

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	719.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	161.5V x 140.9H
	At 50% of Imax	39.7V x 117.9H
	At 90% of Imax	12.8V x 102.3H

Beam Flux	Total	998.3 lumens per klm.
	To 10% of Imax	897.8 lumens per klm.
	To 50% of Imax	525.4 lumens per klm.
	To 90% of Imax	57.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

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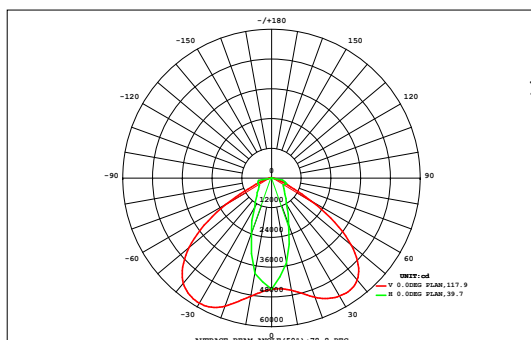
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 2019

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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:120.04V I:4.9697A P:585.87W PF:0.9821 Freq:59.98Hz Lamp Flux:80973.9x1 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:138.21lm/W	
NJZMODEL 600-V01-RZ-32-PC-BL		Imax(cd)	58291
NOMINAL POWER(W)	600	AVAILABILITY(%)	90.0
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	72869
NOMINAL FLUX(lm)	80973.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	80974
TEST VOLTAGE(V)	120	θ @50%(H,V)	118,40DEG

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	0.27	3.76	13.1	27.9	46.6	67.9	99.1	154	204	201	149	98.7	71.1	51.4	32.3	16.7	5.93	0.69	1244	344
70	0.57	6.95	22.2	44.9	70.4	93.4	117	146	175	173	144	118	97.1	74.9	49.3	25.6	8.88	1.10	1369	110
60	0.95	10.4	33.6	68.1	103	132	156	175	186	187	177	160	138	110	74.6	38.1	12.5	1.49	1764	686
50	1.29	13.8	47.6	102	153	192	218	235	244	246	240	226	202	164	112	53.9	16.2	1.87	2469	2245
40	1.58	16.8	64.8	160	251	301	326	338	344	348	349	342	320	272	180	74.0	19.2	2.16	3711	3597
30	1.78	18.9	86.1	270	459	549	571	565	556	566	593	611	590	496	304	101	21.8	2.39	6361	6274
20	1.91	20.5	110	422	777	972	1019	981	942	966	1043	1097	1036	821	462	132	23.8	2.52	10829	10755
10	1.94	21.1	126	531	1019	1318	1416	1366	1311	1348	1458	1520	1383	1053	569	152	25.0	2.60	14619	14552
0	1.92	21.0	124	519	997	1286	1375	1324	1272	1308	1416	1477	1346	1027	556	149	24.7	2.57	14226	14156
-10	1.78	19.7	103	387	707	879	916	883	853	881	956	1001	937	744	423	124	23.5	2.47	9842	9766
-20	1.51	17.8	77.9	233	387	450	459	458	460	474	498	511	496	422	262	92.3	21.2	2.20	5324	5233
-30	1.11	15.2	56.7	130	195	234	261	279	289	293	289	276	254	215	147	66.8	18.6	1.83	3022	2885
-40	0.76	11.9	41.2	84.4	126	161	188	205	216	217	210	195	171	136	94.2	48.5	15.3	1.39	2123	1742
-50	0.47	8.17	28.0	56.9	87.3	114	138	160	175	175	162	142	121	94.6	64.7	34.2	11.5	1.05	1574	226
-60	0.26	4.85	17.5	36.2	58.8	79.5	103	136	169	168	135	105	83.9	64.6	42.3	22.4	7.31	0.70	1234	127
-70	0.11	1.98	8.43	18.9	33.1	49.6	73.3	119	171	168	115	74.6	53.5	38.4	24.1	12.4	3.83	0.40	966	171
-80	0.03	0.12	0.91	2.86	5.99	11.5	22.2	40.9	58.9	58.4	40.9	23.5	14.0	8.94	5.15	2.52	0.84	0.12	298	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	18.2	213	961	3093	5476	6891	7457	7566	7627	7777	7975	7979	7312	5792	3403	1146	260	27.6	80974	---
Φ a	0.00	0.00	543	2704	5003	6361	6831	6812	7000	7121	7234	7362	6797	5334	3013	753	0.00	0.00	---	72869

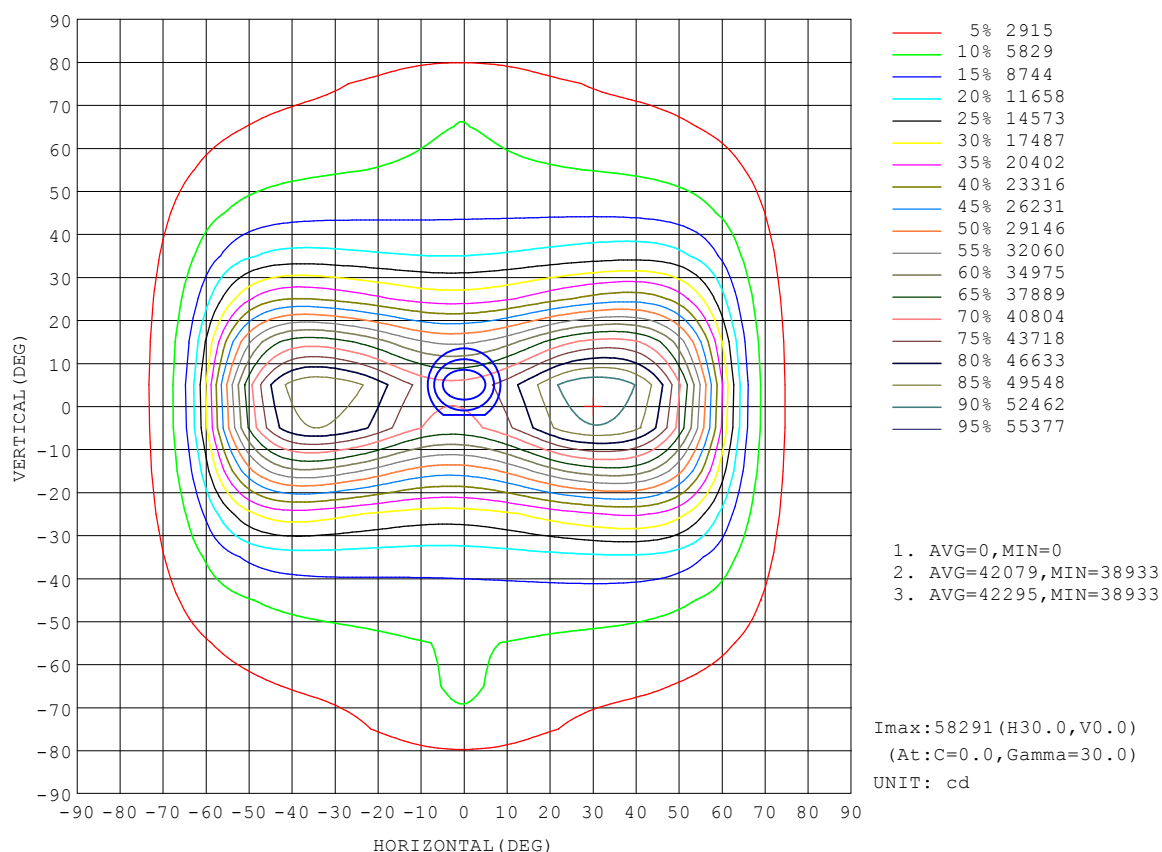
one-half-peak spread: U:18.4,D:21.7 , L:24.5,R:29.6 NEMA Beam Type: Type 7

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:120.04V I:4.9697A P:585.87W PF:0.9821 Freq:59.98Hz Lamp Flux:80973.9x1 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

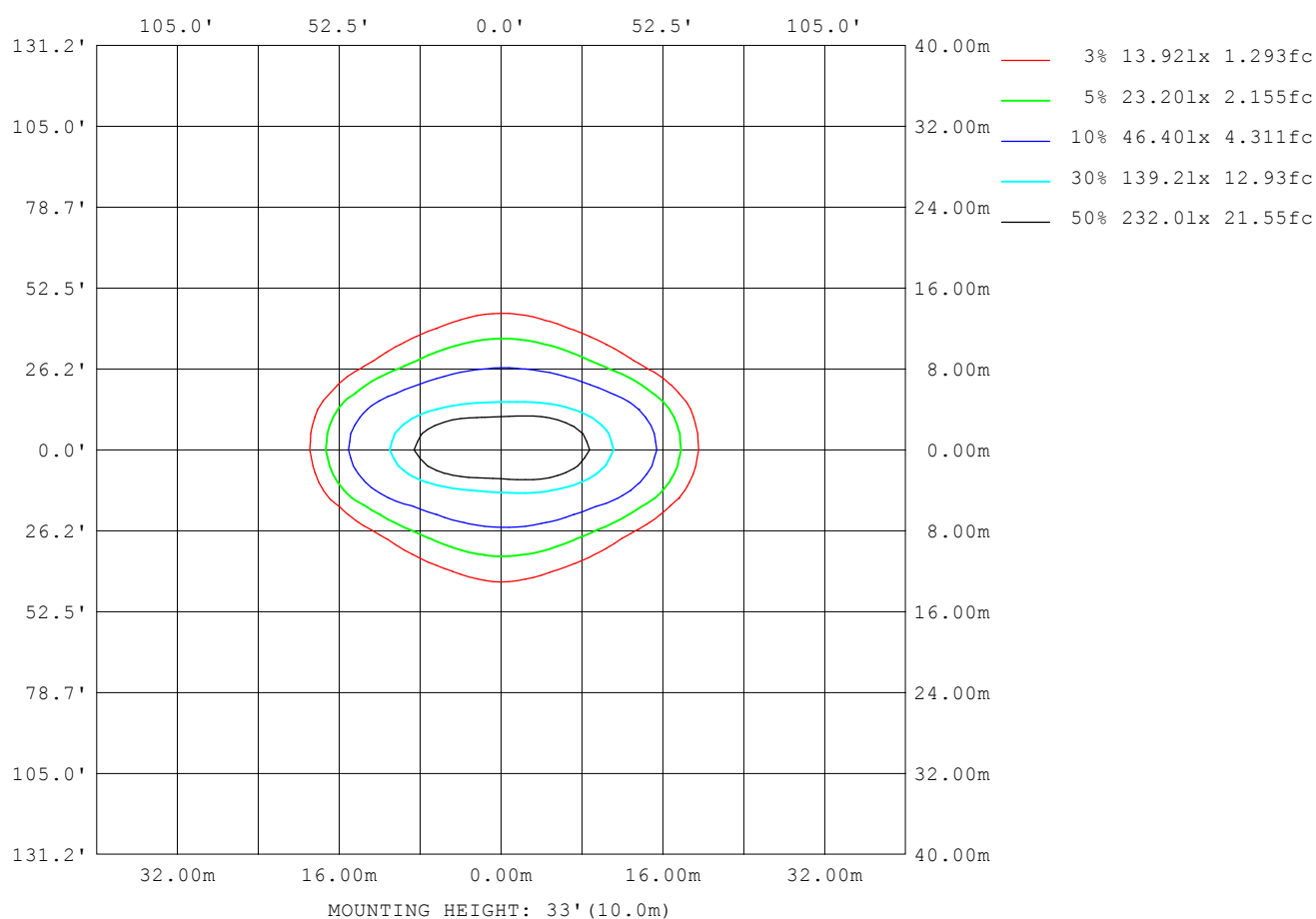


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 2019

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

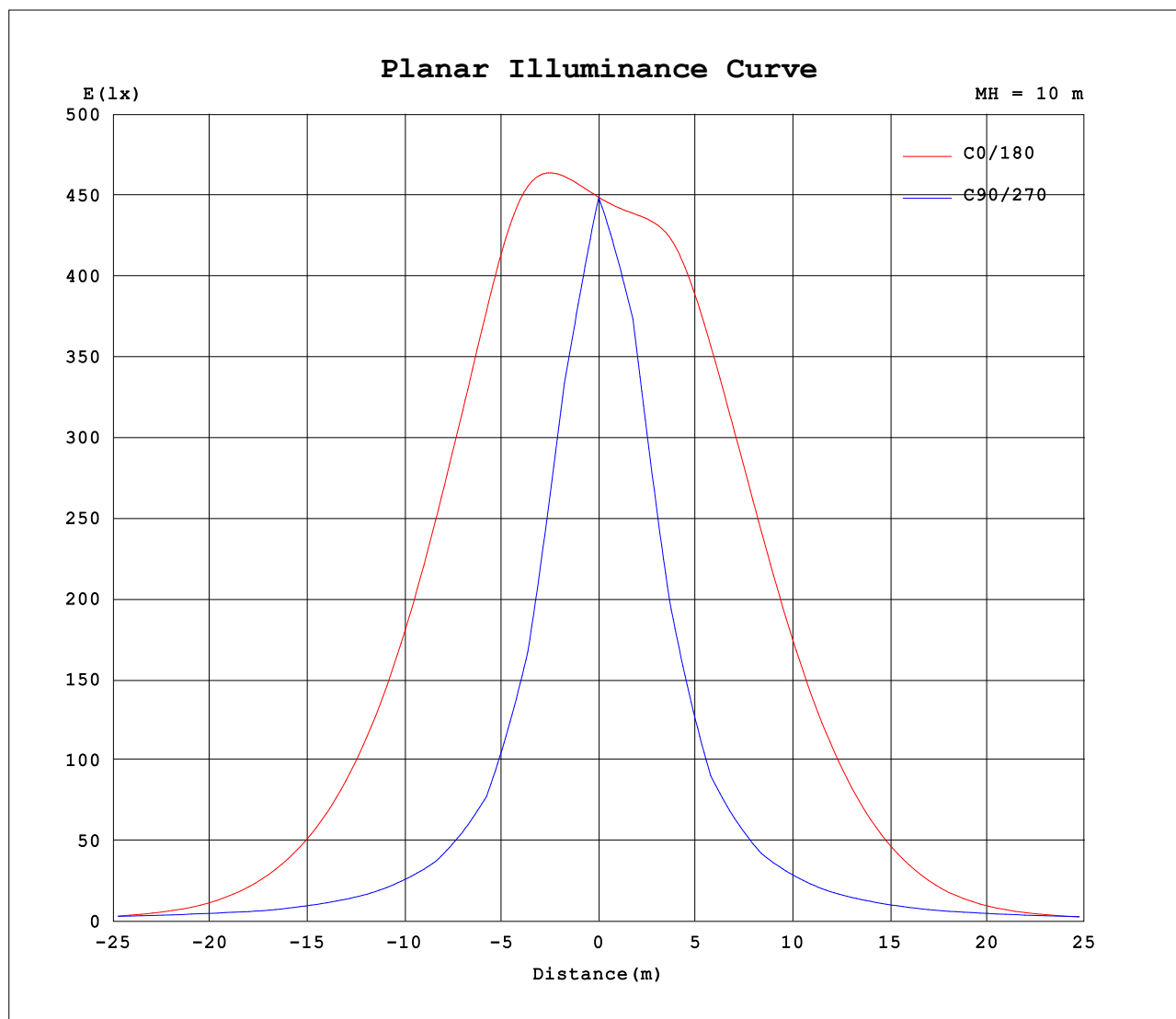
Test:U:120.04V I:4.9697A P:585.87W PF:0.9821 Freq:59.98Hz Lamp Flux:80973.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:600W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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



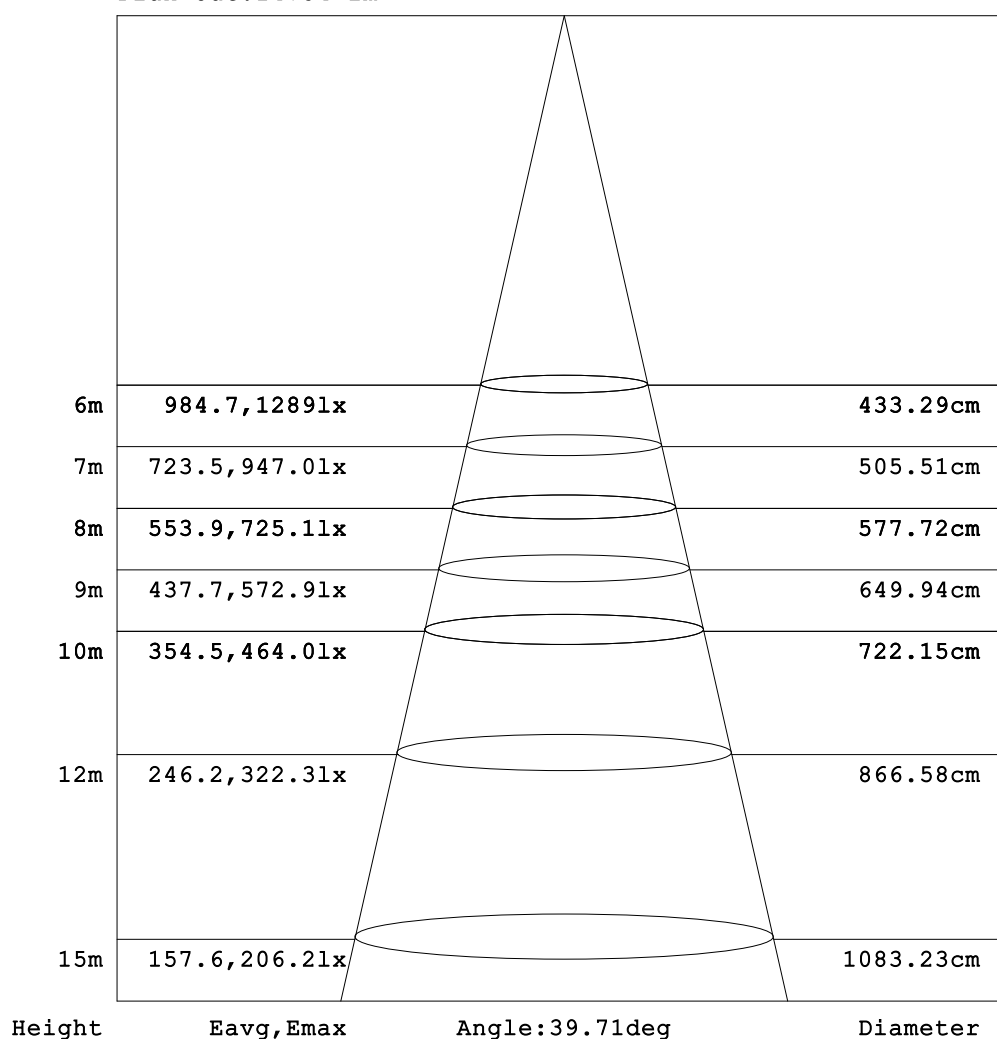
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:06 November 2019

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:120.04V I:4.9697A P:585.87W PF:0.9821 Freq:59.98Hz Lamp Flux:80973.9x1 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:14754 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: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:120.04V I:4.9697A P:585.87W PF:0.9821 Freq:59.98Hz Lamp Flux:80973.9x1 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	1.71	2.50	3.72	8.39	17.9	30.4	43.6	57.4	72.0	87.2	105	126	154	192	244	314	388	441	458
-75	1.70	2.92	8.25	23.3	44.0	64.7	86.2	108	130	152	174	195	222	259	312	386	472	536	557
-70	1.69	3.33	12.8	38.3	70.0	99.0	129	158	187	217	243	265	290	326	379	459	555	631	656
-65	1.69	4.77	21.3	57.4	97.7	136	174	211	246	278	303	325	347	378	419	475	537	586	602
-60	1.69	6.20	29.8	76.6	125	172	219	263	304	339	364	384	405	430	460	491	520	541	548
-55	1.70	8.15	40.0	97.9	156	217	277	333	380	417	446	469	489	510	532	554	575	590	596
-50	1.72	10.1	50.1	119	188	261	335	403	457	496	527	553	574	590	604	618	631	640	643
-45	1.75	13.4	63.7	142	222	316	416	505	572	619	653	677	693	704	713	721	728	734	738
-40	1.78	16.8	77.4	164	256	370	497	607	687	743	779	800	813	819	822	824	825	829	833
-35	1.82	19.1	90.1	179	285	431	613	793	922	997	1028	1037	1034	1027	1020	1013	1009	1010	1016
-30	1.87	21.4	103	195	314	493	728	978	1158	1251	1278	1273	1255	1235	1217	1203	1193	1191	1198
-25	1.91	25.7	111	207	344	568	927	1351	1676	1857	1914	1892	1830	1765	1707	1652	1613	1599	1608
-20	1.95	30.1	120	220	373	643	1125	1724	2195	2462	2551	2512	2405	2295	2196	2101	2033	2006	2018
-15	2.01	35.9	123	226	394	712	1352	2162	2822	3236	3429	3450	3365	3238	3090	2927	2803	2744	2755
-10	2.07	41.8	126	233	416	781	1578	2600	3448	4010	4308	4388	4325	4181	3984	3753	3573	3483	3492
-5	2.11	43.2	129	237	429	824	1712	2855	3819	4476	4840	4955	4909	4770	4549	4286	4084	3983	3990
0	2.15	44.6	131	241	441	867	1846	3110	4190	4941	5372	5522	5494	5358	5114	4819	4596	4483	4489
5	2.21	44.1	130	239	435	843	1771	2960	3966	4657	5046	5177	5144	5012	4787	4513	4301	4194	4199
10	2.27	43.6	129	238	428	820	1697	2810	3742	4373	4720	4832	4794	4666	4459	4206	4007	3904	3910
15	2.30	42.7	127	233	412	761	1490	2406	3161	3649	3896	3951	3886	3760	3591	3393	3236	3155	3158
20	2.33	41.9	126	229	396	702	1284	2002	2579	2926	3073	3070	2977	2854	2723	2580	2465	2406	2406
25	2.36	39.3	121	220	369	626	1064	1590	2000	2238	2330	2320	2255	2174	2090	2003	1934	1898	1900
30	2.39	36.7	115	210	342	550	845	1179	1422	1551	1586	1570	1533	1494	1458	1426	1402	1390	1393
35	2.42	33.8	108	197	314	486	711	948	1121	1218	1253	1252	1236	1217	1197	1181	1168	1163	1166
40	2.45	30.8	101	184	287	422	577	717	820	885	920	935	939	939	937	935	934	935	938
45	2.48	26.6	90.0	164	254	364	486	596	676	730	765	785	797	803	807	811	814	818	821
50	2.51	22.4	79.3	145	221	307	395	474	531	575	610	636	654	667	677	686	695	701	704
55	2.55	18.7	67.9	124	188	259	330	395	446	485	515	538	558	575	592	608	623	634	638
60	2.59	15.0	56.5	104	156	211	266	315	361	395	421	441	461	483	506	530	552	567	571
65	2.62	11.2	44.0	83.6	126	171	216	258	296	328	354	375	396	423	456	497	540	574	585
70	2.65	7.35	31.5	63.4	96.5	131	166	200	232	262	287	308	331	362	407	465	529	581	598
75	2.68	5.44	20.5	43.5	68.6	94.8	121	148	174	198	221	243	270	307	359	432	506	554	568
80	2.71	3.52	9.53	23.7	40.7	58.4	77.0	95.7	115	135	155	177	208	252	311	399	483	528	539
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: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:120.04V I:4.9697A P:585.87W PF:0.9821 Freq:59.98Hz Lamp Flux:80973.9x1 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	436	382	311	247	201	167	145	129	115	99.9	84.6	70.8	57.5	45.2	29.0	15.5	9.39	3.94	
-75	528	460	378	311	266	234	212	195	179	159	138	117	95.8	74.3	46.8	23.0	12.5	3.86	
-70	621	538	446	375	330	301	280	262	242	217	191	164	134	103	64.6	30.4	15.7	3.79	
-65	580	528	469	420	386	361	343	326	306	279	247	212	175	135	87.9	42.4	20.0	3.74	
-60	539	518	492	465	441	422	406	390	369	340	302	261	215	167	111	54.4	24.2	3.70	
-55	591	578	561	542	526	511	495	477	453	421	379	326	265	202	138	68.3	29.1	3.58	
-50	642	638	629	620	610	600	585	564	536	501	456	392	315	238	165	82.3	33.9	3.47	
-45	740	740	739	737	735	730	719	701	672	628	567	481	375	272	185	98.7	35.0	3.34	
-40	838	843	849	855	859	859	853	838	807	756	678	569	435	306	204	115	36.2	3.21	
-35	1026	1040	1059	1078	1097	1113	1122	1119	1090	1020	895	712	509	341	220	127	38.9	3.07	
-30	1213	1238	1268	1301	1334	1366	1391	1400	1374	1285	1111	856	583	376	236	139	41.5	2.93	
-25	1643	1703	1784	1871	1949	2016	2065	2073	2006	1830	1517	1091	673	408	247	144	49.2	2.74	
-20	2072	2169	2301	2442	2563	2665	2739	2746	2638	2375	1923	1327	763	440	257	149	56.9	2.56	
-15	2832	2977	3173	3383	3548	3647	3681	3618	3401	2993	2370	1588	861	468	266	153	62.5	2.53	
-10	3593	3786	4046	4324	4534	4629	4622	4490	4164	3611	2817	1849	958	497	276	157	68.1	2.49	
-5	4101	4310	4596	4909	5142	5229	5193	5016	4618	3971	3071	1993	1004	508	278	158	68.6	2.47	
0	4609	4835	5147	5493	5751	5829	5764	5542	5073	4331	3324	2137	1050	518	280	158	69.1	2.45	
5	4313	4526	4820	5143	5386	5474	5427	5232	4806	4123	3182	2060	1027	513	279	159	68.9	2.58	
10	4017	4217	4492	4792	5022	5118	5091	4922	4540	3914	3040	1984	1004	508	278	159	68.6	2.71	
15	3239	3394	3611	3853	4049	4164	4196	4107	3835	3349	2633	1747	914	482	270	155	67.0	2.69	
20	2462	2571	2730	2913	3077	3210	3301	3291	3130	2783	2226	1510	824	456	262	151	65.4	2.67	
25	1936	2006	2106	2223	2331	2423	2491	2500	2408	2180	1787	1255	731	425	252	146	63.1	2.64	
30	1410	1441	1483	1533	1584	1635	1681	1708	1686	1576	1349	1000	638	394	241	141	60.8	2.62	
35	1177	1196	1221	1251	1281	1310	1334	1343	1319	1236	1073	823	557	359	226	133	56.9	2.60	
40	944	951	959	968	977	984	986	978	953	895	797	647	475	323	211	125	53.1	2.57	
45	824	826	828	830	831	831	825	810	783	735	659	545	412	289	193	115	49.2	2.59	
50	704	701	696	691	686	677	664	643	613	574	521	444	349	255	175	105	45.2	2.61	
55	635	626	614	601	588	576	561	542	517	482	433	370	295	219	152	92.2	39.4	2.63	
60	565	550	531	510	491	475	459	442	420	389	346	296	241	183	129	79.6	33.6	2.66	
65	568	532	491	456	428	407	390	372	350	321	284	243	198	152	108	67.2	27.7	2.71	
70	571	513	451	401	365	340	321	302	280	252	222	190	155	120	86.7	54.8	21.8	2.76	
75	545	491	418	352	307	275	254	236	216	193	169	144	118	91.6	66.4	40.5	15.9	2.81	
80	518	468	385	303	249	211	187	170	153	134	115	97.4	79.8	62.6	46.0	26.2	10.1	2.86	
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: