

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	542.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	127.7V x 130.3H
	At 50% of Imax	84.3V x 83.6H
	At 90% of Imax	47.2V x 46.7H

Beam Flux	Total	998.9 lumens per klm.
	To 10% of Imax	935.3 lumens per klm.
	To 50% of Imax	689.9 lumens per klm.
	To 90% of Imax	266.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

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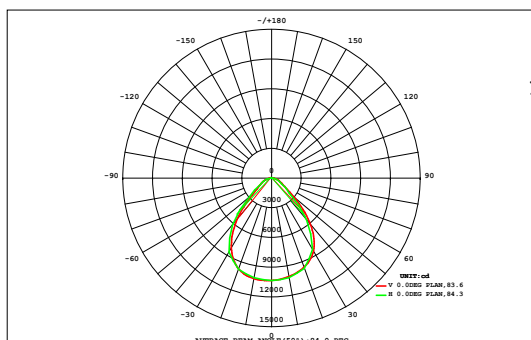
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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:219.85V I:0.6498A P:140.67W PF:0.9846 Freq:49.99Hz Lamp Flux:19108.1x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:135.84lm/W	
NJZMODEL150-V01-RZ-90-PC-GR		Imax(cd)	10358
NOMINAL POWER(W)	150	AVAILABILITY(%)	93.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	17864
NOMINAL FLUX(lm)	19108.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	19108
TEST VOLTAGE(V)	220	θ @50%(H,V)	84,84DEG

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	174	0.00
80	0.10	1.10	3.29	6.16	9.70	13.1	16.1	18.4	19.6	19.6	18.5	16.3	13.2	9.58	5.94	2.89	0.80	0.05	282	88.0
70	0.20	1.96	5.50	10.1	15.2	20.6	25.6	29.1	31.0	31.2	29.8	26.4	21.4	15.8	10.3	5.44	1.70	0.13	464	389
60	0.31	2.83	7.70	14.1	21.9	31.2	42.0	52.5	58.9	58.5	51.8	41.7	31.7	22.8	14.9	7.99	2.64	0.22	855	811
50	0.41	3.49	9.40	17.8	30.1	51.0	81.7	112	129	127	107	75.7	47.8	29.9	18.6	9.87	3.37	0.31	1465	1434
40	0.49	4.02	10.9	21.7	43.5	90.8	153	201	225	223	194	140	79.8	39.9	22.1	11.4	3.93	0.39	1963	1938
30	0.55	4.40	12.1	26.1	64.4	140	213	260	282	282	257	201	124	55.2	25.5	12.7	4.36	0.45	2237	2214
	0.58	4.67	13.0	30.4	85.6	172	243	283	303	305	286	235	156	71.9	28.6	13.5	4.64	0.49	2345	2324
	0.60	4.77	13.4	33.2	96.7	185	251	290	310	313	296	249	170	81.9	30.5	13.9	4.78	0.51	2329	2308
	0.60	4.75	13.4	32.9	95.3	183	249	288	309	312	295	247	169	80.7	30.2	13.8	4.74	0.50	2188	2165
	0.57	4.55	12.7	29.4	81.6	165	235	278	300	302	282	230	151	69.3	28.0	13.3	4.59	0.48	1881	1854
	0.52	4.26	11.8	24.9	60.3	131	202	250	273	273	248	192	116	51.9	24.6	12.3	4.26	0.43	1366	1333
-30	0.45	3.81	10.5	20.5	39.2	83.0	141	188	212	210	181	130	73.0	36.8	21.2	11.0	3.80	0.37	769	720
-40	0.37	3.28	8.98	16.9	27.1	43.5	72.0	102	118	116	95.6	65.9	41.0	27.6	17.6	9.33	3.18	0.28	379	269
-50	0.28	2.59	7.20	13.2	20.3	27.2	33.2	39.7	44.4	44.0	39.4	34.1	28.3	21.1	13.8	7.32	2.41	0.19	248	16.5
-60	0.18	1.77	5.06	9.29	14.0	18.7	22.8	25.1	25.9	26.2	25.9	23.6	19.2	14.2	9.26	4.80	1.47	0.10	137	0.00
-70	0.08	0.86	2.58	4.93	7.67	10.3	12.8	14.5	15.4	15.4	14.5	12.8	10.2	7.38	4.44	2.11	0.56	0.03	26.7	0.00
-80	0.01	0.13	0.44	0.94	1.51	2.04	2.61	3.11	3.38	3.33	2.96	2.39	1.73	1.17	0.64	0.23	0.04	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
Φ t	6.30	53.2	148	313	714	1368	1996	2435	2661	2663	2423	1924	1253	637	306	152	51.3	4.94	19108	---
Φ a	0.00	0.00	33.7	227	637	1292	1920	2359	2584	2586	2349	1853	1183	566	228	45.1	0.00	0.00	---	17864

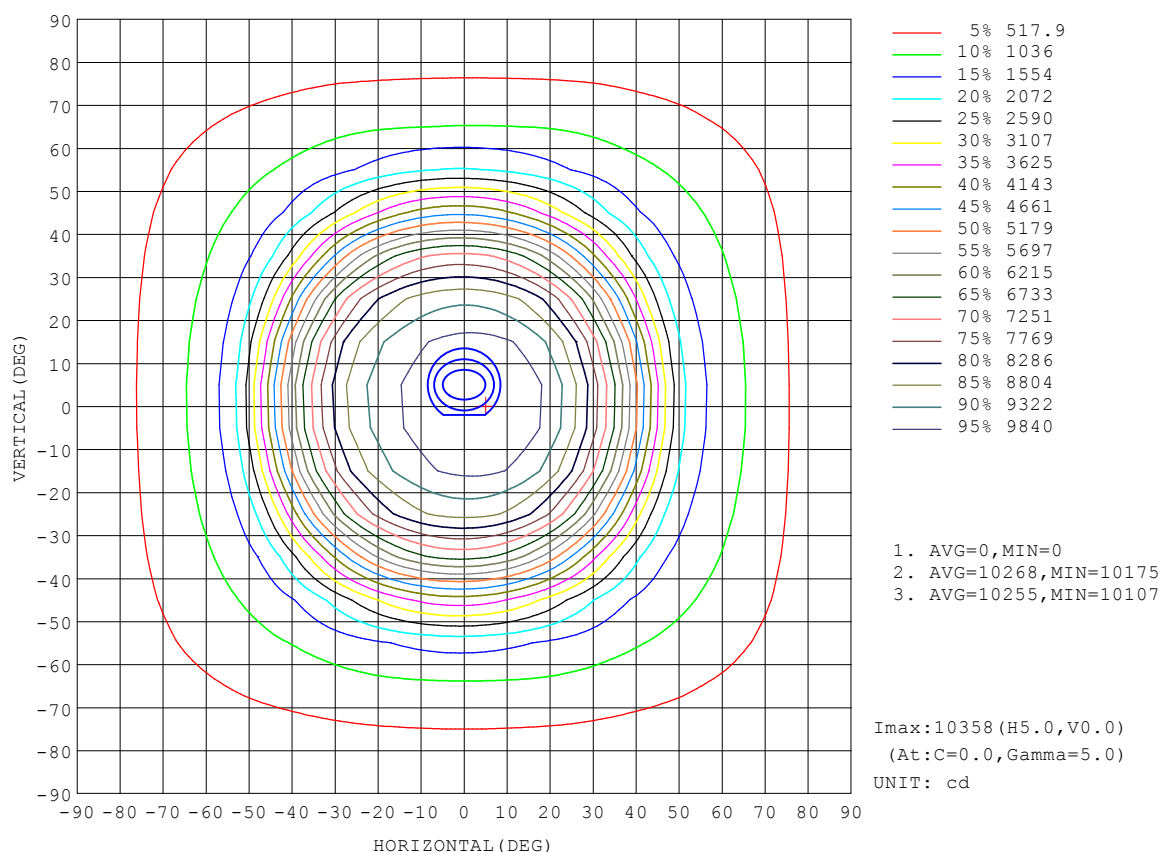
one-half-peak spread: U:41.3,D:43.4 , L:48.1,R:35.8 Beam Type: Type 7 x 6 (H x V)

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:219.85V I:0.6498A P:140.67W PF:0.9846 Freq:49.99Hz Lamp Flux:19108.1x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

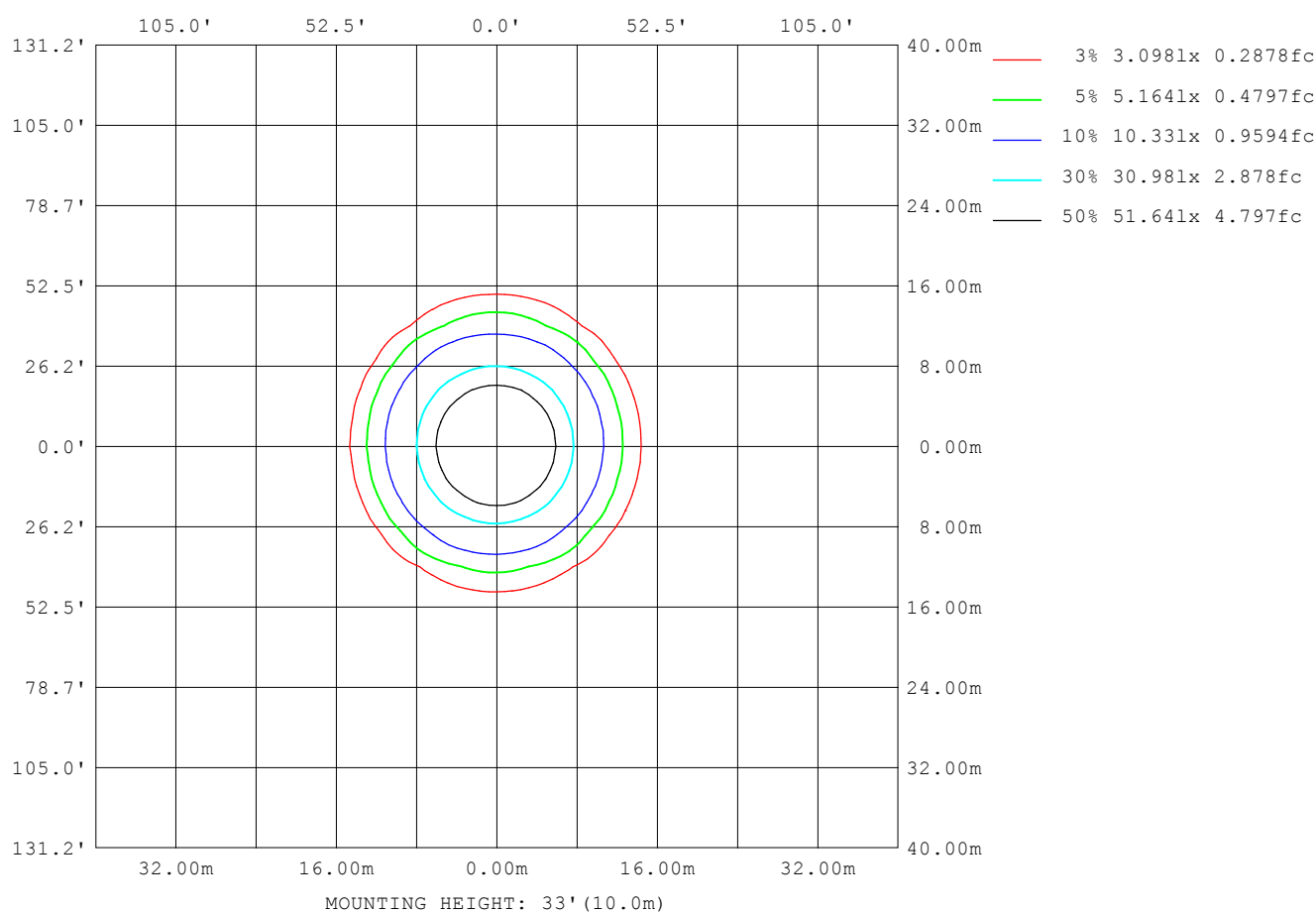


H( $\beta$ ) Range:-90 - 90DEG  
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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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

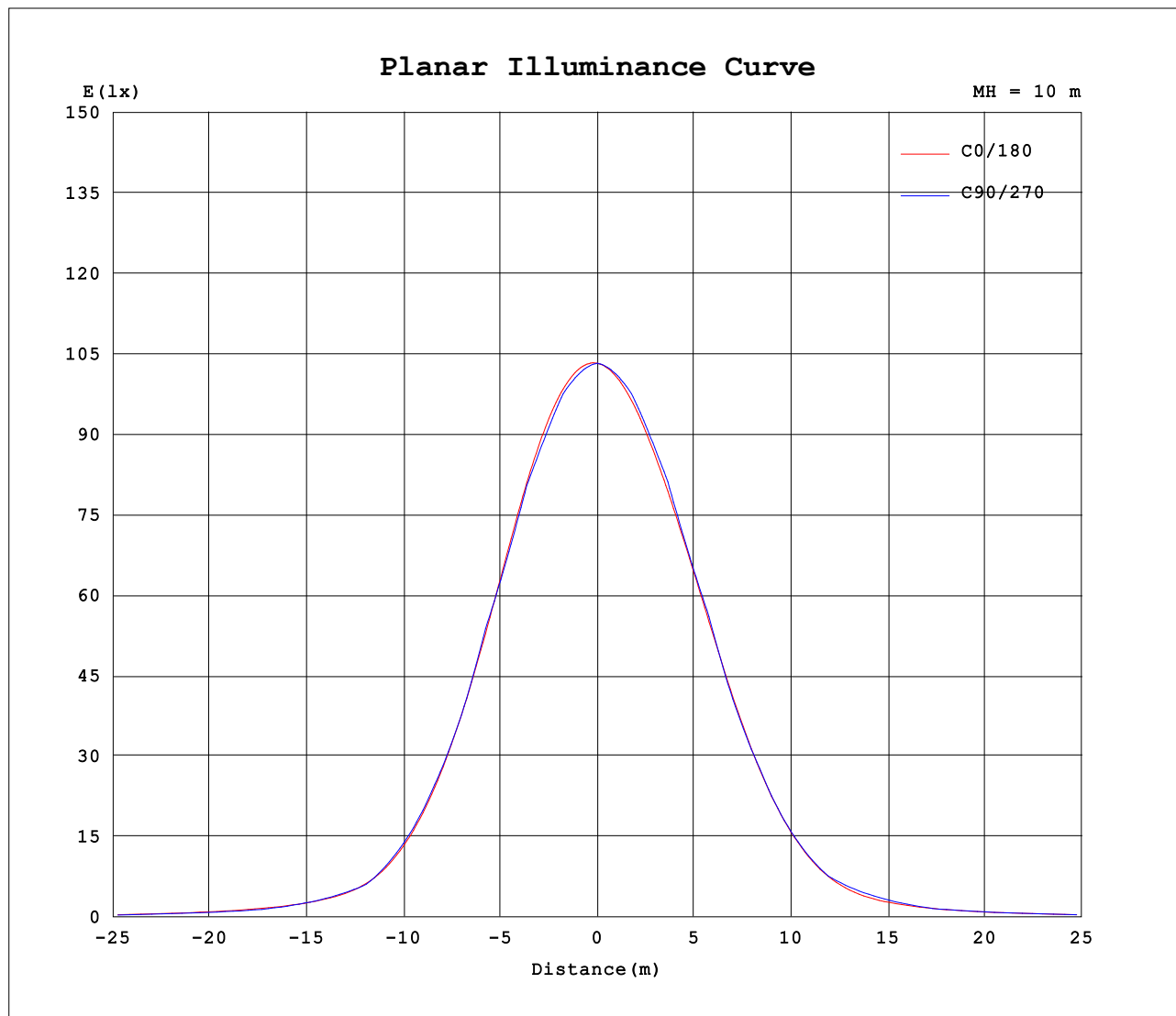
Test:U:219.85V I:0.6498A P:140.67W PF:0.9846 Freq:49.99Hz Lamp Flux:19108.1x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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



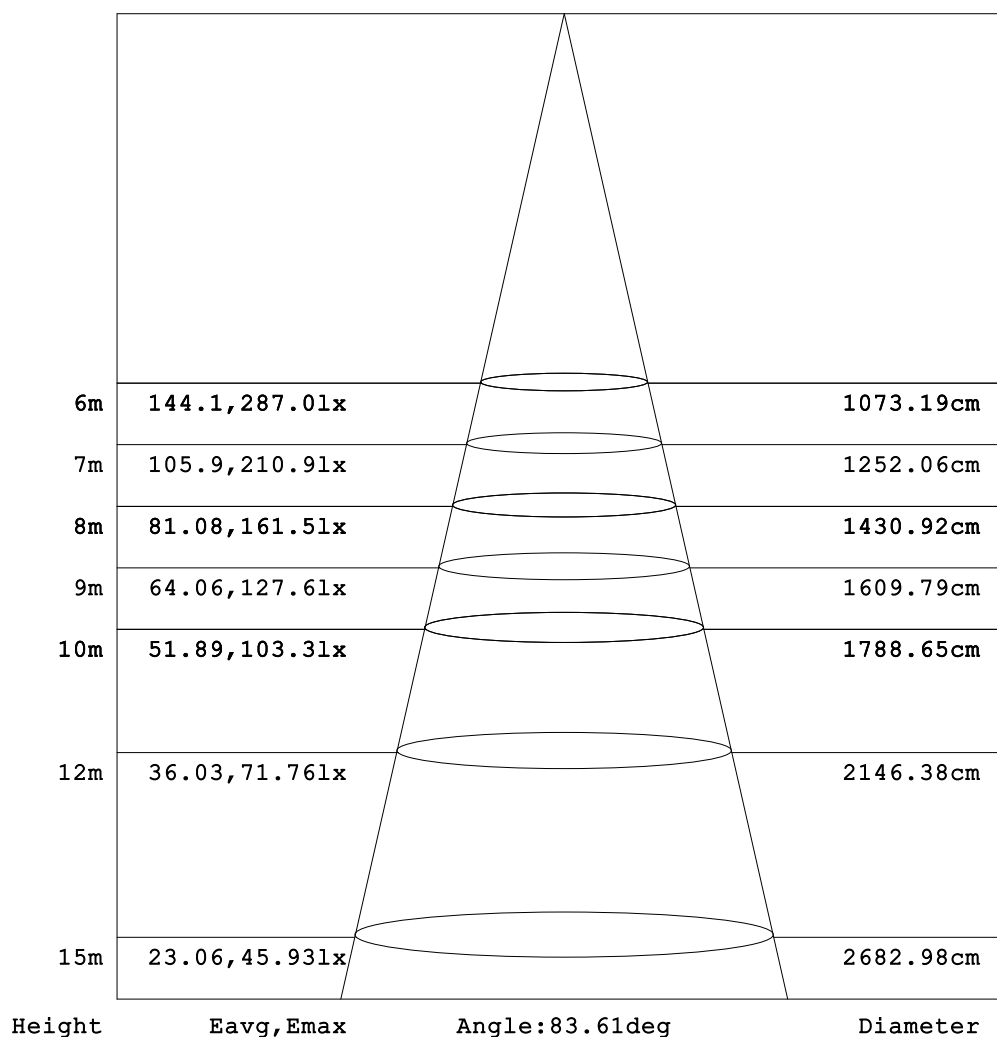
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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:219.85V I:0.6498A P:140.67W PF:0.9846 Freq:49.99Hz Lamp Flux:19108.1x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:13216 lm



**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.85V I:0.6498A P:140.67W PF:0.9846 Freq:49.99Hz Lamp Flux:19108.1x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	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	0.26	0.76	2.87	5.66	8.39	11.1	13.9	16.6	19.0	21.4	23.0	24.8	26.5	28.2	29.6	30.8	31.7	32.1	32.2
-75	0.26	1.54	5.90	10.5	15.3	20.1	24.2	28.2	32.4	35.8	38.7	41.7	44.4	46.8	48.7	50.0	51.0	51.7	52.0
-70	0.27	2.32	8.93	15.4	22.2	29.1	34.5	39.8	45.8	50.2	54.3	58.5	62.3	65.4	67.7	69.2	70.3	71.3	71.8
-65	0.27	3.71	12.2	21.1	30.2	38.5	45.7	52.4	59.2	65.0	70.6	76.1	81.2	85.7	89.1	91.4	92.9	93.9	94.4
-60	0.28	5.09	15.5	26.8	38.1	48.0	56.9	65.0	72.6	79.9	86.9	93.7	100	106	111	114	115	116	117
-55	0.29	6.43	18.3	31.2	44.2	55.2	65.6	75.5	85.2	95.0	105	115	126	137	149	159	168	173	174
-50	0.30	7.77	21.1	35.7	50.3	62.4	74.2	86.0	97.7	110	123	137	152	169	187	205	220	229	231
-45	0.31	9.24	23.7	39.5	55.4	68.7	82.1	96.0	111	129	152	184	225	269	311	346	372	387	391
-40	0.32	10.7	26.2	43.4	60.4	75.0	90.0	106	125	148	181	231	298	369	435	488	525	546	550
-35	0.34	11.8	28.1	46.2	64.3	80.1	97.0	116	142	181	245	328	418	503	573	627	664	684	689
-30	0.36	12.8	30.0	49.0	68.2	85.3	104	127	159	215	309	426	539	636	712	766	802	822	827
-25	0.38	13.7	31.5	51.7	71.4	89.6	111	138	184	269	389	516	631	723	792	841	873	892	898
-20	0.41	14.6	33.1	54.4	74.6	93.9	117	150	209	323	468	607	722	810	872	915	945	962	969
-15	0.43	15.1	33.9	55.9	76.6	96.7	122	159	234	366	519	657	768	848	904	943	970	987	995
-10	0.45	15.5	34.7	57.4	78.5	99.5	127	169	260	410	570	708	813	887	936	971	996	1012	1021
-5	0.48	15.8	35.2	58.4	79.6	101	129	175	274	430	591	728	831	901	947	979	1002	1018	1027
0	0.50	16.2	35.7	59.5	80.6	102	132	181	287	450	612	748	848	915	957	987	1009	1024	1033
5	0.52	16.0	35.5	59.0	80.1	102	130	177	279	438	600	737	840	909	952	982	1004	1018	1027
10	0.54	15.8	35.3	58.5	79.5	101	129	174	271	426	587	726	832	903	947	977	999	1013	1022
15	0.55	15.5	34.7	57.3	77.9	98.4	125	166	247	387	543	683	794	872	922	955	978	993	1000
20	0.57	15.1	34.1	56.2	76.3	96.0	121	157	224	349	499	641	756	841	896	933	958	972	979
25	0.58	14.4	32.8	53.9	73.4	92.1	114	145	198	294	423	556	673	763	827	870	899	915	921
30	0.60	13.6	31.5	51.5	70.6	88.2	108	134	171	240	347	472	589	686	758	808	840	857	863
35	0.61	12.6	29.8	48.9	66.9	83.1	101	122	152	201	277	372	470	558	629	681	716	735	740
40	0.62	11.7	28.1	46.2	63.1	78.1	93.8	111	133	162	206	271	351	430	500	555	593	613	617
45	0.63	10.4	25.6	42.5	58.3	71.9	86.0	101	118	140	170	211	262	314	363	404	433	450	453
50	0.64	9.16	23.2	38.7	53.5	65.8	78.2	90.6	103	118	134	152	173	198	226	252	274	287	290
55	0.64	7.44	20.3	34.2	47.5	58.7	69.5	80.0	90.6	102	114	127	141	157	174	189	201	208	210
60	0.64	5.72	17.4	29.7	41.4	51.7	60.8	69.4	77.7	85.8	93.7	101	109	116	121	125	128	130	130
65	0.65	4.20	14.0	23.9	33.7	42.6	50.0	57.6	64.4	70.8	77.0	83.2	88.9	93.8	97.7	101	103	104	105
70	0.65	2.68	10.5	18.1	26.0	33.4	39.1	45.9	51.1	55.7	60.3	64.9	68.8	72.1	74.6	76.2	77.5	78.6	79.1
75	0.64	1.88	7.20	12.8	18.6	24.1	28.4	33.1	37.7	41.7	45.2	48.6	51.5	54.0	56.0	57.5	58.7	59.5	59.8
80	0.64	1.08	3.90	7.42	11.1	14.8	17.7	20.3	24.3	27.7	30.1	32.3	34.2	35.9	37.4	38.8	39.8	40.3	40.5
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: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

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SPEC.:150W	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	32.0	31.2	30.1	28.8	27.2	25.1	22.9	20.8	18.8	16.1	13.5	10.6	7.73	5.01	2.55	0.97	0.47	0.27	
-75	51.7	51.0	50.1	48.8	46.8	44.2	41.1	37.7	34.4	30.5	25.6	21.4	16.6	11.6	7.01	3.16	0.66	0.27	
-70	71.5	70.8	70.0	68.7	66.5	63.4	59.3	54.6	49.9	44.8	37.6	32.1	25.5	18.2	11.5	5.36	0.85	0.27	
-65	94.3	93.8	92.8	90.8	87.6	83.1	77.8	72.0	66.0	59.6	52.1	44.9	36.3	27.2	17.3	8.35	1.48	0.27	
-60	117	117	116	113	109	103	96.3	89.3	82.0	74.4	66.5	57.6	47.0	36.2	23.2	11.3	2.12	0.27	
-55	171	165	157	147	137	127	117	108	97.8	88.2	78.3	67.6	55.8	43.6	28.6	14.5	3.23	0.27	
-50	225	213	198	181	166	151	138	126	114	102	90.1	77.5	64.5	51.0	33.9	17.7	4.34	0.28	
-45	382	361	329	291	249	208	174	149	130	115	100	86.0	71.4	56.6	38.0	20.3	5.51	0.28	
-40	538	508	461	401	333	265	209	171	146	127	110	94.4	78.2	62.2	42.0	22.9	6.69	0.29	
-35	679	651	605	541	463	375	290	219	170	141	120	102	84.0	66.8	45.3	25.1	7.76	0.29	
-30	819	794	749	682	593	486	372	266	194	155	130	109	89.7	71.4	48.5	27.4	8.84	0.30	
-25	893	872	833	773	687	580	457	333	232	171	138	115	93.9	74.6	50.4	28.8	9.53	0.31	
-20	966	950	918	863	782	673	543	400	269	187	147	120	98.1	77.8	52.3	30.2	10.2	0.31	
-15	994	982	954	906	830	726	597	451	307	204	155	125	101	80.2	54.0	31.2	10.8	0.32	
-10	1023	1014	991	949	878	779	652	502	345	222	162	129	104	82.5	55.7	32.3	11.4	0.33	
-5	1029	1022	1002	962	894	796	670	520	361	230	165	131	105	83.4	56.1	32.6	11.6	0.34	
0	1036	1031	1013	975	909	813	688	538	377	238	169	132	106	84.3	56.5	32.9	11.7	0.35	
5	1030	1023	1005	966	899	802	676	527	367	234	167	132	106	84.0	56.2	32.8	11.7	0.36	
10	1023	1016	997	957	889	791	664	515	357	229	165	131	105	83.6	56.0	32.8	11.7	0.37	
15	999	989	965	920	847	745	617	471	323	213	159	127	103	81.8	54.3	32.0	11.2	0.38	
20	976	962	933	883	805	699	570	426	289	196	152	123	100	79.9	52.6	31.1	10.7	0.39	
25	915	897	862	805	722	616	492	362	250	180	143	118	96.6	76.9	50.9	29.9	10.1	0.40	
30	854	832	791	727	640	532	413	298	211	163	135	112	92.7	74.0	49.3	28.6	9.51	0.41	
35	730	704	660	596	515	422	327	243	183	148	125	105	87.3	69.7	46.4	26.6	8.54	0.42	
40	605	576	529	465	390	311	240	188	156	134	115	98.6	82.0	65.4	43.5	24.5	7.57	0.43	
45	444	420	385	340	290	240	195	161	138	121	105	90.5	75.5	60.0	39.9	22.0	6.53	0.44	
50	282	265	242	216	190	168	150	135	121	108	95.5	82.4	69.0	54.6	36.2	19.6	5.49	0.45	
55	206	197	185	170	154	140	128	116	105	95.0	84.3	72.9	60.9	47.6	31.3	16.5	4.00	0.46	
60	130	130	127	124	119	112	105	97.8	90.1	81.9	73.0	63.4	52.9	40.6	26.3	13.4	2.50	0.47	
65	105	104	103	100	96.7	91.8	86.0	79.9	73.7	67.1	59.1	50.9	42.3	31.8	20.4	10.3	1.78	0.48	
70	79.0	78.7	78.2	76.9	74.6	71.3	66.9	62.1	57.3	52.4	45.1	38.3	31.7	23.0	14.5	7.11	1.05	0.49	
75	59.6	59.1	58.4	57.1	55.1	52.6	49.3	45.6	41.8	37.5	32.2	27.0	21.7	15.6	9.53	4.37	0.84	0.50	
80	40.2	39.5	38.5	37.3	35.7	33.9	31.7	29.1	26.3	22.7	19.3	15.6	11.8	8.12	4.55	1.63	0.63	0.51	
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: