

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1694.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	71.5V x 71.6H
	At 50% of Imax	31.5V x 33.6H
	At 90% of Imax	8.4V x 14.3H

Beam Flux	Total	996.9 lumens per klm.
	To 10% of Imax	643.2 lumens per klm.
	To 50% of Imax	305.6 lumens per klm.
	To 90% of Imax	37.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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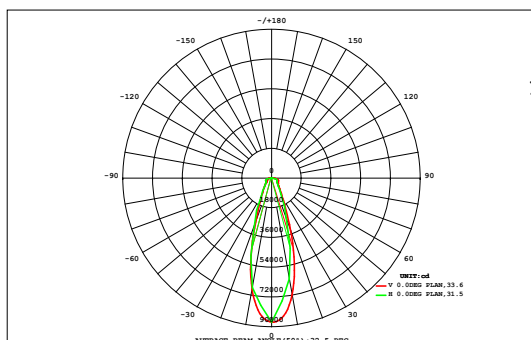
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:29 October 2019

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:220.16V I:1.7958A P:376.85W PF:0.9531 Freq:49.99Hz Lamp Flux:51489.9x1 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:136.63lm/W	
NJZMODEL 400-V01-RZ-30-PC-BL		Imax(cd)	87225
NOMINAL POWER(W)	400	AVAILABILITY(%)	64.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	33076
NOMINAL FLUX(lm)	51489.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	51490
TEST VOLTAGE(V)	220	θ @50% (H,V)	34,31DEG

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	1.36	12.1	28.5	46.6	65.4	82.6	96.6	107	113	112	105	93.3	78.5	61.4	43.4	26.6	11.7	1.49	1086	0.00
70	2.38	15.6	33.9	55.7	77.9	95.3	106	114	122	122	113	103	90.7	73.0	51.6	31.4	14.5	2.41	1225	0.00
60	3.16	18.4	41.2	67.3	87.5	99.4	107	114	121	121	115	107	96.6	82.0	61.7	37.7	17.0	3.03	1299	0.00
50	3.73	20.9	47.6	73.0	85.6	102	126	147	159	160	149	128	103	83.8	67.3	43.2	19.2	3.51	1521	0.00
40	4.19	22.9	51.4	71.5	90.9	127	177	233	271	272	235	180	129	91.4	68.1	46.1	20.8	3.85	2096	538
30	4.50	24.2	52.3	71.2	103	161	268	439	585	588	439	268	163	103	69.7	47.0	21.8	4.11	3412	2440
	4.71	25.2	51.8	73.3	114	200	406	886	1342	1344	883	399	201	115	72.3	46.8	22.2	4.25	6191	5404
	4.78	25.6	51.6	75.0	122	229	530	1403	2256	2258	1391	516	230	122	74.1	46.6	22.5	4.32	9362	8643
	4.78	25.5	51.5	75.2	122	230	534	1417	2280	2284	1381	510	228	122	73.7	46.5	22.4	4.28	9411	8693
	4.63	25.0	51.6	73.5	114	199	403	886	1303	1305	846	385	198	113	71.6	46.2	21.9	4.16	6051	5259
	4.34	24.0	51.6	71.6	102	159	257	381	472	467	362	248	157	101	68.3	45.7	21.0	3.86	2997	1952
-30	3.85	22.6	50.2	70.8	91.0	125	168	206	226	225	205	167	123	88.7	65.7	44.4	19.8	3.39	1904	147
-40	3.21	20.5	46.1	70.2	84.4	101	122	138	146	146	138	121	99.1	79.7	63.5	40.9	18.1	2.76	1441	0.00
-50	2.47	17.8	39.5	64.3	82.2	92.3	102	109	115	115	108	99.1	87.5	75.3	57.8	35.2	15.8	2.10	1220	0.00
-60	1.72	14.5	31.9	52.2	73.4	89.8	97.9	103	110	109	100	93.0	83.2	67.2	47.1	28.4	12.9	1.44	1118	0.00
-70	0.97	9.77	22.9	37.3	52.3	66.4	78.6	87.7	93.0	92.0	85.3	75.2	62.5	48.2	33.9	20.6	8.87	0.82	876	0.00
-80	0.28	2.56	7.44	12.4	17.0	21.5	25.7	28.5	29.0	28.8	27.7	24.3	19.8	15.3	10.8	6.41	2.02	0.15	280	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	55.1	327	711	1061	1485	2181	3605	6801	9743	9748	6683	3515	2150	1442	1000	640	292	49.9	51490	---
Φ a	0.00	0.00	0.00	0.00	0.00	429	2233	5521	8459	8453	5407	2139	434	0.00	0.00	0.00	0.00	0.00	---	33076

one-half-peak spread: U:15.2,D:16.5 , L:17.6,R:16.2

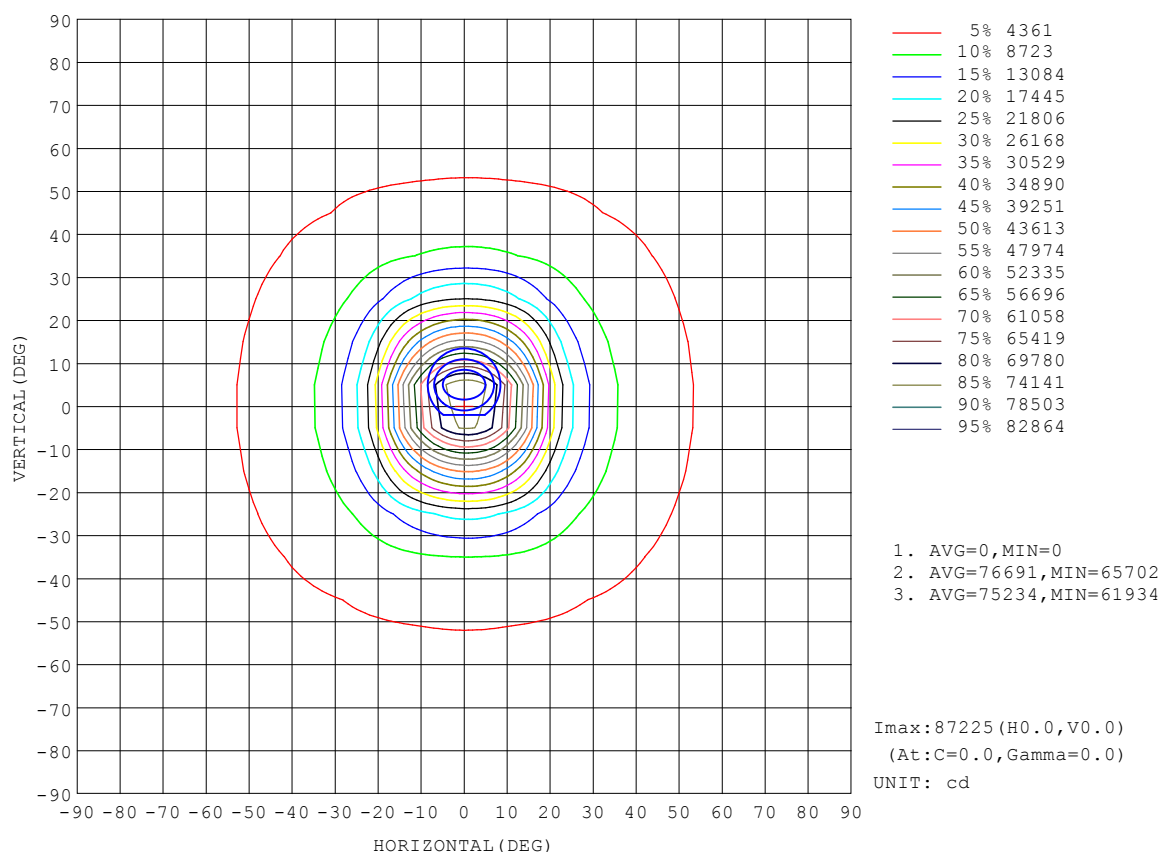
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:29 October 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:220.16V I:1.7958A P:376.85W PF:0.9531 Freq:49.99Hz Lamp Flux:51489.9x1 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

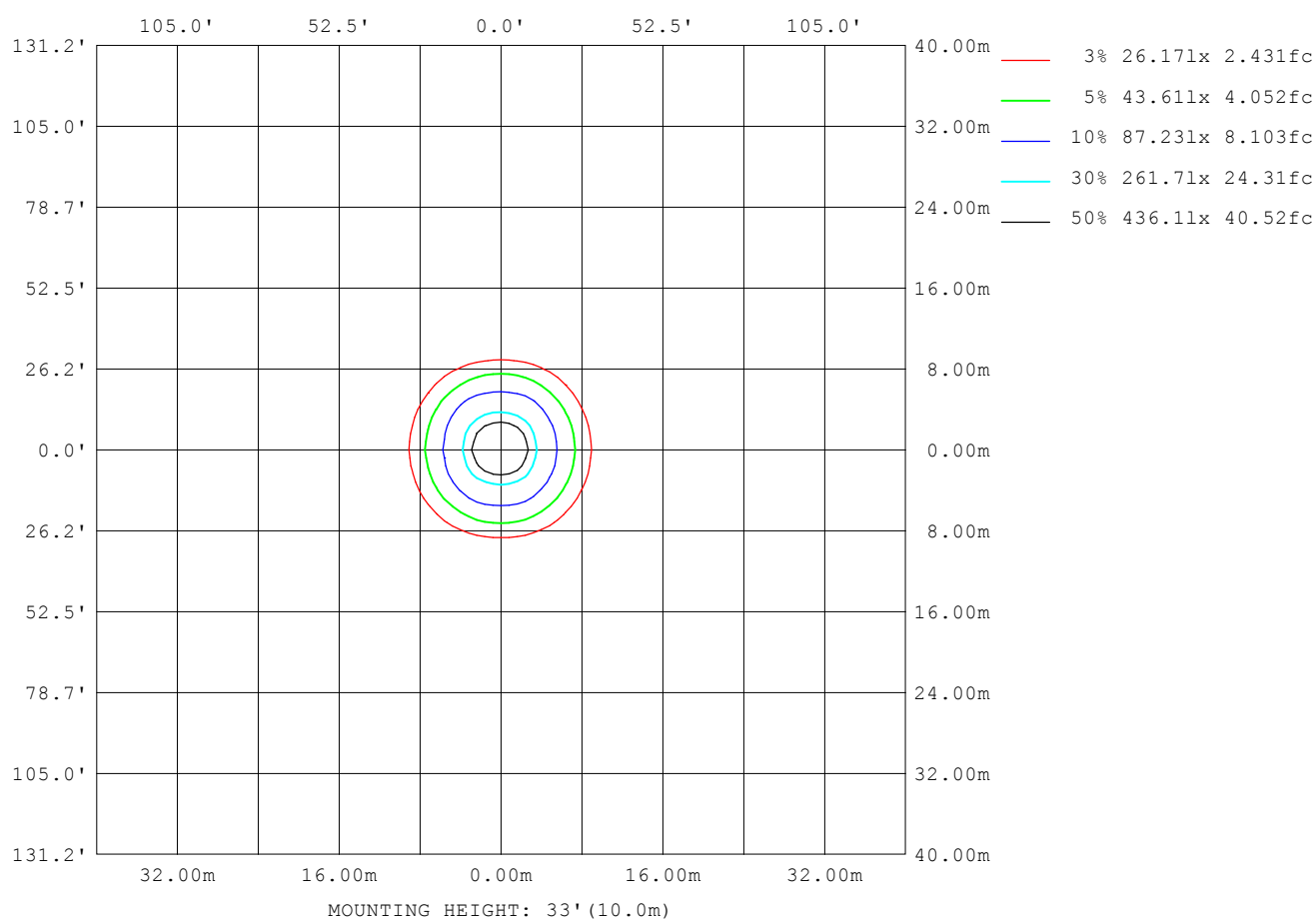


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:29 October 2019

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

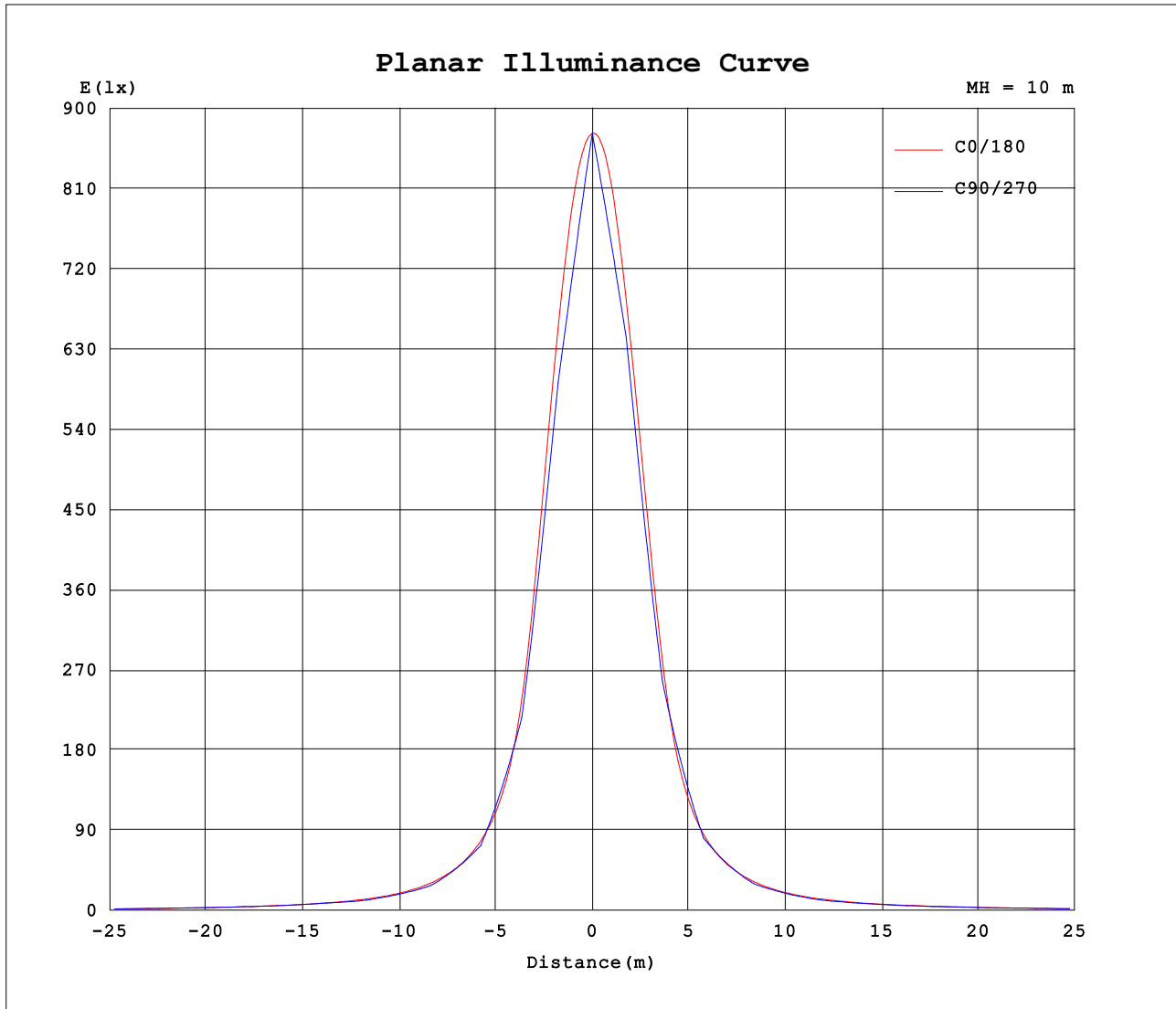
Test:U:220.16V I:1.7958A P:376.85W PF:0.9531 Freq:49.99Hz Lamp Flux:51489.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:29 October 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



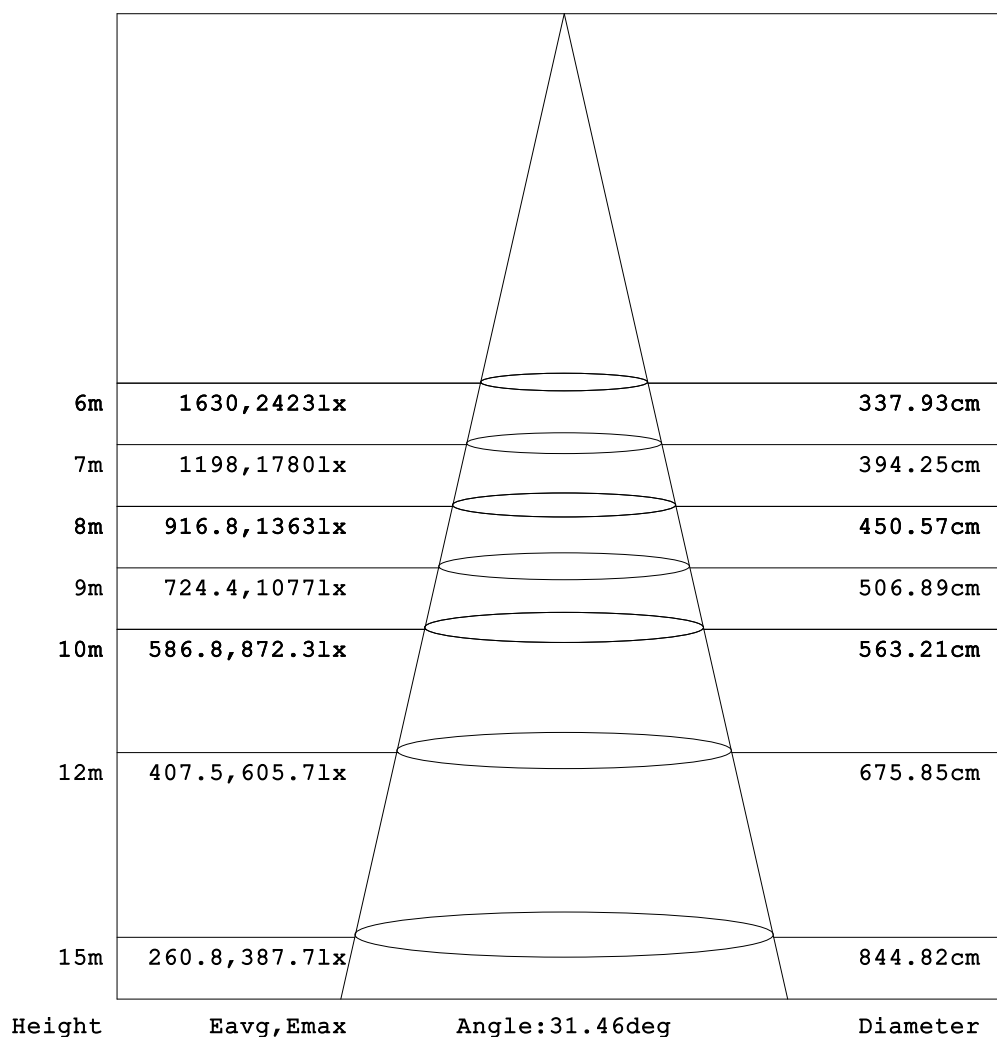
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:29 October 2019

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:220.16V I:1.7958A P:376.85W PF:0.9531 Freq:49.99Hz Lamp Flux:51489.9x1 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:15157 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:29 October 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:220.16V I:1.7958A P:376.85W PF:0.9531 Freq:49.99Hz Lamp Flux:51489.9x1 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	4.93	15.7	40.1	80.7	111	135	151	164	175	185	194	202	209	216	221	225	226	225	224
-75	2.76	16.1	62.0	115	147	172	192	209	224	238	249	259	267	274	280	285	289	292	293
-70	5.46	25.6	107	164	193	218	241	260	278	296	309	320	329	335	341	347	353	361	361
-65	1.62	25.6	112	179	213	243	271	294	314	333	345	352	354	353	353	354	359	368	371
-60	5.44	49.4	155	208	245	279	312	336	358	376	383	385	379	371	364	363	368	378	380
-55	0.66	40.7	154	217	260	300	336	363	378	383	380	379	381	382	383	386	391	398	401
-50	5.26	73.7	189	243	291	336	373	397	402	390	375	375	383	393	403	411	416	420	421
-45	0.00	60.5	187	248	301	351	387	403	399	395	396	408	428	451	474	493	507	517	521
-40	5.70	102	215	275	333	383	412	411	394	399	419	448	482	519	553	582	603	616	621
-35	0.00	83.7	210	273	334	387	412	408	403	417	449	495	552	618	689	758	816	856	874
-30	6.27	133	231	296	359	406	414	401	413	446	496	563	646	744	853	959	1048	1107	1127
-25	0.00	111	224	291	355	403	412	404	422	463	527	618	740	907	1128	1387	1624	1795	1870
-20	6.66	155	245	312	374	410	406	411	444	502	590	716	892	1150	1503	1917	2280	2529	2616
-15	0.00	129	233	303	367	405	407	412	447	510	609	752	971	1324	1918	2806	3611	4166	4405
-10	7.83	161	251	321	380	406	405	424	470	552	674	862	1164	1689	2652	4053	5206	5954	6203
-5	0.00	134	238	310	373	403	405	421	464	543	666	854	1157	1690	2718	4373	5924	7026	7460
0	12.2	163	255	327	384	405	406	430	483	575	719	944	1316	2000	3373	5372	7169	8385	8723
5	0.00	135	239	311	374	404	405	421	465	544	670	862	1173	1723	2792	4510	6142	7297	7729
10	11.9	162	253	324	383	407	405	425	472	556	684	880	1200	1768	2822	4356	5671	6504	6730
15	0.00	132	235	306	370	406	406	413	449	514	618	771	1006	1396	2069	3076	4024	4673	4916
20	11.5	158	247	315	377	412	405	412	447	508	603	739	937	1239	1679	2210	2692	3008	3096
25	0.00	125	226	294	358	407	413	405	425	468	537	636	773	968	1238	1566	1874	2091	2175
30	10.1	147	234	299	363	413	416	401	416	451	506	581	676	792	923	1053	1161	1231	1252
35	0.00	112	213	277	339	395	419	409	404	422	458	508	573	650	736	820	891	939	959
40	10.4	133	218	279	340	394	422	412	396	405	427	460	499	542	583	618	644	660	665
45	0.00	95.2	194	253	310	363	402	414	407	399	401	417	441	468	495	518	535	546	551
50	7.37	111	196	250	302	351	391	415	413	392	379	383	393	405	417	426	432	436	438
55	0.00	73.7	170	224	270	314	353	382	397	397	393	391	390	390	392	396	401	407	410
60	6.03	85.2	169	217	256	294	329	358	382	399	405	398	388	376	369	368	372	380	382
65	0.32	49.1	136	188	225	257	288	315	337	357	370	373	374	371	370	372	377	386	389
70	5.38	51.1	129	175	206	234	259	281	302	322	337	349	359	364	371	378	385	395	396
75	1.52	25.7	83.6	133	165	190	212	230	248	264	277	288	297	304	310	316	320	325	327
80	3.83	19.4	60.0	105	134	156	173	187	201	212	222	231	238	245	252	256	258	257	256
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:29 October 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:220.16V I:1.7958A P:376.85W PF:0.9531 Freq:49.99Hz Lamp Flux:51489.9x1 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	224	223	219	212	205	197	187	178	168	158	147	134	120	99.2	70.1	34.0	13.2	2.90	
-75	290	286	279	271	264	255	245	234	221	208	193	177	160	139	113	66.4	20.1	5.03	
-70	356	346	336	327	319	309	298	285	269	251	233	213	192	169	141	78.4	19.4	1.67	
-65	366	356	346	341	337	334	329	320	308	290	269	248	222	196	167	113	34.0	5.56	
-60	373	361	354	353	354	357	356	351	341	320	298	273	243	212	178	116	28.7	0.71	
-55	398	390	383	378	372	367	361	355	352	344	329	306	274	239	201	150	53.9	5.70	
-50	420	416	410	400	388	375	363	357	361	363	352	328	292	251	208	150	44.4	0.04	
-45	519	512	499	479	455	429	405	385	374	369	364	350	319	276	229	178	75.6	5.70	
-40	616	603	581	549	512	474	438	407	384	373	373	363	330	282	230	177	60.5	0.00	
-35	864	830	775	707	634	565	504	453	415	389	377	371	348	302	250	197	103	5.88	
-30	1103	1038	944	835	728	631	548	482	432	398	379	374	352	302	249	193	84.6	0.00	
-25	1829	1667	1420	1159	938	768	638	542	470	421	391	377	360	318	266	211	129	6.29	
-20	2509	2206	1789	1386	1073	848	686	569	484	428	394	377	356	313	262	204	112	0.00	
-15	4281	3771	2928	2000	1384	1025	792	635	525	453	408	384	363	327	278	221	142	8.98	
-10	5912	5044	3680	2310	1520	1094	826	651	532	455	410	384	357	323	273	212	122	0.00	
-5	7204	6223	4629	2871	1778	1226	904	698	563	474	420	390	363	332	285	226	146	11.0	
0	8223	6846	4847	2866	1756	1203	884	683	551	466	416	387	357	325	275	214	123	0.00	
5	7430	6400	4771	2948	1805	1238	910	702	565	475	422	391	364	333	286	228	147	10.7	
10	6343	5382	3949	2435	1565	1114	837	657	536	459	412	386	359	325	275	215	124	0.00	
15	4731	4135	3198	2145	1442	1052	807	644	532	458	413	388	367	332	283	225	145	10.1	
20	2944	2560	2019	1502	1126	874	702	580	492	435	400	383	362	321	269	209	118	0.00	
25	2112	1906	1590	1257	990	797	657	555	480	429	398	385	369	328	275	218	139	10.4	
30	1221	1140	1024	892	765	656	567	496	443	408	388	384	363	315	260	202	112	0.00	
35	946	903	835	752	667	589	523	468	427	400	389	384	362	317	263	207	129	9.66	
40	659	642	615	578	536	494	455	422	398	386	388	379	346	297	244	188	99.5	0.00	
45	549	541	525	503	476	448	422	401	390	386	383	370	337	292	242	191	116	7.62	
50	437	434	428	418	405	392	380	374	379	385	377	350	312	267	221	171	85.2	0.00	
55	408	403	398	394	389	385	382	378	376	369	354	330	295	256	215	170	96.6	6.68	
60	378	371	367	368	371	377	382	380	371	348	324	296	262	228	192	147	64.0	0.54	
65	386	376	368	365	362	360	358	350	338	317	295	271	242	213	181	142	69.8	5.74	
70	390	378	368	361	351	342	331	316	298	277	257	235	211	186	157	115	36.1	1.72	
75	324	317	310	303	295	286	276	264	250	234	217	199	180	158	132	93.5	37.4	4.88	
80	255	253	249	242	234	225	216	207	195	184	171	157	141	121	95.1	50.5	16.4	2.89	
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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:29 October 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: