

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1461.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	80.3V x 81.2H
	At 50% of Imax	34.5V x 35.4H
	At 90% of Imax	10.9V x 14.7H

Beam Flux	Total	997.4 lumens per klm.
	To 10% of Imax	681.3 lumens per klm.
	To 50% of Imax	306.0 lumens per klm.
	To 90% of Imax	39.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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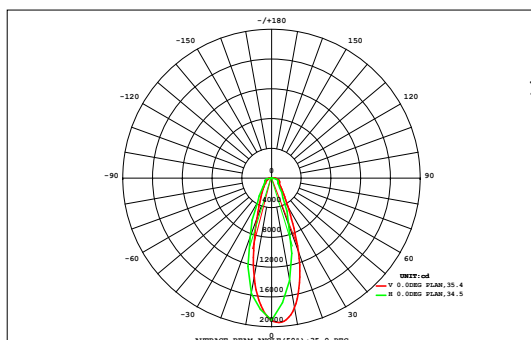
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:15 October 2019

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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:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13305.9x1 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:141.48lm/W	
NJZMODEL100-V01-RZ-30-PC-GR		Imax(cd)	19446
NOMINAL POWER(W)	100	AVAILABILITY(%)	68.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	9043
NOMINAL FLUX(lm)	13305.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	13306
TEST VOLTAGE(V)	220	θ @50%(H,V)	35,35DEG

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	0.47	3.52	7.72	12.5	17.3	21.8	25.3	27.9	29.4	28.9	26.4	23.2	19.3	14.9	10.3	6.10	2.50	0.28	278	0.00
70	0.66	4.04	8.81	14.4	19.9	24.2	27.0	29.3	31.5	31.0	28.5	25.7	22.2	17.6	12.4	7.33	3.21	0.45	308	0.00
60	0.85	4.77	10.6	17.1	22.3	26.1	29.7	32.7	34.4	34.2	32.4	29.3	25.2	20.5	15.1	9.03	3.87	0.60	349	0.00
50	0.99	5.40	12.0	18.5	23.5	30.0	38.2	45.5	49.4	49.1	44.9	37.5	29.4	22.8	17.0	10.5	4.45	0.73	440	23.0
40	1.11	5.85	12.8	19.0	26.4	38.6	55.6	73.6	85.1	84.2	71.2	53.1	37.1	25.7	18.1	11.4	4.85	0.81	625	363
30	1.17	6.13	13.1	19.8	30.4	50.1	83.9	134	173	169	126	76.9	46.6	29.0	19.0	11.8	5.09	0.88	995	810
	1.23	6.31	13.2	20.7	34.4	62.5	126	251	350	337	221	107	56.1	32.1	19.8	11.9	5.21	0.91	1656	1498
	1.24	6.39	13.2	21.2	36.7	71.1	163	369	530	505	306	128	61.6	33.7	20.2	12.0	5.27	0.93	2285	2138
	1.24	6.37	13.2	21.2	36.5	70.6	164	367	522	490	287	121	59.8	33.1	20.0	11.9	5.23	0.92	2232	2082
	1.21	6.26	13.2	20.6	33.6	60.5	123	238	316	297	183	92.9	51.9	30.6	19.3	11.7	5.12	0.89	1506	1339
	1.15	6.07	13.0	19.7	29.6	47.5	77.3	113	134	124	92.1	63.9	41.8	27.1	18.3	11.4	4.89	0.84	826	612
-30	1.07	5.72	12.6	18.9	25.7	36.1	49.0	59.7	64.3	62.3	55.4	44.7	33.0	23.9	17.4	10.9	4.57	0.77	526	177
-40	0.96	5.22	11.7	18.1	23.1	28.5	34.5	38.9	40.7	40.2	37.6	32.6	26.6	21.3	16.2	9.82	4.09	0.67	391	0.00
-50	0.82	4.53	10.1	16.4	21.5	25.1	27.9	30.0	31.4	31.2	29.3	26.6	23.2	19.4	14.0	8.23	3.48	0.54	324	0.00
-60	0.66	3.74	8.18	13.4	18.9	23.1	25.6	27.4	29.2	28.5	26.2	23.8	20.6	16.1	11.0	6.40	2.79	0.39	286	0.00
-70	0.47	2.76	5.93	9.57	13.4	17.0	19.9	22.1	23.2	22.4	20.4	17.8	14.5	11.0	7.52	4.45	1.88	0.20	214	0.00
-80	0.22	1.05	2.11	3.26	4.38	5.43	6.37	6.92	6.81	6.64	6.17	5.27	4.19	3.14	2.14	1.20	0.33	0.00	65.6	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	15.5	84.1	182	284	418	638	1076	1866	2451	2341	1595	909	573	382	258	156	66.8	10.8	13306	---
Φ a	0.00	0.00	0.00	0.00	33.1	292	782	1581	2165	2064	1297	608	212	8.90	0.00	0.00	0.00	0.00	---	9043

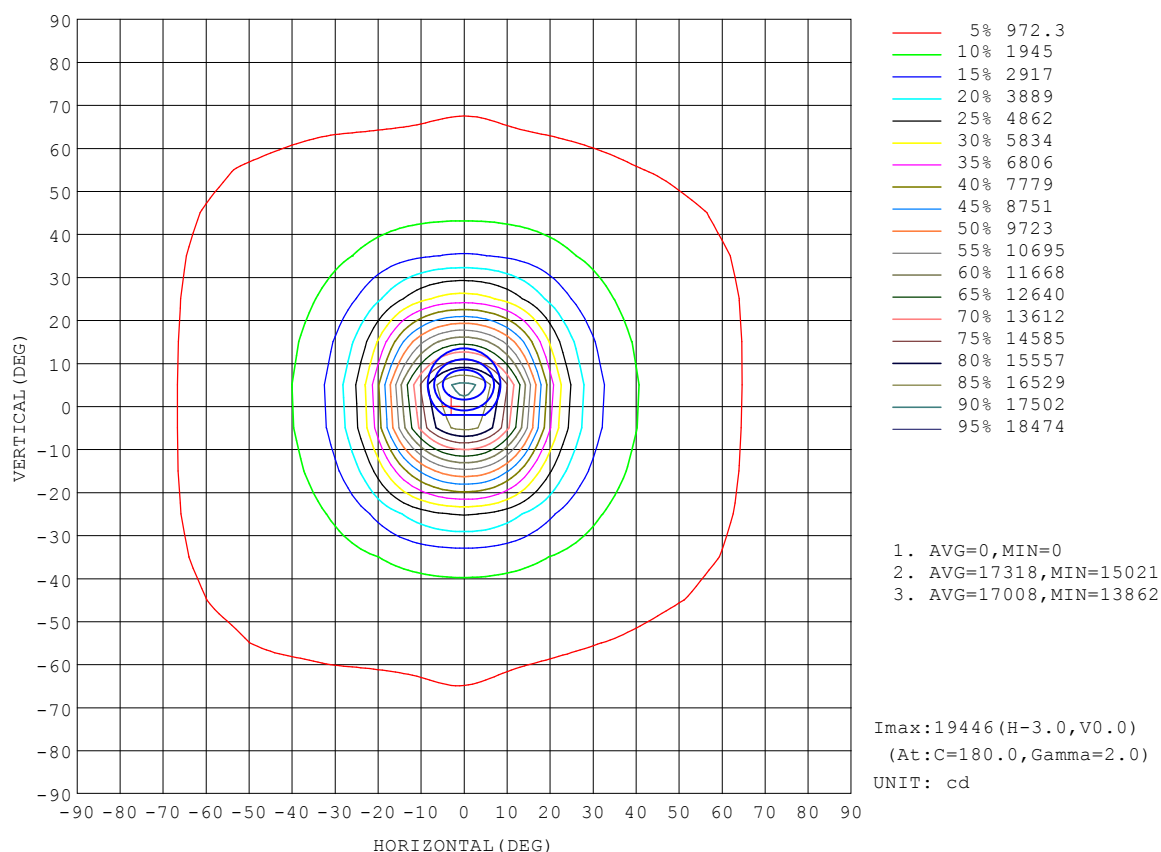
one-half-peak spread: U:16.2,D:18.6 , L:18.1,R:17.5 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:15 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:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13305.9x1 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

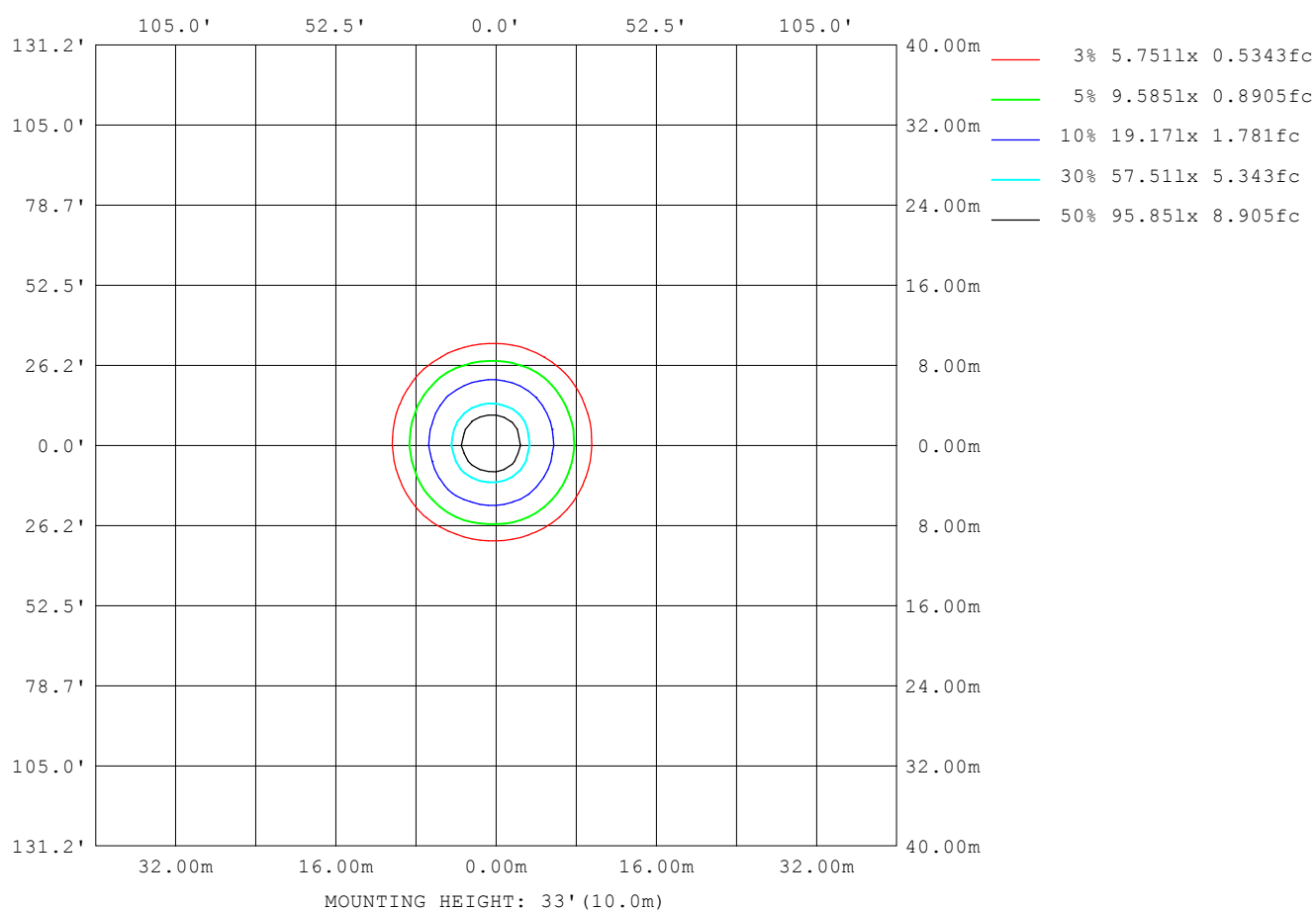


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:15 October 2019

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

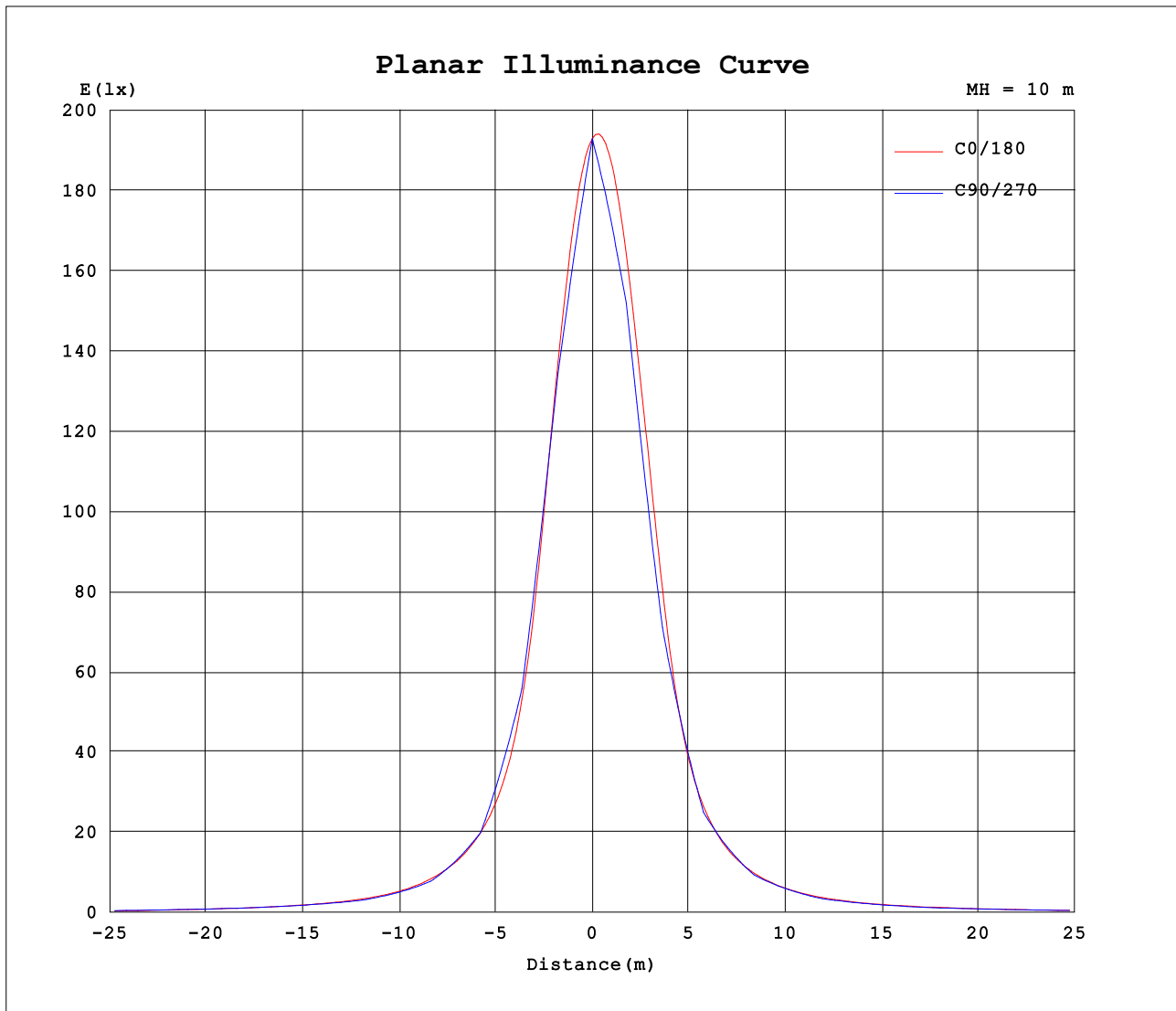
Test:U:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13305.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:15 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



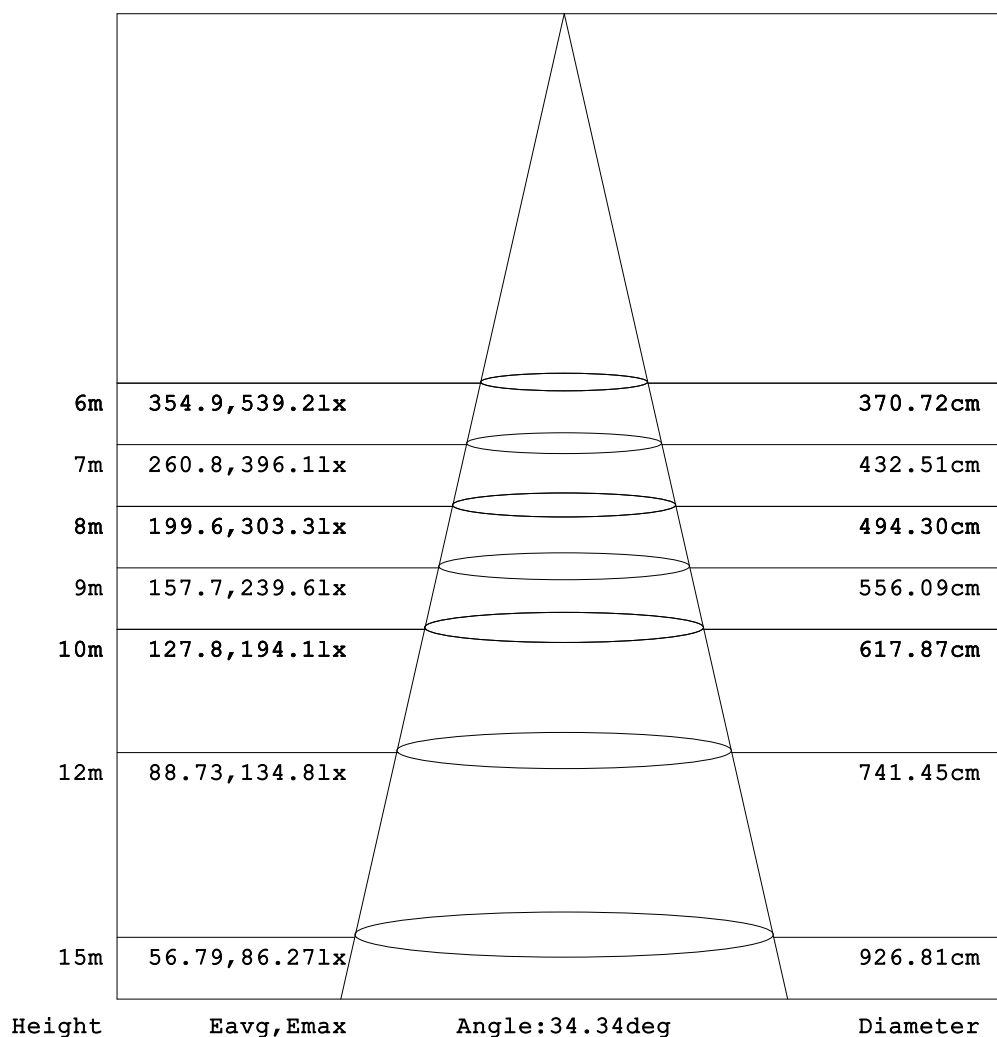
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
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 Test Date:15 October 2019

V(B) Range:-80 - 80DEG  
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 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
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 Remarks:

### AAI Figure

Test:U:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13305.9x1 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:3991 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:15 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:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13305.9x1 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	0.49	11.0	22.1	28.1	32.7	36.4	39.5	42.4	44.9	47.2	49.2	50.9	52.6	53.9	54.9	55.4	55.1	54.2	53.5
-75	0.21	4.24	22.1	31.7	38.2	43.6	48.3	52.6	56.6	60.2	63.3	65.7	67.7	69.3	70.7	71.8	72.6	73.1	72.8
-70	0.93	20.7	34.9	43.5	50.4	56.6	62.4	67.6	72.6	77.0	80.5	83.1	84.9	86.4	87.8	89.2	90.8	91.9	90.9
-65	0.04	7.37	32.0	43.6	52.4	60.4	67.8	74.3	79.9	85.2	88.8	90.9	92.0	92.4	92.7	93.4	94.8	96.6	97.1
-60	1.49	28.7	44.1	54.6	64.0	73.2	81.3	87.8	93.8	98.1	99.9	100	99.6	98.7	98.4	99.1	101	102	102
-55	0.00	10.6	39.2	52.6	63.8	74.6	84.2	91.6	97.1	100	101	102	103	104	105	106	107	109	109
-50	1.95	34.9	51.3	64.1	76.7	88.1	96.5	102	105	104	103	105	107	110	112	114	116	116	116
-45	0.00	14.6	45.0	60.2	73.9	86.8	97.0	103	106	107	109	113	119	125	132	137	141	144	144
-40	2.49	39.8	57.6	72.7	87.0	98.6	106	107	108	112	119	128	138	149	159	166	170	172	172
-35	0.00	18.7	49.5	66.2	81.5	95.0	104	107	110	115	125	138	155	174	194	213	228	238	241
-30	2.76	43.1	62.1	78.3	93.0	104	107	110	117	129	146	168	194	223	253	279	299	309	307
-25	0.00	22.8	52.9	70.6	86.2	99.1	107	110	116	129	148	175	210	256	316	382	440	479	493
-20	3.05	45.8	65.6	82.1	95.8	105	109	116	129	151	181	222	279	359	459	557	633	673	668
-15	0.00	26.9	55.2	73.4	88.8	100	107	113	124	144	173	215	277	372	523	718	889	1004	1047
-10	7.11	47.1	67.3	84.0	96.5	105	111	121	140	169	212	276	378	550	820	1096	1299	1406	1402
-5	0.00	29.3	56.4	74.9	89.9	100	108	115	130	154	191	246	332	476	732	1082	1392	1606	1681
0	3.80	48.0	68.4	84.9	96.7	106	112	124	146	180	230	308	439	675	1058	1456	1773	1931	1912
5	0.04	29.4	56.6	75.1	90.0	100	108	116	131	156	195	252	342	494	764	1137	1470	1698	1774
10	7.24	47.6	68.3	84.3	96.5	105	112	123	143	175	222	292	406	601	913	1236	1475	1595	1577
15	0.26	28.4	55.8	74.0	89.0	100	108	114	127	149	182	229	300	411	592	833	1048	1188	1233
20	3.30	46.7	66.5	82.7	95.7	105	110	118	134	159	194	243	314	417	557	703	809	859	849
25	0.52	25.6	54.0	71.7	86.8	99.2	107	111	119	135	158	191	234	294	374	469	553	607	624
30	2.70	44.4	63.5	79.5	93.6	104	108	112	122	137	159	187	221	261	304	342	371	385	383
35	0.71	22.5	51.2	68.1	83.1	96.3	105	108	112	120	133	151	174	200	228	256	278	293	298
40	2.30	41.4	59.7	75.0	89.2	100	106	108	111	118	128	142	157	172	187	198	206	209	209
45	0.81	17.3	47.1	62.9	77.1	90.0	99.5	105	107	109	114	121	130	141	151	159	165	169	170
50	1.97	36.6	54.1	68.0	80.9	91.9	99.8	105	105	105	107	111	116	121	125	128	130	131	131
55	0.86	10.8	41.5	56.0	68.0	79.3	88.8	95.8	99.8	102	103	104	106	109	111	113	115	116	117
60	1.72	30.7	47.4	58.7	69.1	78.6	86.8	92.5	97.2	99.9	100	99.9	99.6	99.8	100	101	102	103	103
65	0.92	6.93	34.2	47.4	57.0	65.7	73.7	80.4	85.6	90.2	93.0	94.4	95.2	95.5	96.0	96.9	98.3	100	101
70	1.44	21.7	38.2	48.1	55.6	62.6	69.2	74.6	79.7	84.2	87.7	90.0	91.1	91.8	92.9	94.4	97.1	99.7	99.7
75	1.01	4.04	24.5	36.2	43.9	50.1	55.7	60.6	64.8	68.8	72.3	75.0	76.9	78.2	79.4	80.6	82.1	83.7	84.2
80	1.28	11.7	26.0	34.1	39.8	44.4	48.3	51.8	54.9	57.8	60.3	62.4	64.3	66.1	67.4	68.6	69.1	68.7	67.9
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:15 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.: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	53.1	52.3	50.6	48.7	46.6	44.2	41.7	39.2	36.5	33.9	31.0	27.8	24.2	19.8	13.6	5.09	0.42	0.31	
-75	71.6	69.9	67.9	65.6	63.3	60.8	58.0	54.9	51.5	47.8	44.0	39.9	35.5	30.8	25.2	17.3	6.13	0.37	
-70	88.2	85.2	82.4	79.7	77.1	74.1	70.6	66.6	62.1	57.2	52.2	46.8	41.3	35.4	28.0	16.8	1.28	0.31	
-65	95.4	92.6	90.1	88.1	86.3	84.5	82.1	79.0	75.1	70.0	64.5	58.6	51.9	44.9	37.5	28.4	13.8	0.39	
-60	99.3	96.9	95.4	94.4	93.4	92.2	90.0	87.0	82.2	76.1	69.8	62.4	54.1	45.8	36.7	24.8	3.22	0.31	
-55	108	106	105	103	100	98.1	95.6	93.0	90.7	87.1	81.5	74.8	66.4	56.6	46.5	35.9	20.4	0.48	
-50	115	114	111	108	105	101	98.0	96.4	95.3	91.9	85.4	77.5	67.0	55.4	44.0	30.9	5.86	0.31	
-45	143	141	137	132	125	118	111	105	101	98.0	94.0	88.3	79.1	67.1	54.4	41.8	25.7	0.62	
-40	169	164	157	147	136	126	116	109	103	99.8	96.4	88.8	77.2	63.4	49.9	35.4	8.44	0.31	
-35	237	227	212	193	174	156	139	125	114	106	101	96.5	87.7	74.7	60.6	46.7	29.6	0.81	
-30	294	273	245	216	189	165	144	127	115	106	101	95.1	83.1	68.9	54.8	39.2	10.7	0.32	
-25	478	433	369	306	252	210	177	150	130	116	107	101	92.3	79.0	64.9	50.3	32.4	0.96	
-20	613	519	415	328	263	214	177	148	128	114	105	98.1	85.9	72.3	57.9	41.6	14.6	0.35	
-15	1010	885	690	495	361	276	219	177	147	126	112	104	94.5	81.4	67.9	52.8	34.3	1.02	
-10	1276	1029	718	486	348	264	208	168	139	120	109	100	87.4	74.7	60.2	43.3	16.0	0.38	
-5	1611	1388	1045	689	459	329	250	197	159	133	116	106	95.7	82.7	69.6	54.2	35.3	1.04	
0	1712	1359	922	585	398	291	223	177	145	124	111	101	87.8	75.6	61.0	43.8	16.9	0.42	
5	1693	1463	1108	728	479	340	256	200	161	134	117	107	96.2	83.2	70.0	54.5	35.6	1.03	
10	1428	1166	818	537	375	279	217	173	143	123	110	101	88.3	75.6	61.0	43.9	16.2	0.44	
15	1180	1039	815	573	403	300	233	186	153	130	115	105	96.2	83.0	69.3	53.8	35.0	0.98	
20	780	659	510	384	295	234	190	157	133	117	107	100	88.1	74.4	59.6	42.7	15.0	0.42	
25	603	545	459	366	291	235	193	161	138	121	110	103	95.0	81.8	67.5	52.1	33.7	0.91	
30	364	333	293	252	215	183	157	136	121	110	104	97.9	86.5	72.2	57.3	40.9	12.5	0.44	
35	292	277	254	227	200	175	153	135	121	111	105	99.6	91.5	78.7	64.1	49.1	31.3	0.88	
40	204	195	183	169	154	140	127	116	109	103	99.7	93.1	81.7	67.8	53.2	37.7	9.74	0.49	
45	169	165	159	150	141	130	121	113	107	102	98.6	92.9	84.2	72.1	58.5	44.9	27.7	0.87	
50	130	128	124	120	115	109	105	101	99.0	97.0	91.2	83.2	72.9	60.4	47.7	33.7	5.51	0.53	
55	116	115	113	111	108	104	101	98.2	95.6	92.5	87.9	81.2	72.5	62.0	50.9	39.4	22.7	0.89	
60	101	100	99.0	97.9	96.7	95.5	94.2	92.3	88.7	82.9	76.9	69.2	59.9	50.5	40.8	27.6	3.14	0.61	
65	100	97.6	95.3	93.6	91.9	90.2	88.4	86.0	82.5	77.5	71.8	65.7	58.2	50.2	42.0	32.0	15.6	0.91	
70	96.2	92.2	89.5	87.2	85.0	83.0	79.9	75.8	70.7	65.1	59.7	53.5	46.9	40.3	32.1	19.3	1.73	0.70	
75	83.0	80.4	77.7	75.4	73.1	70.7	68.1	64.9	61.1	56.7	52.3	47.7	42.3	36.5	29.8	20.7	7.48	0.92	
80	66.8	65.3	63.2	60.9	58.2	55.4	52.6	49.7	46.3	43.0	39.5	35.5	30.8	25.1	17.4	7.89	1.07	0.80	
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:15 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: