

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	527.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	133.3V x 152.6H
	At 50% of Imax	49.8V x 139.0H
	At 90% of Imax	15.9V x 134.9H

Beam Flux	Total	992.5 lumens per klm.
	To 10% of Imax	959.7 lumens per klm.
	To 50% of Imax	592.9 lumens per klm.
	To 90% of Imax	115.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.2 %

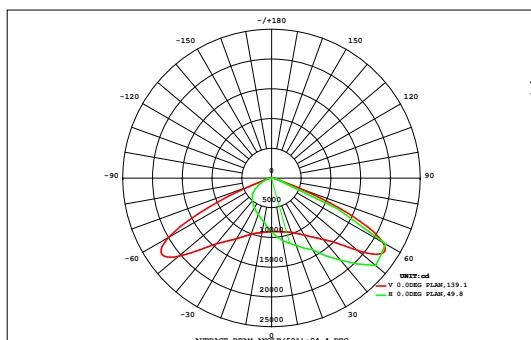
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:01 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.04V I:1.8795A P:395.25W PF:0.9557 Freq:49.99Hz Lamp Flux:54082.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:136.83lm/W	
NJZMODEL 400-V01-RZ-T3-PC-BL		Imax(cd)	28499
NOMINAL POWER(W)	400	AVAILABILITY(%)	97.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	52531
NOMINAL FLUX(lm)	54082.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	54082
TEST VOLTAGE(V)	220	θ @50% (H,V)	139,50DEG

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
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	0.23	1.70	4.48	8.45	13.4	18.5	24.0	26.9	28.5	28.1	26.1	22.6	17.0	11.9	7.15	3.56	1.22	0.16	244	0.00
70	0.44	3.52	8.74	16.2	28.7	43.0	51.9	55.6	58.1	57.8	55.0	50.6	40.7	26.5	15.0	7.73	2.71	0.27	522	12.5
60	0.72	6.06	15.2	39.1	75.7	102	108	105	104	105	107	109	98.5	70.7	36.0	14.4	5.09	0.46	1101	936
50	0.94	7.39	26.7	92.3	143	152	150	146	144	145	150	154	155	140	83.8	24.3	6.61	0.63	1722	1663
40	1.09	8.39	55.2	154	172	168	167	166	165	166	169	172	175	181	149	47.3	7.65	0.77	2124	2088
30	1.17	9.82	96.8	207	197	191	189	188	188	189	191	195	200	212	212	82.9	8.92	0.85	2559	2532
	1.21	11.7	141	266	235	223	216	213	213	214	217	225	236	257	276	120	10.2	0.89	3078	3057
	1.18	12.6	176	339	297	272	258	251	250	251	256	269	288	324	347	150	11.0	0.89	3753	3732
	1.13	11.8	194	409	377	336	313	302	299	301	309	328	358	407	407	161	10.2	0.84	4525	4504
	1.04	9.30	183	458	455	406	372	353	347	349	360	388	428	479	441	147	8.66	0.77	5185	5164
-30	0.91	7.43	139	468	517	468	432	405	394	397	414	448	487	527	433	108	6.71	0.66	5654	5629
-40	0.74	5.97	75.5	416	565	530	506	488	479	482	498	520	542	555	367	61.9	5.30	0.54	6097	6068
-50	0.56	4.90	26.9	280	577	618	608	612	616	620	622	619	621	545	237	25.6	4.10	0.39	6638	6602
-60	0.38	3.68	9.45	100	442	679	725	716	708	707	715	717	654	401	89.9	9.91	3.01	0.26	6681	6634
-70	0.23	2.47	6.84	12.5	137	418	527	494	458	450	469	487	371	121	13.7	5.59	1.94	0.15	3976	3910
-80	0.13	1.36	3.89	6.46	7.24	15.7	25.8	25.5	21.8	21.0	22.0	22.4	15.7	6.95	4.99	3.18	0.97	0.08	205	0.00
-90	0.03	0.30	0.90	1.57	1.66	0.96	0.87	1.18	1.52	1.56	1.25	0.87	0.73	1.19	1.19	0.56	0.16	0.02	16.5	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	12.1	108	1163	3273	4240	4642	4672	4550	4475	4486	4581	4727	4689	4268	3121	973	94.5	8.63	54082	---
Φ a	0.00	8.60	1062	3195	4157	4563	4575	4435	4357	4369	4473	4635	4607	4187	3040	867	1.21	0.00	---	52531

one-half-peak spread: U:15.4,D:35.4 , L:13.0,R:14.1

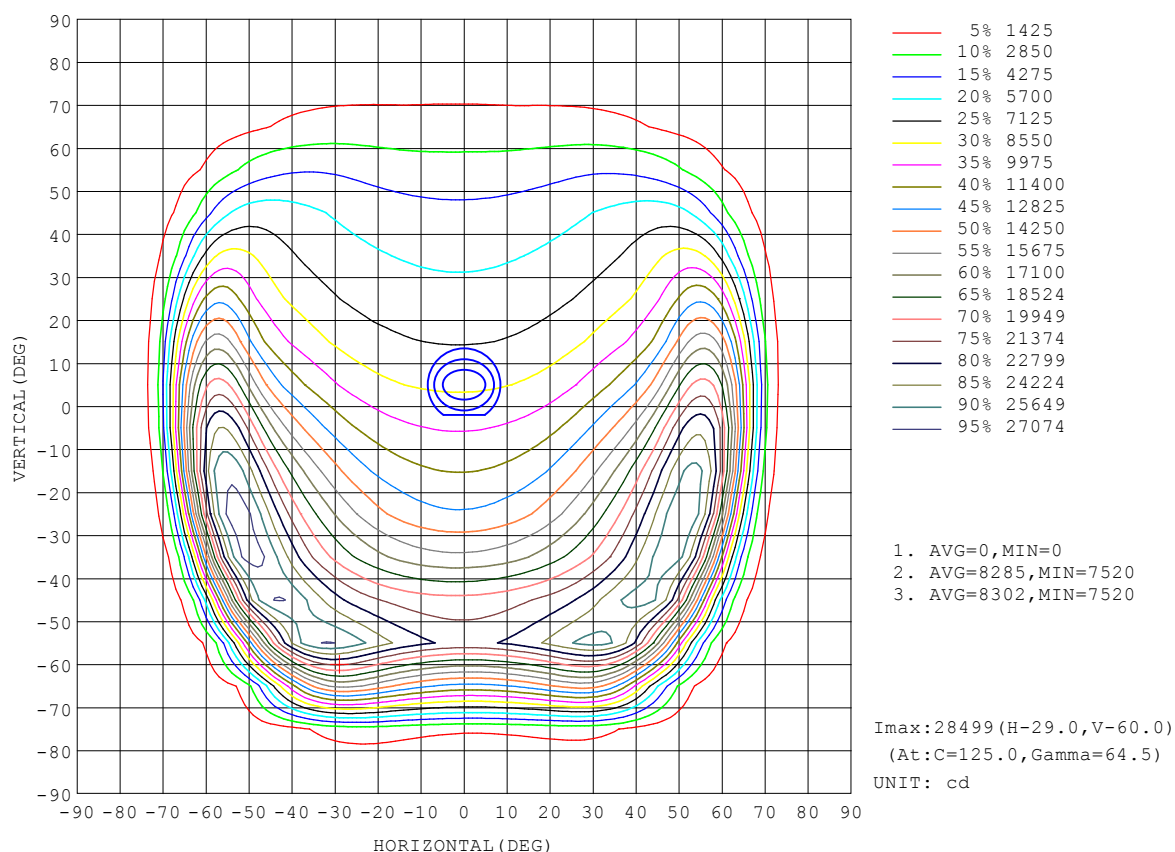
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:01 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.04V I:1.8795A P:395.25W PF:0.9557 Freq:49.99Hz Lamp Flux:54082.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

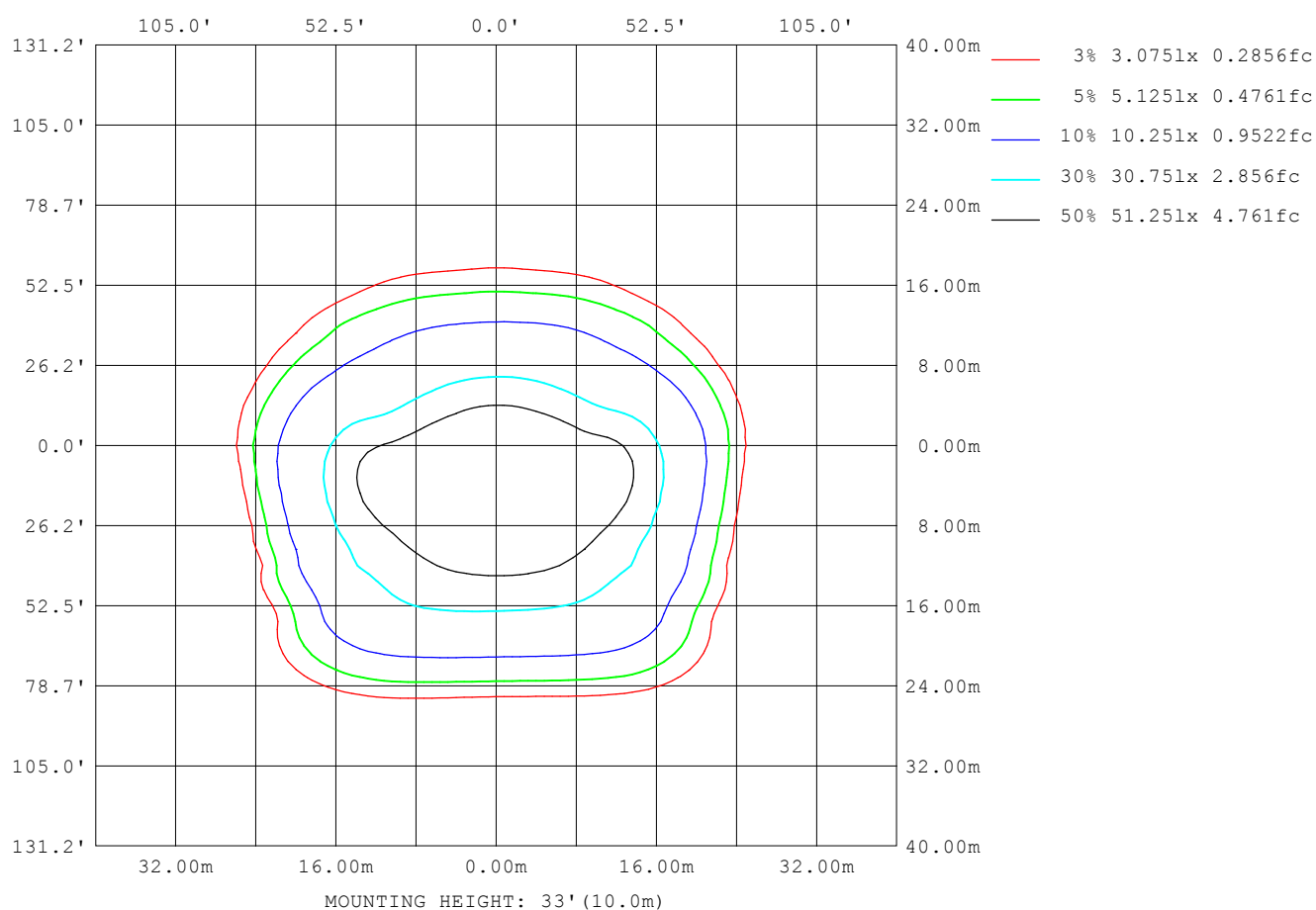


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:01 November 2019

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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

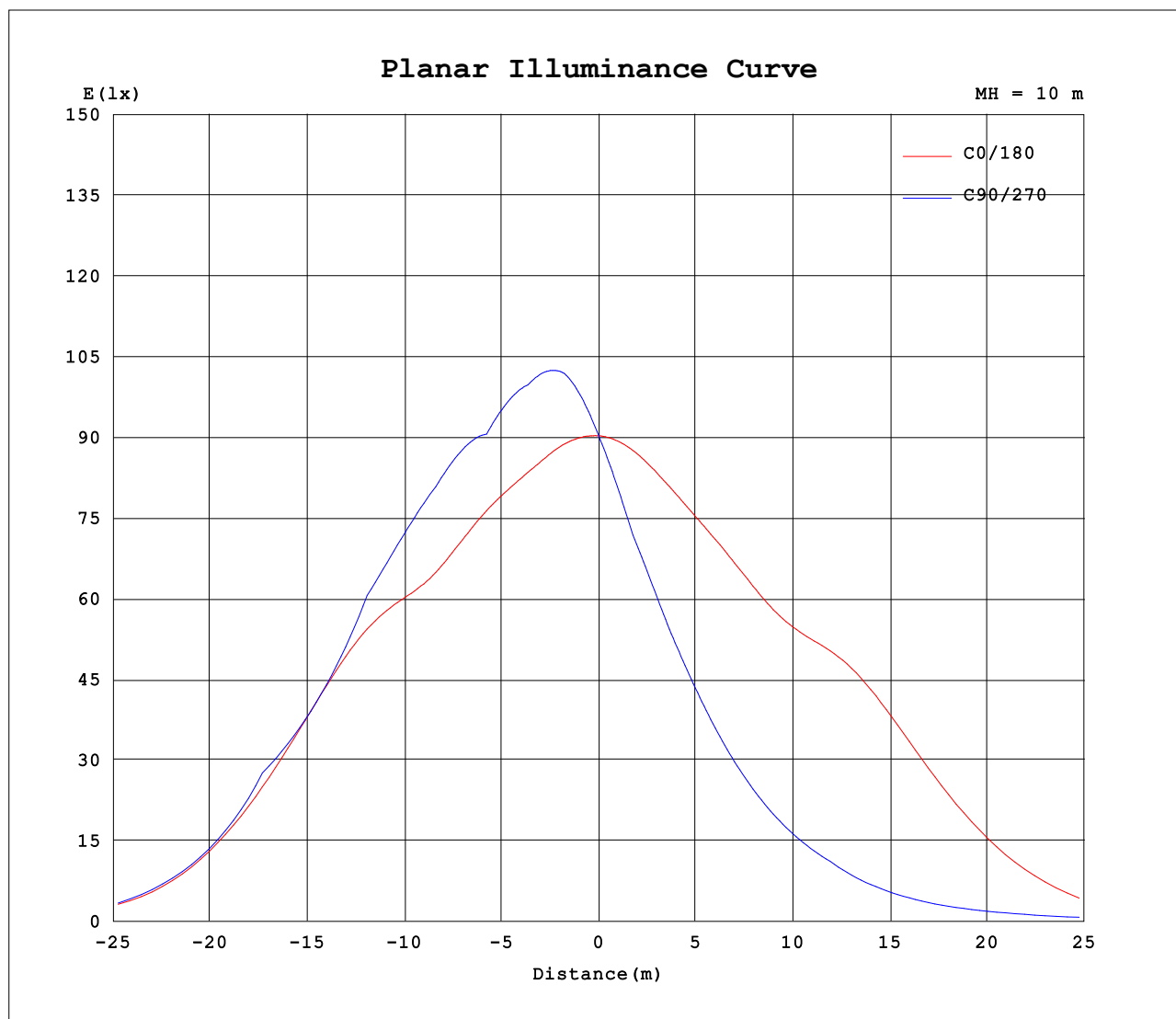
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SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
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Operators:CL
Test Date:01 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

Planar Illuminance Curve



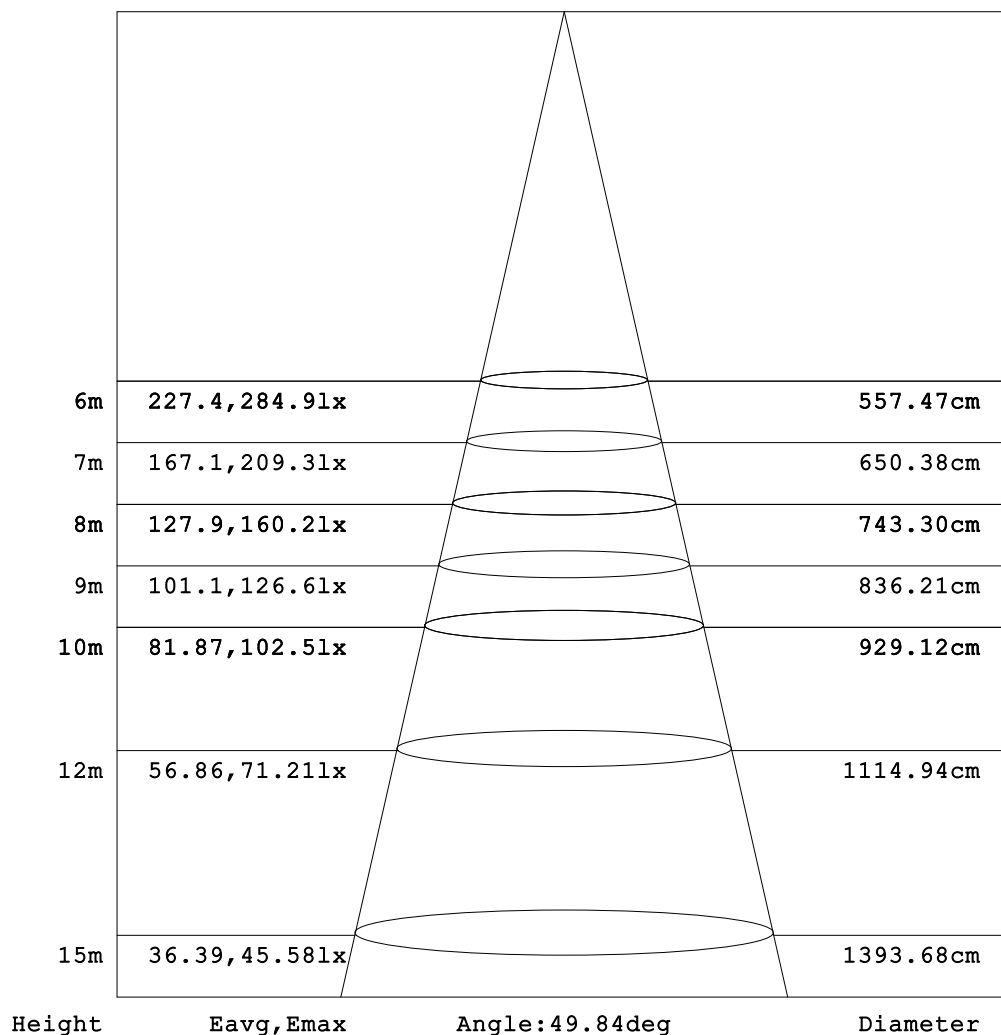
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:01 November 2019

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.04V I:1.8795A P:395.25W PF:0.9557 Freq:49.99Hz Lamp Flux:54082.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:5593 lm



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:CL
Test Date:01 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:1.8795A P:395.25W PF:0.9557 Freq:49.99Hz Lamp Flux:54082.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: ×10cd

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	1.74	2.42	5.63	10.6	14.8	19.2	23.9	27.4	31.0	34.7	37.7	40.9	44.8	48.3	50.1	49.4	48.0	48.7	48.6
-75	1.74	3.07	9.01	16.9	23.5	30.4	37.5	45.8	57.1	72.3	101	152	196	217	214	195	177	165	158
-70	1.74	3.72	12.4	23.3	32.3	41.5	51.2	64.1	83.3	110	164	263	348	386	378	340	305	281	268
-65	1.72	4.77	17.0	30.4	41.8	54.3	71.7	111	260	649	1089	1437	1595	1586	1497	1397	1319	1265	1240
-60	1.70	5.82	21.7	37.6	51.3	67.1	92.3	158	436	1189	2014	2610	2843	2786	2616	2454	2332	2249	2211
-55	1.70	7.46	26.9	44.9	61.9	85.4	163	534	1202	1914	2428	2678	2707	2616	2495	2391	2315	2266	2248
-50	1.70	9.10	32.2	52.3	72.4	104	234	910	1967	2639	2843	2747	2571	2447	2374	2329	2299	2283	2284
-45	1.72	11.8	37.5	59.5	83.6	166	612	1512	2343	2694	2676	2504	2335	2219	2144	2093	2059	2042	2041
-40	1.74	14.4	42.8	66.8	94.8	228	991	2114	2719	2750	2510	2261	2098	1991	1913	1857	1819	1800	1799
-35	1.78	17.1	47.1	72.9	113	441	1423	2398	2765	2646	2364	2125	1961	1840	1745	1675	1627	1602	1597
-30	1.82	19.7	51.4	79.0	131	654	1856	2681	2812	2541	2217	1988	1823	1689	1578	1493	1434	1403	1396
-25	1.87	22.8	55.3	84.6	179	916	2094	2732	2723	2403	2092	1872	1704	1567	1461	1384	1333	1305	1299
-20	1.91	26.0	59.3	90.2	228	1178	2332	2782	2635	2265	1967	1756	1584	1446	1344	1275	1231	1208	1203
-15	1.95	27.2	62.1	95.3	293	1324	2356	2686	2472	2102	1822	1623	1467	1344	1256	1196	1159	1139	1135
-10	1.99	28.4	64.9	100	359	1470	2380	2591	2310	1939	1677	1491	1349	1243	1167	1118	1087	1071	1067
-5	2.01	29.4	67.3	105	406	1468	2269	2408	2103	1744	1511	1352	1229	1136	1071	1028	1002	988	985
0	2.03	30.5	69.8	110	452	1467	2158	2225	1896	1550	1345	1213	1109	1030	975	939	917	906	903
5	2.23	30.5	71.0	111	434	1355	1970	2011	1681	1377	1210	1098	1009	939	891	860	841	830	828
10	2.42	30.6	72.1	112	415	1244	1782	1796	1466	1205	1074	982	908	848	808	781	764	754	752
15	2.45	30.5	72.6	112	362	1086	1579	1592	1307	1094	982	902	838	786	751	729	714	705	704
20	2.47	30.4	73.1	111	309	928	1376	1387	1148	982	889	822	768	724	694	677	664	657	656
25	2.50	29.2	71.8	108	248	742	1166	1226	1054	914	829	769	722	684	657	639	626	619	617
30	2.52	28.0	70.5	105	188	556	957	1064	960	846	769	716	675	644	620	601	588	580	579
35	2.54	26.4	67.9	101	158	409	751	903	871	792	724	673	635	605	582	564	550	542	541
40	2.56	24.8	65.3	97.5	127	262	545	742	782	737	679	631	595	567	544	526	512	504	503
45	2.57	22.2	59.9	91.5	116	196	379	552	637	648	623	589	556	528	504	486	472	464	463
50	2.58	19.6	54.5	85.5	105	129	213	362	493	559	568	547	518	489	465	445	432	425	423
55	2.58	17.1	46.2	74.3	93.0	112	160	243	325	382	411	418	411	395	376	360	349	345	345
60	2.59	14.5	38.0	63.1	81.3	93.6	107	124	157	206	254	288	304	300	286	274	267	266	267
65	2.59	11.5	28.1	45.7	59.6	69.8	80.8	94.0	115	143	171	191	203	205	202	199	198	199	199
70	2.59	8.45	18.2	28.3	37.9	45.9	55.1	64.4	72.9	80.2	87.9	94.1	102	110	118	123	128	131	131
75	2.59	6.01	13.0	20.0	26.8	32.7	39.3	45.9	52.3	58.3	64.2	69.1	75.4	81.4	85.7	87.4	89.8	91.4	91.4
80	2.59	3.57	7.75	11.6	15.7	19.5	23.5	27.4	31.8	36.4	40.5	44.1	48.5	52.5	53.3	51.6	51.4	51.5	51.4
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:CL
Test Date:01 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:1.8795A P:395.25W PF:0.9557 Freq:49.99Hz Lamp Flux:54082.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: ×10cd

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	48.2	46.7	46.6	46.9	44.9	41.3	36.9	32.9	29.6	26.0	22.1	18.4	13.7	9.81	6.57	3.59	1.92	1.84	
-75	159	164	174	186	193	184	151	106	69.3	48.9	39.0	31.6	24.6	17.8	12.0	5.93	2.30	1.86	
-70	269	282	301	325	341	326	266	179	109	71.8	55.8	44.7	35.5	25.9	17.4	8.26	2.68	1.89	
-65	1245	1278	1335	1411	1482	1474	1307	971	576	267	111	63.7	46.8	34.5	23.7	11.9	3.25	1.93	
-60	2221	2275	2369	2498	2623	2621	2348	1763	1043	462	166	82.7	58.2	43.1	29.9	15.5	3.82	1.97	
-55	2260	2301	2369	2460	2561	2619	2548	2254	1738	1073	480	169	80.4	52.8	36.6	19.9	4.71	1.77	
-50	2299	2328	2370	2422	2498	2618	2747	2745	2432	1683	794	255	102	62.5	43.2	24.4	5.59	1.58	
-45	2056	2086	2130	2187	2265	2378	2523	2628	2545	2093	1281	514	165	74.7	49.7	28.5	6.97	1.62	
-40	1813	1843	1891	1952	2032	2139	2299	2510	2657	2502	1768	774	227	86.9	56.1	32.7	8.35	1.65	
-35	1613	1650	1709	1789	1889	2012	2175	2395	2603	2602	2098	1130	370	111	62.3	36.7	10.8	1.69	
-30	1413	1456	1527	1625	1746	1885	2052	2279	2549	2702	2428	1487	512	136	68.4	40.8	13.3	1.73	
-25	1314	1351	1414	1505	1626	1772	1946	2173	2454	2669	2528	1741	685	170	73.3	44.1	14.9	1.77	
-20	1215	1246	1300	1385	1506	1659	1841	2067	2360	2635	2628	1995	858	205	78.2	47.4	16.5	1.81	
-15	1146	1173	1220	1294	1401	1542	1711	1928	2220	2520	2582	2074	997	249	82.8	50.5	17.6	1.84	
-10	1077	1100	1140	1203	1297	1424	1581	1788	2080	2404	2535	2152	1135	294	87.5	53.5	18.7	1.88	
-5	994	1015	1049	1105	1188	1300	1437	1616	1891	2226	2391	2079	1156	317	91.4	55.4	19.1	1.91	
0	911	930	959	1007	1079	1176	1293	1444	1703	2049	2247	2006	1176	341	95.4	57.2	19.6	1.94	
5	834	851	877	919	982	1067	1166	1293	1511	1838	2048	1846	1109	336	97.8	58.5	19.9	2.25	
10	758	772	795	831	885	957	1040	1143	1318	1628	1850	1686	1041	332	100	59.8	20.2	2.56	
15	709	721	742	773	821	882	953	1043	1192	1453	1645	1485	899	293	99.3	59.5	19.6	2.59	
20	660	670	689	716	756	807	867	943	1065	1278	1440	1284	757	254	98.5	59.3	19.0	2.62	
25	622	633	650	675	709	753	805	875	984	1151	1255	1078	609	214	96.5	58.1	18.2	2.65	
30	584	595	611	634	663	699	744	807	903	1025	1069	872	461	174	94.6	56.8	17.5	2.67	
35	546	557	574	596	623	656	699	757	833	902	879	668	344	148	90.7	53.5	15.9	2.69	
40	508	520	536	557	583	614	654	707	762	780	689	465	228	121	86.9	50.2	14.4	2.71	
45	468	479	496	517	542	571	602	632	646	613	503	331	177	110	80.6	45.2	12.8	2.72	
50	428	439	456	477	502	528	551	558	529	446	318	196	126	98.9	74.3	40.2	11.3	2.72	
55	347	354	366	382	399	410	410	395	358	297	219	149	107	85.3	62.0	33.0	9.58	2.72	
60	267	268	276	286	295	293	269	232	187	148	120	102	86.9	71.7	49.7	25.9	7.88	2.72	
65	198	197	198	200	200	195	180	158	131	107	88.2	74.3	62.5	50.7	35.0	18.7	6.38	2.71	
70	130	125	120	114	106	97.3	89.7	83.2	74.1	65.8	56.6	47.1	38.1	29.7	20.3	11.6	4.88	2.71	
75	90.3	87.3	84.9	82.6	77.1	70.5	64.5	59.3	52.6	46.0	39.4	32.8	26.5	20.5	14.2	8.52	4.04	2.70	
80	50.7	49.9	50.0	51.1	48.6	43.7	39.3	35.3	31.0	26.3	22.2	18.5	14.8	11.3	8.06	5.45	3.20	2.69	
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:CL

Test Date:01 November 2019

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366

Humidity:65.0%

Test Distance:6.010m [K=1.0000]

Remarks: