

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	524.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	132.5V x 153.3H
	At 50% of Imax	46.8V x 137.5H
	At 90% of Imax	9.2V x 133.6H

Beam Flux	Total	992.5 lumens per klm.
	To 10% of Imax	959.9 lumens per klm.
	To 50% of Imax	606.4 lumens per klm.
	To 90% of Imax	106.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.2 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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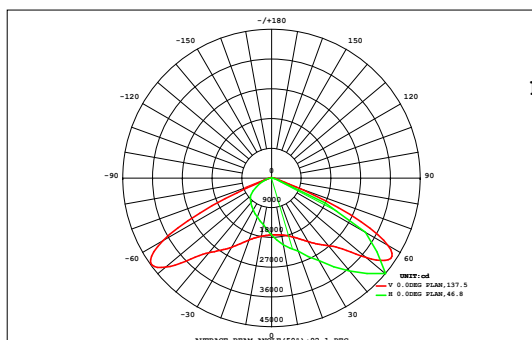
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:11 November 2019

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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:119.92V I:6.5738A P:774.46W PF:0.9824 Freq:59.98Hz Lamp Flux:102305x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:132.10lm/W	
NJZMODEL800-V01-RZ-T3-PC-BL		Imax(cd)	53653
NOMINAL POWER(W)	800	AVAILABILITY(%)	97.1
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	99355
NOMINAL FLUX(lm)	102305	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	102305
TEST VOLTAGE(V)	120	θ @50%(H,V)	137,47DEG

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	0.33	3.01	8.51	16.6	26.7	37.4	48.6	55.4	58.8	58.7	55.2	47.8	36.8	26.2	16.4	8.52	3.15	0.36	508	0.00
70	0.65	6.55	17.2	31.5	53.6	81.9	102	111	116	116	111	102	82.2	54.2	31.7	17.0	6.42	0.66	1042	63.1
60	1.24	11.8	28.9	67.5	138	194	213	209	207	209	214	218	194	138	70.0	29.0	11.1	1.14	2155	1886
50	1.75	14.5	44.3	159	273	303	298	289	283	286	296	307	311	276	159	45.2	13.4	1.52	3360	3240
40	2.08	16.1	86.5	285	342	334	330	325	321	323	332	342	351	360	287	86.0	14.9	1.77	4142	4064
30	2.26	17.9	156	397	393	382	376	367	363	365	375	390	403	424	414	153	16.5	1.93	4997	4939
20	2.33	20.5	233	516	470	451	431	415	410	412	424	451	479	511	546	225	17.9	1.98	6017	5969
10	2.29	22.1	295	657	594	550	514	486	478	481	497	539	588	648	689	282	18.4	1.97	7343	7301
0	2.17	21.2	325	791	757	681	626	586	573	577	599	655	728	822	813	301	16.9	1.86	8874	8831
-10	1.95	18.2	297	875	914	822	751	694	672	677	708	784	876	973	877	264	14.5	1.68	10221	10176
-20	1.66	14.7	217	862	1026	946	884	823	793	798	843	927	1005	1069	844	174	12.3	1.40	11241	11188
-30	1.29	11.8	114	712	1083	1057	1033	1007	989	1000	1040	1086	1112	1104	675	79.5	10.5	1.08	12116	12058
-40	0.95	9.34	46.1	426	1023	1189	1202	1223	1236	1249	1261	1252	1236	1026	366	28.4	8.26	0.76	12783	12707
-50	0.63	6.69	20.0	133	678	1161	1303	1294	1268	1270	1303	1320	1173	637	95.4	16.7	5.99	0.53	11686	11587
-60	0.39	4.25	12.4	22.3	148	559	770	707	630	624	692	740	494	106	19.3	11.5	3.78	0.33	5544	5345
-70	0.19	2.11	6.40	11.0	11.0	17.0	24.1	26.1	25.9	25.6	25.0	22.0	15.1	10.6	10.3	6.01	1.86	0.18	241	0.00
-80	0.05	0.41	1.20	2.27	2.67	2.04	2.26	2.84	3.50	3.53	3.01	2.51	2.34	2.49	1.82	0.86	0.26	0.05	34.1	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
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	22.2	201	1909	5964	7933	8768	8908	8620	8427	8475	8778	9186	9087	8187	5916	1727	176	19.2	102305	---
Φ a	0.00	13.7	1685	5799	7769	8618	8744	8430	8207	8258	8582	9024	8945	8020	5758	1501	2.31	0.00	---	99355

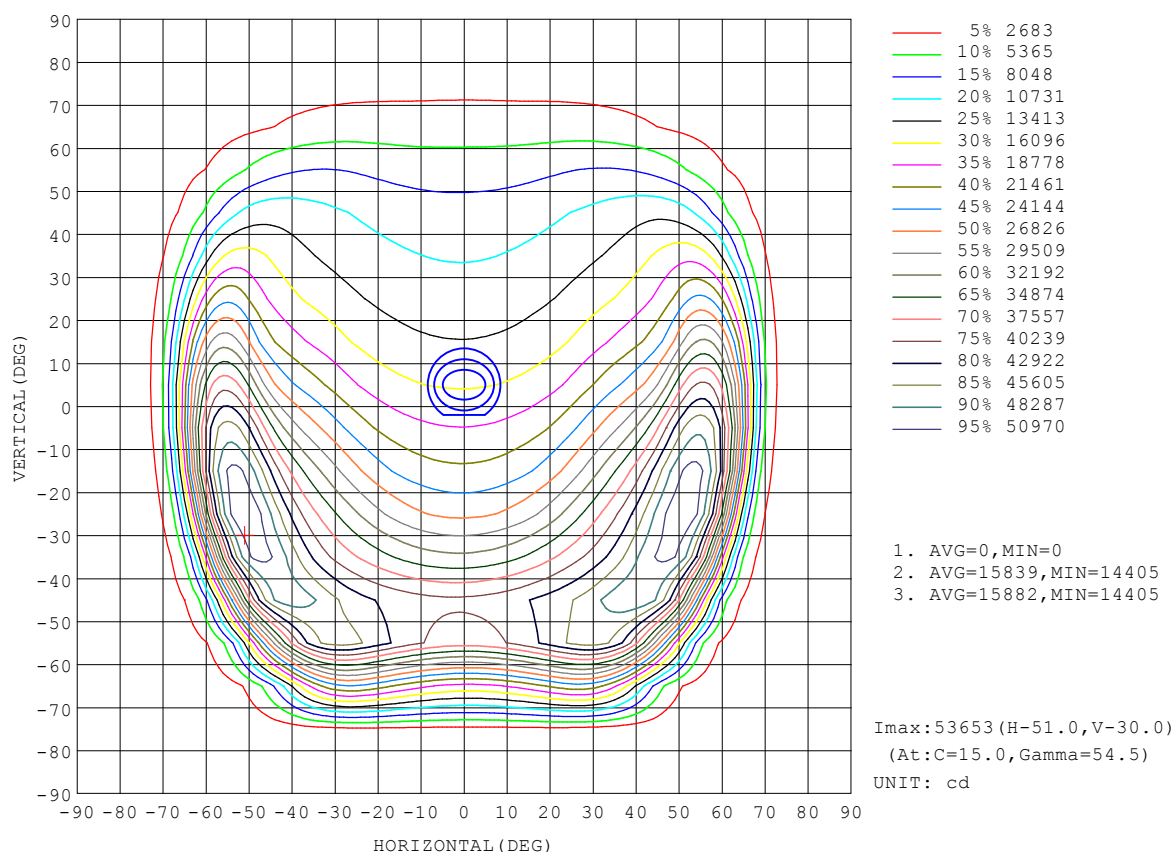
one-half-peak spread: U:13.7,D:33.9 , L:13.7,R:13.9 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:11 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:119.92V I:6.5738A P:774.46W PF:0.9824 Freq:59.98Hz Lamp Flux:102305x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

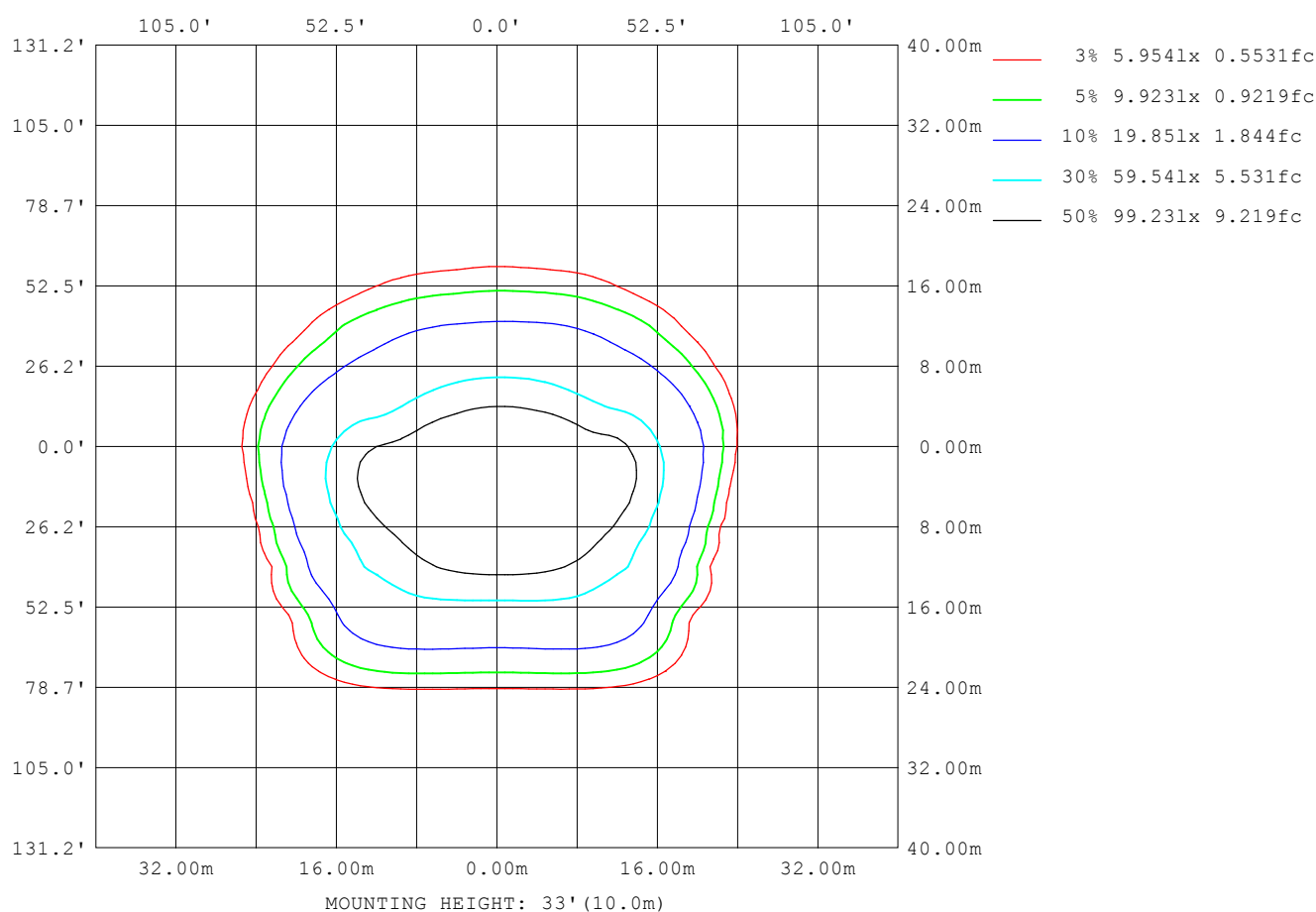


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:11 November 2019

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:

### ISOLUX DIAGRAM

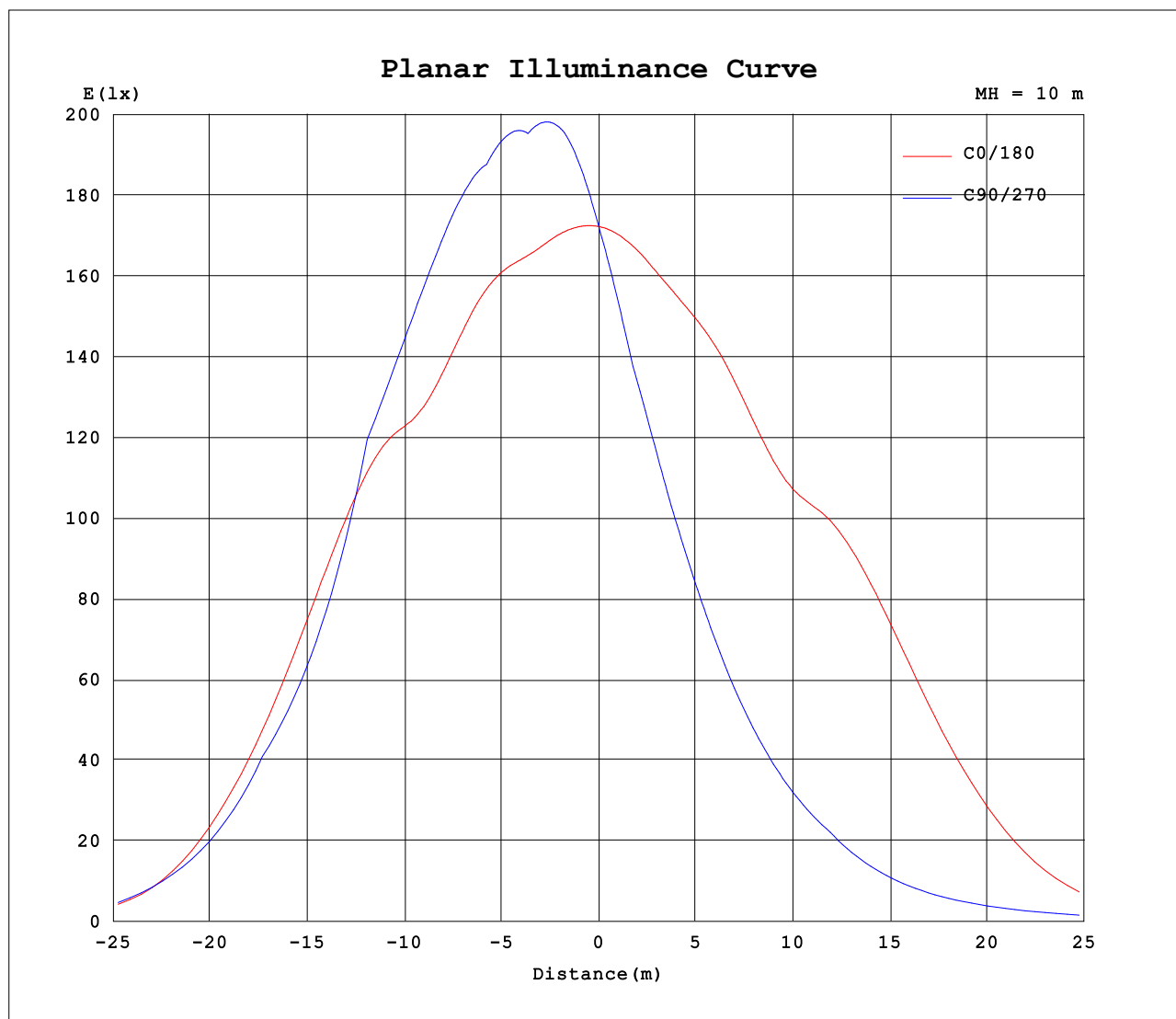
Test:U:119.92V I:6.5738A P:774.46W PF:0.9824 Freq:59.98Hz Lamp Flux:102305x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:11 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



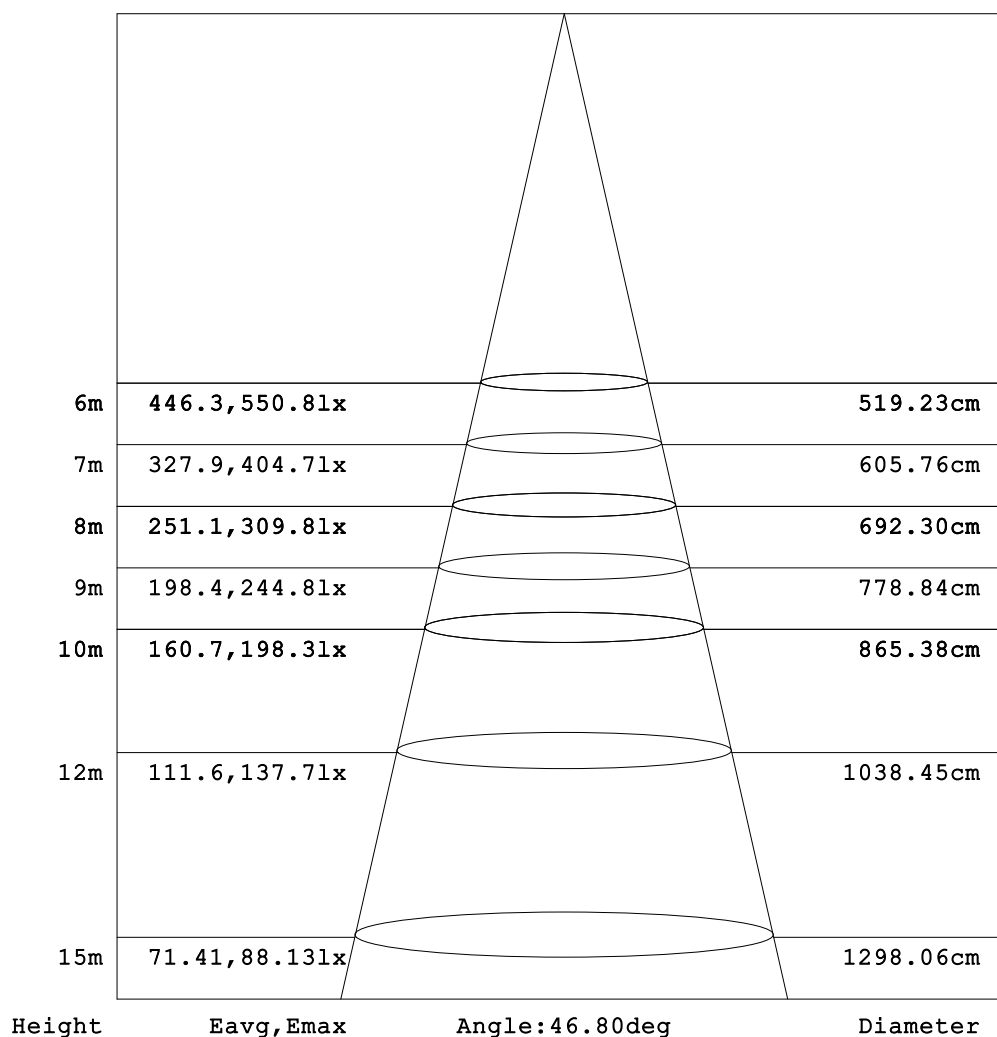
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:11 November 2019

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:119.92V I:6.5738A P:774.46W PF:0.9824 Freq:59.98Hz Lamp Flux:102305x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:9544 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:11 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:119.92V I:6.5738A P:774.46W PF:0.9824 Freq:59.98Hz Lamp Flux:102305x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	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	2.05	3.05	8.00	14.8	21.3	28.0	36.0	41.8	47.3	52.4	56.2	60.4	65.4	70.4	73.4	73.3	73.4	75.7	76.4
-75	2.09	3.74	12.2	24.5	36.3	48.3	60.7	73.0	87.8	106	134	173	204	218	218	211	203	198	196
-70	2.22	6.21	21.4	38.9	56.1	73.4	90.3	110	135	168	227	301	350	367	360	344	330	319	315
-65	2.21	6.20	25.2	49.0	71.9	94.6	123	174	337	727	1349	1970	2333	2390	2262	2091	1944	1843	1797
-60	2.45	11.3	38.6	68.5	96.2	126	170	275	659	1498	2742	3837	4382	4381	4097	3773	3510	3338	3276
-55	2.34	9.75	41.3	77.5	112	153	258	637	1602	2793	3793	4442	4671	4608	4416	4211	4043	3930	3887
-50	2.74	17.3	58.8	101	141	205	432	1272	3039	4524	5172	5202	4970	4770	4652	4575	4521	4493	4500
-45	2.46	15.1	60.7	108	155	268	769	2090	3710	4735	5008	4857	4601	4404	4276	4185	4118	4082	4081
-40	3.00	26.8	82.0	133	193	438	1489	3562	4927	5161	4828	4410	4140	3977	3859	3764	3695	3664	3671
-35	2.59	21.5	80.9	136	205	561	1928	3933	5063	5120	4696	4259	3966	3760	3591	3449	3345	3288	3277
-30	3.26	37.2	103	160	273	1014	3161	4958	5359	4951	4372	3969	3700	3470	3260	3087	2965	2900	2890
-25	2.72	29.8	99.5	160	285	1137	3286	4974	5304	4842	4238	3812	3506	3242	3013	2831	2709	2639	2620
-20	3.54	50.3	122	185	445	1928	4298	5321	5146	4478	3903	3521	3202	2915	2683	2518	2416	2363	2354
-15	2.84	39.0	114	180	411	1781	4057	5118	4970	4294	3704	3320	3014	2741	2520	2363	2267	2214	2199
-10	3.70	59.0	134	206	655	2554	4483	5012	4563	3833	3327	2989	2711	2469	2284	2162	2090	2053	2047
-5	2.92	45.4	125	195	525	2136	4046	4676	4294	3559	3066	2765	2515	2291	2118	2001	1932	1894	1884
0	3.83	64.4	145	226	775	2627	4067	4311	3745	3033	2668	2436	2224	2035	1896	1806	1753	1726	1723
5	2.77	47.9	133	205	555	2052	3533	3924	3460	2788	2446	2241	2057	1886	1755	1669	1617	1589	1581
10	4.41	65.5	151	228	722	2218	3332	3456	2880	2359	2134	1972	1818	1677	1574	1506	1466	1445	1441
15	2.69	47.9	136	207	481	1628	2796	3102	2684	2202	1980	1835	1702	1579	1484	1420	1378	1356	1351
20	4.50	64.9	152	223	539	1608	2528	2669	2244	1932	1763	1644	1535	1437	1363	1313	1279	1263	1261
25	2.95	45.6	134	203	356	1068	1996	2353	2130	1840	1665	1550	1454	1370	1301	1251	1216	1196	1191
30	4.40	60.1	147	211	343	934	1717	2020	1878	1662	1515	1416	1338	1272	1217	1173	1142	1124	1122
35	3.27	40.7	125	193	264	580	1212	1653	1707	1581	1448	1347	1268	1204	1152	1108	1076	1056	1051
40	4.37	52.7	136	197	248	453	942	1360	1499	1442	1336	1244	1171	1114	1068	1029	1000	984	982
45	3.57	32.8	109	176	218	313	587	935	1167	1245	1228	1173	1111	1053	1003	961	931	913	909
50	4.23	39.8	113	173	208	252	375	625	888	1052	1101	1078	1026	970	920	880	852	839	838
55	3.82	22.7	80.9	140	180	212	274	401	561	692	774	806	806	782	748	717	696	687	686
60	4.09	24.7	74.7	127	164	188	212	241	293	375	467	539	579	581	564	545	534	534	536
65	3.98	13.0	45.8	83.0	114	136	157	181	213	258	313	358	389	401	401	397	396	398	400
70	4.04	11.1	31.9	53.2	73.6	91.1	111	131	149	164	179	192	207	222	237	249	259	263	264
75	4.04	6.59	19.5	34.3	49.0	61.8	75.6	89.8	104	116	128	139	151	163	173	178	183	186	187
80	4.07	5.49	12.9	21.5	29.7	37.7	46.0	54.2	63.6	73.3	82.2	90.4	100	109	111	110	109	110	110
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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:11 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:119.92V I:6.5738A P:774.46W PF:0.9824 Freq:59.98Hz Lamp Flux:102305x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	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	75.5	73.4	73.0	72.8	68.8	63.1	57.8	53.2	48.7	43.1	37.7	32.0	24.5	18.3	12.3	6.98	4.77	3.43	
-75	196	199	203	205	198	178	148	118	98.8	84.4	71.3	60.0	48.4	36.0	24.7	13.6	5.67	3.61	
-70	318	327	335	337	321	282	225	173	143	120	100	83.6	67.2	49.1	32.4	16.2	5.11	3.32	
-65	1815	1894	2021	2177	2302	2255	1914	1315	679	302	168	121	94.0	70.7	48.8	26.5	8.52	3.72	
-60	3334	3505	3767	4080	4303	4142	3396	2188	1012	401	211	146	111	83.8	56.4	28.2	8.23	3.27	
-55	3921	4029	4197	4405	4605	4680	4464	3818	2798	1632	618	236	148	109	76.6	42.6	13.2	3.68	
-50	4539	4611	4706	4816	4966	5188	5347	5087	4131	2390	780	268	166	121	83.4	43.5	11.6	3.69	
-45	4116	4187	4287	4406	4549	4744	4977	5084	4773	3762	2116	711	241	149	105	60.9	18.7	3.50	
-40	3715	3798	3914	4048	4200	4392	4686	5044	5139	4538	2785	832	254	158	110	60.2	14.9	3.07	
-35	3313	3399	3530	3703	3906	4129	4410	4791	5127	5028	3984	1974	527	194	132	81.1	26.4	3.61	
-30	2937	3043	3211	3435	3696	3966	4271	4701	5175	5285	4473	2335	547	196	135	80.0	21.6	3.07	
-25	2650	2732	2872	3078	3346	3646	3977	4387	4918	5289	4981	3430	1162	267	154	99.4	36.3	3.85	
-20	2387	2468	2606	2819	3111	3454	3828	4272	4866	5317	5092	3595	1147	251	152	94.9	28.0	3.02	
-15	2221	2282	2390	2563	2815	3127	3474	3878	4448	5037	5142	4182	1929	394	172	113	46.2	4.01	
-10	2073	2132	2232	2395	2635	2935	3267	3680	4290	4912	5014	4046	1799	346	167	106	37.2	3.12	
-5	1901	1948	2029	2159	2359	2619	2906	3235	3744	4442	4768	4188	2358	535	185	123	52.8	4.17	
0	1744	1791	1868	1990	2179	2414	2664	2951	3473	4195	4467	3804	1986	432	176	113	40.5	3.27	
5	1595	1631	1694	1793	1948	2148	2361	2591	2956	3636	4070	3695	2267	587	195	129	55.2	4.70	
10	1457	1492	1554	1649	1792	1966	2143	2340	2664	3339	3677	3184	1759	421	183	118	41.7	2.58	
15	1361	1389	1440	1516	1631	1774	1926	2090	2338	2842	3256	2957	1807	512	198	132	55.1	5.38	
20	1274	1302	1352	1423	1524	1643	1769	1918	2158	2584	2850	2398	1248	345	183	117	39.8	3.85	
25	1201	1226	1268	1328	1410	1507	1615	1746	1944	2252	2478	2135	1197	379	195	131	52.4	5.54	
30	1135	1163	1206	1262	1332	1413	1508	1638	1834	2060	2077	1572	721	270	181	114	37.3	3.93	
35	1061	1086	1124	1174	1236	1308	1394	1507	1652	1782	1732	1308	653	275	186	123	47.1	5.32	
40	995	1022	1061	1109	1166	1234	1321	1430	1531	1528	1283	790	361	222	170	102	31.8	4.12	
45	918	942	978	1024	1077	1137	1201	1260	1283	1210	984	635	335	218	170	108	39.0	5.04	
50	849	874	911	958	1011	1065	1107	1109	1026	830	558	337	237	193	149	84.6	24.3	4.14	
55	691	704	729	763	797	819	817	787	711	585	428	292	217	179	139	83.2	27.8	4.84	
60	537	543	560	582	593	576	521	444	353	281	236	207	180	152	108	57.9	15.1	4.04	
65	399	398	400	405	405	393	362	319	266	220	186	161	137	115	85.3	49.7	16.4	4.72	
70	261	253	243	230	215	201	187	174	158	143	125	105	86.2	68.5	48.4	27.3	9.02	3.96	
75	186	182	177	172	162	150	139	128	116	104	90.4	76.9	63.4	51.0	37.6	22.4	8.97	4.63	
80	109	109	110	110	104	95.2	86.5	78.3	68.9	59.0	50.5	43.1	35.4	28.4	21.3	11.2	5.88	3.99	
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:11 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: