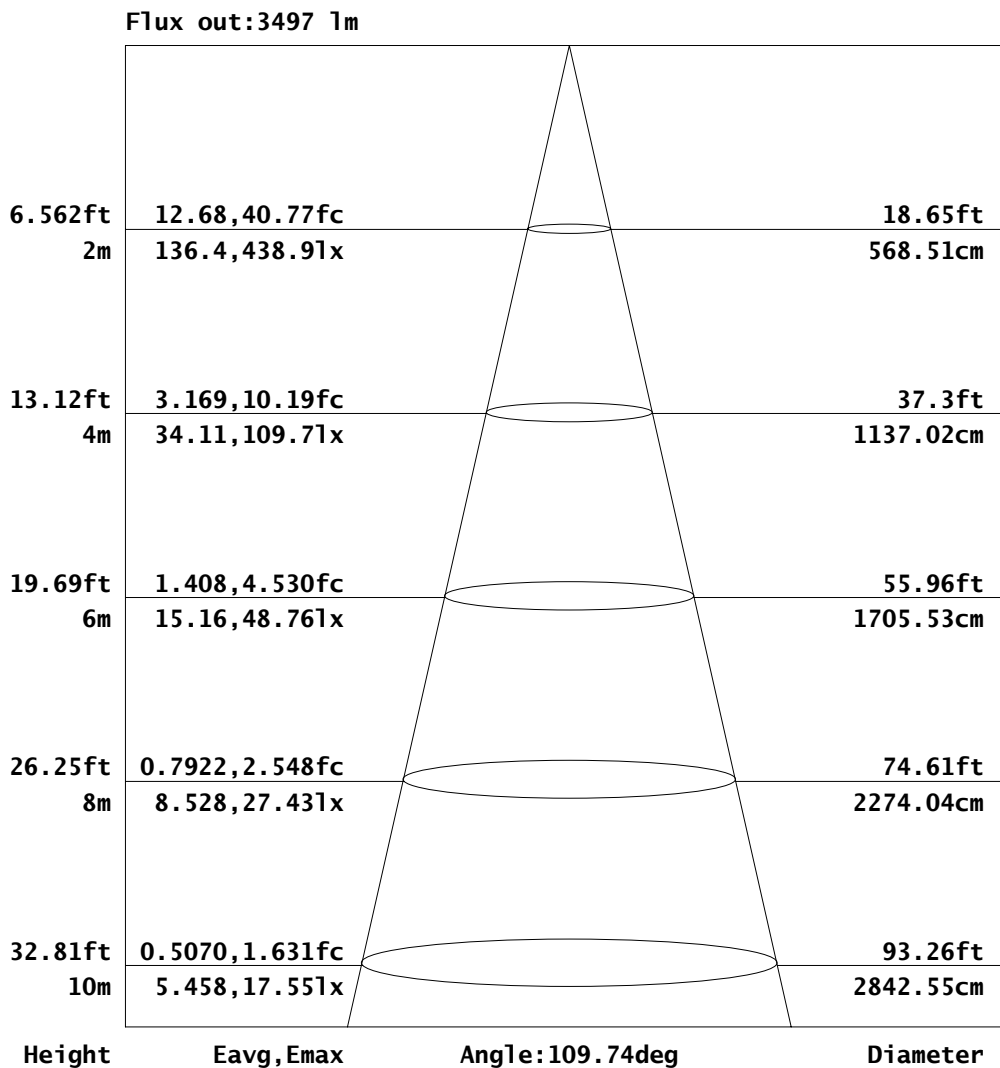


**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jonny**  
**Test Date:2014-07-09**

**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:220.5V I:0.2520A P:52.30W PF:0.9390 Lamp Flux:4542.66x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:3.08Kg
DIM.: 290x225x55mm	SPEC.:NW CRI>80	SERIAL No.:
MFR.: SHENZHEN BRILLOOP LIGHTING CO., LTD	SUR.:	PROTECTION ANGLE:

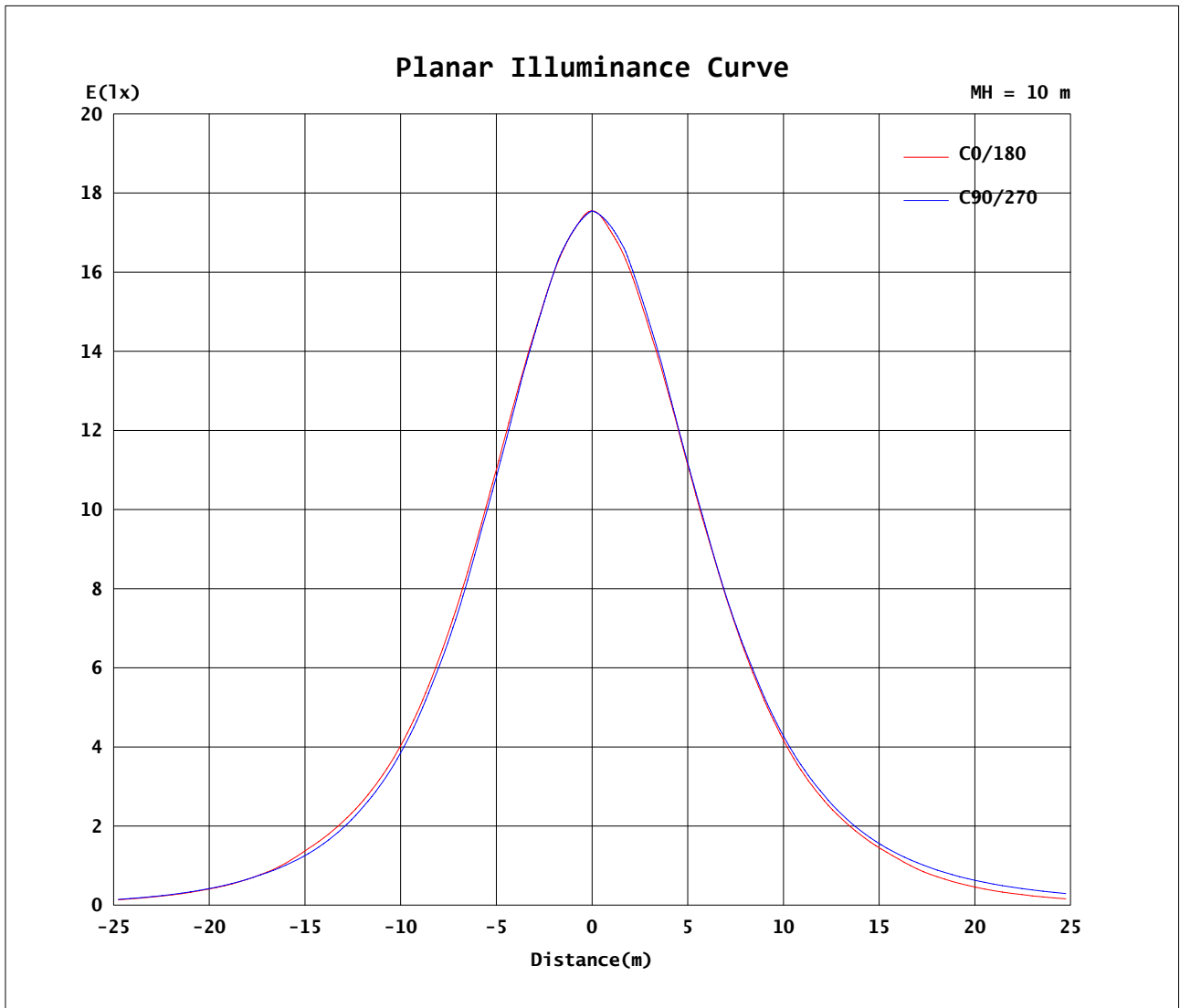


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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



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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:0.2520A P:52.30W PF:0.9390 Lamp Flux:4542.66x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:3.08Kg
DIM.: 290x225x55mm	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	16.9	19.8	21.6	22.7	23.4	23.9	24.4	25.1	25.7	26.3	26.7	27.0	27.3	27.4	27.3	27.2	27.1	27.0	27.1
-75	16.8	19.9	22.1	23.4	24.6	25.5	26.4	27.4	35.9	48.0	62.4	77.1	93.3	102	107	111	113	114	114
-70	16.7	20.1	22.7	24.1	25.7	27.1	28.4	29.8	46.0	69.7	98.2	127	159	177	187	195	199	202	201
-65	16.7	20.3	23.2	25.2	27.1	29.1	51.1	86.7	135	190	251	295	331	358	376	391	401	408	408
-60	16.7	20.6	23.6	26.3	28.5	31.1	73.8	144	223	311	405	462	503	539	566	588	603	613	616
-55	16.8	20.6	23.9	27.0	29.6	62.4	136	230	335	446	531	593	644	685	718	743	763	777	781
-50	16.8	20.7	24.3	27.7	30.6	93.7	197	316	447	581	657	724	785	831	870	898	923	940	946
-45	17.0	20.6	24.6	28.0	51.8	146	272	414	564	682	767	844	908	960	1002	1034	1062	1082	1090
-40	17.2	20.6	24.9	28.4	73.0	197	347	511	682	783	877	963	1032	1089	1134	1171	1202	1224	1234
-35	17.3	20.3	24.5	28.2	100	243	409	590	752	860	963	1054	1129	1190	1238	1278	1311	1334	1348
-30	17.4	19.9	24.1	27.9	127	289	472	669	821	937	1050	1145	1226	1290	1341	1384	1421	1445	1463
-25	17.5	19.6	23.4	32.4	156	331	528	732	876	995	1113	1210	1292	1358	1410	1453	1492	1517	1537
-20	17.6	19.3	22.7	36.8	184	374	584	796	930	1054	1176	1275	1357	1425	1479	1521	1563	1589	1610
-15	17.6	19.0	21.7	40.7	196	395	611	825	962	1091	1216	1318	1403	1472	1528	1570	1612	1636	1660
-10	17.6	18.7	20.7	44.5	207	416	639	854	994	1128	1255	1361	1448	1519	1577	1619	1660	1684	1709
-5	17.7	18.6	20.2	49.5	219	430	659	875	1018	1154	1283	1389	1476	1547	1604	1644	1684	1708	1732
0	17.7	18.4	19.6	54.6	232	443	678	896	1042	1180	1310	1418	1504	1575	1632	1670	1708	1731	1755
5	17.7	18.4	19.4	48.3	220	432	664	885	1031	1167	1297	1404	1491	1561	1617	1656	1694	1717	1742
10	17.8	18.3	19.1	42.0	208	421	650	873	1020	1153	1283	1391	1477	1548	1602	1642	1680	1703	1729
15	18.0	18.4	19.1	36.7	197	403	626	849	992	1121	1246	1354	1438	1508	1561	1603	1641	1665	1689
20	18.1	18.5	19.1	31.4	187	386	603	825	965	1088	1209	1317	1399	1468	1520	1563	1601	1626	1649
25	18.3	18.7	19.2	25.5	159	345	551	765	917	1036	1150	1255	1338	1405	1456	1499	1537	1561	1583
30	18.5	19.0	19.3	19.6	130	305	500	704	868	984	1090	1192	1277	1342	1392	1435	1473	1496	1517
35	18.7	19.2	19.4	19.7	101	261	442	634	809	920	1020	1113	1195	1258	1306	1347	1383	1405	1423
40	19.0	19.5	19.6	19.8	72.8	216	385	563	750	857	950	1034	1113	1174	1220	1259	1293	1314	1329
45	19.2	19.6	19.6	20.0	46.5	159	308	469	637	770	859	936	1007	1066	1110	1146	1178	1198	1211
50	19.4	19.8	19.6	20.1	20.3	101	232	375	525	682	768	839	901	958	1001	1033	1063	1081	1092
55	19.5	19.6	19.7	20.1	20.3	60.7	159	281	411	550	652	729	784	834	873	902	927	943	952
60	19.6	19.4	19.8	20.0	20.3	20.5	85.8	187	297	417	536	620	668	709	745	771	792	805	811
65	19.5	19.3	19.9	19.9	20.1	20.3	53.0	104	185	281	380	462	527	573	603	625	643	653	658
70	19.5	19.1	20.0	19.8	19.9	20.2	20.2	21.7	73.2	145	224	304	386	437	461	480	494	502	505
75	19.6	19.2	19.8	19.9	20.0	20.0	20.1	20.9	46.6	82.6	122	165	216	251	274	292	301	305	307
80	19.6	19.2	19.6	20.1	20.1	19.9	20.0	20.0	20.0	20.0	20.0	26.4	46.6	66.2	87.0	105	107	109	109
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:220.5V I:0.2520A P:52.30W PF:0.9390 Lamp Flux:4542.66x1 lm		
NAME: LED FLOODLIGHT	TYPE:LED	WEIGHT:3.08Kg
DIM.: 290x225x55mm	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	27.4	27.6	27.9	28.2	28.2	28.2	28.3	28.3	27.9	27.1	26.4	26.0	25.5	24.6	23.2	22.2	21.1	18.5
-75	113	111	107	102	96.4	85.0	71.8	58.2	45.5	34.6	29.4	28.7	27.8	26.5	25.1	23.6	21.6	18.9
-70	199	193	187	176	165	142	115	88.0	63.1	42.1	32.4	31.4	30.2	28.5	27.1	25.0	22.1	19.2
-65	404	394	382	364	342	311	276	225	168	118	76.2	45.0	32.2	30.4	28.4	26.1	22.7	19.6
-60	609	595	577	551	520	481	437	361	274	194	120	58.6	34.2	32.3	29.8	27.2	23.2	19.9
-55	772	756	733	705	668	623	570	497	409	302	202	114	57.2	33.8	31.1	28.0	23.9	20.3
-50	936	916	889	858	816	765	702	633	544	410	284	170	80.2	35.2	32.5	28.8	24.6	20.7
-45	1077	1056	1023	989	943	887	817	738	647	518	371	235	122	44.6	33.1	29.2	24.8	21.1
-40	1219	1195	1158	1120	1071	1009	933	844	749	627	457	301	163	53.9	33.7	29.7	25.1	21.5
-35	1332	1305	1267	1226	1176	1109	1029	933	830	710	539	367	210	80.3	33.8	29.9	25.2	21.8
-30	1445	1415	1376	1332	1280	1209	1125	1023	912	794	621	434	256	107	33.9	30.0	25.4	22.1
-25	1516	1485	1444	1400	1346	1274	1186	1082	965	844	684	480	290	126	33.4	29.5	25.2	22.3
-20	1586	1555	1512	1467	1412	1338	1248	1141	1017	894	747	525	323	145	32.8	28.9	25.0	22.5
-15	1636	1606	1562	1517	1461	1387	1294	1186	1060	933	787	563	352	164	34.9	28.1	25.0	22.7
-10	1685	1656	1612	1567	1511	1435	1341	1231	1102	971	827	601	380	183	37.1	27.4	25.0	22.8
-5	1708	1681	1637	1593	1536	1461	1365	1252	1121	988	840	611	386	185	36.5	26.8	24.8	22.8
0	1731	1705	1662	1619	1562	1487	1389	1274	1141	1005	854	621	391	187	35.9	26.2	24.6	22.8
5	1719	1692	1650	1606	1549	1475	1379	1264	1133	1000	849	618	389	186	35.1	25.9	24.5	22.8
10	1706	1678	1637	1593	1536	1464	1369	1254	1126	994	844	614	387	185	34.2	25.6	24.4	22.8
15	1666	1638	1596	1551	1494	1421	1328	1213	1090	961	811	581	361	166	30.2	25.4	24.3	22.7
20	1626	1597	1555	1508	1452	1379	1286	1172	1054	928	778	547	336	148	26.1	25.1	24.1	22.7
25	1562	1533	1492	1446	1392	1320	1227	1121	1008	886	723	506	305	129	25.7	25.0	24.1	22.7
30	1498	1469	1430	1383	1331	1261	1169	1069	962	844	668	465	274	110	25.4	24.8	24.0	22.7
35	1405	1378	1340	1296	1245	1175	1088	995	894	774	591	402	227	81.1	25.2	24.5	23.7	22.6
40	1313	1286	1250	1208	1158	1089	1007	922	825	704	514	339	180	52.5	25.0	24.2	23.5	22.5
45	1197	1172	1138	1099	1051	986	914	835	742	601	431	274	134	38.7	24.8	24.0	23.0	22.3
50	1081	1058	1026	991	944	884	820	747	659	498	348	209	87.6	24.8	24.6	23.7	22.4	22.2
55	942	922	894	861	819	766	708	625	520	382	254	139	55.9	24.4	24.0	23.4	21.8	21.9
60	803	785	761	732	693	648	596	502	381	266	160	68.4	24.2	24.0	23.4	23.1	21.2	21.7
65	651	637	618	592	559	513	445	357	258	168	91.9	45.8	23.6	23.3	22.9	22.6	20.9	21.4
70	500	489	474	452	425	378	293	212	135	69.7	23.6	23.2	23.0	22.6	22.5	22.0	20.6	21.1
75	304	297	288	270	245	212	160	117	78.7	45.9	22.7	22.4	22.4	22.0	21.6	21.1	20.4	20.8
80	108	105	101	87.9	65.2	46.7	28.2	22.1	22.1	22.0	21.8	21.7	21.8	21.5	20.7	20.2	20.1	20.5
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: