

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	665.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	159.4V x 143.0H
	At 50% of Imax	42.6V x 120.1H
	At 90% of Imax	14.3V x 104.1H

Beam Flux	Total	998.0 lumens per klm.
	To 10% of Imax	922.0 lumens per klm.
	To 50% of Imax	544.1 lumens per klm.
	To 90% of Imax	75.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

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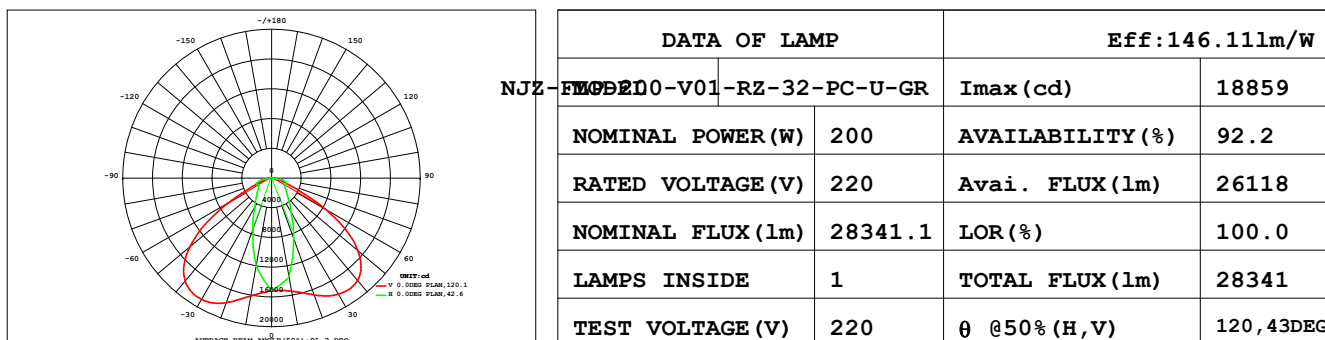
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 October 2019

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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:220.14V I:0.8974A P:193.98W PF:0.9819 Freq:49.99Hz Lamp Flux:28341.1x1 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



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	0.11	1.31	4.04	8.13	13.4	19.7	28.6	43.7	59.1	59.3	43.9	28.4	19.4	13.3	7.97	3.88	1.21	0.10	356	85.7
70	0.26	2.53	7.54	14.7	22.9	30.5	39.1	52.2	65.6	65.5	52.0	39.0	30.5	22.9	14.5	7.38	2.43	0.23	470	154
60	0.42	3.89	11.8	23.0	34.2	43.8	52.3	59.2	63.0	62.8	58.8	52.0	43.7	34.0	22.7	11.6	3.76	0.39	581	278
50	0.57	5.31	17.2	34.9	51.1	64.0	73.1	78.9	81.8	81.8	78.9	73.0	63.7	50.5	34.2	16.9	5.17	0.53	812	739
40	0.69	6.57	24.0	54.4	81.2	97.6	107	112	114	114	113	107	97.2	79.8	53.0	23.4	6.41	0.65	1193	1157
30	0.78	7.57	33.0	90.9	143	167	175	176	176	177	179	178	168	140	88.1	31.9	7.36	0.73	1939	1912
	0.85	8.44	44.6	145	242	291	304	296	288	292	305	313	296	240	141	42.3	8.05	0.78	3258	3235
	0.87	8.97	54.5	193	334	417	443	432	420	427	450	463	427	334	187	50.9	8.45	0.80	4650	4629
	0.89	9.13	57.5	206	357	446	474	464	454	463	489	503	462	359	198	52.1	8.41	0.79	5003	4982
	0.85	8.70	50.3	170	288	349	364	355	349	358	381	394	368	293	166	45.6	8.06	0.77	3950	3928
	0.79	7.99	38.6	114	179	205	207	205	205	212	224	230	222	184	109	34.4	7.30	0.70	2386	2361
-30	0.68	6.92	27.1	64.8	93.0	106	114	120	123	125	124	121	114	97.0	62.6	24.9	6.40	0.60	1331	1298
-40	0.54	5.70	19.1	38.4	54.9	67.4	76.5	82.6	85.9	86.3	83.8	78.2	69.1	55.5	37.2	17.8	5.23	0.46	865	808
-50	0.38	4.23	13.0	24.9	36.3	46.3	54.7	61.7	66.1	66.0	61.7	54.9	46.4	36.1	24.3	12.3	3.89	0.31	614	385
-60	0.24	2.79	8.30	15.9	24.2	31.9	40.3	51.0	60.3	59.8	50.0	39.6	31.4	23.8	15.2	7.76	2.49	0.17	465	100
-70	0.12	1.51	4.50	8.88	14.4	20.5	29.1	43.8	58.4	56.8	41.3	27.6	19.7	13.8	8.34	4.09	1.27	0.08	354	65.2
-80	0.03	0.34	1.03	2.10	3.64	5.98	10.3	17.2	22.1	20.8	14.3	8.39	5.03	3.04	1.65	0.71	0.16	0.01	117	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	9.07	91.9	416	1209	1972	2409	2592	2649	2692	2727	2749	2711	2482	1978	1172	388	86.0	8.08	28341	---
Φ a	0.00	2.83	302	1095	1833	2247	2404	2452	2602	2625	2540	2529	2324	1841	1056	267	0.39	0.00	---	26118

one-half-peak spread: U:23.4,D:19.6 , L:26.0,R:28.3

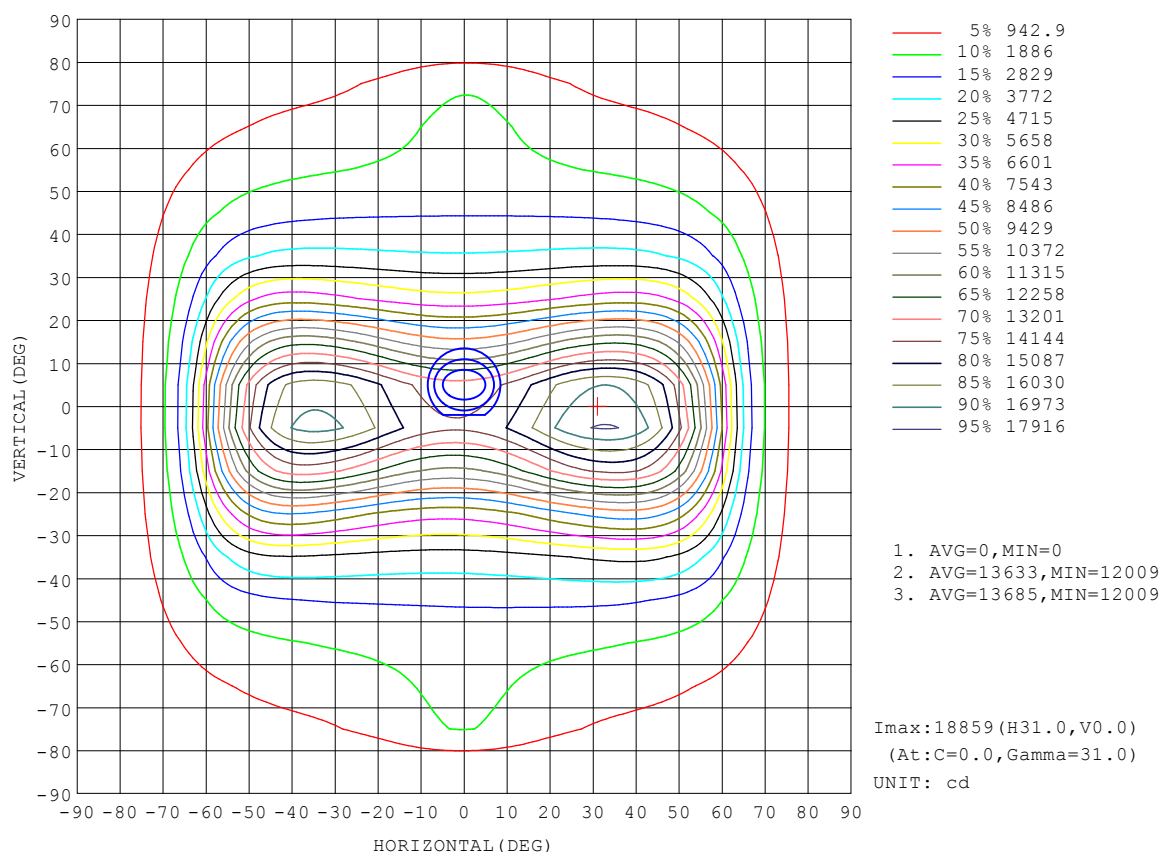
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date: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:220.14V I:0.8974A P:193.98W PF:0.9819 Freq:49.99Hz Lamp Flux:28341.1x1 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

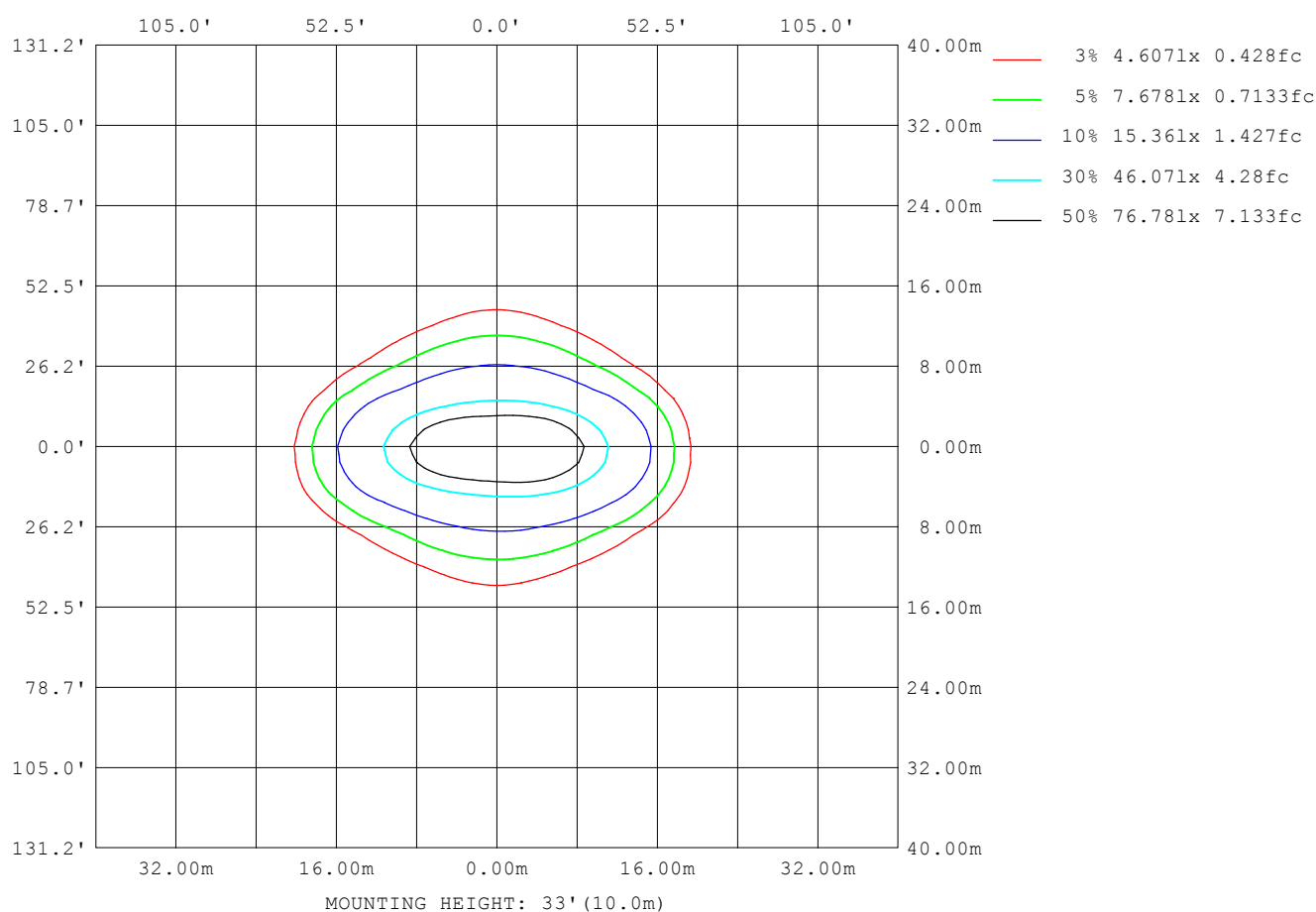


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 October 2019

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

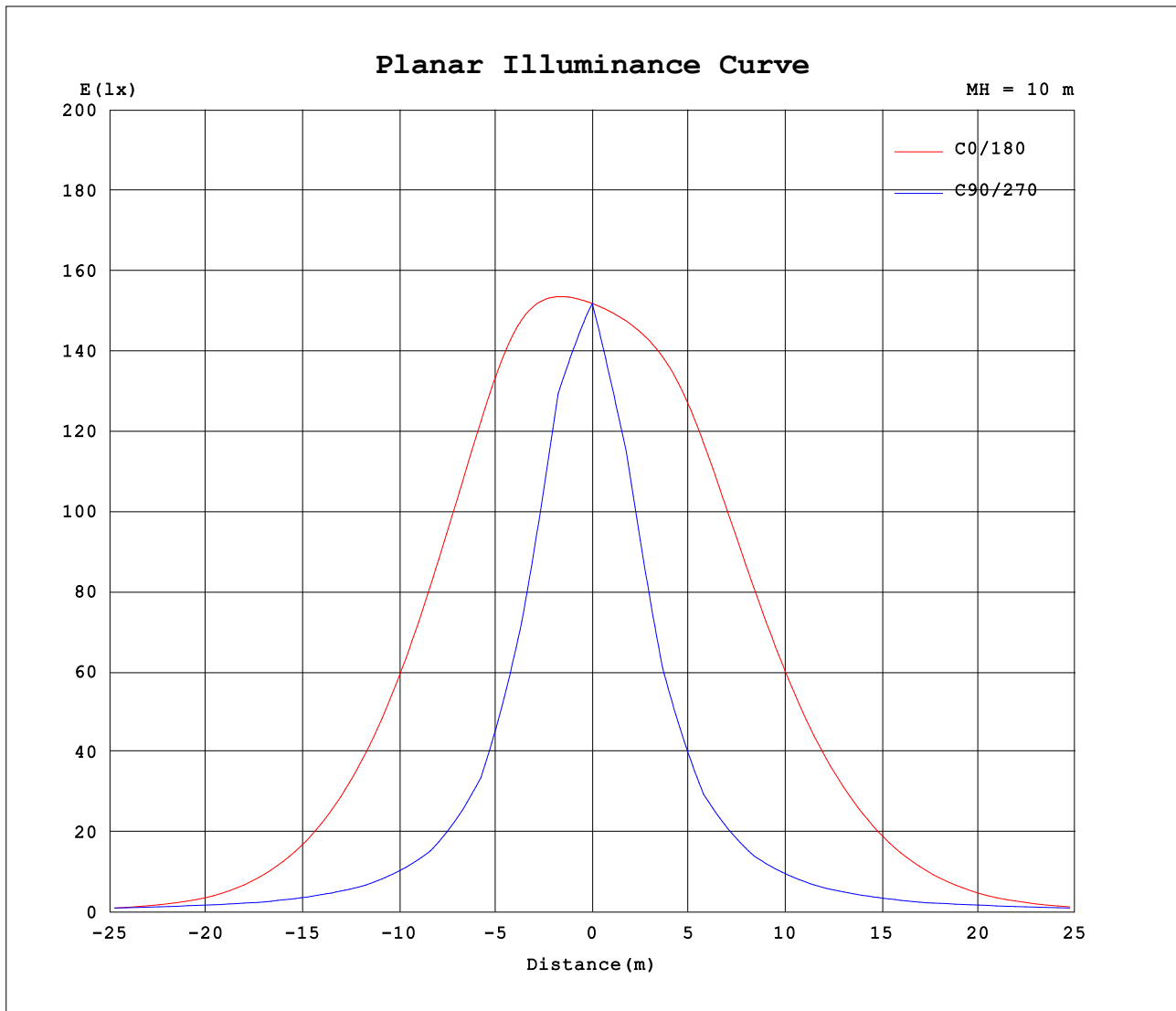
Test:U:220.14V I:0.8974A P:193.98W PF:0.9819 Freq:49.99Hz Lamp Flux:28341.1x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
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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



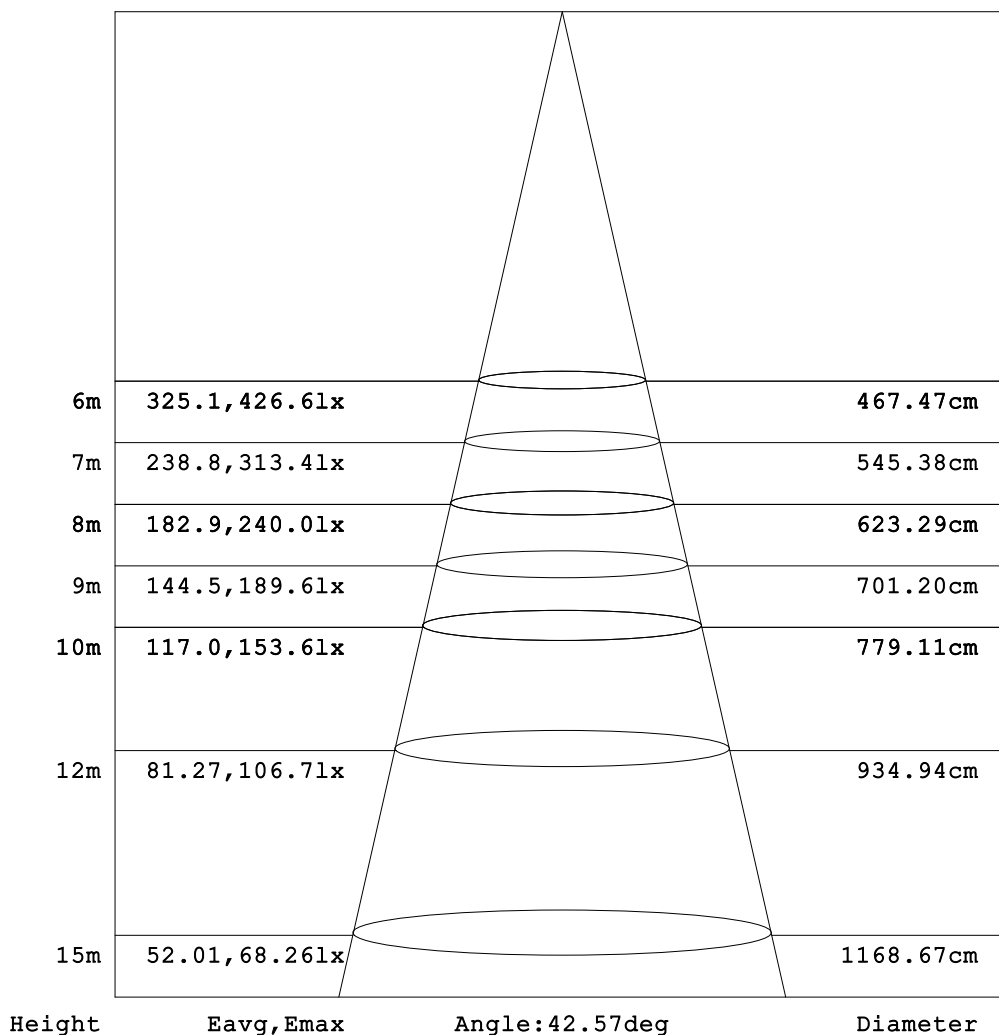
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:19 October 2019

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:220.14V I:0.8974A P:193.98W PF:0.9819 Freq:49.99Hz Lamp Flux:28341.1x1 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:5705 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:220.14V I:0.8974A P:193.98W PF:0.9819 Freq:49.99Hz Lamp Flux:28341.1x1 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	0.62	1.31	5.65	11.4	16.5	21.8	27.2	32.6	38.4	44.5	50.9	58.5	69.0	83.5	102	126	148	160	162
-75	0.57	1.68	8.06	17.5	25.5	33.9	42.3	50.4	58.3	66.3	73.6	81.0	90.2	103	120	143	168	185	191
-70	0.65	3.47	14.5	26.7	37.9	49.4	60.7	71.2	81.4	91.1	99.1	107	116	129	147	170	196	215	219
-65	0.53	3.30	16.3	32.2	47.1	62.8	77.8	91.3	104	114	123	130	138	148	161	176	193	207	211
-60	0.69	6.40	25.4	43.5	62.6	82.4	101	117	131	141	149	156	163	171	180	189	197	202	203
-55	0.53	5.31	25.9	48.1	71.8	97.8	123	145	162	174	183	191	197	203	209	215	220	224	226
-50	0.74	9.78	36.2	61.6	91.3	124	156	182	199	212	221	228	234	237	240	243	245	247	248
-45	0.53	7.80	35.5	63.8	98.3	141	188	229	255	271	280	285	288	290	291	292	293	293	294
-40	0.80	14.3	46.0	78.6	121	177	238	288	319	335	342	344	344	343	342	341	340	340	341
-35	0.54	10.8	42.9	76.7	124	193	287	378	436	462	466	461	453	445	438	432	429	427	429
-30	0.90	19.3	52.0	90.6	150	243	376	497	568	593	589	575	559	545	532	522	516	515	518
-25	0.56	15.1	47.6	86.1	148	257	441	631	764	831	847	832	803	772	741	716	699	692	695
-20	1.02	24.3	56.8	101	180	331	588	829	998	1083	1103	1079	1035	986	939	901	877	868	875
-15	0.60	18.5	50.5	92.4	167	319	614	923	1157	1297	1359	1362	1330	1281	1223	1169	1130	1110	1112
-10	1.06	25.1	58.8	106	199	403	772	1124	1387	1548	1624	1636	1608	1553	1483	1418	1371	1349	1354
-5	0.63	19.5	51.8	95.6	178	358	723	1107	1404	1598	1700	1730	1713	1664	1592	1520	1466	1436	1434
0	1.11	25.7	60.0	109	207	430	836	1227	1515	1703	1798	1823	1803	1748	1671	1597	1544	1517	1519
5	0.55	19.3	51.5	95.0	176	349	695	1061	1344	1527	1624	1652	1635	1589	1520	1449	1394	1364	1359
10	1.37	24.7	58.3	105	193	380	709	1026	1261	1403	1470	1480	1454	1404	1339	1276	1229	1204	1204
15	0.50	18.4	49.7	90.8	162	299	552	819	1020	1139	1191	1196	1171	1131	1082	1033	995	973	969
20	1.34	23.6	55.7	98.3	172	301	508	704	839	905	921	905	875	840	805	773	750	738	737
25	0.61	16.9	46.5	83.8	141	235	381	531	637	692	709	703	684	663	641	621	606	597	595
30	1.24	21.0	50.6	87.6	141	220	319	408	464	491	497	494	486	477	469	462	458	455	455
35	0.72	14.7	41.5	74.0	117	177	250	318	364	390	400	402	400	397	393	389	386	385	384
40	1.18	18.2	44.3	75.4	114	162	210	250	277	294	305	311	314	315	315	315	314	314	314
45	0.80	11.9	34.5	61.0	92.5	130	168	202	225	241	253	260	265	269	271	272	274	275	275
50	1.12	14.0	34.6	58.3	85.3	114	141	165	181	194	204	212	218	223	227	231	234	236	236
55	0.87	8.29	25.9	45.3	66.9	89.9	112	132	148	160	170	178	184	191	198	204	211	215	217
60	1.09	9.51	24.6	40.6	57.8	75.5	92.0	107	120	131	139	146	153	162	171	181	190	196	198
65	0.93	4.54	17.0	29.8	43.2	57.2	70.8	83.1	95.0	106	114	121	129	139	152	169	189	204	211
70	1.05	3.92	14.3	24.2	34.3	44.6	54.7	64.4	74.2	83.9	91.7	99.0	108	120	138	165	195	217	223
75	0.98	2.03	8.03	15.2	22.2	29.6	36.9	44.0	51.2	58.7	65.5	72.3	80.4	91.5	107	129	154	173	181
80	1.05	1.48	4.58	8.99	13.1	17.6	22.0	26.4	31.2	36.4	42.0	48.5	56.9	68.3	83.6	103	122	134	138
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: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:220.14V I:0.8974A P:193.98W PF:0.9819 Freq:49.99Hz Lamp Flux:28341.1x1 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	154	135	111	89.4	73.6	61.6	53.1	46.5	40.4	34.5	28.8	23.5	18.1	13.0	8.05	2.87	0.92	0.60	
-75	183	164	139	117	100	88.2	79.5	72.4	65.2	57.3	49.3	41.3	32.9	24.6	16.6	8.07	1.75	0.66	
-70	207	184	158	137	122	111	103	95.6	87.0	76.9	66.6	55.8	44.4	32.9	21.9	9.71	1.62	0.60	
-65	206	192	175	159	147	137	130	123	114	104	91.0	77.6	62.6	46.9	32.1	17.3	3.78	0.67	
-60	200	194	185	176	168	160	154	147	138	126	110	93.7	74.4	54.7	36.5	18.0	3.06	0.61	
-55	224	221	216	210	205	199	193	186	176	164	147	124	98.6	72.7	49.0	27.7	6.61	0.68	
-50	247	246	244	242	240	236	230	222	211	196	175	145	112	80.7	52.6	28.0	5.06	0.64	
-45	295	296	297	298	298	297	295	289	279	260	231	190	143	100	65.4	37.4	9.84	0.70	
-40	344	347	350	353	356	358	358	354	341	315	273	216	155	104	66.0	36.0	7.15	0.66	
-35	433	440	450	461	472	483	492	494	483	450	386	293	198	127	79.0	45.0	14.3	0.73	
-30	525	538	554	573	592	611	627	632	617	564	466	329	208	127	76.9	42.0	10.7	0.65	
-25	708	733	767	804	840	871	893	896	867	789	648	453	264	152	89.2	50.2	18.8	0.77	
-20	899	940	994	1051	1102	1142	1164	1154	1094	968	760	492	265	146	83.6	45.2	14.2	0.69	
-15	1135	1180	1244	1316	1378	1420	1437	1417	1341	1194	956	641	335	174	96.3	53.5	21.3	0.82	
-10	1386	1443	1522	1608	1675	1710	1709	1661	1541	1343	1035	653	318	162	88.8	47.9	16.4	0.72	
-5	1459	1512	1589	1678	1754	1794	1796	1752	1637	1439	1140	755	377	186	100	55.3	22.2	0.86	
0	1549	1608	1690	1782	1854	1885	1874	1810	1668	1435	1100	691	330	165	89.7	48.2	16.4	0.75	
5	1381	1428	1499	1581	1652	1691	1693	1652	1548	1363	1083	724	368	184	100	55.4	22.3	0.95	
10	1227	1274	1340	1412	1471	1504	1505	1464	1370	1195	931	601	305	161	89.0	48.2	16.7	0.74	
15	982	1013	1059	1113	1162	1197	1211	1197	1140	1022	830	572	314	170	96.4	54.0	21.7	1.03	
20	747	768	799	835	869	899	917	914	875	786	633	429	248	143	83.9	45.8	15.4	0.79	
25	600	612	630	651	672	691	705	705	684	629	530	389	243	148	89.2	50.7	20.1	1.03	
30	457	462	468	476	484	490	494	492	477	440	376	284	193	124	77.1	42.5	14.0	0.82	
35	385	388	391	395	399	402	402	398	385	360	317	253	182	123	78.7	45.3	17.6	1.02	
40	314	315	316	316	316	313	309	300	286	265	235	193	145	101	65.9	36.2	11.4	0.87	
45	275	274	273	272	269	266	261	252	241	225	202	170	133	95.9	64.2	37.2	14.1	1.01	
50	235	233	230	226	222	217	210	201	190	176	157	132	105	76.8	51.0	28.3	8.34	0.90	
55	216	212	206	199	192	185	178	171	161	149	133	113	91.7	68.9	47.1	27.5	10.1	1.01	
60	195	188	179	169	159	151	144	137	128	116	102	86.6	69.4	51.8	35.1	19.4	4.85	0.93	
65	206	193	173	155	141	130	122	115	107	96.4	84.1	71.6	58.0	44.0	30.4	17.6	5.32	1.01	
70	214	190	160	134	117	106	97.4	90.2	81.9	71.6	61.4	51.4	41.0	30.6	20.5	10.9	1.95	0.96	
75	176	158	134	110	93.3	81.5	73.0	66.1	59.4	51.9	44.3	37.0	29.5	22.1	15.0	8.04	2.03	1.02	
80	132	117	97.5	78.6	64.2	53.5	45.6	39.4	34.0	29.0	24.1	19.6	15.1	10.8	6.71	2.54	1.16	1.00	
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	
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: