

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	342.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	155.7V x 152.0H
	At 50% of Imax	118.8V x 115.7H
	At 90% of Imax	57.3V x 55.5H

Beam Flux	Total	998.6 lumens per klm.
	To 10% of Imax	985.7 lumens per klm.
	To 50% of Imax	795.7 lumens per klm.
	To 90% of Imax	242.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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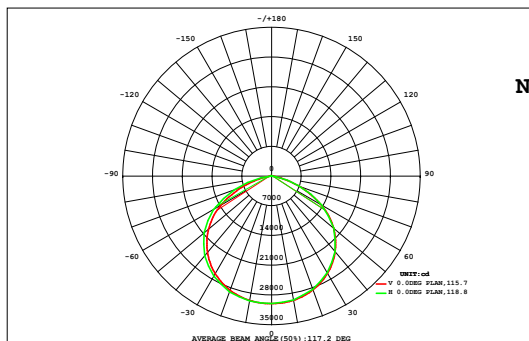
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 2019

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:120.06V I:4.9372A P:582.14W PF:0.9821 Freq:59.98Hz Lamp Flux:87595.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:600W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:150.47lm/W	
NJZ-MODE600-V01-RZ-120-TG-BL		Imax(cd)	30017
NOMINAL POWER(W)	600	AVAILABILITY(%)	98.9
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	86622
NOMINAL FLUX(lm)	87595.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	87595
TEST VOLTAGE(V)	120	θ @50% (H,V)	116,119DEG

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	0.10	1.01	6.03	20.8	47.3	82.1	119	149	167	170	159	133	98.2	61.5	30.5	10.7	2.11	0.19	1258	1023
70	0.14	3.09	20.9	65.2	133	212	286	344	376	380	354	299	229	151	79.8	29.5	5.63	0.29	2968	2904
60	0.23	7.21	43.9	122	228	342	442	516	557	560	524	453	357	246	139	55.3	11.3	0.51	4604	4568
50	0.37	12.5	69.1	176	310	445	560	643	687	690	649	570	459	328	194	82.2	17.9	0.81	5894	5870
40	0.57	18.2	92.3	222	374	520	645	736	784	786	741	654	533	389	238	106	24.3	1.13	6863	6844
30	0.74	22.9	110	254	417	572	705	800	851	853	806	714	585	432	271	124	29.9	1.42	7549	7533
	0.89	26.4	122	275	443	605	741	839	891	893	845	750	616	457	290	136	33.6	1.63	7967	7953
	0.95	27.8	126	283	454	618	756	855	906	908	861	765	630	469	299	141	35.5	1.73	8139	8126
	0.93	27.4	125	280	451	614	752	851	902	903	856	761	626	466	297	140	34.9	1.70	8088	8075
	0.81	24.7	116	266	432	592	727	825	876	878	831	737	605	448	284	132	32.5	1.56	7809	7795
	0.63	20.7	102	239	398	551	681	775	826	828	782	692	566	416	259	118	28.0	1.28	7282	7266
-30	0.39	15.2	80.9	200	346	489	611	699	747	750	708	624	507	368	223	98.3	22.4	0.95	6493	6472
-40	0.22	9.70	57.1	152	276	404	515	596	640	643	606	531	426	301	176	73.6	15.9	0.57	5423	5395
-50	0.12	4.88	32.9	96.8	189	290	385	455	494	499	467	405	316	216	120	47.4	9.49	0.32	4029	3986
-60	0.07	1.75	13.5	45.6	98.2	162	227	277	308	312	291	248	188	122	64.1	23.5	4.29	0.18	2386	2300
-70	0.05	0.38	2.53	10.2	26.3	49.8	75.4	97.7	111	115	108	90.6	65.9	40.5	19.7	6.67	1.21	0.11	821	512
-80	0.02	0.05	0.08	0.14	0.38	0.84	1.59	2.53	3.27	3.59	3.52	2.88	2.00	1.20	0.57	0.24	0.07	0.04	23.0	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	7.25	224	1121	2708	4624	6547	8227	9461	10127	10172	9592	8432	6809	4913	2983	1324	309	14.4	87595	---
Φ a	0.00	123	1044	2641	4563	6490	8170	9420	10094	10142	9560	8388	6749	4859	2920	1252	207	0.00	---	86622

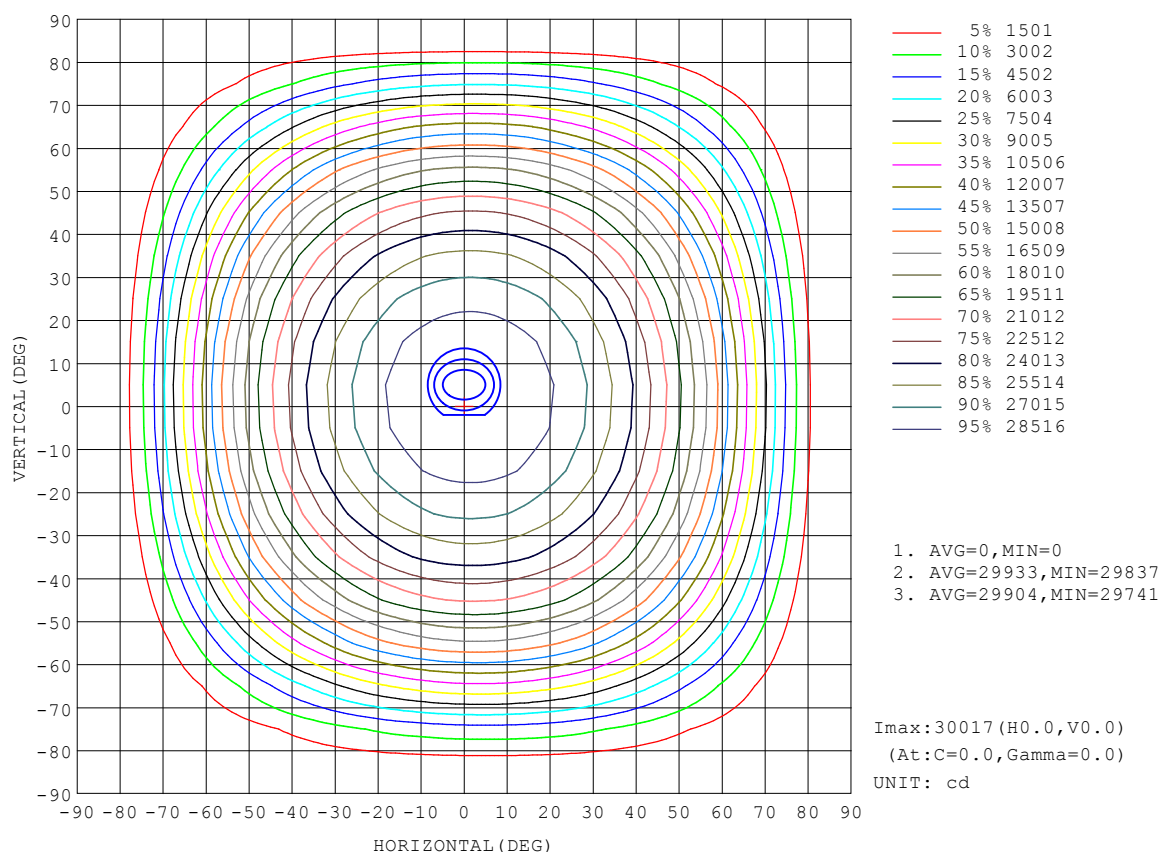
one-half-peak spread: U:57.7,D:61.6 , L:57.7,R:58.4 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 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:120.06V I:4.9372A P:582.14W PF:0.9821 Freq:59.98Hz Lamp Flux:87595.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:600W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

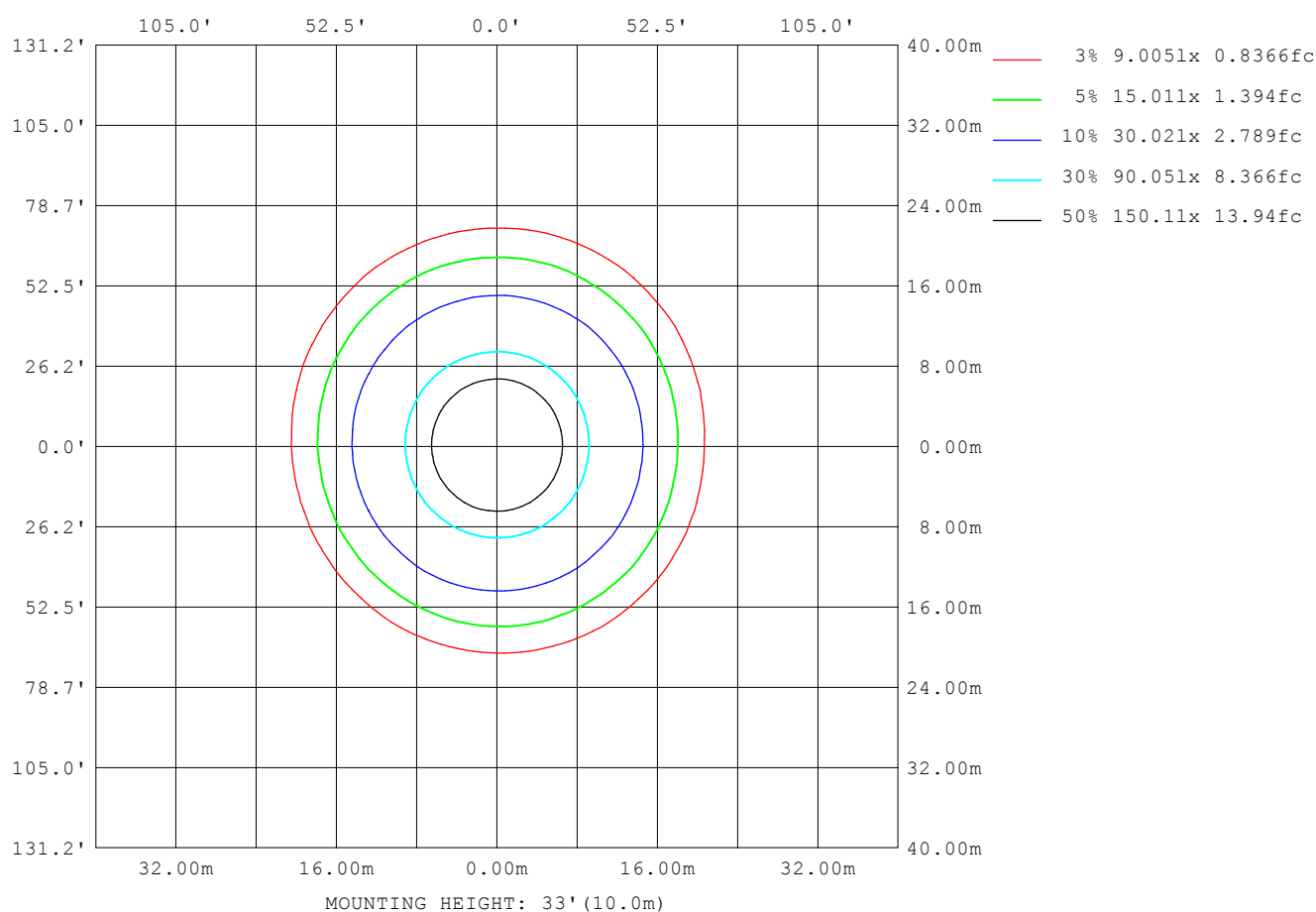


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 2019

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

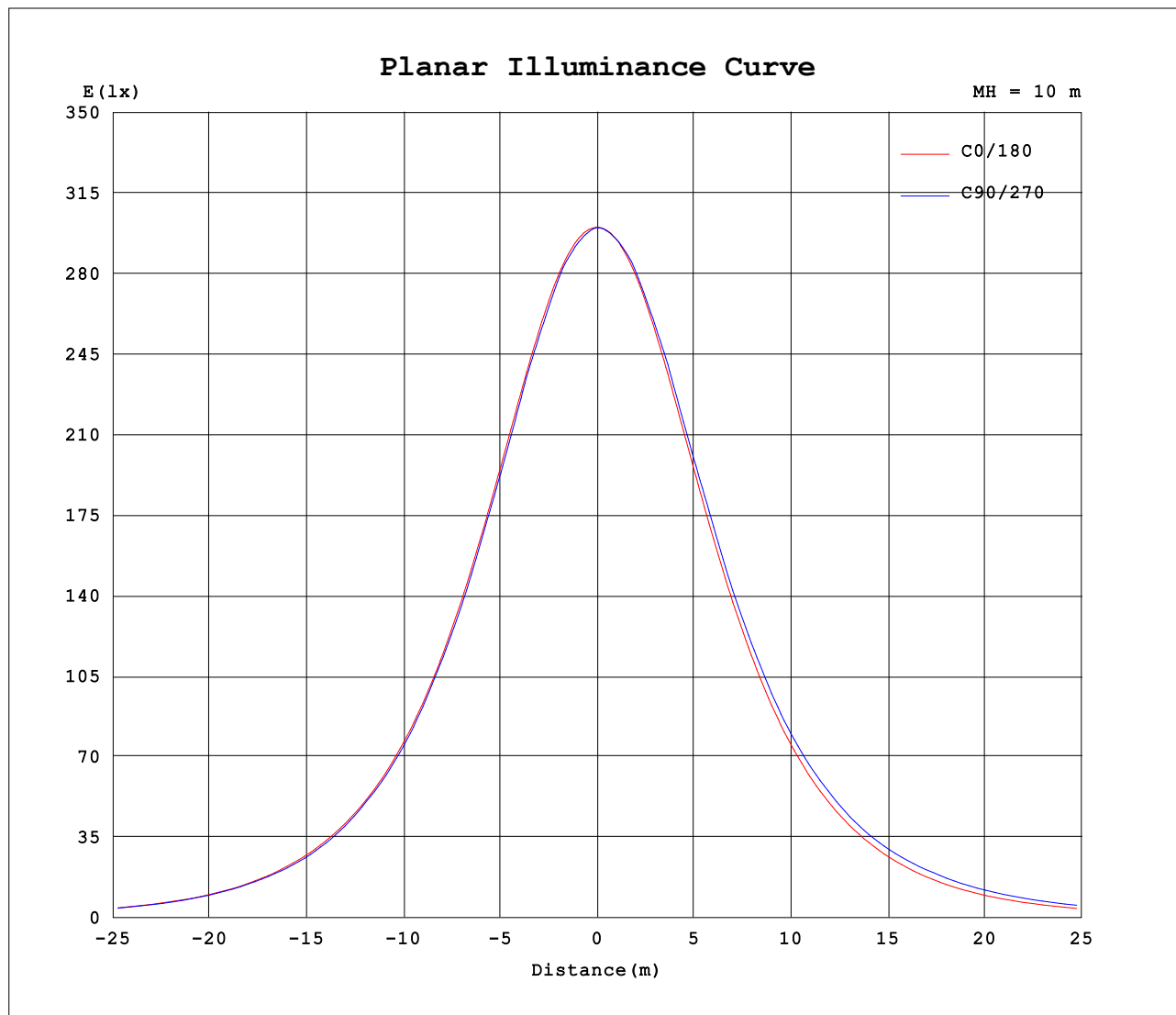
Test:U:120.06V I:4.9372A P:582.14W PF:0.9821 Freq:59.98Hz Lamp Flux:87595.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:600W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 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



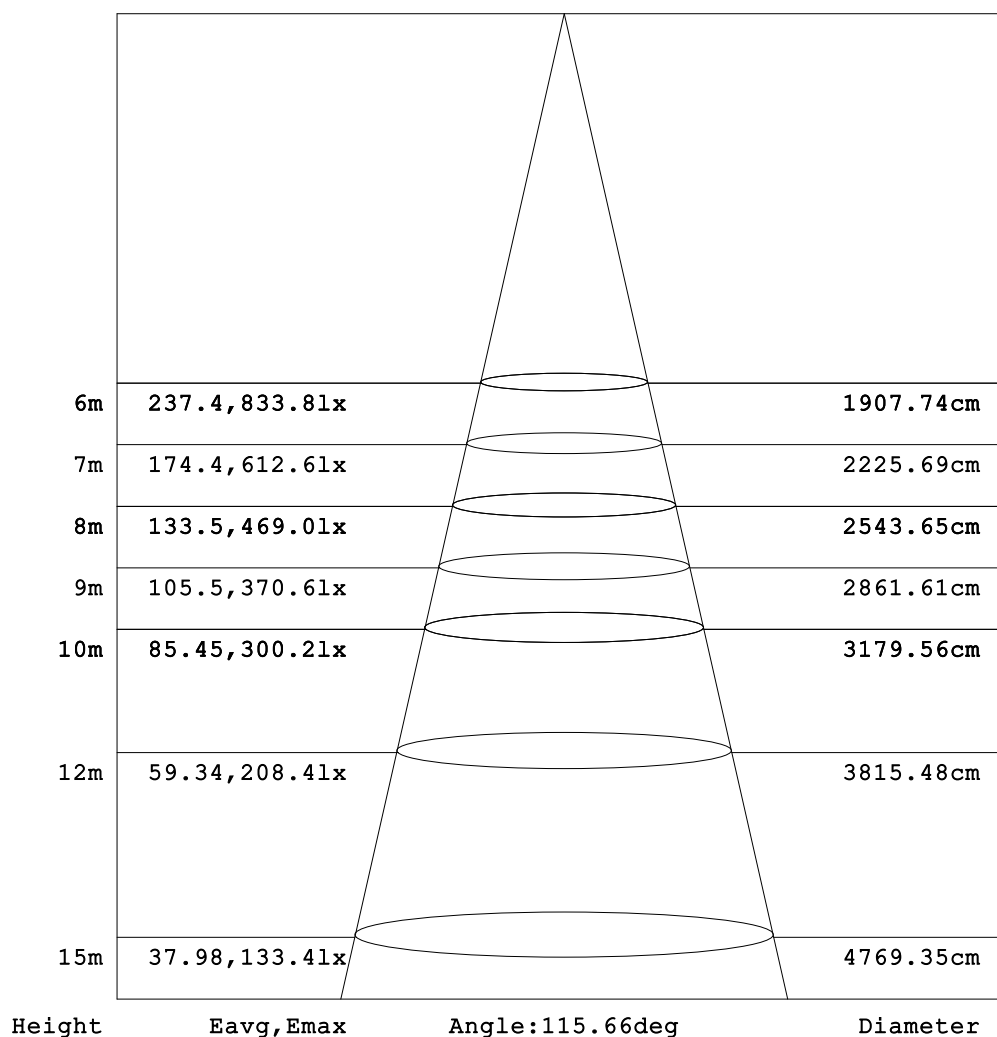
$H(\beta)$  Range: -90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: CL  
 Test Date: 06 November 2019

$V(B)$  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:120.06V I:4.9372A P:582.14W PF:0.9821 Freq:59.98Hz Lamp Flux:87595.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:600W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:68750 lm



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 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:120.06V I:4.9372A P:582.14W PF:0.9821 Freq:59.98Hz Lamp Flux:87595.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:600W	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	1.68	1.69	1.77	2.48	4.45	6.63	9.07	13.2	19.4	27.9	38.2	49.2	60.6	71.9	83.1	93.9	102	109	114
-75	1.73	1.73	2.32	4.82	11.6	24.0	42.7	68.1	99.8	136	175	214	253	288	320	347	367	383	392
-70	1.71	1.79	3.45	8.83	22.8	47.7	85.4	135	194	259	327	395	460	518	570	609	638	662	673
-65	1.80	1.89	4.19	15.8	46.0	95.4	165	249	345	443	543	636	726	806	872	926	968	999	1014
-60	1.77	2.45	7.13	31.9	85.8	168	276	400	534	667	798	914	1027	1124	1198	1261	1313	1344	1358
-55	1.88	2.34	8.44	43.8	118	229	370	528	690	850	1003	1138	1262	1374	1460	1527	1580	1614	1631
-50	1.83	3.35	16.8	79.7	189	344	525	719	910	1097	1266	1413	1545	1663	1750	1816	1863	1894	1907
-45	1.96	3.01	18.0	90.0	220	402	612	833	1049	1247	1430	1590	1726	1844	1938	2010	2062	2097	2114
-40	1.90	4.46	36.9	144	317	541	786	1034	1271	1471	1663	1825	1957	2068	2158	2228	2278	2310	2323
-35	2.03	3.77	34.6	145	334	580	844	1107	1357	1577	1770	1938	2078	2195	2291	2366	2420	2456	2472
-30	1.94	6.16	64.0	209	444	721	1008	1282	1537	1762	1949	2112	2250	2364	2457	2528	2580	2611	2623
-25	2.07	4.85	53.8	200	443	734	1036	1324	1590	1819	2015	2184	2328	2449	2546	2622	2678	2713	2729
-20	1.96	10.4	87.1	275	554	867	1182	1477	1740	1959	2152	2318	2459	2576	2670	2742	2793	2825	2836
-15	2.10	6.62	69.4	245	525	846	1170	1480	1750	1978	2178	2349	2496	2618	2717	2793	2848	2883	2897
-10	1.97	12.5	102	315	622	955	1284	1598	1857	2081	2276	2443	2586	2704	2798	2869	2920	2949	2959
-5	2.12	8.01	79.0	272	573	911	1247	1566	1834	2064	2266	2439	2586	2709	2807	2883	2936	2968	2980
0	2.00	14.9	112	339	659	999	1345	1649	1907	2132	2329	2497	2639	2757	2850	2921	2969	2995	3002
5	2.16	8.39	81.4	279	583	923	1264	1583	1850	2081	2282	2455	2603	2725	2823	2899	2952	2983	2994
10	2.06	13.5	108	330	646	981	1320	1632	1890	2114	2309	2477	2619	2737	2830	2901	2950	2978	2987
15	2.22	8.18	76.8	264	556	888	1219	1533	1800	2029	2229	2401	2548	2669	2767	2843	2897	2930	2943
20	2.13	13.5	99.2	303	600	925	1247	1550	1807	2028	2221	2388	2529	2645	2738	2809	2860	2890	2900
25	2.28	7.48	65.3	229	494	801	1115	1413	1680	1906	2102	2271	2416	2536	2633	2709	2763	2797	2812
30	2.21	10.5	79.7	248	509	803	1104	1390	1649	1867	2054	2217	2356	2470	2562	2633	2684	2714	2725
35	2.34	6.63	49.7	180	399	667	952	1227	1484	1704	1896	2061	2201	2317	2413	2487	2540	2574	2589
40	2.27	8.46	57.9	186	393	644	913	1173	1408	1622	1808	1964	2095	2207	2296	2365	2414	2443	2454
45	2.39	5.58	32.9	125	286	501	738	976	1205	1413	1598	1758	1894	2006	2097	2168	2220	2253	2267
50	2.33	6.62	33.8	117	259	449	660	875	1086	1282	1455	1610	1741	1846	1929	1994	2042	2071	2082
55	2.42	4.28	18.5	72.2	173	319	492	674	863	1038	1202	1350	1478	1582	1667	1736	1787	1818	1833
60	2.36	4.95	17.1	59.5	140	253	397	550	713	862	1011	1144	1261	1356	1434	1501	1547	1575	1585
65	2.43	3.04	9.81	32.2	81.4	157	257	371	497	618	739	850	953	1038	1108	1170	1214	1241	1254
70	2.39	2.97	7.81	20.0	49.3	96.4	161	242	330	422	513	599	681	750	809	860	894	914	924
75	2.44	2.39	4.69	10.7	25.0	49.0	84.0	129	182	238	296	352	408	456	498	533	558	575	585
80	2.40	2.29	3.00	5.67	8.53	13.9	23.7	37.5	56.7	77.9	101	128	156	180	202	217	230	240	247
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:06 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:120.06V I:4.9372A P:582.14W PF:0.9821 Freq:59.98Hz Lamp Flux:87595.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:600W	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	115	116	114	109	102	92.3	80.9	69.8	58.2	46.5	35.2	25.8	18.2	12.0	6.29	3.83	3.57	2.14	
-75	395	393	384	369	349	319	286	250	211	171	132	95.3	64.0	39.2	18.5	6.94	4.25	2.57	
-70	675	667	648	622	585	534	478	415	346	279	214	151	98.8	57.6	24.4	8.02	4.49	2.07	
-65	1017	1007	982	944	896	833	757	672	578	480	379	281	191	116	56.2	16.5	5.80	2.69	
-60	1357	1339	1302	1249	1185	1104	1003	893	770	642	505	374	250	148	67.6	17.4	5.47	1.98	
-55	1632	1616	1581	1529	1463	1376	1267	1148	1012	860	698	534	375	233	119	36.7	8.02	2.61	
-50	1904	1882	1842	1786	1710	1608	1484	1353	1194	1015	826	630	440	267	132	35.2	7.07	1.26	
-45	2113	2094	2055	2000	1925	1827	1707	1570	1406	1219	1016	798	578	372	195	69.4	10.6	2.47	
-40	2317	2293	2250	2187	2104	2001	1877	1728	1547	1346	1120	878	631	398	199	66.4	8.37	1.39	
-35	2469	2448	2407	2346	2266	2164	2041	1893	1718	1517	1288	1036	769	509	273	105	14.2	2.30	
-30	2616	2589	2543	2477	2390	2282	2150	1994	1814	1602	1360	1090	800	518	267	93.9	9.44	1.74	
-25	2725	2702	2659	2596	2512	2406	2277	2123	1944	1738	1497	1220	924	623	343	133	21.0	2.05	
-20	2828	2800	2752	2684	2595	2482	2346	2184	1997	1783	1531	1234	924	610	320	112	13.6	1.78	
-15	2893	2870	2826	2762	2676	2568	2435	2278	2094	1883	1640	1352	1034	710	397	155	28.0	1.93	
-10	2952	2925	2877	2809	2719	2605	2466	2302	2112	1893	1641	1346	1014	680	363	130	19.1	1.80	
-5	2977	2956	2914	2850	2764	2654	2520	2361	2175	1961	1716	1428	1093	761	429	168	30.8	2.04	
0	2996	2973	2928	2860	2768	2654	2515	2350	2157	1937	1683	1382	1037	704	377	132	18.6	1.65	
5	2991	2970	2929	2865	2779	2668	2535	2375	2189	1974	1728	1440	1102	770	434	170	30.9	2.22	
10	2980	2954	2908	2840	2749	2634	2495	2331	2139	1918	1667	1370	1030	696	371	132	19.3	1.79	
15	2939	2916	2873	2809	2722	2613	2480	2321	2136	1923	1679	1389	1062	735	411	160	28.8	2.30	
20	2892	2864	2816	2747	2656	2543	2405	2242	2052	1835	1585	1281	962	637	335	117	16.3	1.88	
25	2807	2783	2739	2675	2589	2482	2351	2195	2013	1806	1562	1278	971	658	362	139	25.4	2.32	
30	2716	2688	2640	2572	2484	2373	2239	2079	1896	1685	1433	1154	853	555	284	98.4	15.1	1.95	
35	2585	2561	2518	2456	2372	2268	2141	1990	1815	1609	1373	1108	826	548	293	111	20.3	2.35	
40	2447	2420	2375	2309	2223	2116	1987	1836	1656	1444	1210	954	686	433	214	73.7	11.1	2.05	
45	2264	2242	2201	2142	2063	1964	1843	1697	1531	1335	1117	882	640	412	213	79.2	14.8	2.37	
50	2075	2050	2007	1947	1867	1767	1644	1493	1331	1142	932	716	501	302	147	48.4	8.80	2.11	
55	1830	1811	1773	1715	1639	1548	1436	1302	1152	987	806	618	435	268	136	48.8	10.6	2.37	
60	1580	1558	1518	1457	1378	1288	1178	1052	909	762	604	447	298	173	81.6	26.0	6.75	2.18	
65	1253	1239	1208	1159	1094	1021	931	828	716	596	472	349	235	140	68.7	24.5	7.30	2.35	
70	922	910	882	837	783	721	645	561	474	381	290	204	130	73.1	33.6	12.2	5.11	2.22	
75	585	579	565	539	505	464	416	361	305	246	188	134	87.0	50.5	25.2	10.7	5.08	2.32	
80	247	245	238	228	211	189	165	138	112	86.0	62.8	43.1	27.6	15.8	9.44	5.95	3.40	2.26	
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:06 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: