

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	761.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	159.2V x 140.6H
	At 50% of Imax	38.5V x 120.5H
	At 90% of Imax	11.8V x 106.5H

Beam Flux	Total	998.6 lumens per klm.
	To 10% of Imax	882.5 lumens per klm.
	To 50% of Imax	534.2 lumens per klm.
	To 90% of Imax	51.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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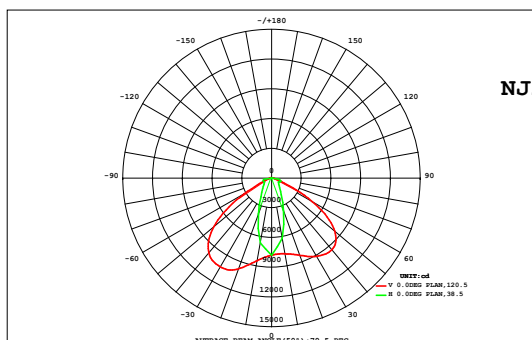
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:17 October 2019

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:219.87V I:0.4339A P:93.883W PF:0.9842 Freq:49.99Hz Lamp Flux:13583.8x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:144.69lm/W	
NJZ- <del>MODEL</del> 10-V01-RZ-32-PC-U-GR		Imax(cd)	10344
NOMINAL POWER(W)	100	AVAILABILITY(%)	88.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	11994
NOMINAL FLUX(lm)	13583.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	13584
TEST VOLTAGE(V)	220	θ @50%(H,V)	121,38DEG

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	0.10	0.81	2.28	4.37	6.92	9.83	14.6	23.5	31.5	30.3	20.9	13.0	8.94	6.21	3.72	1.79	0.53	0.04	179	35.6
70	0.15	1.30	3.71	6.98	10.5	13.6	17.1	21.9	26.7	25.8	20.6	16.4	13.2	10.0	6.38	3.19	1.01	0.09	199	0.00
60	0.22	1.90	5.70	10.8	15.7	19.7	23.0	25.6	27.0	26.9	25.4	22.8	19.5	15.3	10.1	4.99	1.54	0.14	256	0.00
50	0.29	2.56	8.42	16.8	23.8	28.9	32.4	34.6	36.0	36.2	35.3	33.2	29.5	23.7	15.9	7.36	2.10	0.19	367	274
40	0.34	3.14	12.2	28.1	40.2	45.9	49.0	51.1	52.5	53.5	53.7	52.6	49.3	41.4	26.8	10.4	2.56	0.24	573	551
30	0.38	3.63	17.8	51.1	77.4	86.5	87.6	87.2	88.0	91.3	96.9	101	97.9	82.0	48.7	14.5	2.90	0.27	1035	1020
20	0.40	4.04	25.0	84.8	137	159	160	155	155	162	178	190	181	144	79.2	19.5	3.13	0.28	1839	1827
10	0.41	4.25	30.5	110	184	222	230	224	223	232	253	268	245	189	100	22.8	3.26	0.29	2542	2530
0	0.40	4.23	30.9	111	186	222	228	222	220	229	249	263	240	184	96.9	22.0	3.21	0.29	2511	2499
-10	0.39	3.93	25.1	85.2	136	156	156	151	149	156	169	177	165	129	70.9	17.7	3.05	0.28	1751	1738
-20	0.36	3.49	17.7	51.7	75.1	78.1	76.7	76.7	77.8	80.2	84.0	85.6	82.8	69.2	40.6	12.5	2.75	0.25	915	899
-30	0.32	2.96	11.6	25.9	34.5	38.7	42.1	44.4	45.7	46.1	45.0	42.6	38.5	31.8	20.8	8.92	2.38	0.22	482	456
-40	0.28	2.41	7.87	15.0	20.9	25.7	29.1	31.3	32.6	32.7	31.4	28.9	24.9	19.5	13.0	6.30	1.88	0.17	324	151
-50	0.21	1.78	5.25	9.84	14.2	18.0	21.2	24.2	26.2	26.1	23.8	20.7	17.2	13.1	8.60	4.27	1.33	0.12	236	0.00
-60	0.14	1.18	3.34	6.24	9.46	12.3	15.6	20.3	25.5	25.4	20.0	15.0	11.6	8.66	5.38	2.66	0.83	0.06	184	0.00
-70	0.08	0.66	1.82	3.44	5.51	7.78	11.2	18.1	26.9	26.3	17.2	10.3	7.09	4.80	2.77	1.31	0.37	0.02	146	14.7
-80	0.02	0.15	0.41	0.77	1.28	2.13	3.89	7.00	9.40	8.61	5.47	2.84	1.48	0.78	0.40	0.14	0.02	0.00	44.8	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	4.50	42.4	209	622	979	1145	1197	1217	1253	1288	1330	1343	1233	972	551	160	32.8	2.95	13584	---
Φ a	0.00	0.32	145	556	892	1042	1072	1068	1093	1126	1183	1223	1132	887	485	88.3	0.00	0.00	---	11994

one-half-peak spread: U:18.5,D:20.4 , L:22.9,R:27.8

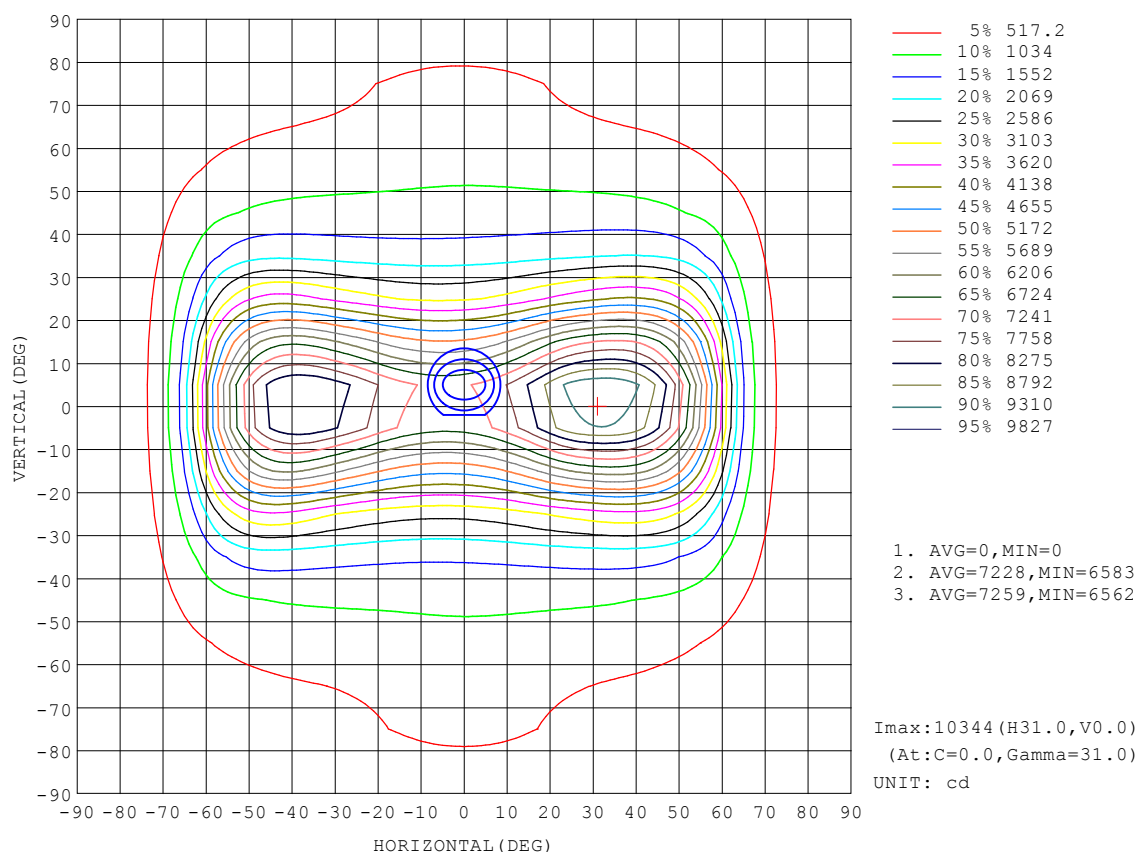
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:17 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:219.87V I:0.4339A P:93.883W PF:0.9842 Freq:49.99Hz Lamp Flux:13583.8x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

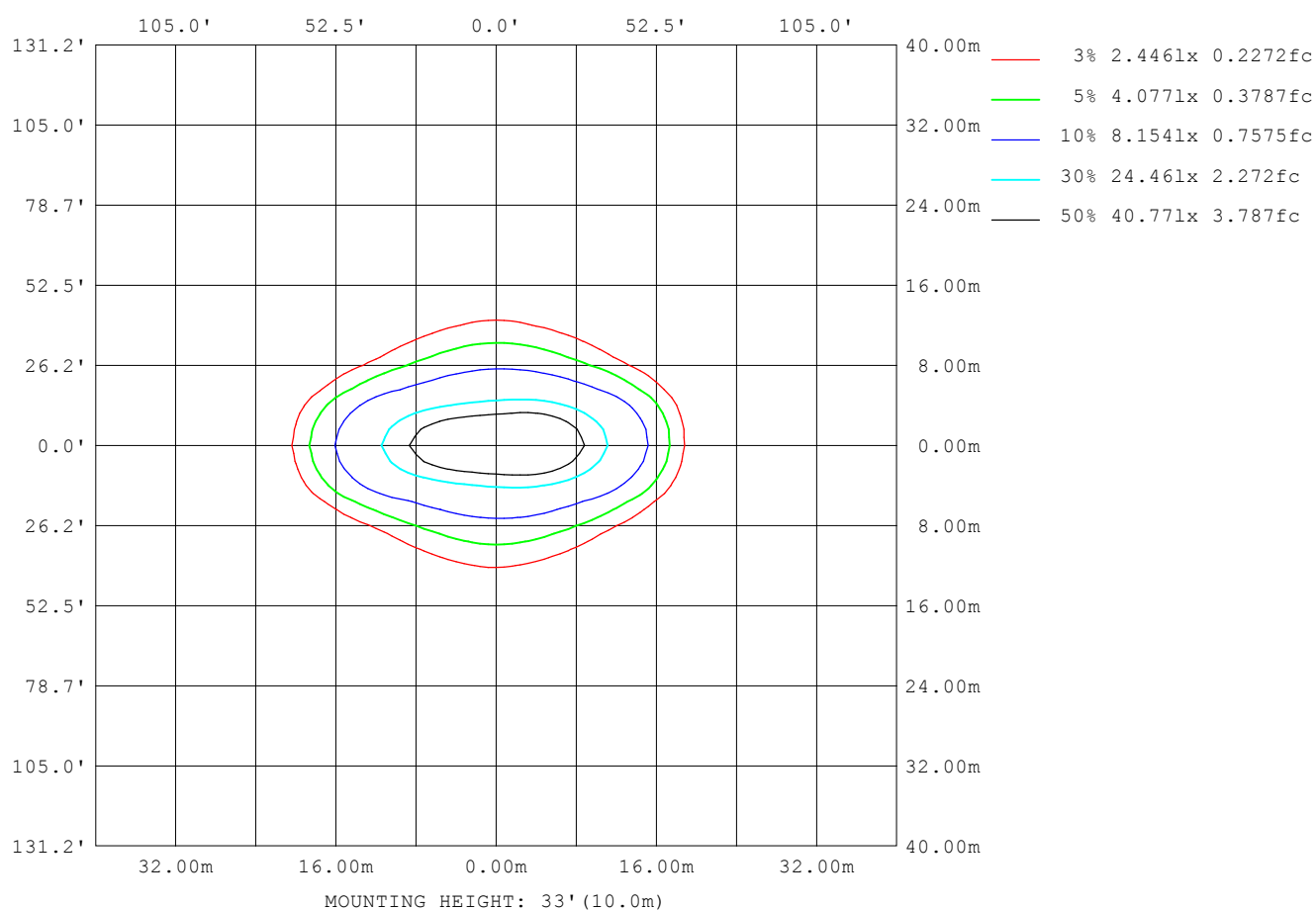


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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:17 October 2019

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V(B) Interval: 5.0DEG  
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Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

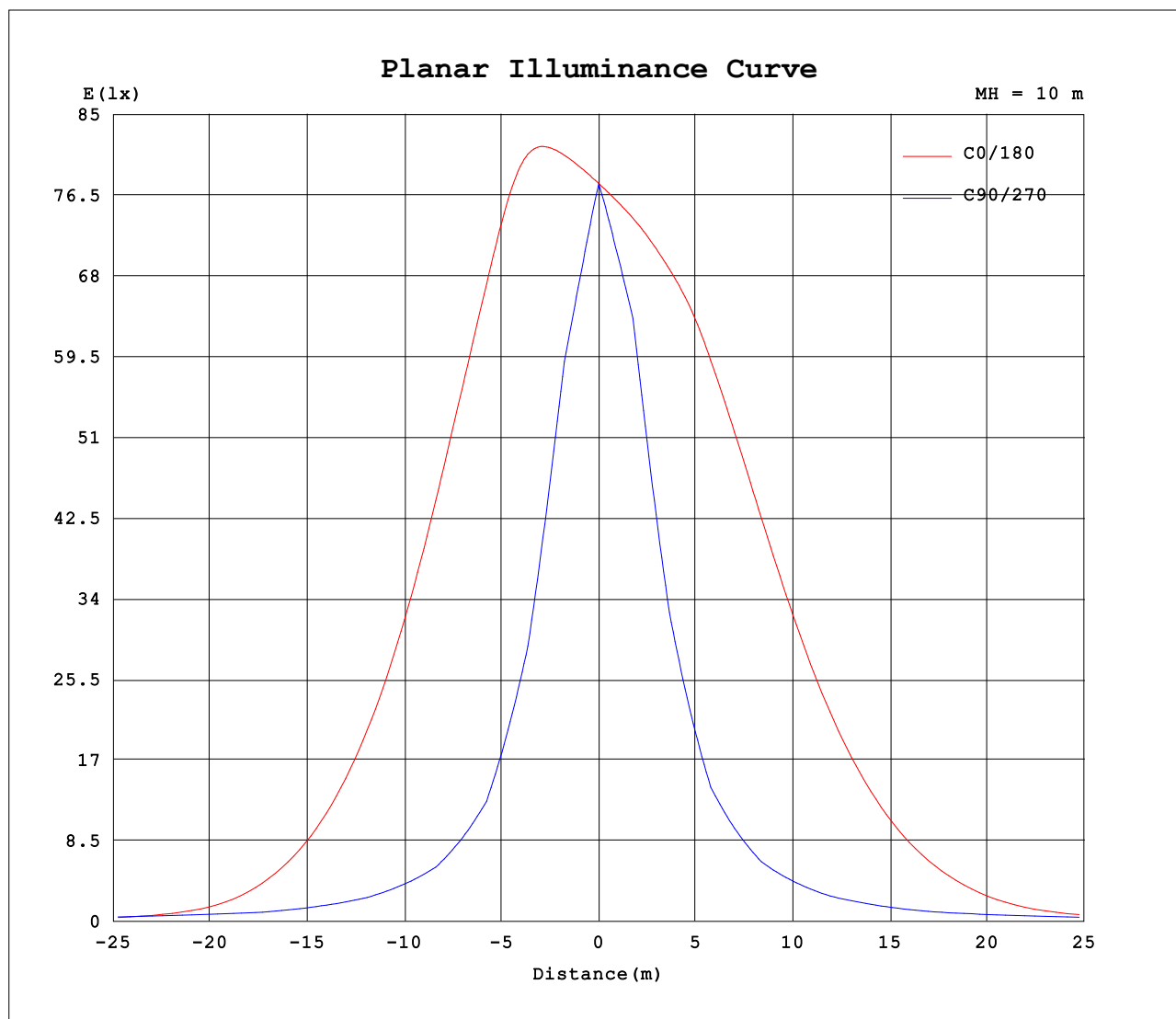
Test:U:219.87V I:0.4339A P:93.883W PF:0.9842 Freq:49.99Hz Lamp Flux:13583.8x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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Test Speed: HIGH  
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Test Date:17 October 2019

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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



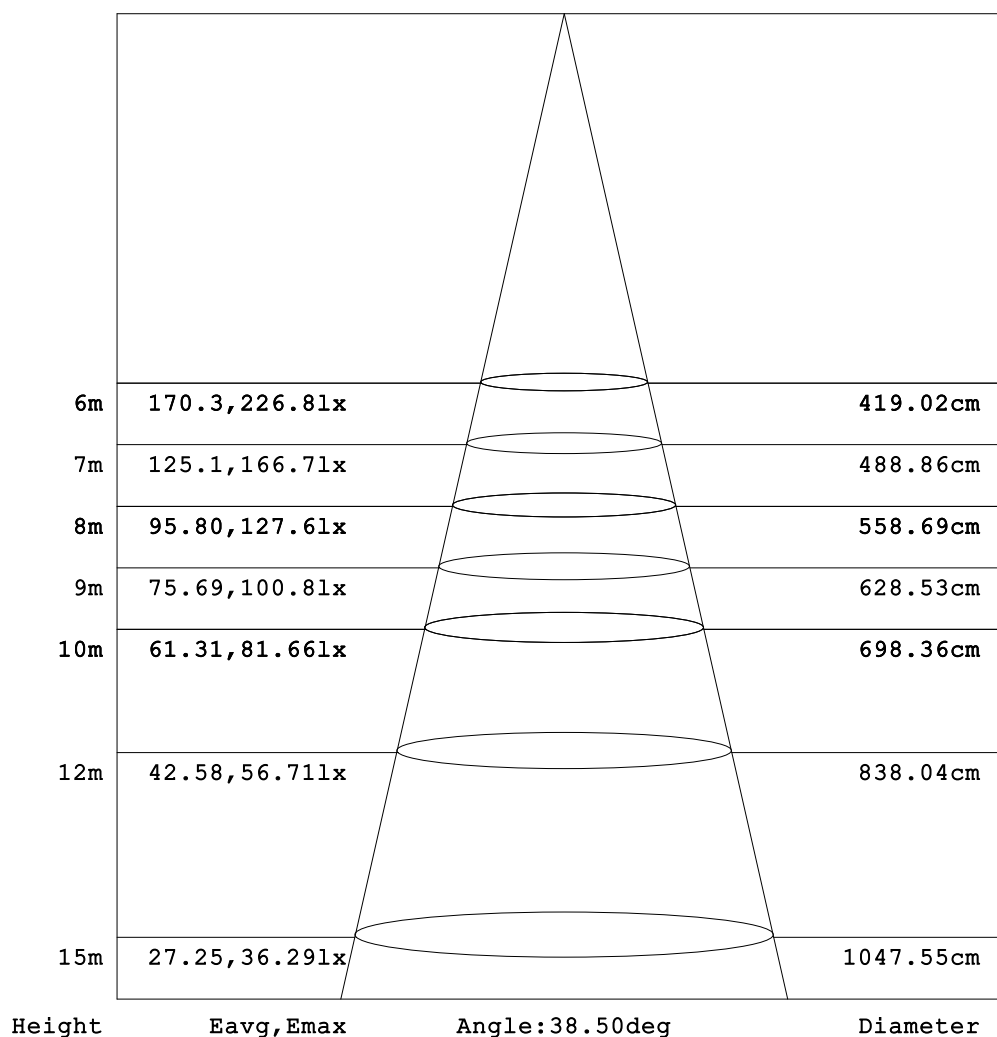
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 Remarks:

### AAI Figure

Test:U:219.87V I:0.4339A P:93.883W PF:0.9842 Freq:49.99Hz Lamp Flux:13583.8x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:2415 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: 17 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:219.87V I:0.4339A P:93.883W PF:0.9842 Freq:49.99Hz Lamp Flux:13583.8x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	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	0.28	1.38	3.33	5.10	6.86	8.77	10.6	12.3	14.2	16.3	18.6	21.4	25.6	31.6	40.0	51.1	62.4	69.6	70.9
-75	0.24	1.46	4.77	7.69	10.7	13.8	16.7	19.5	22.3	25.3	28.0	30.7	34.2	39.3	46.8	58.0	71.8	83.3	87.2
-70	0.28	2.97	7.34	11.5	15.7	20.0	24.1	27.8	31.7	35.5	38.5	41.1	44.5	49.6	57.5	70.1	86.7	99.8	103
-65	0.24	2.67	8.44	13.8	19.4	25.4	31.0	35.9	40.6	44.6	47.7	50.1	52.9	56.9	62.4	70.2	80.2	89.0	92.2
-60	0.30	5.01	11.6	18.3	25.6	33.2	40.0	46.0	51.3	55.1	57.9	60.2	62.8	66.1	70.0	74.1	77.8	80.5	81.1
-55	0.24	4.15	12.2	20.4	29.7	39.8	49.5	57.6	63.6	67.8	71.0	73.6	75.9	78.3	80.9	83.7	86.4	88.3	89.0
-50	0.31	7.01	16.0	26.0	37.8	50.5	62.5	72.0	77.8	82.0	85.3	88.1	90.1	91.5	92.9	94.5	95.9	96.7	96.8
-45	0.24	5.78	15.9	27.2	41.3	58.8	76.8	91.0	99.5	104	107	109	110	110	111	111	112	112	112
-40	0.34	8.90	20.0	33.3	51.3	74.5	97.7	114	124	128	130	130	130	129	129	128	128	128	128
-35	0.25	7.09	18.8	32.8	53.1	83.8	123	157	175	179	177	173	170	167	164	163	161	161	162
-30	0.36	10.1	22.6	38.9	65.6	107	164	210	230	230	223	215	209	203	199	197	195	195	196
-25	0.28	8.15	20.8	37.2	65.5	117	205	290	340	356	348	330	311	297	285	277	272	270	272
-20	0.40	11.1	24.8	44.2	81.9	156	285	396	462	481	467	436	407	385	367	355	348	346	350
-15	0.32	9.00	22.3	40.7	77.3	156	313	464	568	619	627	609	579	550	521	498	484	479	482
-10	0.43	11.7	26.0	47.7	95.2	207	408	584	703	765	783	770	739	703	665	635	617	611	618
-5	0.36	9.38	23.2	43.0	85.6	186	396	599	746	830	862	858	831	796	754	720	699	690	695
0	0.46	12.1	26.9	50.0	103	235	472	684	832	915	945	938	910	872	829	796	776	769	778
5	0.39	9.50	23.4	43.5	86.9	189	400	605	754	840	875	873	850	816	776	742	721	713	719
10	0.50	12.0	26.6	49.0	98.3	213	416	596	720	787	809	802	777	745	707	678	661	656	665
15	0.40	9.31	23.0	42.2	80.7	163	322	477	586	643	660	650	624	597	567	541	526	521	527
20	0.54	11.7	25.9	46.4	86.5	166	296	410	483	512	511	489	461	437	414	397	388	386	393
25	0.42	8.69	21.9	39.3	69.7	125	215	301	357	381	381	368	350	334	320	309	303	301	304
30	0.55	10.8	24.0	41.4	70.4	115	173	220	246	252	247	239	232	226	221	218	216	217	219
35	0.45	7.86	20.0	35.0	57.1	90.0	131	166	187	195	195	191	187	183	181	179	178	178	179
40	0.57	9.60	21.5	35.9	55.4	80.5	105	123	134	139	141	141	141	140	140	139	139	140	141
45	0.48	6.53	17.1	29.3	44.7	63.7	83.1	98.1	108	113	116	118	119	119	119	120	120	121	121
50	0.57	7.62	17.2	28.2	41.1	54.8	68.1	77.7	84.0	88.8	92.5	95.3	97.1	98.2	99.3	100	102	102	103
55	0.51	4.71	13.3	22.3	32.5	43.5	54.0	62.6	68.9	73.5	77.0	79.8	82.1	84.2	86.4	88.8	90.9	92.4	92.9
60	0.58	5.72	12.7	20.2	28.3	36.5	43.7	50.4	55.9	59.8	62.8	65.3	68.0	71.1	74.5	78.0	80.9	82.8	83.0
65	0.53	3.05	9.38	15.4	21.8	28.3	34.3	39.8	44.8	48.7	51.7	54.4	57.4	61.4	66.6	73.1	80.4	86.3	88.0
70	0.58	3.39	8.35	13.0	17.9	22.6	27.2	31.3	35.4	38.9	41.8	44.6	48.3	53.6	61.0	71.1	82.7	91.3	92.5
75	0.55	1.72	5.54	9.00	12.5	16.1	19.5	22.8	26.1	29.1	31.9	34.7	38.6	44.4	52.7	64.5	77.1	85.7	87.8
80	0.57	1.66	4.10	6.36	8.66	10.9	13.2	15.5	18.0	20.5	23.1	26.2	30.8	38.1	48.5	63.2	75.8	81.9	82.4
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

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H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:17 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

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NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	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	65.9	55.8	43.7	33.2	25.9	20.8	17.2	14.5	12.3	10.3	8.44	6.67	4.92	3.22	1.65	0.57	0.42	0.26	
-75	82.8	71.6	57.0	45.1	37.2	31.9	28.3	25.4	22.5	19.3	16.3	13.5	10.5	7.58	4.77	2.26	0.58	0.30	
-70	96.2	81.6	65.0	53.2	46.1	41.4	38.1	35.2	31.6	27.1	23.0	19.1	14.9	10.8	6.82	3.14	0.49	0.27	
-65	89.1	80.8	70.3	61.6	55.6	51.2	48.0	45.2	41.7	37.1	32.0	26.9	21.4	15.9	10.6	5.67	1.35	0.31	
-60	79.4	75.9	71.6	67.3	63.2	59.6	56.7	53.9	50.1	45.0	38.9	32.7	25.7	18.9	12.4	6.32	1.07	0.28	
-55	88.2	86.0	83.1	79.9	76.9	74.0	71.1	67.8	63.8	58.6	51.7	43.3	34.3	25.3	16.9	9.38	2.72	0.31	
-50	96.3	95.1	93.3	91.3	89.4	87.3	84.3	80.3	75.6	69.6	61.2	50.4	39.3	28.2	18.3	9.62	2.09	0.30	
-45	112	112	112	111	110	109	107	103	98.0	90.7	80.5	66.5	50.8	35.8	23.5	13.1	4.19	0.31	
-40	129	129	130	130	130	130	128	124	118	108	94.8	76.5	55.8	38.1	24.3	12.7	3.10	0.31	
-35	163	165	167	170	172	173	174	173	167	155	134	103	71.7	46.7	29.5	16.5	5.59	0.32	
-30	198	201	206	210	214	218	221	220	213	195	163	117	76.2	47.3	29.0	15.6	4.23	0.33	
-25	277	287	299	314	326	337	346	346	334	303	247	169	97.7	56.9	33.7	18.8	6.67	0.34	
-20	360	376	399	423	443	461	472	470	446	393	303	187	99.2	54.8	31.8	16.9	4.85	0.36	
-15	495	519	553	592	623	641	647	636	599	527	413	265	129	66.2	36.6	20.2	7.35	0.36	
-10	638	674	723	775	812	825	821	793	729	623	468	279	124	61.7	33.8	18.0	5.37	0.38	
-5	715	751	802	863	911	929	927	899	833	720	555	347	154	72.4	38.2	20.9	7.70	0.38	
0	803	845	906	974	1022	1034	1027	987	900	760	563	327	136	64.5	34.3	18.1	5.43	0.40	
5	740	777	831	896	947	966	965	938	869	751	579	361	158	73.5	38.4	20.9	7.71	0.39	
10	689	728	782	842	884	899	897	868	799	683	511	302	130	63.4	34.1	18.1	5.42	0.41	
15	544	573	614	662	700	724	733	722	679	596	465	296	139	69.0	37.3	20.4	7.45	0.41	
20	408	432	465	500	528	554	569	565	533	466	356	217	108	57.4	32.5	17.2	5.01	0.43	
25	313	327	346	367	386	404	417	419	404	365	295	198	108	60.4	34.9	19.3	6.92	0.42	
30	222	228	235	243	251	260	268	270	263	241	199	137	84.2	50.2	30.2	16.1	4.56	0.44	
35	181	185	189	193	198	203	207	208	203	189	162	122	80.3	50.5	31.3	17.5	6.07	0.44	
40	142	143	144	145	146	147	147	145	139	128	112	88.2	62.7	41.6	26.3	13.9	3.69	0.45	
45	122	122	122	122	123	122	121	119	114	106	94.4	77.2	57.7	39.9	26.0	14.5	4.87	0.46	
50	102	102	101	99.9	98.9	97.4	94.9	91.2	86.4	80.1	71.3	58.5	45.0	32.1	20.7	10.9	2.60	0.47	
55	92.3	90.7	88.6	86.3	84.2	82.1	79.7	76.6	72.6	67.2	59.7	50.1	39.5	28.9	19.3	10.8	3.38	0.48	
60	81.5	78.8	75.4	72.0	68.7	65.9	63.4	60.7	56.9	51.6	44.7	37.6	29.7	21.7	14.3	7.49	1.44	0.48	
65	84.8	78.1	70.8	64.6	59.8	56.2	53.3	50.6	47.2	42.6	37.1	31.3	25.1	18.7	12.6	6.91	1.87	0.49	
70	85.7	74.5	63.5	55.2	49.4	45.2	42.2	39.4	35.9	31.5	27.2	22.7	18.0	13.1	8.52	4.19	0.74	0.50	
75	83.1	72.7	59.9	48.9	41.5	36.3	32.8	30.0	27.1	23.7	20.2	16.9	13.4	9.82	6.43	3.25	0.88	0.51	
80	77.1	66.0	51.3	39.2	31.3	25.7	22.1	19.5	17.0	14.4	12.0	9.69	7.37	5.11	3.01	1.15	0.55	0.52	
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:17 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: