

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1654.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	73.0V x 69.5H
	At 50% of Imax	33.0V x 33.3H
	At 90% of Imax	11.6V x 14.3H

Beam Flux	Total	996.2 lumens per klm.
	To 10% of Imax	641.4 lumens per klm.
	To 50% of Imax	317.4 lumens per klm.
	To 90% of Imax	49.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.6 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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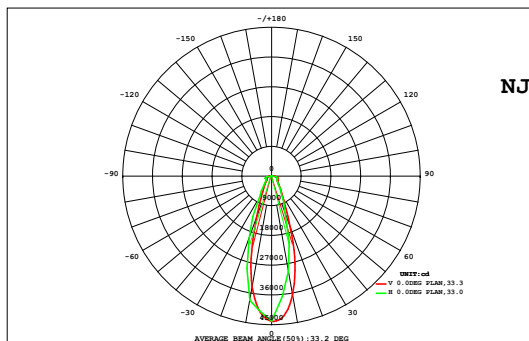
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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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:220.13V I:0.8739A P:188.70W PF:0.9809 Freq:49.99Hz Lamp Flux:26576.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:140.84lm/W	
NJZ-LED200-V01-RZ-30-PC-U-GR		Imax(cd)	43964
NOMINAL POWER(W)	200	AVAILABILITY(%)	63.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	16926
NOMINAL FLUX(lm)	26576.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	26576
TEST VOLTAGE(V)	220	θ @50%(H,V)	33,33DEG

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	1.30	8.33	17.0	27.0	38.4	48.1	56.0	61.8	65.8	65.3	60.5	53.7	45.2	35.1	24.5	14.8	6.20	0.49	629	0.00
70	1.71	8.72	18.7	30.4	41.7	49.5	55.2	60.0	64.8	64.8	59.6	54.3	48.4	39.6	27.9	16.8	7.65	1.11	651	0.00
60	2.03	10.0	22.0	35.0	43.5	48.2	53.2	58.2	61.4	61.3	58.1	53.2	48.7	42.8	32.8	20.0	8.90	1.45	661	0.00
50	2.27	11.1	24.6	35.7	41.9	53.1	67.1	79.6	86.2	85.6	78.3	65.7	52.0	42.0	35.1	22.8	10.0	1.71	795	0.00
40	2.45	11.9	25.7	34.3	46.4	66.4	95.8	131	154	151	125	91.3	64.0	45.5	34.6	24.2	10.8	1.89	1117	339
30	2.56	12.5	25.4	35.1	52.0	84.0	148	269	365	354	244	134	79.0	50.3	34.9	24.5	11.3	2.03	1928	1452
20	2.64	12.8	25.1	36.4	57.6	104	224	545	822	794	476	192	94.9	54.8	35.8	24.2	11.6	2.09	3514	3116
10	2.66	12.9	24.9	37.1	60.9	116	281	784	1229	1191	681	234	105	57.5	36.5	24.0	11.7	2.13	4892	4522
0	2.64	12.9	24.9	37.0	60.3	114	270	727	1131	1099	625	221	102	56.8	36.3	23.9	11.6	2.09	4557	4183
-10	2.55	12.6	25.0	36.0	56.1	97.4	196	426	611	596	365	167	89.5	53.4	35.4	23.8	11.3	2.03	2806	2390
-20	2.39	12.2	25.3	34.8	50.7	78.7	125	180	219	212	165	114	73.7	48.7	34.4	23.6	10.8	1.88	1413	844
-30	2.16	11.6	25.0	34.1	45.5	63.2	85.8	107	118	117	104	82.6	60.8	44.3	33.8	23.1	10.2	1.67	970	80.4
-40	1.87	10.7	23.5	34.2	41.3	51.5	62.8	71.3	75.2	75.0	70.6	61.5	50.3	40.7	33.2	21.4	9.38	1.36	736	0.00
-50	1.53	9.55	20.7	33.0	40.2	45.6	51.3	56.1	58.9	58.8	55.7	50.8	45.0	39.2	30.7	18.7	8.33	1.04	625	0.00
-60	1.20	8.27	17.5	28.2	39.1	45.2	48.8	53.0	57.6	56.7	52.0	47.9	43.8	36.3	25.7	15.5	7.05	0.71	584	0.00
-70	0.86	6.70	13.9	22.0	30.8	39.0	45.3	50.5	55.3	54.1	48.7	43.1	36.4	28.1	19.7	12.1	5.32	0.39	512	0.00
-80	0.31	2.63	5.44	8.37	11.4	14.2	16.8	18.7	19.2	19.1	18.1	15.8	13.0	10.1	7.19	4.44	1.76	0.06	187	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	33.1	175	365	539	758	1117	1883	3677	5193	5055	3287	1683	1052	725	519	338	154	24.1	26576	---
Φ a	0.00	0.00	0.00	0.00	0.00	214	1176	3010	4488	4356	2617	944	120	0.00	0.00	0.00	0.00	0.00	---	16926

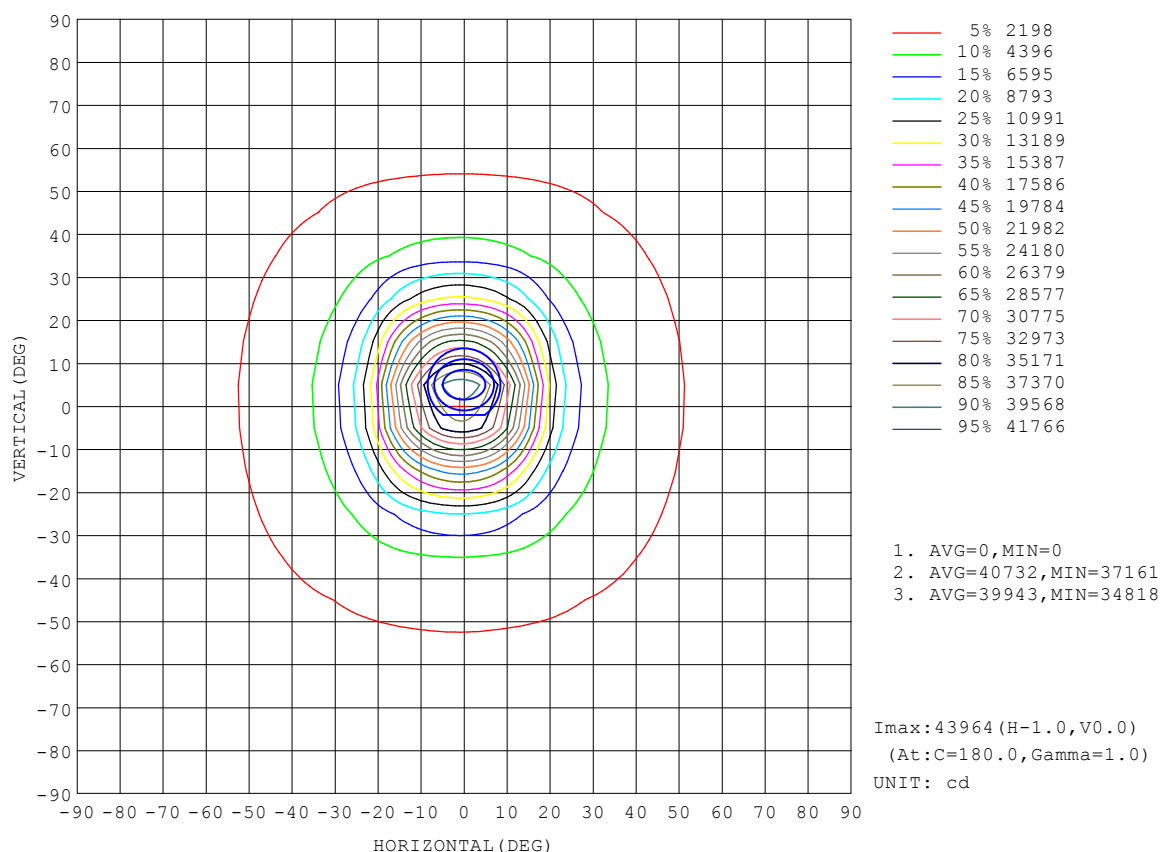
one-half-peak spread: U:14.4,D:18.8 , L:16.7,R:16.7 Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 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:220.13V I:0.8739A P:188.70W PF:0.9809 Freq:49.99Hz Lamp Flux:26576.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

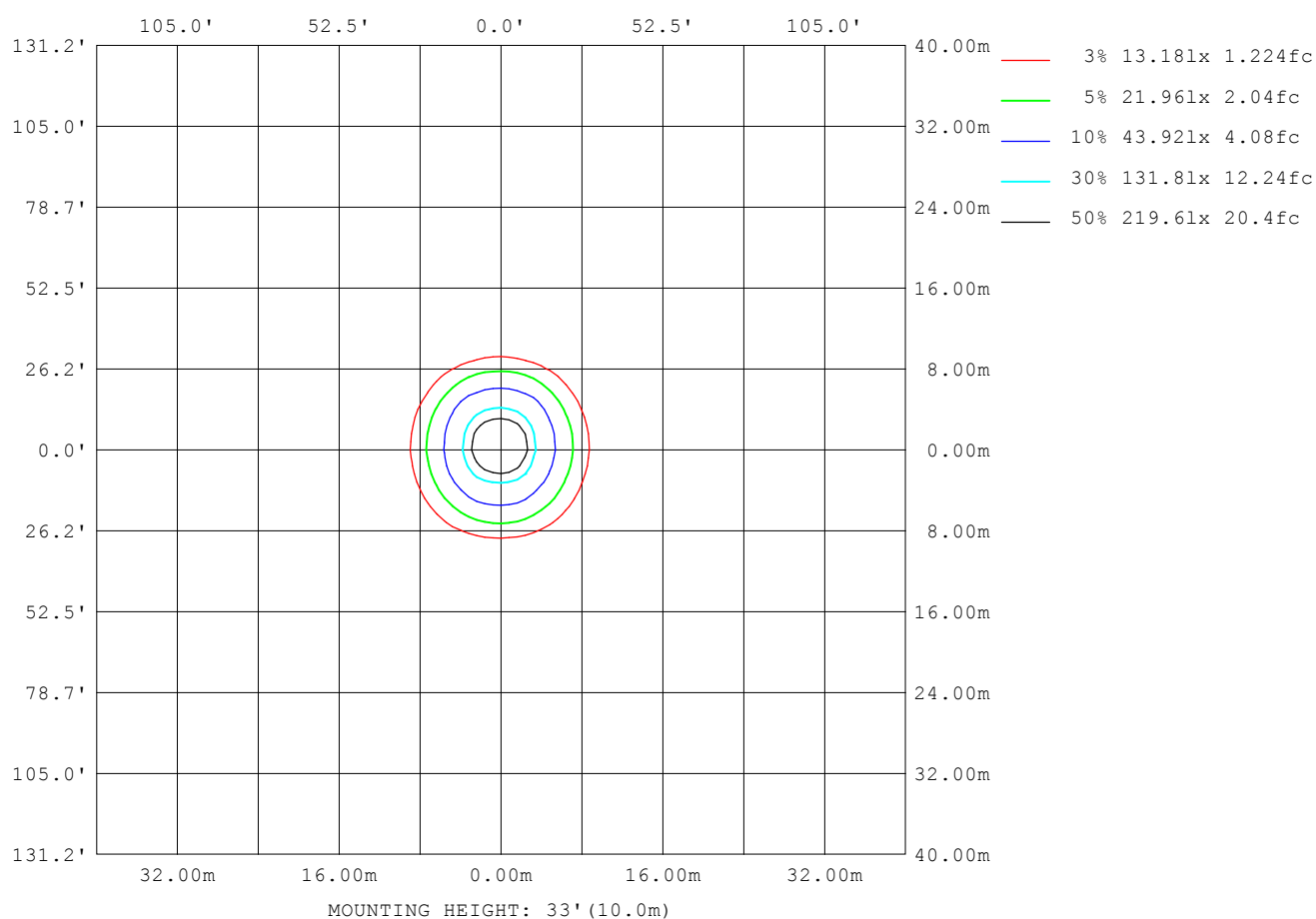


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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

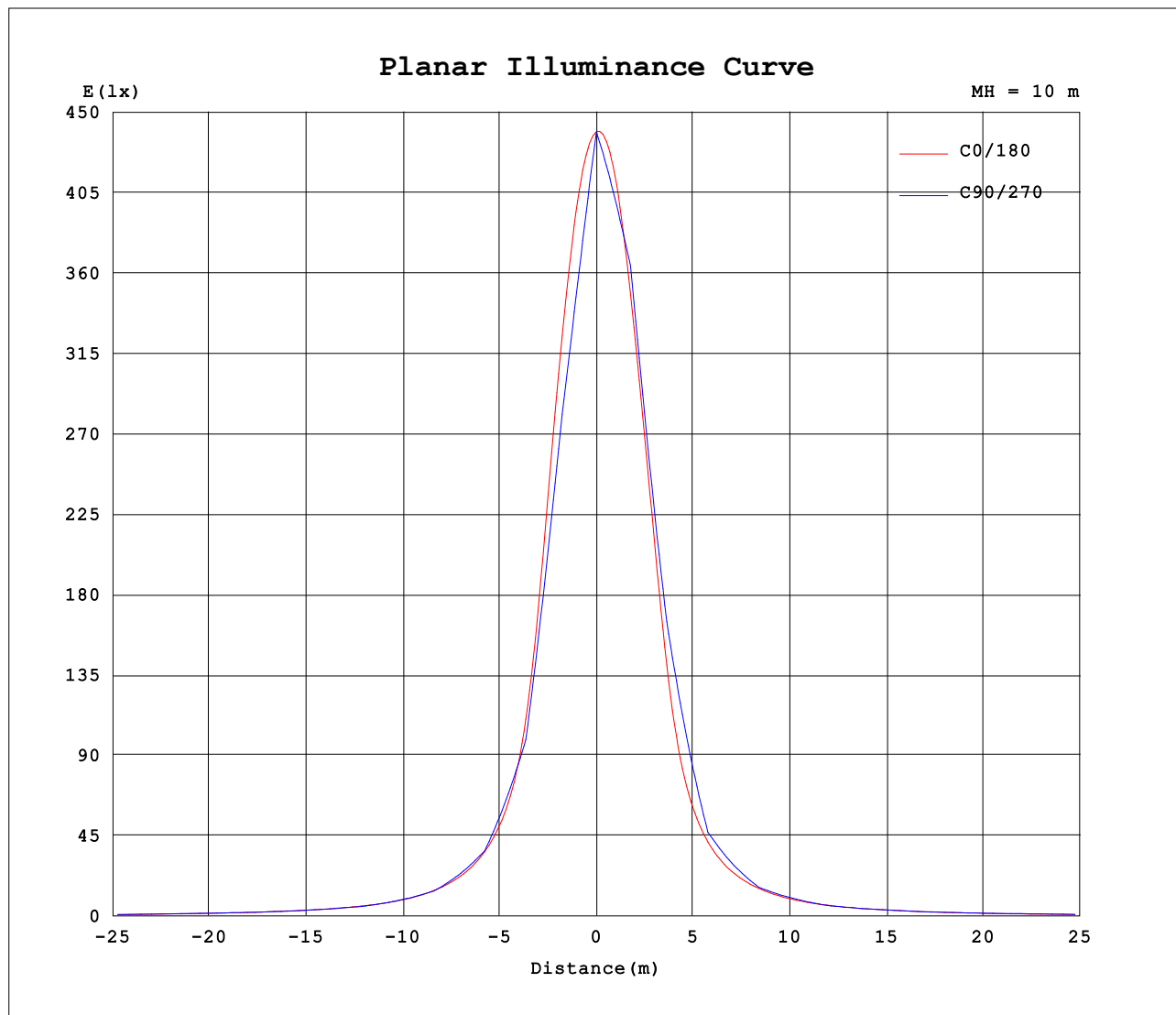
Test:U:220.13V I:0.8739A P:188.70W PF:0.9809 Freq:49.99Hz Lamp Flux:26576.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 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



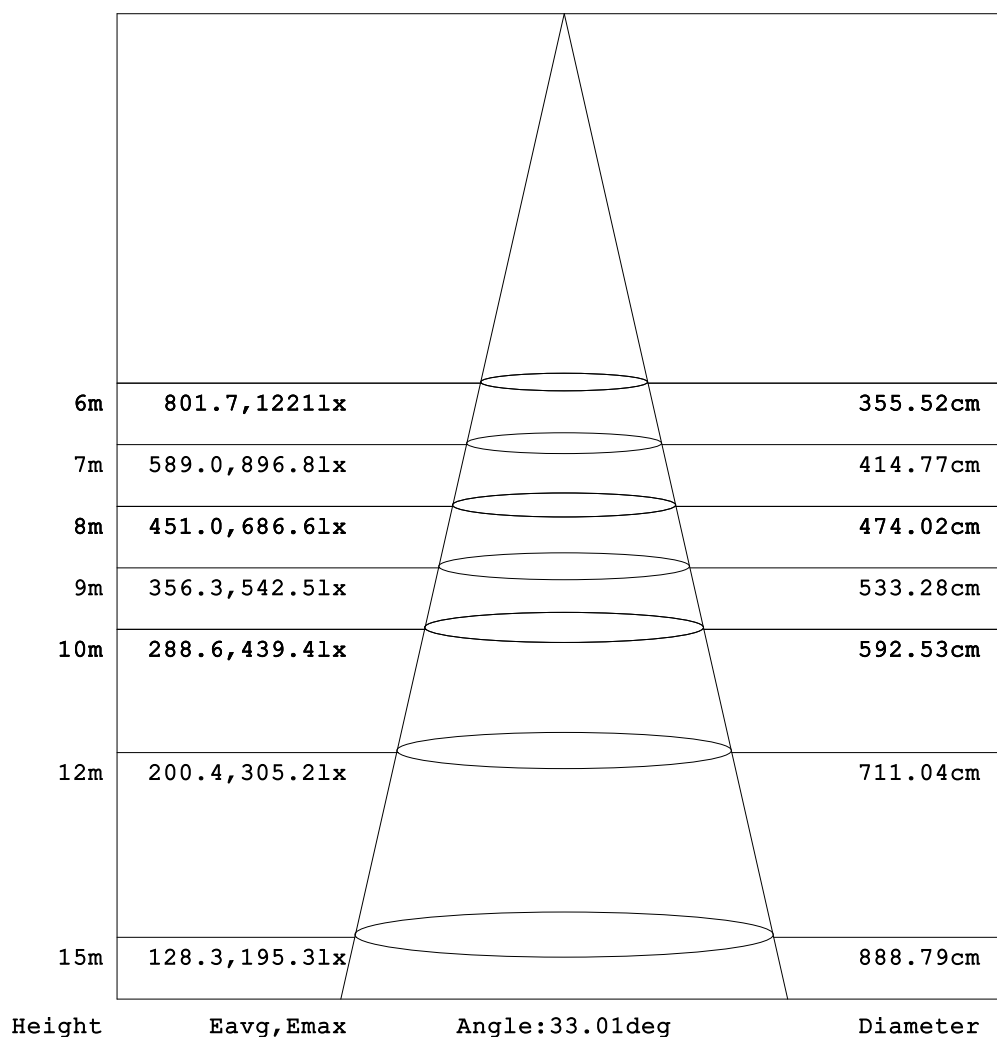
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:18 October 2019

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:220.13V I:0.8739A P:188.70W PF:0.9809 Freq:49.99Hz Lamp Flux:26576.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:8475 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:18 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:220.13V I:0.8739A P:188.70W PF:0.9809 Freq:49.99Hz Lamp Flux:26576.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	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	1.12	15.0	47.8	73.1	83.2	91.9	99.2	105	112	117	122	126	130	134	137	140	142	142	142
-75	1.13	18.8	58.0	84.3	96.0	107	117	125	133	141	147	151	155	158	161	165	169	173	174
-70	1.13	22.7	68.2	95.5	109	122	134	145	154	165	171	176	180	181	185	189	196	204	206
-65	1.17	27.5	77.7	104	119	135	149	160	170	179	181	181	180	180	182	185	190	196	198
-60	1.22	32.2	87.2	112	130	147	164	176	186	193	191	185	180	178	179	181	185	188	189
-55	1.22	37.0	94.6	119	140	160	177	188	190	189	187	187	188	191	194	197	201	203	204
-50	1.22	41.8	102	126	150	172	189	200	195	185	184	189	196	203	209	214	217	218	218
-45	1.30	47.7	107	133	158	181	196	198	193	192	198	208	221	234	246	256	263	267	268
-40	1.38	53.5	111	139	167	191	202	195	192	199	211	227	246	265	283	298	309	316	317
-35	1.47	60.4	115	144	173	195	200	195	198	210	229	254	284	319	357	392	420	437	441
-30	1.55	67.3	118	148	178	200	198	194	204	221	247	281	323	374	430	485	530	559	565
-25	1.66	76.0	121	152	181	200	196	198	211	233	267	313	376	462	572	692	796	862	879
-20	1.77	84.8	124	155	184	199	194	201	217	245	286	345	429	550	714	899	1061	1165	1192
-15	1.82	85.9	125	157	185	197	195	204	223	256	306	380	493	677	995	1430	1783	2004	2067
-10	1.87	87.0	127	159	186	195	196	207	229	266	325	414	557	804	1275	1960	2504	2842	2942
-5	1.95	87.8	128	160	187	195	197	209	232	273	337	436	598	893	1485	2356	3077	3544	3667
0	2.03	88.7	129	162	188	194	198	210	236	279	348	458	640	982	1695	2752	3649	4246	4392
5	2.08	88.4	128	162	188	194	198	210	234	276	343	447	621	941	1604	2596	3425	3970	4104
10	2.13	88.2	128	161	188	194	197	209	232	273	337	437	601	899	1513	2440	3201	3693	3815
15	2.43	87.6	127	160	187	196	196	206	227	263	319	405	541	778	1235	1905	2463	2817	2902
20	2.72	87.0	126	158	186	198	196	203	221	253	301	373	481	657	956	1370	1725	1941	1988
25	2.69	85.1	124	155	184	200	197	200	214	239	278	335	416	539	732	983	1197	1327	1356
30	2.66	83.2	122	151	181	202	198	197	207	226	256	297	350	421	508	597	669	713	724
35	2.71	80.9	119	147	177	201	202	196	201	215	237	267	305	353	410	466	510	538	544
40	2.77	78.5	116	143	173	200	207	196	195	204	218	237	260	286	311	334	352	362	364
45	2.70	74.4	111	137	165	191	204	202	197	197	204	217	232	249	266	280	290	296	298
50	2.64	70.2	106	132	158	183	202	209	198	190	191	196	204	212	220	225	229	231	231
55	2.64	64.9	101	124	148	170	189	200	199	198	195	194	195	198	202	205	209	211	212
60	2.64	59.5	95.4	117	138	158	177	191	201	206	199	191	185	184	184	185	188	191	193
65	2.60	49.9	88.1	108	126	144	160	173	184	192	193	192	191	192	193	195	199	204	206
70	2.56	40.2	80.8	99.7	115	129	143	155	166	178	186	192	197	199	201	204	210	216	219
75	2.59	28.2	70.3	88.5	101	112	122	132	143	153	160	165	170	173	175	178	183	186	187
80	2.62	16.2	59.7	77.3	87.3	95.0	102	109	120	128	133	138	143	147	150	153	155	156	156
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:18 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:220.13V I:0.8739A P:188.70W PF:0.9809 Freq:49.99Hz Lamp Flux:26576.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	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	141	139	135	131	127	122	117	112	106	98.8	91.9	85.1	76.8	66.3	52.0	22.3	1.07	0.76	
-75	170	164	159	154	151	146	142	136	128	120	112	103	92.4	80.6	66.1	35.5	4.09	0.76	
-70	199	190	183	178	175	171	167	160	151	141	131	120	108	95.0	80.1	48.6	7.12	0.76	
-65	193	186	181	178	176	175	175	172	166	157	147	134	120	105	88.4	57.8	10.5	0.76	
-60	187	182	179	178	178	180	183	183	181	172	162	148	132	115	96.6	66.9	13.9	0.76	
-55	202	199	196	192	189	186	184	183	183	182	174	161	144	124	104	75.8	18.4	0.76	
-50	217	216	212	206	200	192	186	182	186	191	186	174	156	134	111	84.8	22.8	0.77	
-45	265	260	252	241	228	215	203	194	190	190	190	183	165	141	116	89.4	27.3	0.78	
-40	313	305	292	275	256	237	220	205	195	190	195	191	174	148	122	94.1	31.8	0.80	
-35	431	408	376	340	304	271	243	221	205	195	194	194	179	154	127	98.1	38.1	0.82	
-30	548	511	460	404	352	306	267	237	215	200	193	196	183	159	131	102	44.3	0.85	
-25	839	745	625	511	419	348	294	253	224	205	195	195	184	162	134	105	51.7	0.84	
-20	1131	980	789	618	486	390	320	269	234	211	198	194	185	164	137	107	59.2	0.84	
-15	1956	1660	1209	814	582	442	350	286	243	216	201	194	186	167	140	109	61.6	0.87	
-10	2781	2340	1628	1009	678	494	380	304	253	222	204	195	186	169	143	111	64.0	0.90	
-5	3450	2870	1991	1170	743	525	396	313	258	224	205	196	186	170	144	112	63.4	0.95	
0	4118	3401	2353	1331	807	556	412	322	263	227	207	196	186	171	145	113	62.8	1.00	
5	3847	3190	2232	1283	787	545	406	318	261	226	207	196	187	172	145	113	64.2	1.05	
10	3575	2978	2110	1236	766	534	400	314	259	225	206	196	188	172	145	113	65.5	1.10	
15	2722	2289	1652	1022	671	485	372	299	251	220	204	196	189	171	144	112	63.1	1.13	
20	1869	1600	1193	808	576	436	345	283	242	216	201	196	191	170	143	111	60.6	1.17	
25	1284	1121	877	641	485	384	314	265	232	210	199	198	191	169	140	109	59.8	1.19	
30	699	641	562	474	395	332	283	247	221	205	196	200	192	168	138	107	59.0	1.20	
35	529	493	444	388	336	292	257	230	211	199	198	200	188	163	134	104	55.2	1.22	
40	359	345	326	302	277	252	231	214	201	194	199	200	184	158	130	100	51.3	1.23	
45	294	286	275	260	243	227	213	201	196	197	200	194	176	151	124	95.7	47.2	1.25	
50	230	228	224	217	210	202	194	189	191	200	200	187	167	143	118	91.4	43.2	1.27	
55	210	208	205	201	197	194	194	194	195	194	188	174	155	133	111	85.1	36.9	1.29	
60	191	188	185	184	184	187	194	200	199	187	175	161	142	123	103	78.8	30.6	1.31	
65	203	198	194	191	189	188	189	188	182	171	158	145	129	112	94.0	70.1	22.5	1.33	
70	216	208	202	198	193	189	184	176	166	154	142	129	116	101	84.9	61.3	14.3	1.35	
75	185	180	175	171	167	162	156	149	141	131	120	110	98.4	85.2	68.6	43.0	8.05	1.38	
80	154	152	149	144	140	134	128	122	115	108	99.2	90.7	81.2	69.1	52.3	24.7	1.76	1.41	
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:18 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: