

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1018.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	96.5V x 87.4H
	At 50% of Imax	54.9V x 52.0H
	At 90% of Imax	22.1V x 17.7H

Beam Flux	Total	998.0 lumens per klm.
	To 10% of Imax	778.2 lumens per klm.
	To 50% of Imax	476.7 lumens per klm.
	To 90% of Imax	78.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

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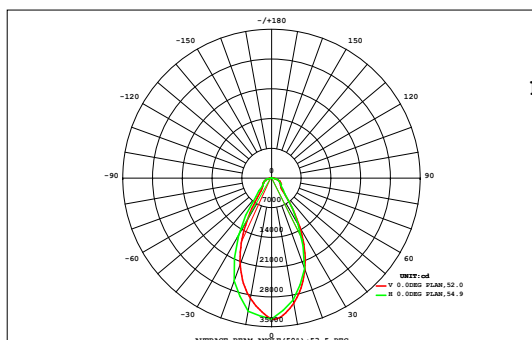
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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:

# LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.12V I:1.0528A P:229.29W PF:0.9894 Freq:49.99Hz Lamp Flux:32623.9x1 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:142.28lm/W	
NJZMODEL240-V01-RZ-60-PC-GR		Imax(cd)	33229
NOMINAL POWER(W)	240	AVAILABILITY(%)	77.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	25169
NOMINAL FLUX(lm)	32623.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	32624
TEST VOLTAGE(V)	220	θ @50% (H,V)	52,55DEG

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	2.73	7.87	14.7	22.8	30.5	37.5	42.0	44.4	44.2	41.2	36.3	29.0	20.9	12.9	6.24	1.71	0.10	395	0.00
70	0.49	4.51	13.0	23.3	34.0	44.3	52.7	57.6	59.4	59.1	56.8	51.6	42.8	32.2	21.3	11.2	3.46	0.25	568	0.00
60	0.69	6.32	17.7	31.0	44.5	56.6	66.5	73.1	76.2	76.0	72.7	65.8	55.5	43.2	29.7	16.4	5.42	0.43	738	0.00
50	0.86	7.65	20.9	36.1	50.8	64.8	79.3	99.4	118	118	99.5	79.4	64.5	50.2	35.2	19.9	6.88	0.60	952	271
40	1.01	8.69	23.3	39.5	55.5	75.6	124	208	282	282	209	125	76.6	55.4	38.9	22.4	7.87	0.74	1636	1225
30	1.12	9.42	24.9	42.0	60.1	104	248	443	592	593	441	243	104	60.7	41.5	24.1	8.57	0.84	3043	2732
20	1.19	9.93	26.0	43.8	65.3	157	403	662	846	843	655	391	152	66.2	43.5	25.2	8.95	0.91	4401	4134
10	1.22	10.2	26.6	45.0	69.8	198	488	768	961	952	758	477	188	70.5	44.9	25.8	9.13	0.94	5095	4848
0	1.22	10.2	26.5	44.9	69.6	191	466	741	930	913	729	456	178	70.0	44.9	25.8	9.03	0.92	4907	4657
-10	1.16	9.91	25.8	43.6	65.1	144	357	597	765	756	589	349	136	65.8	43.5	25.1	8.76	0.89	3983	3711
-20	1.08	9.47	24.7	42.0	60.6	100	223	396	525	520	386	211	94.3	61.1	41.7	23.9	8.26	0.80	2729	2407
-30	0.95	8.72	23.1	39.5	56.1	73.7	110	183	243	239	175	104	73.9	56.4	39.2	22.3	7.58	0.69	1457	1026
-40	0.80	7.79	20.9	36.3	51.5	66.2	76.8	86.5	96.2	95.3	85.3	77.2	66.5	51.5	35.7	20.0	6.65	0.55	882	159
-50	0.61	6.47	17.8	31.4	45.2	57.9	68.3	74.5	76.6	76.7	74.8	68.5	57.9	44.9	30.6	16.7	5.41	0.39	755	0.00
-60	0.42	4.65	13.2	23.8	35.1	46.0	54.9	59.9	61.7	61.8	60.1	54.6	45.3	34.1	22.5	11.9	3.61	0.22	594	0.00
-70	0.23	2.56	7.57	14.3	21.7	29.5	36.1	40.2	42.3	42.2	39.9	35.3	28.2	20.3	12.7	6.26	1.72	0.08	381	0.00
-80	0.07	0.68	1.96	3.82	6.24	8.54	10.6	12.1	13.3	13.0	11.6	9.79	7.48	5.08	2.84	1.14	0.24	0.00	108	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	13.4	120	322	555	814	1448	2903	4544	5734	5684	4484	2836	1400	808	542	304	103	9.36	32624	---
Φ a	0.00	0.00	0.00	0.00	73.0	866	2389	4077	5274	5227	4023	2322	832	85.0	0.00	0.00	0.00	0.00	---	25169

one-half-peak spread: U:26.1,D:29.2 , L:25.9,R:26.5

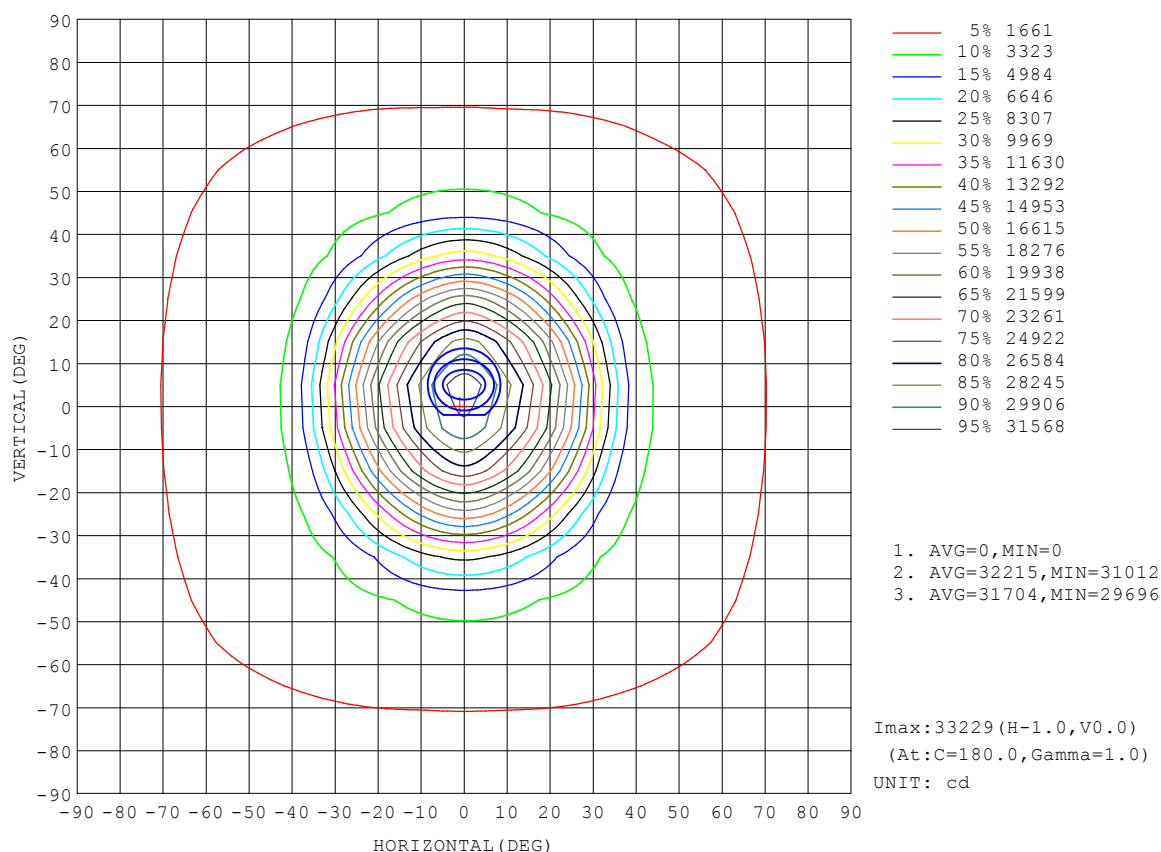
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date: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:220.12V I:1.0528A P:229.29W PF:0.9894 Freq:49.99Hz Lamp Flux:32623.9x1 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

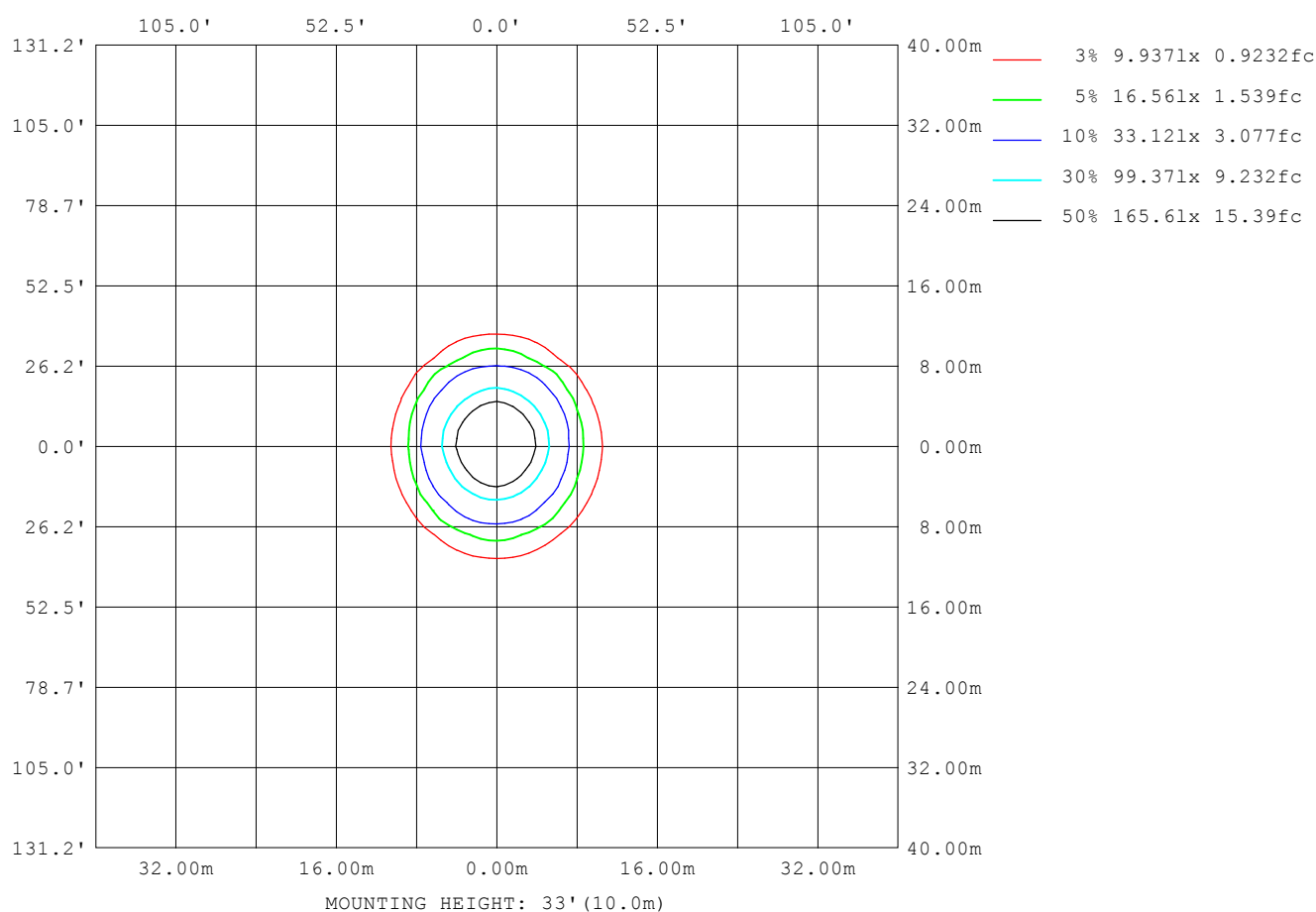


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:18 October 2019

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

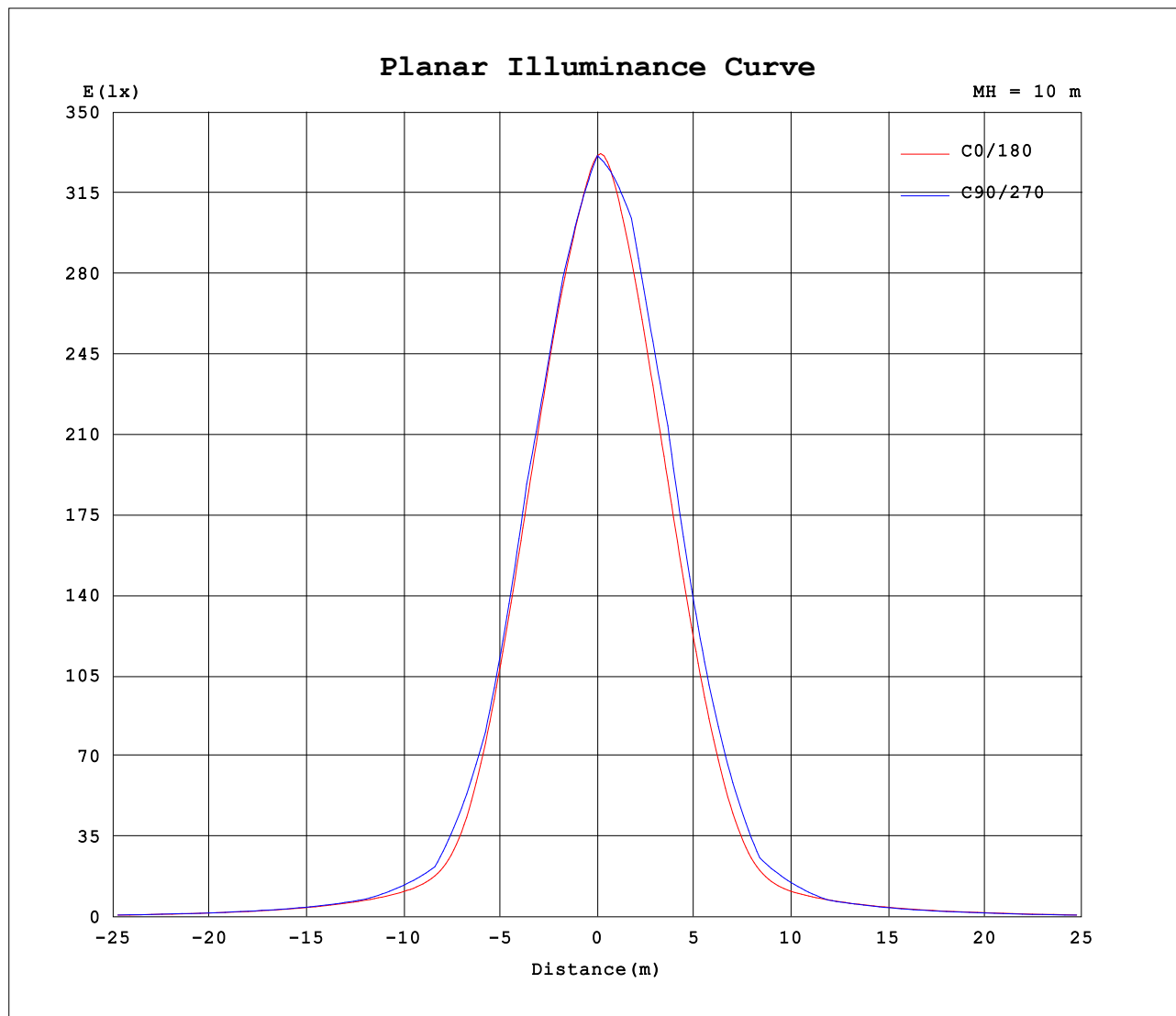
Test:U:220.12V I:1.0528A P:229.29W PF:0.9894 Freq:49.99Hz Lamp Flux:32623.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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



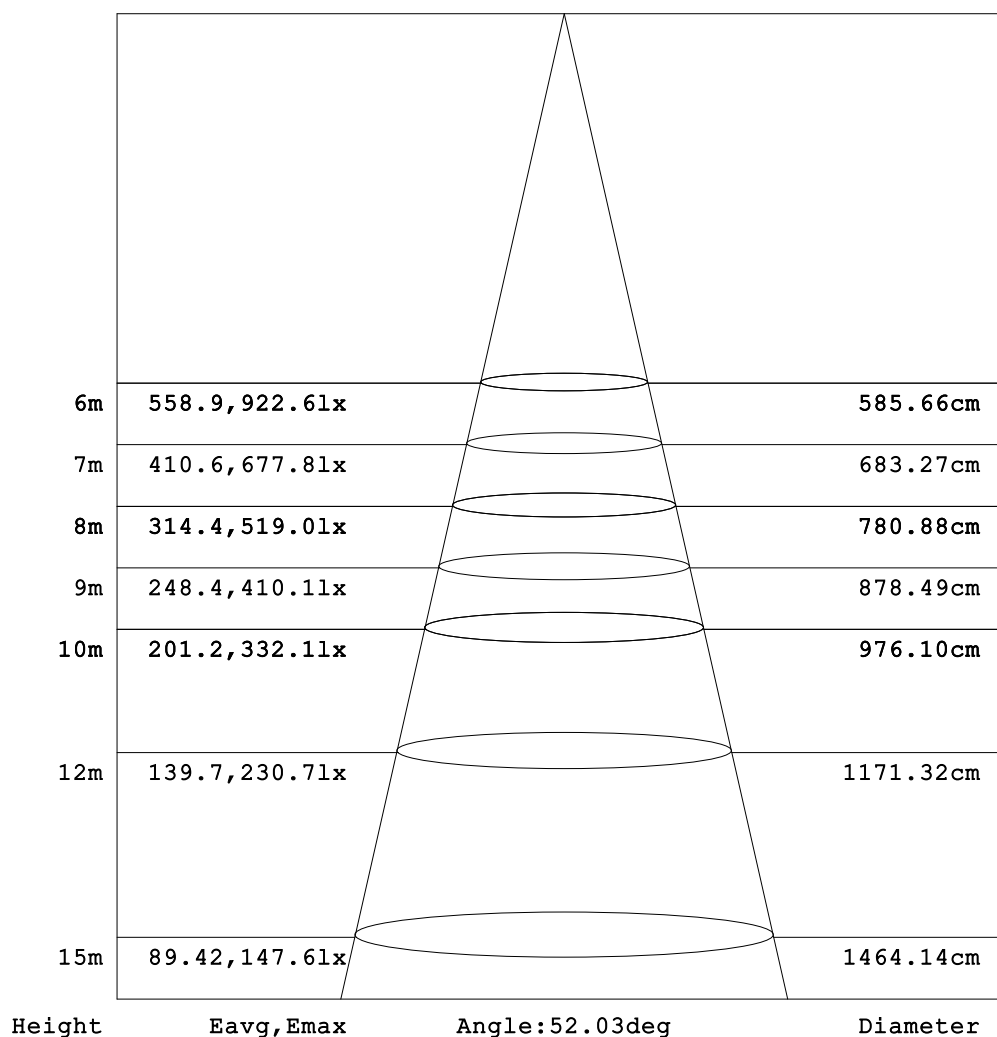
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:18 October 2019

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:220.12V I:1.0528A P:229.29W PF:0.9894 Freq:49.99Hz Lamp Flux:32623.9x1 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:15712 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:220.12V I:1.0528A P:229.29W PF:0.9894 Freq:49.99Hz Lamp Flux:32623.9x1 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	0.80	3.21	11.8	21.1	29.3	39.0	48.2	55.3	64.3	72.0	78.5	84.6	90.1	94.5	97.4	100.0	103	105	105
-75	0.60	3.70	14.9	29.6	43.6	57.3	68.6	80.3	90.9	99.9	108	117	124	130	133	135	137	139	140
-70	0.84	7.32	24.1	43.8	63.7	80.3	93.3	110	121	131	142	152	160	167	170	172	172	173	174
-65	0.52	6.90	26.7	52.4	77.3	98.2	115	133	147	159	170	181	190	196	201	203	203	204	204
-60	0.93	12.4	40.0	71.4	100	123	144	162	178	191	203	213	222	228	233	234	234	235	235
-55	0.45	10.5	39.2	74.1	108	133	156	176	193	207	219	230	240	248	255	260	263	266	268
-50	1.04	17.4	52.2	91.3	126	153	177	198	214	228	241	252	261	271	279	287	294	299	301
-45	0.40	14.4	49.4	89.9	129	158	183	205	223	237	251	265	279	294	314	339	365	385	393
-40	1.23	22.8	61.4	106	145	174	199	220	237	252	267	284	301	323	357	401	445	477	486
-35	0.35	18.3	56.7	101	145	175	202	224	242	258	276	299	339	414	522	642	754	835	865
-30	1.41	28.6	67.7	116	158	188	214	236	253	271	293	325	400	544	734	930	1101	1215	1242
-25	0.32	23.1	62.3	108	157	188	215	238	256	277	305	372	527	759	1028	1292	1524	1689	1758
-20	1.63	34.2	73.2	124	169	199	226	247	267	292	334	465	737	1079	1429	1755	2025	2209	2271
-15	0.30	27.0	66.1	113	165	196	224	247	268	293	344	512	835	1228	1622	1978	2275	2494	2598
-10	1.71	35.6	75.4	128	174	205	232	255	277	308	396	667	1084	1538	1963	2331	2627	2844	2916
-5	0.29	28.5	68.2	115	169	201	229	253	276	305	389	664	1110	1592	2043	2434	2754	2999	3123
0	1.86	36.9	77.1	131	178	209	237	260	284	320	452	823	1329	1834	2290	2677	2991	3233	3312
5	0.11	28.8	68.6	115	170	202	230	254	277	307	399	703	1179	1681	2143	2536	2856	3112	3254
10	2.21	36.2	75.9	128	176	207	234	257	280	312	424	757	1232	1723	2164	2536	2833	3077	3182
15	0.03	28.0	66.9	111	167	198	225	248	269	294	358	577	964	1405	1823	2193	2497	2739	2882
20	2.19	35.0	73.4	123	170	200	226	248	267	291	346	532	869	1262	1640	1983	2266	2484	2576
25	0.21	26.3	63.2	106	159	189	215	238	256	275	307	402	612	903	1212	1509	1765	1962	2068
30	1.98	32.0	68.0	114	160	189	215	236	252	269	291	338	463	669	906	1144	1352	1502	1557
35	0.40	23.6	57.4	98.7	146	177	202	224	240	256	273	299	361	471	612	765	909	1017	1066
40	1.83	28.4	61.2	104	146	174	199	219	235	248	262	277	295	326	378	447	515	562	574
45	0.61	20.1	49.8	87.7	129	158	183	203	220	233	246	258	271	288	316	352	389	418	428
50	1.57	23.2	51.4	89.1	126	153	175	195	211	223	234	244	252	260	266	272	277	281	282
55	0.80	15.8	40.3	72.3	107	133	155	174	190	203	214	224	232	238	244	247	250	252	252
60	1.40	17.8	40.2	70.3	100	123	143	160	175	187	198	207	214	220	223	224	224	223	222
65	0.93	10.1	29.3	52.3	77.9	98.9	115	131	145	156	166	176	183	189	193	195	195	194	195
70	1.27	10.6	26.3	45.0	64.9	81.7	93.8	109	120	129	138	148	155	161	164	165	165	166	166
75	1.03	4.40	17.2	30.1	43.8	56.8	67.1	77.7	88.2	96.5	104	111	118	123	127	129	130	131	132
80	1.18	2.90	13.2	20.9	28.0	36.5	44.1	51.0	59.6	66.8	72.6	77.9	83.3	87.6	90.7	93.0	95.1	96.5	97.0
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:220.12V I:1.0528A P:229.29W PF:0.9894 Freq:49.99Hz Lamp Flux:32623.9x1 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	104	101	97.4	94.3	90.0	84.3	77.8	70.9	63.4	54.4	46.4	37.7	28.0	19.6	11.3	2.80	0.81	0.54	
-75	139	137	135	132	128	121	114	104	95.6	85.9	74.1	62.5	50.6	36.4	22.8	10.1	1.50	0.62	
-70	173	172	171	168	163	156	146	134	124	113	96.7	82.7	67.5	47.6	29.2	12.4	1.28	0.53	
-65	204	204	204	201	197	189	180	169	157	144	128	111	93.0	70.2	45.2	22.4	3.87	0.61	
-60	235	236	235	233	227	219	210	198	185	170	153	133	110	82.9	51.4	23.4	2.84	0.53	
-55	267	265	262	258	251	243	233	221	208	193	175	154	130	103	67.3	34.9	7.75	0.62	
-50	299	294	288	280	272	262	251	239	225	210	190	167	141	109	68.9	34.7	5.56	0.54	
-45	387	368	344	320	301	285	270	255	240	225	206	183	156	125	83.3	44.9	11.9	0.64	
-40	469	433	390	351	323	302	283	266	250	233	213	189	161	126	80.5	42.1	8.61	0.56	
-35	837	761	654	536	426	350	309	284	263	245	226	202	175	142	94.4	52.4	16.7	0.66	
-30	1181	1049	871	674	493	377	323	293	270	251	230	205	176	141	89.6	48.6	12.0	0.58	
-25	1696	1538	1318	1057	785	547	387	317	285	261	241	216	188	155	102	58.5	21.2	0.68	
-20	2161	1948	1665	1331	974	637	412	326	290	264	242	216	187	152	94.3	53.2	15.1	0.61	
-15	2497	2289	2014	1671	1281	879	536	363	305	275	251	225	196	164	106	62.9	23.9	0.70	
-10	2761	2533	2236	1861	1427	967	561	367	307	275	250	223	194	158	97.2	56.6	17.3	0.64	
-5	2983	2755	2468	2098	1655	1166	696	411	320	284	258	231	201	168	109	65.3	25.2	0.73	
0	3120	2875	2565	2168	1693	1166	677	398	315	281	255	227	197	161	98.1	57.7	17.5	0.67	
5	3113	2871	2573	2191	1736	1230	737	422	321	284	258	232	202	169	110	65.8	25.4	0.76	
10	3017	2760	2440	2044	1581	1089	630	381	308	276	251	224	195	160	99.2	57.5	17.6	0.70	
15	2766	2534	2236	1868	1444	1002	604	377	305	274	251	226	197	165	109	64.1	24.4	0.78	
20	2434	2200	1895	1530	1128	743	452	328	287	262	241	216	188	154	97.5	54.4	15.9	0.73	
25	1986	1801	1547	1246	926	630	417	318	282	259	239	216	188	157	106	60.2	22.3	0.79	
30	1475	1309	1084	835	599	416	324	289	266	247	229	205	177	144	93.5	50.3	14.0	0.74	
35	1028	926	783	628	483	370	307	278	258	241	224	201	175	144	98.3	54.1	19.0	0.80	
40	547	490	421	359	315	291	275	258	243	229	211	188	161	128	83.8	43.2	10.6	0.76	
45	418	390	353	318	290	273	259	246	233	219	202	180	155	126	85.7	45.7	14.6	0.80	
50	280	276	270	264	256	248	239	229	217	203	185	163	139	109	70.2	34.9	7.22	0.77	
55	251	249	246	243	237	230	221	211	200	186	170	150	127	101	67.3	34.6	9.55	0.81	
60	222	222	221	219	215	208	200	189	177	163	147	129	106	81.0	50.1	23.6	3.42	0.79	
65	194	193	192	190	187	180	172	161	150	138	123	107	88.9	67.4	43.5	21.9	4.48	0.82	
70	165	163	162	160	156	149	140	129	119	108	92.4	78.4	63.3	44.3	27.6	12.6	1.29	0.80	
75	131	129	127	124	120	115	107	98.9	90.3	81.1	69.8	58.4	47.0	33.5	20.8	9.41	1.58	0.83	
80	95.8	93.4	90.5	87.2	83.0	77.6	71.6	65.1	58.3	50.2	42.3	34.1	25.4	17.3	9.17	2.15	0.90	0.83	
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: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: