

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		385.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-4.0 degrees horizontal

Beam Spread	At 10% of Imax	151.6V x 155.8H
	At 50% of Imax	106.7V x 113.6H
	At 90% of Imax	22.8V x 53.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	983.3 lumens per klm.
	To 50% of Imax	762.3 lumens per klm.
	To 90% of Imax	221.4 lumens per klm.

Upward LOR	0.1 %
Downward LOR	99.9 %

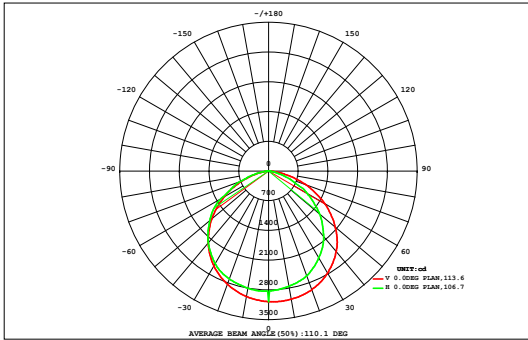
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZJ
Test Date: 2021-04-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.412
Humidity: 65.0%
Test Distance: 1.900m [K=0.5925]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.14V I:0.4401A P:89.442W PF:0.9232 Freq:50.01Hz Lamp Flux:7990.68x1 lm		
NAME: 超能星足功率投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:DJ21042201
MFR.: CPS	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:89.34lm/W	
MODEL	TG-CNX-0100-E01B	Imax (cd)	3080
NOMINAL POWER (W)	100	AVAILABILITY (%)	98.1
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	7842
NOMINAL FLUX (lm)	7990.68	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	7991
TEST VOLTAGE (V)	220	θ @50% (H,V)	114,107DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a	
	0.02	0.16	0.42	0.75	1.22	1.73	2.07	2.25	2.28	2.18	1.96	1.65	1.25	0.87	0.50	0.20	0.06			0.01
90	0.02	0.16	0.42	0.75	1.22	1.73	2.07	2.25	2.28	2.18	1.96	1.65	1.25	0.87	0.50	0.20	0.06	0.01	19.6	0.00
80	0.07	0.48	1.67	3.89	6.58	9.10	11.1	12.4	12.9	12.6	11.4	9.63	7.42	5.08	2.81	1.14	0.29	0.02	109	74.1
70	0.11	1.06	4.20	9.17	14.8	20.2	24.9	28.0	29.4	28.7	26.3	22.3	17.3	12.0	6.94	2.99	0.72	0.04	249	243
60	0.15	1.92	7.13	14.9	23.9	32.7	40.3	45.6	48.0	47.2	43.4	37.0	28.8	20.1	11.8	5.24	1.30	0.07	409	406
50	0.21	2.82	9.78	19.7	31.0	42.2	51.4	58.2	61.2	60.2	55.7	47.8	37.6	26.5	15.9	7.31	1.95	0.10	530	527
40	0.27	3.63	12.0	23.9	37.3	50.4	61.0	68.6	72.0	70.9	65.8	56.9	45.1	32.1	19.5	9.18	2.49	0.13	631	630
30	0.33	4.28	13.9	27.3	42.5	56.9	68.6	76.2	79.8	78.6	73.1	63.6	50.9	36.5	22.4	10.7	2.89	0.15	709	708
20	0.37	4.74	15.1	29.6	46.1	61.3	73.4	81.0	84.0	82.5	76.9	67.2	54.3	39.2	24.2	11.6	3.11	0.16	755	754
10	0.40	4.98	15.8	31.1	48.4	64.6	77.7	85.9	87.7	84.6	79.7	70.4	57.3	41.5	25.5	12.0	3.16	0.16	791	790
0	0.38	4.76	15.1	29.6	45.6	60.4	72.5	80.7	84.4	86.1	82.4	72.6	58.5	41.9	25.5	11.8	3.06	0.16	775	774
-10	0.33	4.12	13.1	25.7	40.7	55.6	68.1	76.9	81.5	81.5	77.0	67.9	54.8	39.2	23.8	11.0	2.83	0.14	724	723
-20	0.27	3.31	11.0	22.9	37.0	51.1	63.0	71.4	75.7	75.3	70.5	61.6	49.3	35.1	21.1	9.66	2.44	0.12	661	659
-30	0.20	2.45	9.12	19.5	31.9	44.4	55.1	62.9	66.6	66.2	61.6	53.3	42.1	29.6	17.6	7.93	1.94	0.09	573	570
-40	0.13	1.67	6.94	15.3	25.4	35.7	44.7	51.2	54.4	53.9	49.8	42.7	33.3	23.2	13.6	5.94	1.36	0.05	459	456
-50	0.08	0.98	4.59	10.7	18.0	25.6	32.3	37.1	39.4	39.0	35.9	30.4	23.6	16.2	9.27	3.86	0.81	0.03	328	323
-60	0.05	0.44	2.29	5.94	10.4	15.0	18.9	21.7	23.1	22.8	20.8	17.6	13.5	9.04	4.98	1.90	0.36	0.01	189	179
-70	0.03	0.11	0.66	1.90	3.68	5.47	6.95	7.90	8.31	8.16	7.42	6.21	4.67	3.02	1.54	0.53	0.08	0.00	66.7	26.4
-80	0.01	0.02	0.06	0.18	0.37	0.61	0.81	0.92	0.97	0.94	0.86	0.72	0.53	0.31	0.12	0.03	0.00	0.00	7.44	0.00
-90	0.01	0.02	0.06	0.18	0.37	0.61	0.81	0.92	0.97	0.94	0.86	0.72	0.53	0.31	0.12	0.03	0.00	0.00	7.44	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	3.41	41.9	143	292	465	633	773	869	912	901	840	730	580	411	247	113	28.9	1.45	7985	---
Φ a	0.00	33.3	135	285	457	625	764	860	903	892	832	721	572	403	239	104	17.3	0.00	---	7842

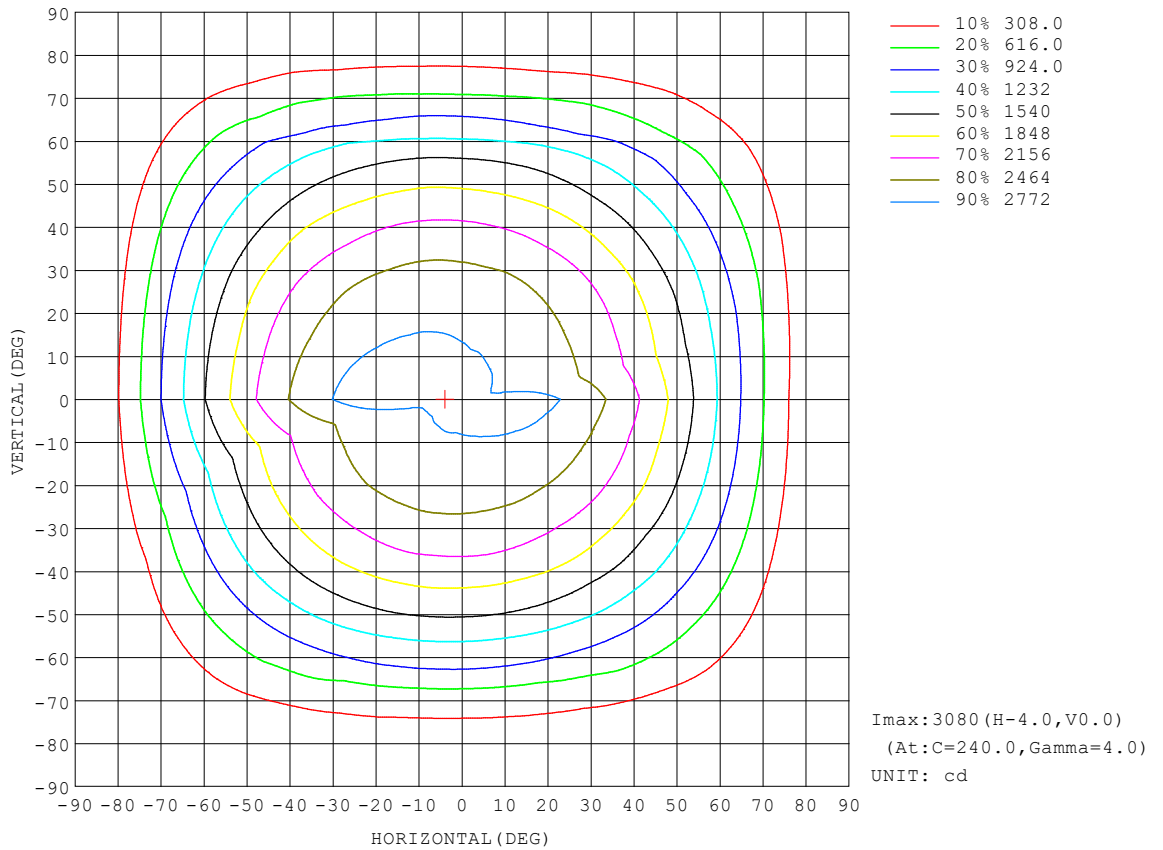
one-half-peak spread: U:50.9,D:54.3 , L:56.0,R:58.1 NEMA Beam Type: Type 7

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZJ
 Test Date:2021-04-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.412
 Humidity:65.0%
 Test Distance:1.900m [K=0.5925]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.14V I:0.4401A P:89.442W PF:0.9232 Freq:50.01Hz Lamp Flux:7990.68x1 lm		
NAME: 超能星足功率投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:DJ21042201
MFR.: CPS	SUR.:	Shielding Angle:

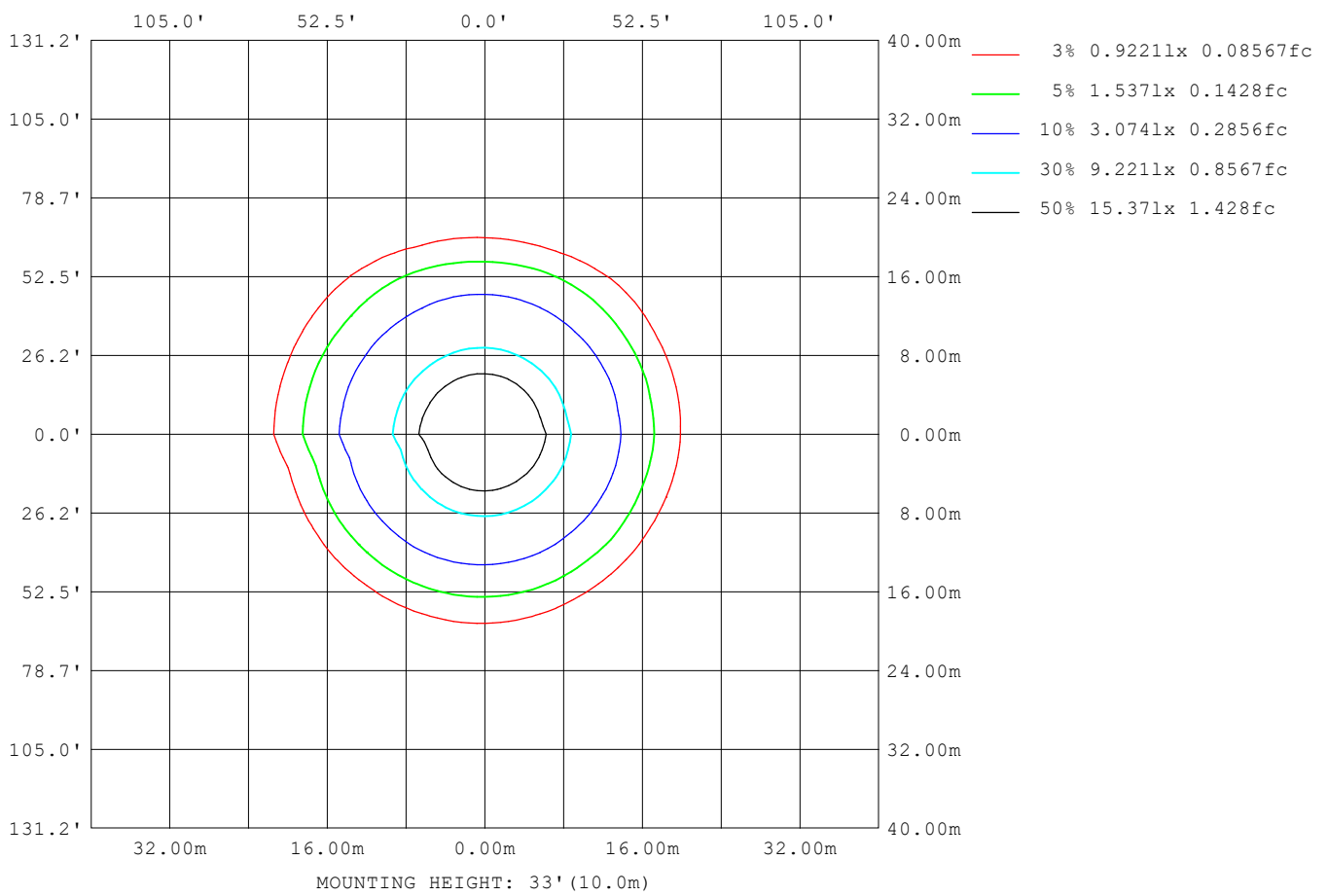


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ISOLUX DIAGRAM

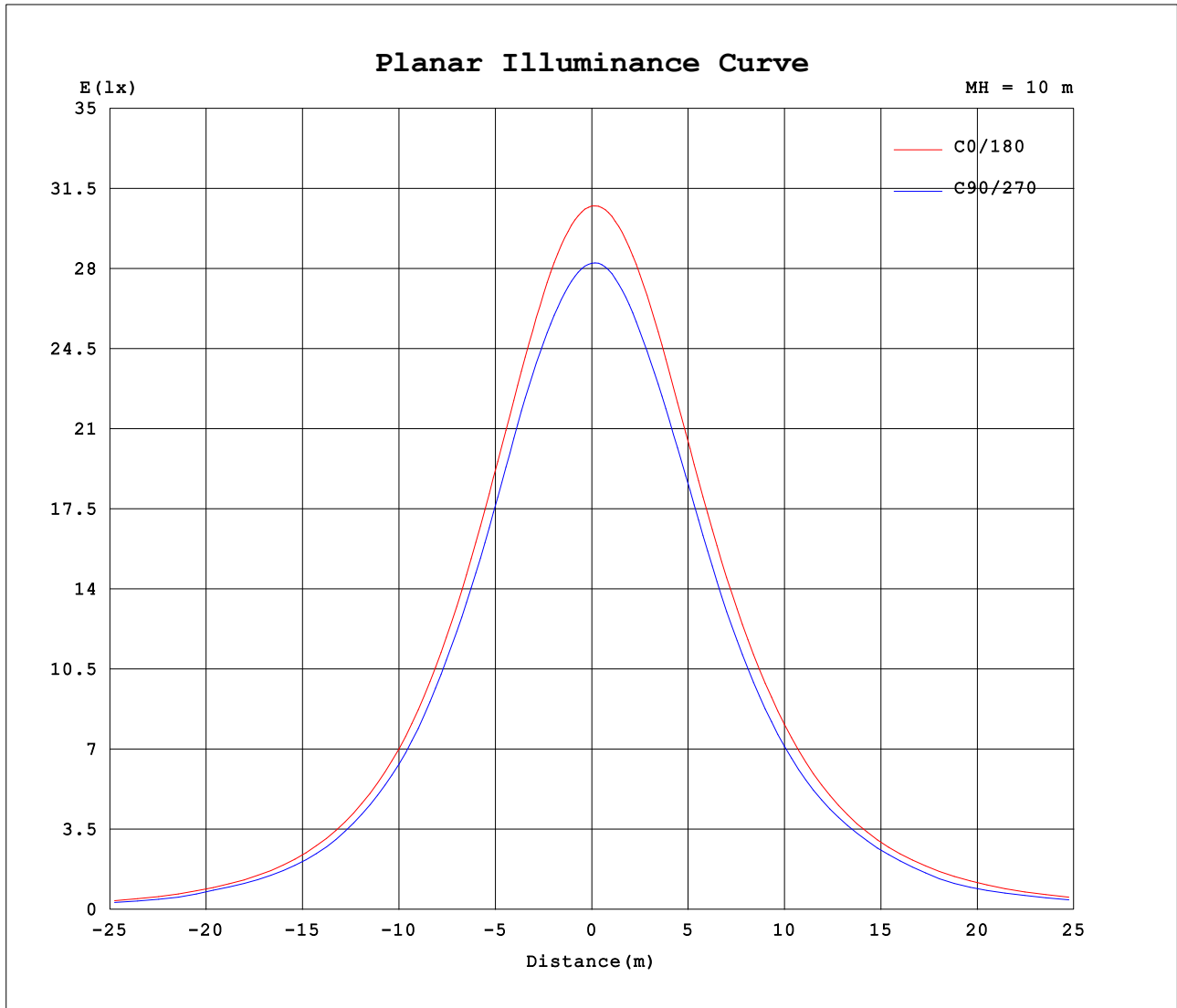
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SPEC.:	DIM.:	SERIAL No.:DJ21042201
MFR.: CPS	SUR.:	Shielding Angle:



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 Remarks:

Planar Illuminance Curve

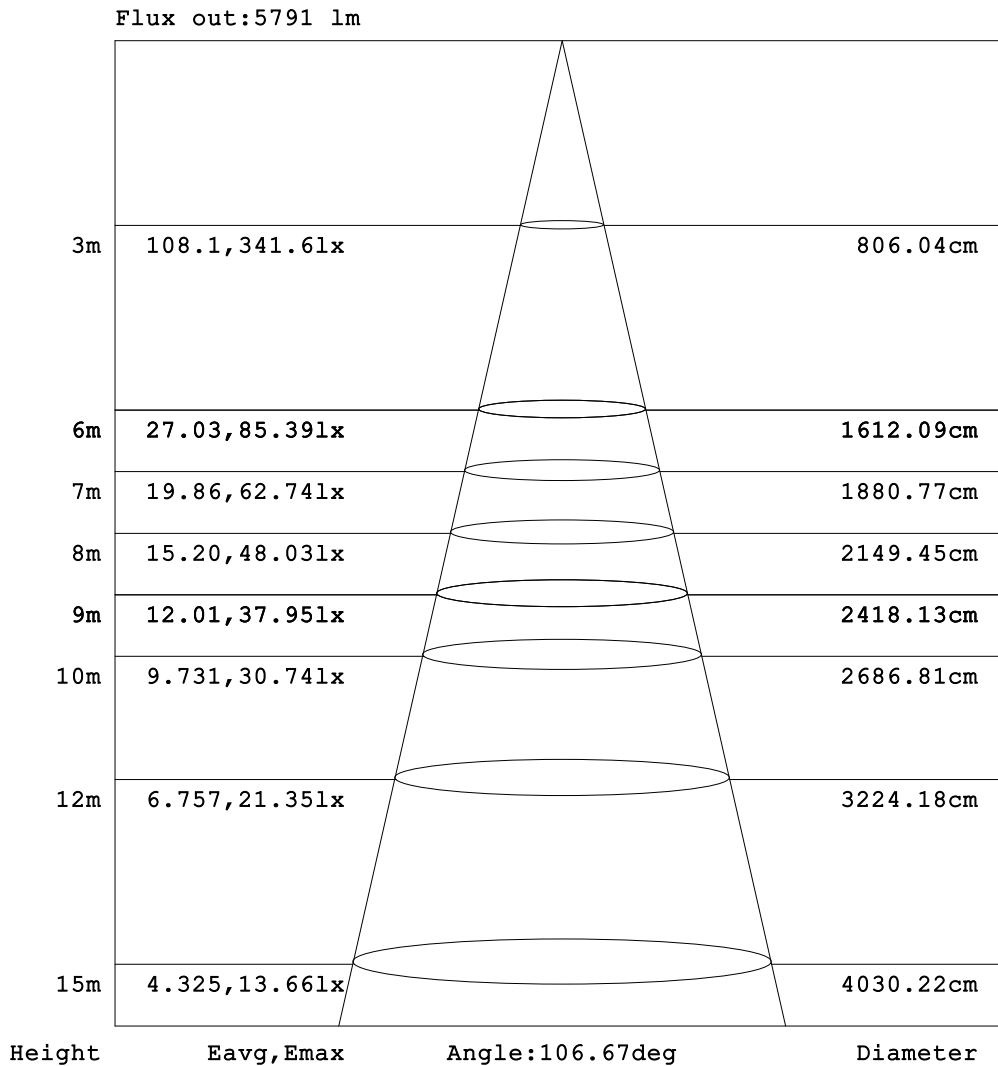


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 Humidity: 65.0%
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 Remarks:

AAI Figure

Test:U:220.14V I:0.4401A P:89.442W PF:0.9232 Freq:50.01Hz Lamp Flux:7990.68x1 lm		
NAME: 超能星足功率投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:DJ21042201
MFR.: CPS	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: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZJ
 Test Date:2021-04-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.412
 Humidity:65.0%
 Test Distance:1.900m [K=0.5925]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.14V I:0.4401A P:89.442W PF:0.9232 Freq:50.01Hz Lamp Flux:7990.68x1 lm		
NAME: 超能星足功率投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:DJ21042201
MFR.: CPS	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	0.39	0.28	0.29	0.34	0.45	0.48	0.62	0.78	0.81	0.86	0.98	1.10	1.22	1.37	1.49	1.55	1.44	1.17	1.21
-170	0.39	0.28	0.29	0.34	0.44	0.51	0.65	0.92	1.10	1.31	1.45	1.52	1.55	1.64	1.73	1.77	1.66	1.50	1.48
-160	0.39	0.28	0.29	0.34	0.41	0.52	0.64	0.91	1.07	1.22	1.37	1.49	1.57	1.69	1.79	1.84	1.81	1.77	1.74
-150	0.39	0.29	0.29	0.34	0.37	0.48	0.59	0.77	0.95	1.10	1.27	1.41	1.52	1.61	1.71	1.79	1.84	1.83	1.85
-140	0.39	0.29	0.29	0.34	0.37	0.42	0.51	0.63	0.78	0.92	1.04	1.18	1.29	1.38	1.47	1.54	1.60	1.63	1.65
-130	0.39	0.29	0.30	0.31	0.33	0.37	0.44	0.53	0.62	0.70	0.79	0.88	0.97	1.05	1.12	1.18	1.21	1.25	1.29
-120	0.39	0.29	0.31	0.29	0.30	0.32	0.37	0.43	0.46	0.51	0.56	0.61	0.67	0.74	0.79	0.82	0.85	0.86	0.86
-110	0.39	0.29	0.32	0.31	0.29	0.30	0.32	0.35	0.38	0.40	0.42	0.44	0.47	0.50	0.53	0.55	0.57	0.58	0.59
-100	0.39	0.30	0.32	0.32	0.32	0.32	0.32	0.33	0.35	0.36	0.38	0.39	0.40	0.41	0.41	0.42	0.43	0.43	0.44
-90	0.39	0.36	0.33	0.33	0.34	0.34	0.34	0.35	0.37	0.36	0.35	0.37	0.40	0.40	0.40	0.40	0.40	0.40	0.40
-80	0.39	7.39	4.41	5.19	9.97	14.0	21.4	33.2	46.2	58.7	73.3	85.2	94.5	99.4	102	104	104	105	104
-70	0.39	14.7	10.2	22.0	57.4	101	150	202	265	307	352	390	424	449	475	488	498	511	512
-60	0.39	22.4	27.0	77.2	155	248	376	471	580	663	753	825	889	943	985	1014	1035	1046	1045
-50	0.39	30.6	64.2	145	281	441	592	743	879	1013	1129	1233	1330	1413	1476	1526	1557	1573	1571
-40	0.39	39.3	115	227	423	615	811	995	1177	1338	1484	1625	1733	1825	1903	1962	2002	2019	2018
-30	0.39	48.8	168	345	537	775	999	1219	1421	1610	1778	1929	2049	2154	2237	2298	2343	2364	2363
-20	0.39	57.5	221	445	687	916	1147	1391	1610	1818	2004	2160	2293	2404	2488	2548	2596	2621	2626
-10	0.39	64.7	266	538	821	1085	1345	1572	1774	1946	2137	2289	2417	2525	2608	2671	2721	2748	2753
0	0.39	70.1	298	603	923	1218	1524	1794	2052	2287	2477	2639	2776	2887	2972	3030	3064	3080	3074
10	0.39	69.3	291	587	901	1190	1485	1736	1982	2203	2388	2536	2656	2746	2806	2838	2840	2827	2801
20	0.39	66.4	267	544	840	1117	1391	1633	1863	2069	2247	2386	2499	2589	2646	2684	2714	2719	2703
30	0.39	61.4	227	481	741	1003	1239	1479	1679	1864	2036	2168	2280	2371	2440	2485	2521	2531	2517
40	0.39	54.5	177	381	614	847	1045	1252	1434	1593	1748	1874	1970	2054	2125	2177	2207	2218	2209
50	0.39	45.9	125	279	468	649	835	988	1146	1279	1396	1515	1604	1670	1729	1777	1810	1819	1807
60	0.39	35.9	72.6	169	296	439	564	703	795	922	991	1082	1141	1209	1236	1268	1283	1291	1278
70	0.39	24.6	49.9	76.5	140	209	294	361	433	484	543	583	621	651	678	692	695	698	686
80	0.39	12.7	25.5	38.0	50.3	64.0	78.1	100	127	153	168	183	193	201	205	206	208	208	206
90	0.39	0.39	0.39	0.40	0.40	0.41	0.41	2.99	5.58	5.86	6.15	6.38	6.61	6.51	6.41	6.28	6.15	5.96	5.77
100	0.39	0.28	0.26	0.25	0.25	0.25	0.26	0.27	0.28	0.29	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.32
110	0.39	0.26	0.26	0.26	0.25	0.25	0.27	0.30	0.33	0.35	0.37	0.38	0.40	0.41	0.42	0.43	0.44	0.45	0.45
120	0.39	0.26	0.26	0.25	0.24	0.25	0.31	0.37	0.41	0.45	0.48	0.50	0.52	0.54	0.57	0.59	0.61	0.62	0.63
130	0.39	0.27	0.26	0.26	0.26	0.31	0.39	0.44	0.50	0.56	0.61	0.66	0.71	0.77	0.82	0.85	0.86	0.86	0.86
140	0.39	0.27	0.27	0.27	0.31	0.40	0.47	0.53	0.59	0.66	0.74	0.81	0.86	0.94	1.02	1.08	1.08	1.05	1.06
150	0.39	0.27	0.27	0.28	0.38	0.42	0.51	0.62	0.71	0.79	0.88	0.95	1.02	1.09	1.16	1.25	1.30	1.21	1.23
160	0.39	0.28	0.28	0.30	0.42	0.44	0.54	0.68	0.79	0.87	0.96	1.06	1.16	1.23	1.31	1.38	1.38	1.26	1.29
170	0.39	0.28	0.28	0.33	0.44	0.46	0.58	0.74	0.84	0.96	1.07	1.15	1.22	1.30	1.38	1.41	1.35	1.24	1.24
180	0.39	0.28	0.29	0.34	0.45	0.48	0.62	0.78	0.81	0.86	0.98	1.10	1.22	1.37	1.49	1.55	1.44	1.17	1.26

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SPEC.:	DIM.:	SERIAL No.:DJ21042201
MFR.: CPS	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	1.30	1.59	1.82	1.87	1.89	1.85	1.81	1.69	1.56	1.38	1.19	0.85	0.67	0.56	0.47	0.41	0.40	0.40
-170	1.62	1.66	1.73	1.79	1.79	1.75	1.68	1.58	1.47	1.32	1.14	0.81	0.65	0.53	0.46	0.41	0.40	0.40
-160	1.84	1.83	1.78	1.78	1.75	1.69	1.62	1.51	1.38	1.22	1.04	0.74	0.61	0.48	0.44	0.40	0.40	0.40
-150	1.83	1.85	1.81	1.77	1.69	1.61	1.50	1.38	1.23	1.06	0.87	0.67	0.56	0.45	0.43	0.38	0.40	0.40
-140	1.64	1.59	1.54	1.49	1.41	1.33	1.23	1.12	0.99	0.86	0.71	0.59	0.49	0.44	0.41	0.37	0.40	0.40
-130	1.29	1.27	1.22	1.16	1.08	1.00	0.92	0.84	0.75	0.68	0.60	0.51	0.44	0.40	0.38	0.37	0.41	0.40
-120	0.85	0.84	0.83	0.80	0.75	0.70	0.65	0.61	0.56	0.53	0.49	0.44	0.38	0.37	0.36	0.39	0.41	0.40
-110	0.59	0.59	0.57	0.56	0.53	0.51	0.49	0.47	0.46	0.44	0.40	0.38	0.35	0.35	0.38	0.40	0.41	0.40
-100	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.42	0.41	0.38	0.37	0.38	0.39	0.40	0.41	0.41	0.40
-90	0.40	0.41	0.41	0.41	0.45	0.48	0.44	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.40	0.40	0.40
-80	103	99.7	97.0	92.1	85.4	76.9	66.9	57.0	47.0	37.1	27.0	17.4	11.0	4.47	1.03	0.64	0.40	0.40
-70	504	483	463	441	411	373	344	296	262	214	169	119	83.0	44.3	18.3	4.45	0.68	0.40
-60	1033	1010	981	938	882	822	753	678	592	502	401	313	210	127	62.4	17.2	1.03	0.40
-50	1557	1524	1476	1415	1338	1246	1148	1039	912	786	649	512	372	235	121	39.6	2.99	0.40
-40	2003	1969	1914	1845	1756	1646	1523	1383	1235	1062	894	713	530	354	184	69.6	8.02	0.40
-30	2347	2311	2259	2187	2097	1980	1843	1679	1511	1320	1102	900	672	456	252	98.0	12.2	0.40
-20	2614	2584	2529	2457	2367	2251	2107	1936	1738	1525	1287	1046	789	541	306	120	15.3	0.40
-10	2757	2743	2706	2643	2554	2432	2280	2098	1886	1662	1413	1148	874	602	349	133	17.2	0.40
0	3047	2999	2928	2836	2721	2579	2410	2213	1985	1745	1478	1197	913	629	368	139	17.9	0.40
10	2770	2725	2661	2583	2485	2366	2224	2055	1856	1654	1426	1170	906	632	372	145	20.4	0.40
20	2674	2633	2570	2488	2390	2270	2124	1956	1769	1565	1339	1097	861	604	353	140	21.2	0.40
30	2487	2453	2387	2306	2207	2085	1942	1785	1603	1417	1203	984	764	544	319	125	19.7	0.40
40	2183	2142	2085	2008	1914	1800	1669	1525	1368	1199	1011	827	632	444	265	101	16.0	0.40
50	1785	1749	1700	1635	1551	1450	1343	1221	1093	938	798	638	478	335	185	74.2	9.94	0.40
60	1262	1228	1192	1137	1080	1001	935	833	755	632	543	414	317	205	113	49.5	6.80	0.40
70	677	656	632	601	570	526	488	430	384	328	269	208	143	94.0	56.7	23.4	5.03	0.40
80	201	192	184	174	164	151	138	123	102	85.7	68.7	51.8	40.1	25.8	15.2	9.87	2.78	0.40
90	5.65	5.53	5.40	5.27	5.10	4.93	4.76	4.59	2.51	0.43	0.44	0.44	0.44	0.45	0.45	0.45	0.43	0.40
100	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.30	0.28	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.35	0.40
110	0.46	0.45	0.44	0.43	0.42	0.40	0.37	0.36	0.35	0.31	0.28	0.26	0.25	0.25	0.27	0.28	0.34	0.40
120	0.63	0.63	0.61	0.60	0.60	0.58	0.56	0.52	0.50	0.46	0.40	0.31	0.28	0.26	0.26	0.29	0.35	0.40
130	0.87	0.86	0.85	0.82	0.77	0.73	0.69	0.64	0.58	0.53	0.48	0.43	0.34	0.31	0.28	0.30	0.36	0.40
140	1.04	1.04	1.04	1.02	0.96	0.91	0.80	0.73	0.64	0.53	0.51	0.43	0.43	0.34	0.31	0.31	0.36	0.40
150	1.27	1.28	1.23	1.18	1.13	1.08	0.96	0.88	0.77	0.66	0.54	0.48	0.44	0.42	0.36	0.33	0.37	0.40
160	1.33	1.32	1.37	1.35	1.24	1.11	1.03	0.91	0.79	0.74	0.64	0.52	0.48	0.48	0.39	0.36	0.38	0.40
170	1.29	1.39	1.34	1.30	1.24	1.16	1.06	0.95	0.84	0.87	0.84	0.66	0.57	0.52	0.44	0.39	0.39	0.40
180	1.30	1.59	1.82	1.87	1.89	1.85	1.81	1.69	1.56	1.38	1.19	0.85	0.67	0.56	0.47	0.41	0.40	0.40

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZJ
 Test Date:2021-04-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.412
 Humidity:65.0%
 Test Distance:1.900m [K=0.5925]
 Remarks: