

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	543.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	132.9V x 128.2H
	At 50% of Imax	86.1V x 79.9H
	At 90% of Imax	48.3V x 46.1H

Beam Flux	Total	998.3 lumens per klm.
	To 10% of Imax	933.1 lumens per klm.
	To 50% of Imax	677.8 lumens per klm.
	To 90% of Imax	274.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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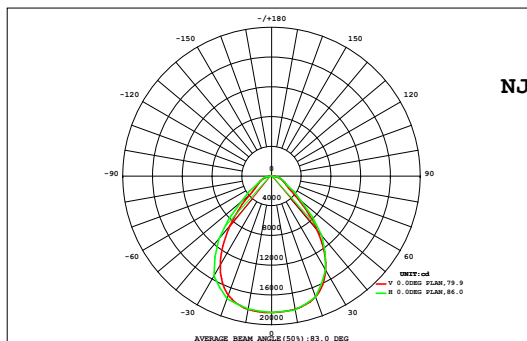
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 October 2019

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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:220.07V I:1.0536A P:229.46W PF:0.9896 Freq:49.99Hz Lamp Flux:33791.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:147.27lm/W	
NJZ-LED240-V01-RZ-90-PC-U-GR		Imax(cd)	18348
NOMINAL POWER(W)	240	AVAILABILITY(%)	93.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	31502
NOMINAL FLUX(lm)	33791.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	33791
TEST VOLTAGE(V)	220	θ @50% (H,V)	80,86DEG

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	0.18	1.96	5.92	11.4	18.1	24.7	30.7	34.9	37.3	37.3	34.9	30.6	24.3	17.4	10.8	5.17	1.44	0.09	327	0.00
70	0.34	3.36	10.0	18.6	27.8	37.4	46.4	52.9	56.2	56.3	53.0	46.6	37.3	27.4	18.0	9.38	2.92	0.21	504	155
60	0.50	4.79	13.9	25.4	38.6	53.7	72.1	92.2	106	106	92.8	72.8	54.0	38.6	25.2	13.5	4.48	0.36	814	675
50	0.64	5.95	16.9	31.2	49.7	82.7	137	197	233	233	195	137	83.2	50.1	31.1	16.6	5.67	0.50	1505	1422
40	0.76	6.90	19.4	36.4	67.5	145	258	355	403	401	349	253	143	67.8	36.4	19.1	6.57	0.62	2569	2508
30	0.85	7.61	21.3	41.5	97.4	223	365	464	507	505	457	356	217	95.6	41.6	21.0	7.23	0.71	3429	3379
	0.92	8.11	22.7	46.7	128	278	423	511	545	543	505	413	268	123	46.4	22.2	7.62	0.76	3891	3849
	0.94	8.33	23.3	50.0	143	299	441	523	553	554	522	435	292	138	49.4	22.9	7.81	0.79	4062	4022
	0.94	8.32	23.2	49.7	139	293	434	519	553	555	521	431	286	134	48.5	22.7	7.71	0.78	4027	3985
	0.89	8.04	22.4	45.8	120	261	403	496	539	540	498	401	256	115	45.0	21.9	7.45	0.75	3780	3736
	0.83	7.61	21.2	41.3	92.5	207	339	436	484	485	438	336	200	87.8	40.4	20.6	6.97	0.68	3247	3197
-30	0.72	6.94	19.4	36.4	65.6	137	240	330	378	379	331	237	133	63.2	36.0	18.8	6.36	0.59	2418	2358
-40	0.61	6.11	17.2	31.9	50.6	83.7	140	200	237	236	197	136	79.9	49.4	31.4	16.6	5.54	0.47	1520	1441
-50	0.45	4.91	14.1	26.2	39.9	53.4	68.4	87.3	101	100	85.4	66.8	52.6	39.4	25.7	13.7	4.43	0.33	784	647
-60	0.30	3.47	10.2	19.3	29.2	39.4	47.8	52.2	53.6	53.6	52.1	47.6	38.9	28.7	18.8	9.78	3.00	0.19	508	127
-70	0.18	1.87	5.72	11.3	17.4	24.2	30.2	34.2	36.5	36.4	34.1	29.8	23.5	16.9	10.7	5.22	1.46	0.08	320	0.00
-80	0.06	0.43	1.35	2.77	4.71	6.62	8.17	9.48	10.5	10.3	9.17	7.83	6.09	4.12	2.20	0.87	0.17	0.01	84.8	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	10.1	94.7	268	526	1129	2248	3485	4394	4833	4829	4374	3437	2194	1097	518	260	86.8	7.92	33791	---
Φ a	0.00	0.00	55.4	370	993	2118	3353	4259	4695	4692	4237	3301	2061	960	361	47.9	0.00	0.00	---	31502

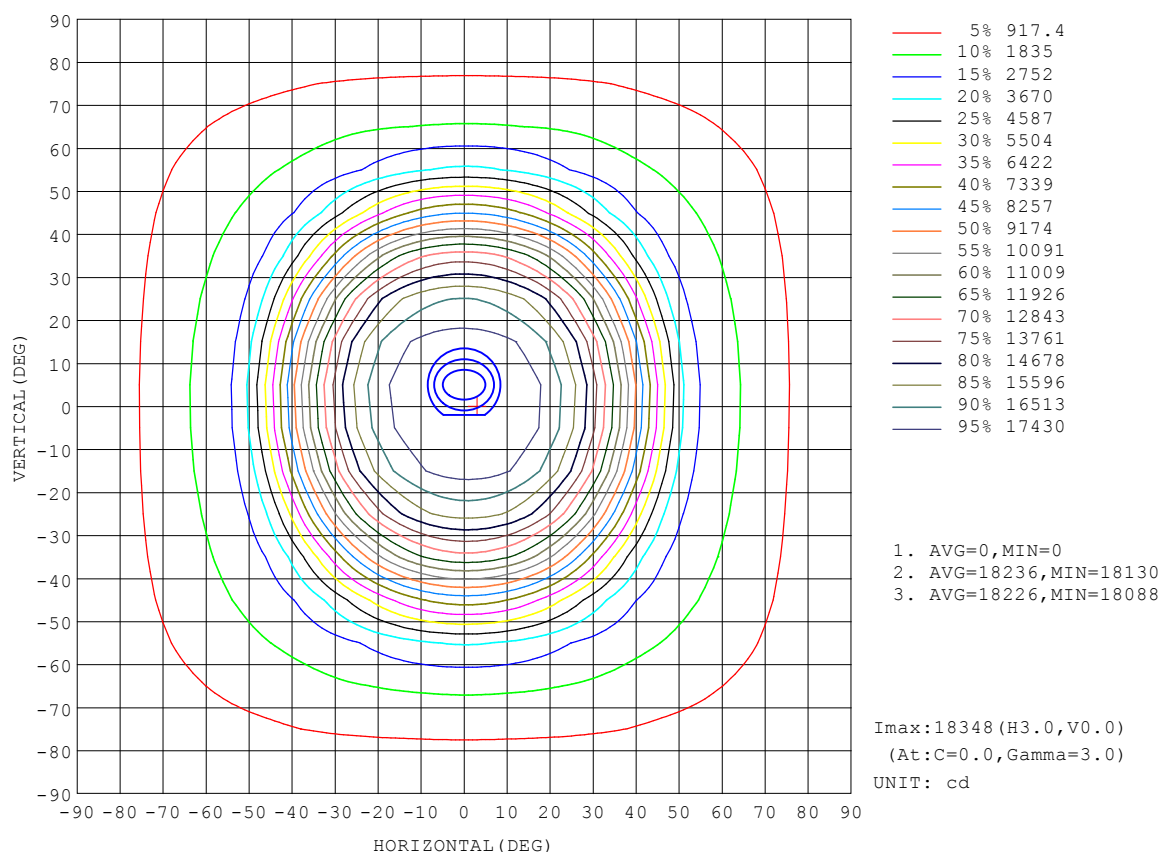
one-half-peak spread: U:42.8,D:43.6 , L:43.9,R:36.6 Beam Type: Type 6 x 7 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 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:220.07V I:1.0536A P:229.46W PF:0.9896 Freq:49.99Hz Lamp Flux:33791.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

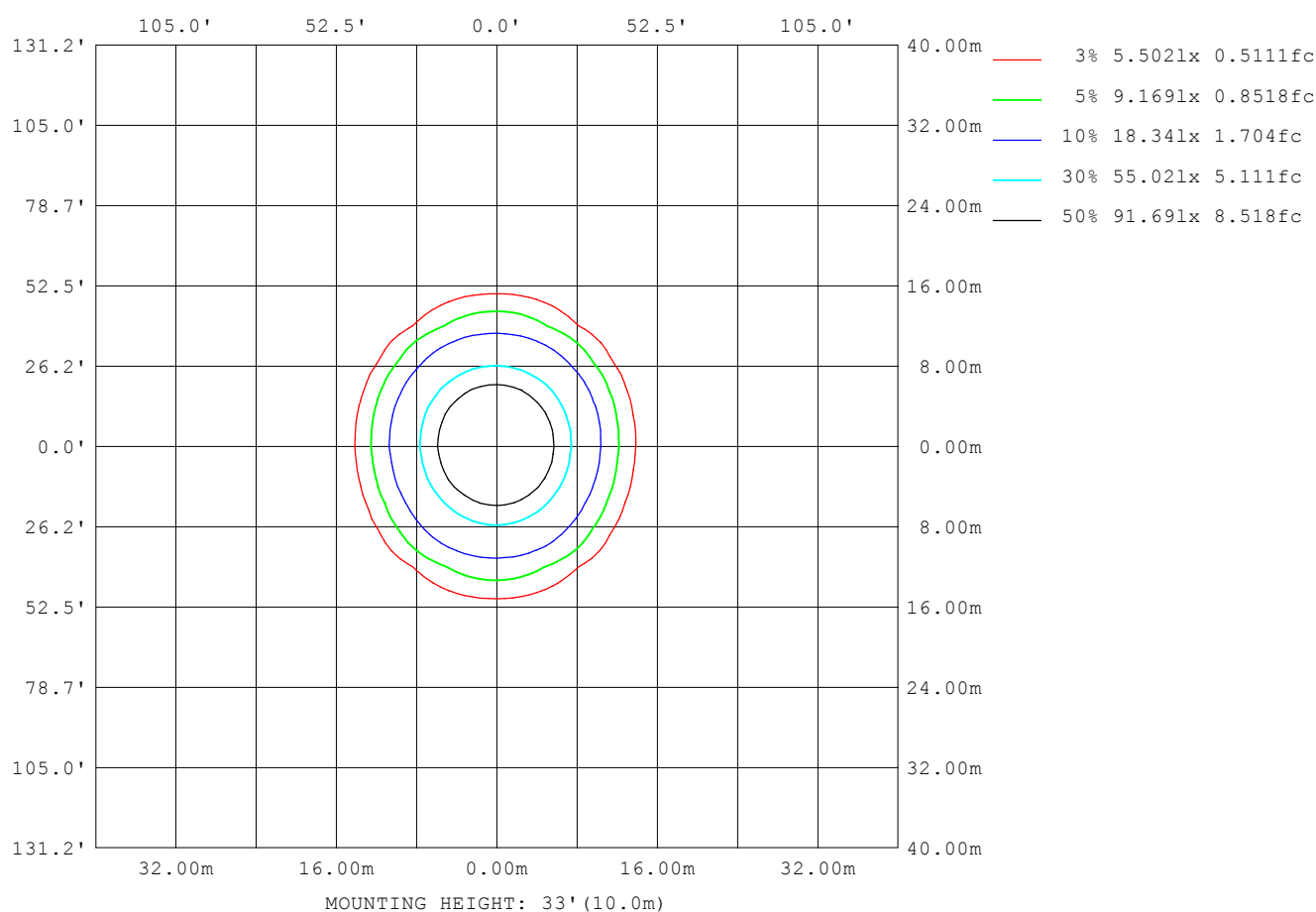


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 October 2019

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

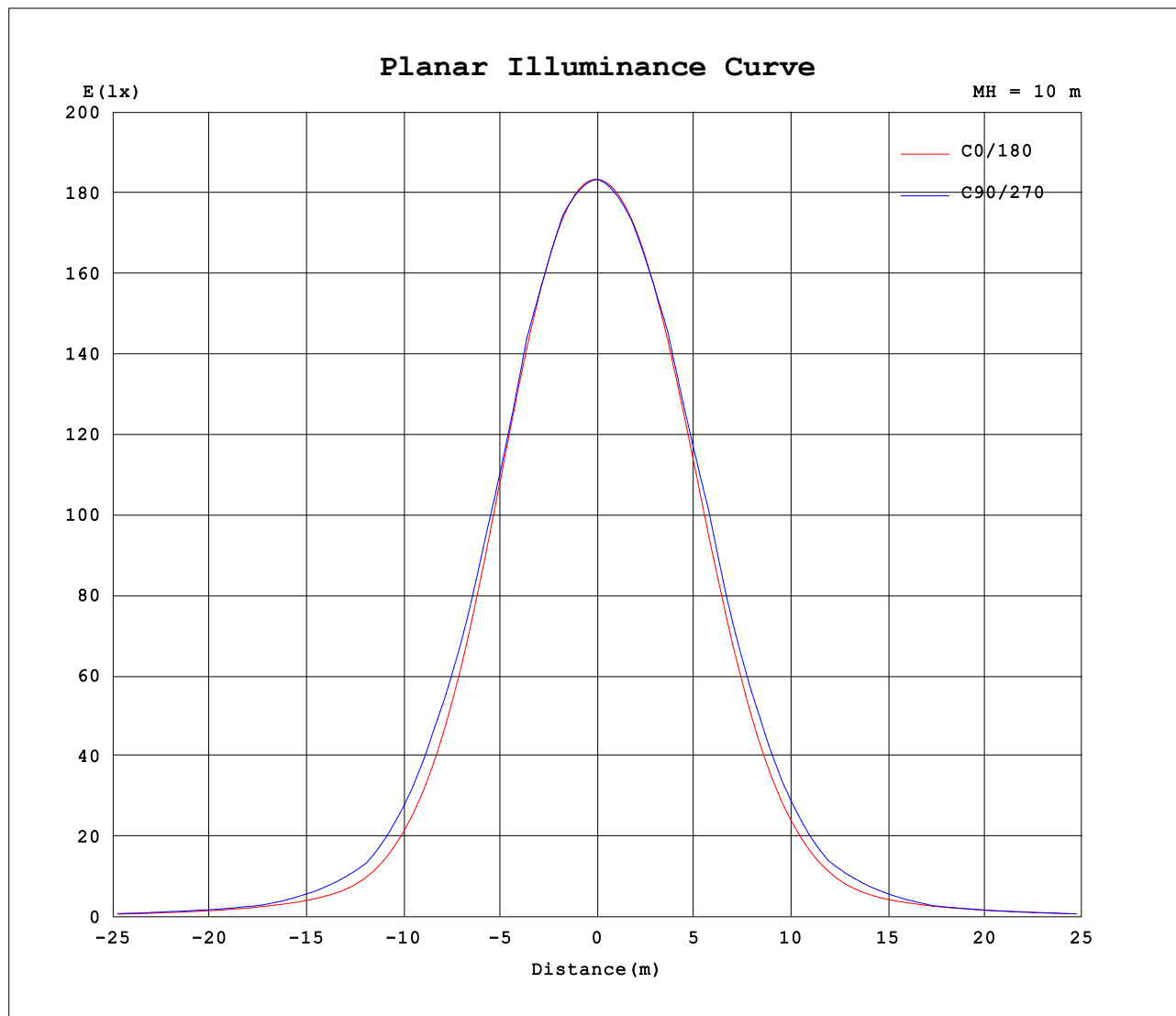
Test:U:220.07V I:1.0536A P:229.46W PF:0.9896 Freq:49.99Hz Lamp Flux:33791.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 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



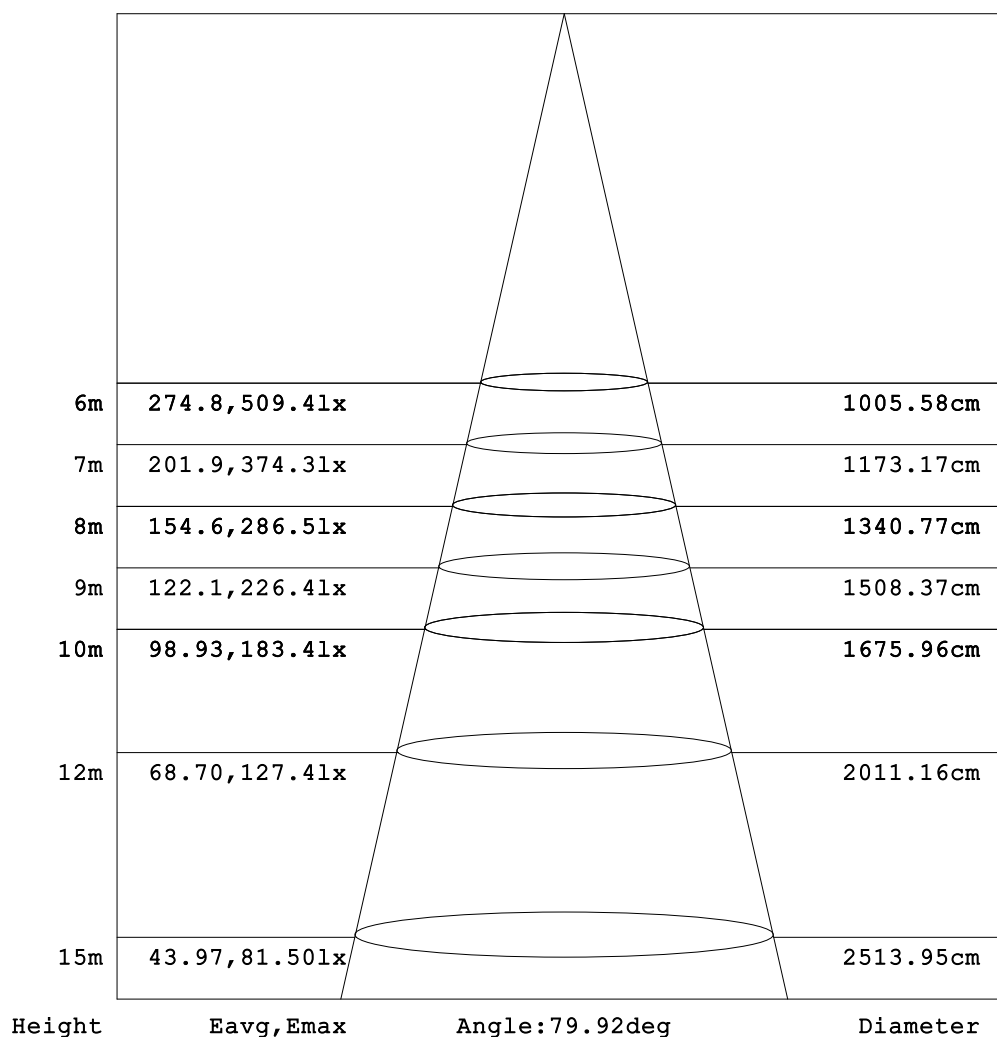
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:19 October 2019

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:220.07V I:1.0536A P:229.46W PF:0.9896 Freq:49.99Hz Lamp Flux:33791.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:21883 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:19 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:220.07V I:1.0536A P:229.46W PF:0.9896 Freq:49.99Hz Lamp Flux:33791.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	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	2.85	3.81	7.72	14.1	20.7	28.0	35.2	41.7	49.3	55.9	62.0	67.5	72.3	76.0	79.0	82.0	84.9	87.0	87.4
-75	2.19	4.04	10.3	21.3	32.1	42.8	53.0	63.1	72.1	80.2	88.4	96.4	104	109	114	117	120	122	123
-70	2.89	5.48	17.2	32.8	48.0	61.6	74.8	88.2	98.1	108	118	128	137	145	150	153	156	157	158
-65	2.17	5.43	19.2	39.2	58.4	76.0	91.8	107	121	133	145	157	169	178	186	192	196	198	200
-60	2.94	8.77	29.4	53.5	76.3	96.7	115	132	148	163	177	191	204	216	225	232	237	240	241
-55	2.17	7.79	29.1	56.1	82.7	106	127	147	165	183	202	222	244	271	300	328	352	368	374
-50	2.99	12.5	39.7	70.0	98.6	123	146	168	189	211	234	261	294	337	387	435	475	500	507
-45	2.19	10.7	38.0	70.0	102	128	154	178	203	231	271	331	409	498	586	665	726	765	780
-40	3.07	17.0	48.2	84.0	116	144	172	198	227	265	328	430	559	695	820	923	997	1040	1052
-35	2.23	13.4	44.4	80.4	116	146	175	203	238	292	388	528	689	850	992	1106	1186	1235	1253
-30	3.15	20.8	53.3	92.8	128	159	189	221	265	349	499	687	884	1066	1215	1326	1400	1442	1454
-25	2.28	16.7	49.0	88.2	126	159	191	226	280	392	572	788	1005	1198	1348	1459	1534	1577	1594
-20	3.26	24.9	58.0	101	138	172	205	247	328	498	729	977	1207	1396	1532	1628	1689	1723	1733
-15	2.34	19.4	52.2	93.6	134	168	203	246	330	511	753	1010	1248	1443	1580	1675	1734	1767	1780
-10	3.32	26.2	60.0	105	144	179	215	267	390	615	879	1143	1374	1552	1673	1750	1796	1820	1828
-5	2.37	20.5	53.8	96.6	138	174	210	259	374	596	865	1136	1373	1557	1681	1758	1801	1822	1830
0	3.39	27.2	61.0	108	147	183	221	281	433	682	962	1231	1454	1621	1727	1787	1817	1830	1834
5	2.34	20.8	54.1	96.9	139	175	211	262	384	615	888	1161	1398	1581	1701	1771	1805	1819	1824
10	3.52	26.8	60.0	106	145	180	218	274	414	654	926	1193	1424	1599	1710	1772	1801	1812	1814
15	2.35	20.2	52.6	93.9	136	170	205	250	349	551	808	1072	1312	1503	1637	1718	1761	1779	1784
20	3.49	25.8	57.7	102	140	173	208	252	349	546	796	1052	1286	1470	1603	1686	1731	1751	1753
25	2.47	18.8	49.6	87.7	128	160	192	229	291	428	634	866	1094	1291	1445	1549	1612	1645	1654
30	3.36	23.2	53.3	93.0	129	160	190	224	274	383	562	774	988	1181	1335	1443	1511	1546	1552
35	2.61	16.8	44.6	78.8	117	146	175	203	239	304	421	578	756	929	1079	1195	1273	1317	1330
40	3.24	20.3	47.5	82.1	116	143	170	195	224	264	337	453	595	742	876	984	1058	1098	1107
45	2.74	14.1	37.9	67.9	102	127	152	175	199	227	271	338	425	522	619	704	768	806	820
50	3.09	16.3	39.0	68.2	98.1	122	144	164	184	204	228	255	293	342	398	452	497	525	532
55	2.90	10.9	29.7	54.6	82.2	104	124	143	160	177	195	214	238	267	300	331	358	375	382
60	2.91	12.2	29.4	52.4	76.0	95.3	113	129	143	157	169	182	194	205	215	222	227	231	232
65	3.07	6.80	20.8	38.8	58.7	75.8	90.7	105	117	128	139	149	160	169	176	181	185	188	189
70	2.72	6.90	18.6	33.3	48.9	62.4	74.3	86.2	95.8	104	112	121	129	135	140	143	144	146	146
75	3.20	2.94	11.7	21.8	32.5	42.8	51.9	60.8	69.4	76.8	83.6	90.4	96.5	102	106	109	111	112	113
80	2.59	1.83	8.66	14.6	20.4	27.0	33.0	38.9	46.3	52.6	57.6	62.4	66.7	70.2	72.9	75.2	77.3	78.7	78.9
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:19 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:220.07V I:1.0536A P:229.46W PF:0.9896 Freq:49.99Hz Lamp Flux:33791.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	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	86.0	83.5	80.7	77.8	74.4	69.8	64.6	58.6	52.2	44.4	37.3	30.3	22.4	15.3	8.88	3.10	0.97	0.46	
-75	122	120	117	114	109	103	95.9	87.8	79.7	71.5	62.4	51.6	41.6	30.3	18.9	8.57	1.97	0.54	
-70	157	155	153	149	142	134	124	114	104	95.0	83.4	68.8	56.6	40.7	24.6	10.4	1.86	0.46	
-65	199	197	193	187	180	170	158	146	134	122	108	92.1	76.5	58.1	37.5	18.4	4.23	0.55	
-60	240	237	231	224	214	201	187	173	159	143	127	109	89.9	67.5	42.4	19.3	3.47	0.46	
-55	370	355	332	304	274	248	225	205	186	167	148	128	107	83.5	55.3	28.9	7.42	0.56	
-50	495	465	421	372	324	285	254	228	205	183	162	139	115	89.1	56.9	28.6	5.77	0.46	
-45	769	733	674	597	508	419	339	277	236	206	181	156	130	103	69.1	37.9	10.8	0.58	
-40	1033	982	899	787	655	519	396	305	253	219	190	163	134	105	67.4	35.7	8.27	0.47	
-35	1241	1201	1125	1015	872	710	547	403	301	244	208	177	148	117	79.4	44.6	14.5	0.61	
-30	1438	1396	1313	1190	1026	835	636	453	320	253	213	180	149	117	74.9	41.2	10.8	0.47	
-25	1584	1550	1482	1374	1222	1028	812	596	410	290	232	195	161	128	87.3	49.4	17.8	0.64	
-20	1721	1684	1614	1505	1345	1137	900	657	439	297	235	195	160	126	80.2	45.0	12.8	0.49	
-15	1775	1749	1694	1603	1463	1272	1037	782	538	348	255	209	171	136	93.9	52.7	19.8	0.66	
-10	1822	1796	1743	1653	1511	1319	1073	806	547	346	253	206	168	132	85.1	47.9	14.4	0.51	
-5	1829	1814	1774	1698	1574	1394	1159	893	625	396	271	217	177	141	98.2	54.4	20.9	0.68	
0	1834	1820	1780	1703	1573	1384	1142	870	602	376	262	210	171	134	87.1	48.6	14.7	0.54	
5	1823	1812	1777	1707	1588	1412	1180	912	643	407	274	218	178	141	99.4	54.7	21.1	0.71	
10	1811	1794	1752	1672	1541	1357	1115	845	580	364	257	209	170	134	87.6	48.5	14.8	0.57	
15	1778	1758	1713	1632	1502	1319	1088	829	576	368	260	211	173	138	97.0	53.5	20.4	0.72	
20	1741	1708	1647	1549	1399	1198	960	709	477	312	239	198	162	128	83.5	45.9	13.5	0.61	
25	1642	1606	1542	1443	1295	1102	881	651	446	304	236	197	163	130	91.2	50.4	18.6	0.72	
30	1532	1482	1405	1286	1121	922	710	506	346	259	216	183	151	119	78.4	42.1	12.1	0.63	
35	1315	1270	1195	1086	940	770	595	436	317	247	209	178	149	119	82.5	45.3	15.9	0.72	
40	1086	1033	949	833	694	548	413	312	253	217	189	162	135	106	69.6	35.9	9.57	0.66	
45	808	770	709	626	531	434	347	278	233	203	178	154	129	103	70.9	38.1	12.3	0.72	
50	519	486	438	383	328	283	249	223	200	179	159	137	114	89.1	58.1	28.7	6.61	0.68	
55	377	361	336	304	272	243	218	198	180	162	144	125	105	82.7	55.9	28.8	8.34	0.72	
60	230	226	221	213	204	192	179	166	152	138	123	106	87.8	66.6	42.2	19.5	3.62	0.70	
65	188	186	182	177	170	161	151	139	128	117	104	88.8	74.0	56.1	36.7	18.2	4.35	0.73	
70	146	144	142	139	134	127	118	109	99.3	90.5	79.4	65.4	53.9	38.3	23.3	10.4	1.49	0.71	
75	112	111	109	106	102	96.9	90.3	82.9	75.4	67.7	58.9	48.7	39.2	28.2	17.4	8.04	1.72	0.73	
80	78.3	76.8	74.7	72.0	68.8	64.7	59.7	54.2	48.5	41.6	34.4	28.1	20.5	13.7	7.59	2.46	0.81	0.73	
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:19 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: