

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1053.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	90.2V x 88.8H
	At 50% of Imax	53.3V x 54.3H
	At 90% of Imax	21.5V x 20.5H

Beam Flux	Total	998.9 lumens per klm.
	To 10% of Imax	802.1 lumens per klm.
	To 50% of Imax	502.8 lumens per klm.
	To 90% of Imax	86.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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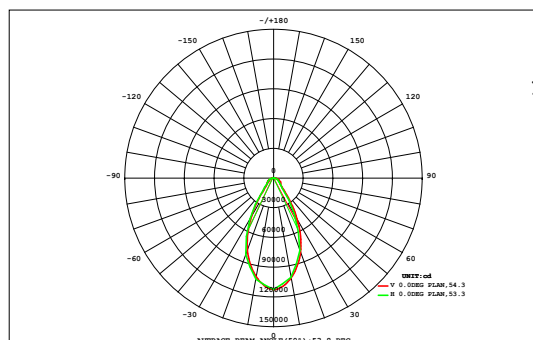
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:09 November 2019

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:120.05V I:6.5857A P:776.77W PF:0.9825 Freq:59.98Hz Lamp Flux:106745x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:137.42lm/W	
NJZMODEL800-V01-RZ-60-PC-BL		Imax(cd)	112440
NOMINAL POWER(W)	800	AVAILABILITY(%)	80.1
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	85460
NOMINAL FLUX(lm)	106745	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	106745
TEST VOLTAGE(V)	120	θ @50%(H,V)	54,53DEG

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	0.35	5.18	17.5	35.1	56.0	77.1	96.4	110	124	125	110	95.6	76.8	56.0	35.3	17.8	5.39	0.38	1044	0.00
70	0.86	10.5	32.9	61.4	92.7	123	148	163	167	167	161	147	122	92.0	61.1	33.0	10.6	0.86	1594	0.00
60	1.51	16.8	49.1	87.7	127	165	197	217	227	227	217	195	162	125	86.6	48.5	16.4	1.45	2168	0.00
50	2.04	21.3	59.8	105	150	196	245	306	359	361	309	247	195	148	103	59.0	20.7	1.98	2888	736
40	2.49	24.6	67.5	116	168	240	398	650	862	870	665	412	247	168	115	66.3	23.8	2.40	5100	3772
30	2.81	26.8	72.4	125	187	353	813	1421	1872	1884	1444	833	370	192	124	71.5	26.2	2.73	9821	8877
	3.05	28.3	75.6	131	214	559	1347	2174	2744	2765	2202	1370	576	222	131	74.7	27.6	2.94	14647	13858
	3.13	28.8	77.1	135	239	725	1679	2581	3189	3216	2617	1709	743	248	136	76.5	28.5	3.07	17434	16699
	3.13	28.7	77.1	135	241	725	1672	2583	3194	3204	2601	1689	731	245	135	76.3	28.4	3.02	17373	16645
	2.93	27.6	74.6	129	213	551	1300	2094	2649	2656	2108	1311	550	218	130	74.2	27.6	2.87	14121	13319
	2.61	25.9	70.7	122	184	343	772	1344	1772	1774	1346	767	338	187	122	70.4	25.9	2.50	9269	8303
-30	2.14	23.2	64.9	112	162	220	349	577	768	764	569	343	224	164	113	64.8	23.4	2.02	4547	3174
-40	1.68	19.8	56.7	99.4	143	184	211	229	246	244	227	212	184	143	98.9	56.3	19.4	1.48	2376	76.2
-50	1.15	15.0	45.0	81.0	118	152	180	196	201	201	195	180	152	118	80.7	44.7	14.7	1.01	1975	0.00
-60	0.68	9.36	29.6	55.4	83.2	111	134	146	150	150	146	134	110	82.8	54.8	28.9	8.67	0.55	1435	0.00
-70	0.27	3.73	12.9	26.0	42.5	59.1	73.8	83.9	94.3	96.0	84.8	74.0	59.2	42.5	25.8	12.5	3.34	0.21	795	0.00
-80	0.03	0.46	1.69	3.77	6.52	9.53	13.1	17.5	28.6	28.7	17.5	12.7	9.01	5.96	3.17	1.24	0.25	0.01	160	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	30.9	316	885	1560	2428	4794	9625	14894	18649	18732	15021	9731	4849	2458	1555	877	311	29.5	106745	---
Φ a	0.00	0.00	0.00	0.00	336	3149	8134	13547	17307	17392	13704	8253	3248	391	0.00	0.00	0.00	0.00	---	85460

one-half-peak spread: U:26.0,D:27.7 , L:27.7,R:26.9

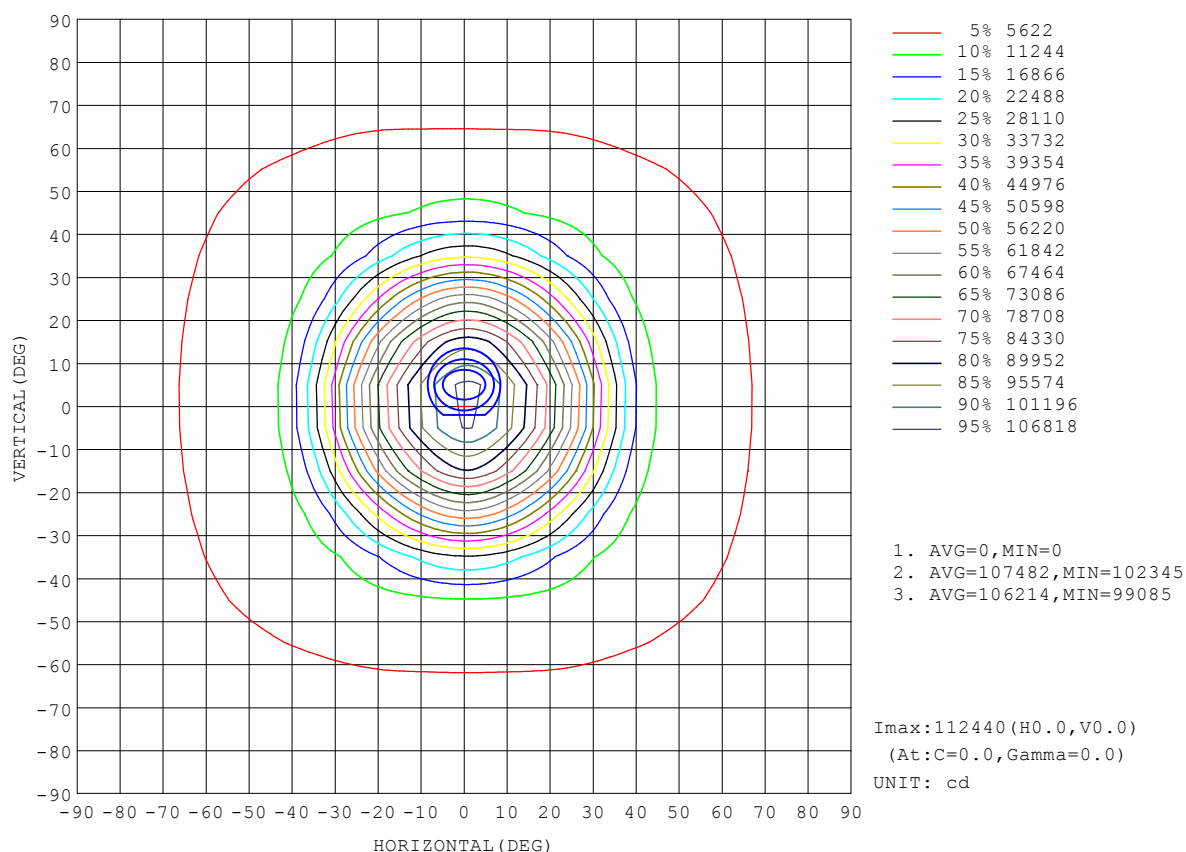
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:09 November 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:120.05V I:6.5857A P:776.77W PF:0.9825 Freq:59.98Hz Lamp Flux:106745x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

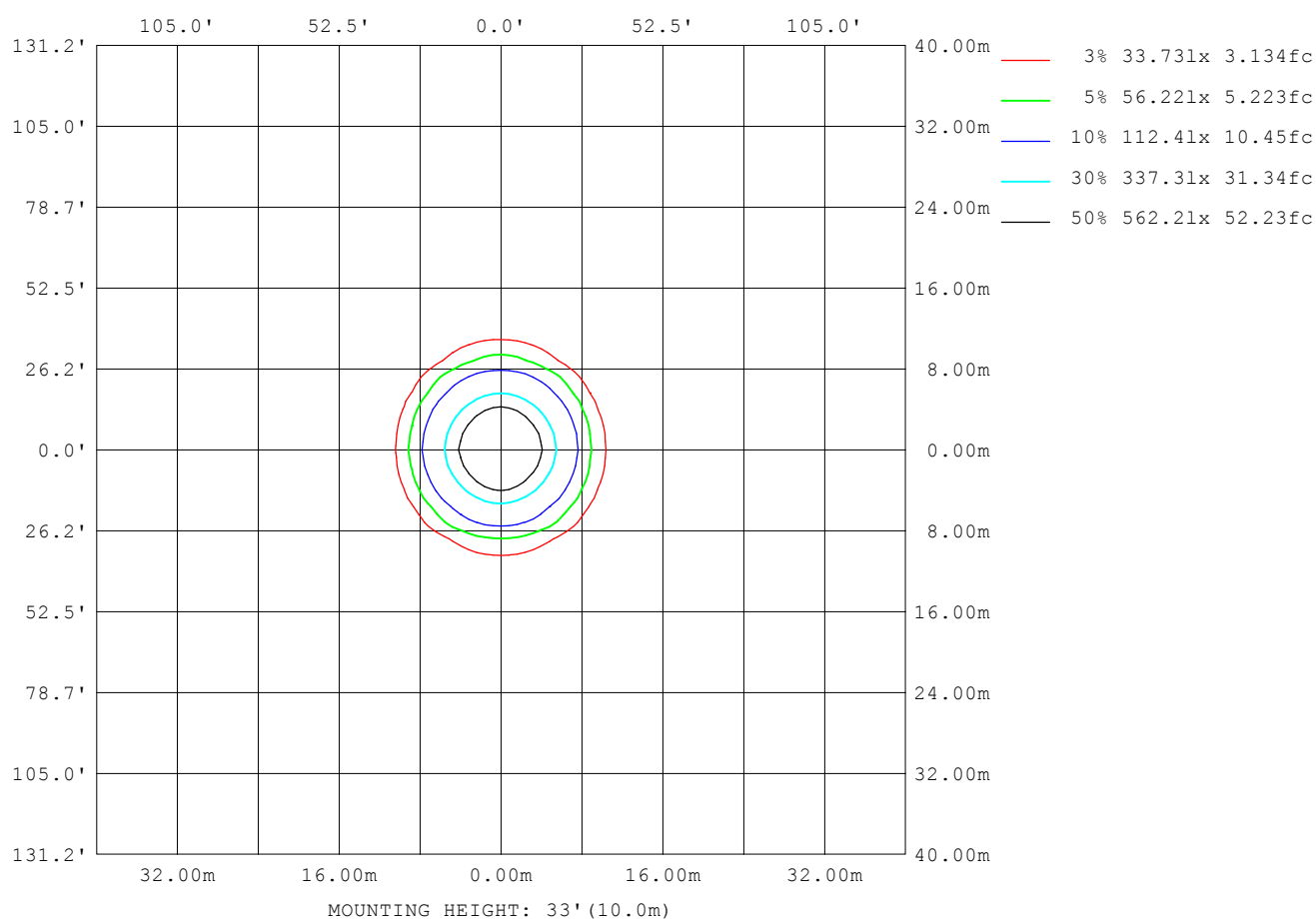


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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:09 November 2019

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Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

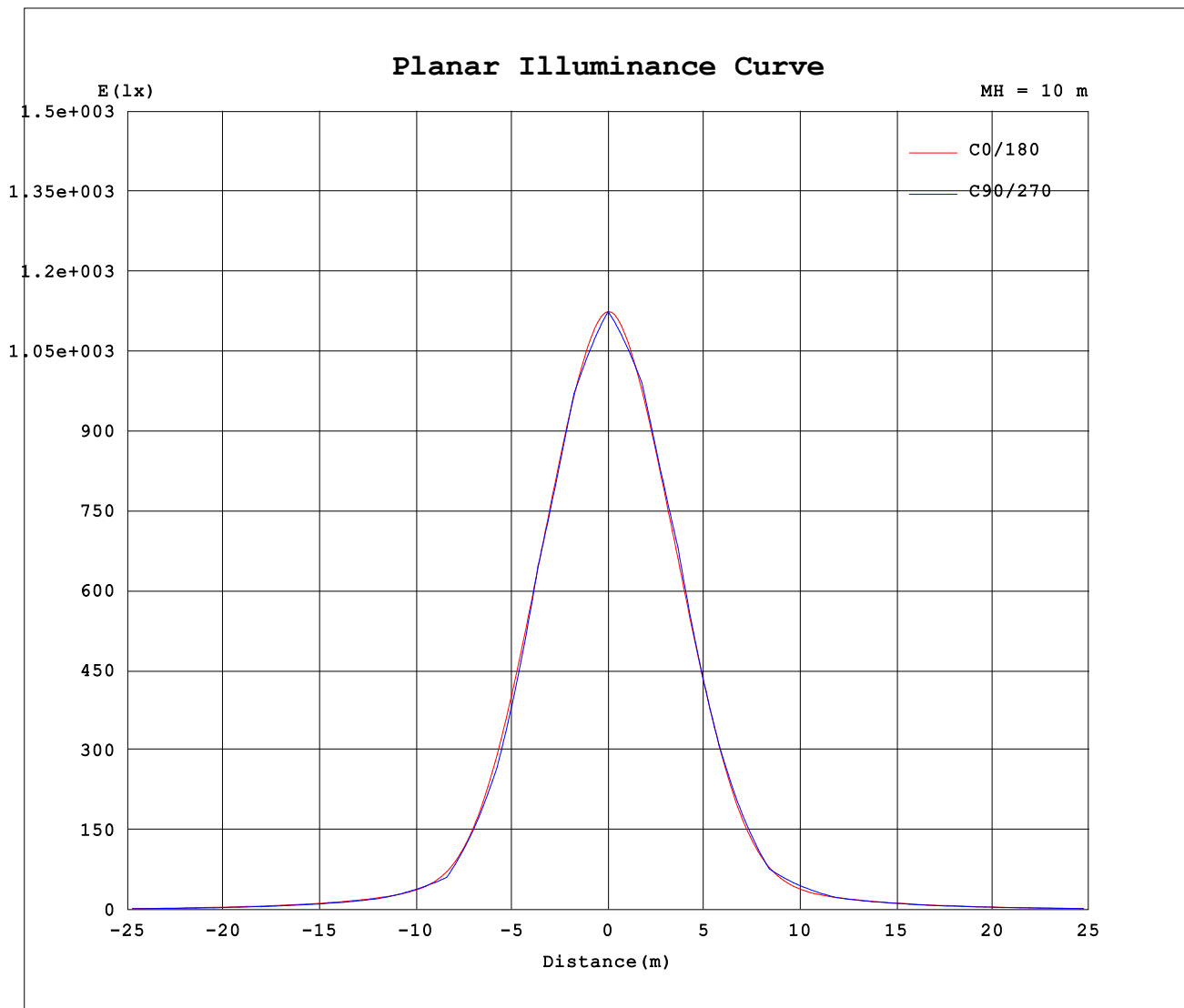
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SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:09 November 2019

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



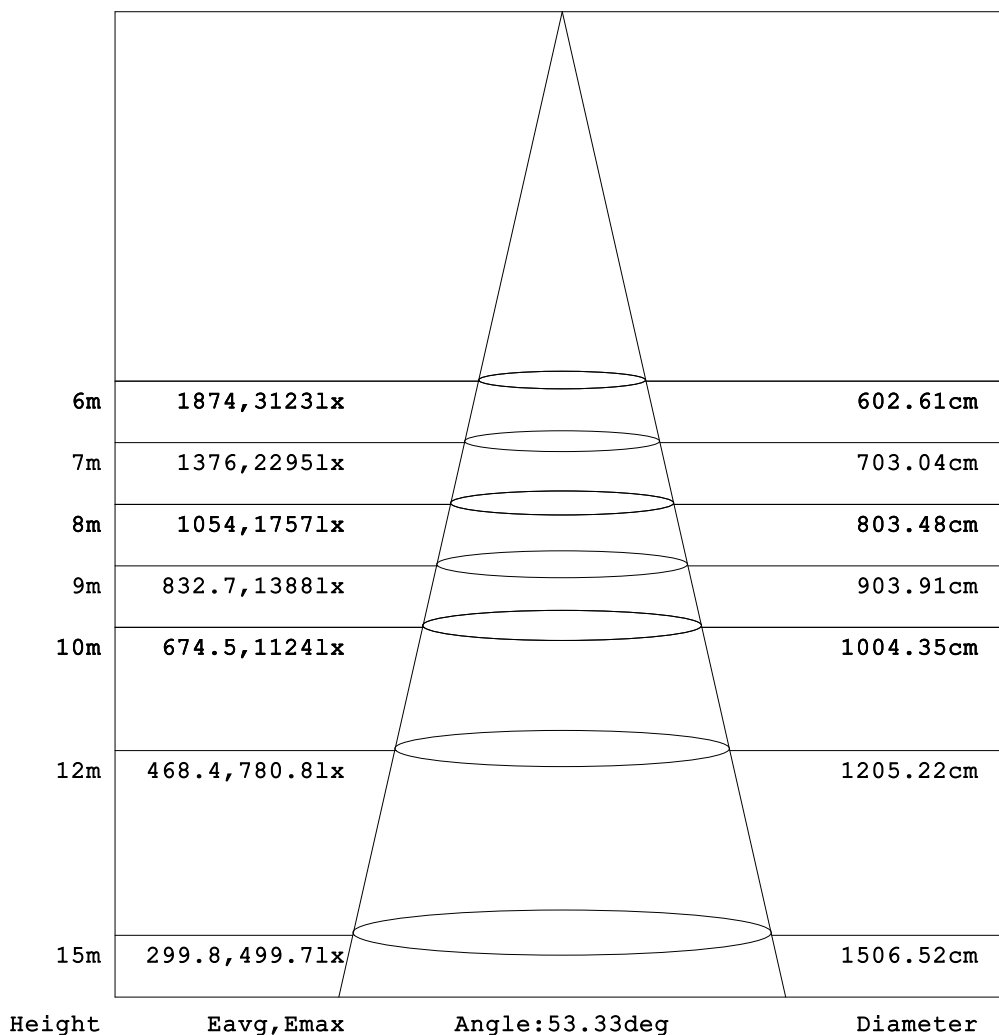
$H(\beta)$  Range: -90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: CL  
 Test Date: 09 November 2019

$V(B)$  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:120.05V I:6.5857A P:776.77W PF:0.9825 Freq:59.98Hz Lamp Flux:106745x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:55012 lm



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

H( $\beta$ ) Range:-90 - 90DEG  
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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:09 November 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:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:6.5857A P:776.77W PF:0.9825 Freq:59.98Hz Lamp Flux:106745x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: ×100cd

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	0.18	0.26	0.86	2.14	3.59	5.00	6.45	7.77	9.16	10.5	11.7	12.8	14.0	15.1	16.1	17.2	19.4	23.2	25.7
-75	0.17	0.39	1.88	4.32	7.01	9.91	12.5	14.7	17.2	19.5	21.4	23.2	24.9	26.3	27.4	28.2	29.3	31.3	33.0
-70	0.18	0.82	3.83	7.55	11.6	15.9	19.5	22.6	26.2	29.2	31.8	34.3	36.5	38.0	39.0	39.5	39.9	40.3	40.4
-65	0.16	0.88	4.65	10.2	16.3	21.8	26.5	30.6	34.4	37.8	40.7	43.5	46.0	47.9	49.1	49.6	49.7	49.8	49.9
-60	0.18	1.95	7.51	15.3	23.4	29.7	35.3	40.1	44.0	47.6	50.8	53.7	56.3	58.3	59.4	59.7	59.5	59.4	59.4
-55	0.16	1.62	7.77	16.7	26.3	33.8	39.9	45.4	49.9	53.8	57.3	60.4	63.2	65.6	67.4	68.6	69.4	70.1	70.5
-50	0.19	3.15	11.1	22.1	32.5	40.4	46.9	52.6	57.5	61.5	65.0	68.2	71.2	73.8	76.0	77.9	79.6	80.9	81.5
-45	0.16	2.54	10.9	22.2	34.0	42.8	49.8	55.9	61.2	65.6	69.9	74.2	78.5	83.1	88.5	94.9	102	107	109
-40	0.21	4.67	14.7	27.4	39.6	48.2	55.3	61.5	66.8	71.5	76.5	81.9	87.6	94.5	103	115	126	134	137
-35	0.17	3.54	13.7	26.3	39.9	49.2	56.7	63.4	69.1	74.6	81.0	90.0	106	132	166	204	238	264	275
-30	0.23	6.02	17.3	30.8	44.5	53.3	60.9	67.9	73.6	80.2	88.5	103	134	183	244	307	362	401	413
-25	0.19	4.68	16.0	29.0	44.2	53.6	61.6	69.0	75.6	83.3	96.9	128	185	264	353	439	514	569	595
-20	0.26	7.71	19.4	33.8	48.3	57.1	65.2	72.9	80.3	90.3	114	171	265	380	497	604	691	754	778
-15	0.20	5.84	17.5	30.8	47.2	56.6	65.0	73.0	80.9	92.1	123	196	310	444	575	690	786	858	896
-10	0.28	8.65	20.3	35.3	50.3	59.5	68.0	76.1	85.1	101	154	261	408	561	701	818	913	985	1016
-5	0.21	6.55	18.3	31.9	48.8	58.3	67.1	75.7	84.7	99.8	149	257	410	572	721	847	950	1028	1070
0	0.29	9.10	21.0	36.6	51.4	60.8	69.7	78.6	88.5	110	178	309	477	646	795	921	1022	1095	1124
5	0.21	6.69	18.4	32.2	49.0	58.5	67.3	75.9	85.0	101	152	263	418	582	731	857	959	1037	1079
10	0.31	8.85	20.6	36.1	50.8	59.9	68.4	76.6	85.8	103	160	273	425	581	721	837	932	1004	1037
15	0.20	6.45	17.9	31.8	47.9	57.3	65.7	73.8	81.8	93.8	128	208	332	471	605	721	817	890	928
20	0.31	8.49	20.0	35.1	49.3	58.2	66.4	74.1	81.6	92.4	121	187	293	417	538	646	736	799	821
25	0.21	5.93	16.8	30.5	45.6	54.9	63.0	70.5	77.2	85.3	101	138	206	296	394	486	566	624	650
30	0.30	7.54	18.3	32.6	46.1	55.0	62.8	69.5	75.6	82.5	92.0	112	153	215	288	360	423	466	480
35	0.22	5.09	15.1	28.1	41.8	51.1	58.8	65.6	71.4	77.2	84.2	95.5	117	151	194	240	282	313	326
40	0.29	6.45	16.4	29.5	41.6	50.3	57.7	64.0	69.5	74.4	79.8	85.6	92.5	103	118	137	155	168	172
45	0.23	3.97	12.7	24.4	36.3	45.2	52.5	58.8	64.3	68.8	73.4	78.0	83.0	89.1	97.7	108	118	126	130
50	0.28	4.83	13.2	24.4	35.0	43.1	50.0	56.0	61.0	65.1	68.9	72.3	75.6	78.3	80.8	83.0	85.0	86.5	87.0
55	0.24	2.65	9.72	19.1	29.0	36.8	43.4	49.1	53.9	58.0	61.7	65.0	68.0	70.5	72.5	73.8	74.7	75.5	75.8
60	0.27	3.05	9.52	18.0	26.4	33.2	39.3	44.2	48.5	52.5	55.9	58.9	61.6	63.6	64.7	65.0	64.8	64.6	64.5
65	0.25	1.35	6.22	12.4	19.2	25.2	30.4	34.8	39.1	42.7	45.9	48.9	51.5	53.4	54.6	55.1	55.2	55.2	55.2
70	0.27	1.13	5.20	9.51	14.5	19.5	23.2	27.2	31.2	34.2	37.1	40.0	42.2	43.8	44.8	45.3	45.6	45.9	45.9
75	0.26	0.51	2.76	5.88	9.30	12.9	15.9	18.8	21.9	24.4	26.6	28.9	30.8	32.4	33.5	34.2	35.0	36.4	37.6
80	0.27	0.39	1.55	3.51	5.55	7.56	9.68	11.6	13.6	15.5	17.0	18.6	20.1	21.4	22.5	23.5	24.9	27.7	29.3
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:09 November 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.:800W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: ×100cd

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	23.6	19.7	17.3	16.1	15.1	13.9	12.7	11.6	10.3	8.91	7.47	6.07	4.61	3.19	1.78	0.63	0.26	0.17	
-75	32.3	30.2	28.6	27.6	26.7	25.4	23.7	21.9	20.0	17.8	15.2	12.9	10.4	7.44	4.63	2.17	0.51	0.18	
-70	40.2	39.8	39.4	38.8	37.9	36.2	34.0	31.4	28.7	25.7	21.9	18.7	14.9	10.5	6.45	2.84	0.49	0.16	
-65	49.8	49.6	49.5	49.2	48.2	46.5	44.1	41.3	38.3	35.0	31.2	27.2	22.5	17.2	11.0	5.23	1.20	0.18	
-60	59.3	59.4	59.6	59.3	58.0	55.9	53.1	50.1	46.7	42.9	38.9	33.8	28.1	21.5	13.1	5.65	1.03	0.15	
-55	70.3	69.7	69.1	68.1	66.5	64.1	61.3	58.1	54.5	50.6	46.2	40.9	34.8	27.7	18.5	8.86	2.26	0.18	
-50	81.0	79.8	78.3	76.4	74.1	71.3	68.1	64.7	60.9	56.7	51.5	45.6	38.9	30.7	19.7	8.91	1.90	0.15	
-45	108	104	97.7	91.6	86.0	80.9	76.1	71.4	66.8	62.2	56.9	50.9	44.1	35.9	24.8	12.4	3.44	0.19	
-40	134	125	115	104	95.7	88.5	82.1	76.2	70.9	65.8	60.1	53.6	46.3	37.2	24.7	11.8	2.61	0.15	
-35	268	246	213	177	142	114	95.9	84.8	77.0	70.8	64.7	58.0	50.6	42.0	29.5	15.8	4.86	0.20	
-30	396	355	298	234	175	131	104	90.0	80.5	73.4	66.8	59.6	51.8	42.6	28.6	15.0	3.74	0.16	
-25	579	530	459	375	286	203	141	105	87.6	77.9	70.5	63.0	55.1	46.4	32.7	18.3	6.42	0.21	
-20	748	680	589	480	361	247	158	110	90.0	79.2	71.2	63.3	55.1	45.9	30.4	16.8	4.84	0.17	
-15	873	807	716	605	477	342	219	137	99.7	84.2	74.9	66.4	57.9	49.1	34.8	19.8	7.83	0.22	
-10	977	901	803	683	540	384	239	142	101	84.9	75.2	66.1	57.4	48.1	31.8	18.0	6.11	0.18	
-5	1044	974	877	756	611	449	289	168	110	88.6	77.7	68.3	59.6	50.5	35.8	20.5	8.58	0.23	
0	1089	1012	906	775	621	449	282	160	106	87.2	76.5	67.2	58.2	48.7	31.8	18.2	6.38	0.19	
5	1058	987	889	767	622	459	296	170	110	88.9	77.9	68.5	59.7	50.6	35.7	20.5	8.64	0.25	
10	1004	928	828	705	560	401	251	147	102	85.5	75.5	66.3	57.6	48.3	31.6	18.1	6.40	0.18	
15	908	843	751	637	505	364	233	142	101	84.8	75.4	66.8	58.3	49.4	34.6	19.9	8.31	0.26	
20	793	725	631	519	394	271	170	114	91.0	79.9	71.8	63.8	55.6	46.3	30.1	17.0	5.83	0.19	
25	635	583	508	416	318	224	151	108	88.8	78.7	71.3	63.7	55.8	47.0	32.6	18.6	7.61	0.26	
30	461	415	349	275	203	144	109	91.9	81.7	74.4	67.7	60.4	52.7	43.3	28.5	15.6	5.26	0.20	
35	318	290	250	204	160	124	100	86.8	78.4	72.1	66.0	59.2	51.8	43.1	29.8	16.7	6.58	0.26	
40	166	152	133	115	101	91.7	84.3	77.8	72.3	67.4	61.7	55.2	47.8	38.5	25.3	13.4	4.15	0.21	
45	127	120	110	99.4	90.8	84.1	78.6	73.5	68.7	64.2	59.0	52.9	46.0	37.5	25.8	14.1	5.19	0.25	
50	86.2	84.6	82.5	80.0	77.3	74.2	70.7	67.1	63.2	59.2	54.0	48.0	41.1	32.5	21.2	10.9	3.00	0.22	
55	75.4	74.7	73.7	72.3	70.3	67.8	64.7	61.4	57.9	54.0	49.4	44.0	37.7	30.1	20.4	10.9	3.56	0.25	
60	64.4	64.5	64.5	63.8	62.4	60.2	57.4	54.4	51.1	47.1	42.8	37.6	31.5	24.3	15.4	7.70	1.62	0.24	
65	55.1	54.9	54.8	54.3	53.1	51.2	48.8	45.9	42.9	39.5	35.4	31.0	26.1	20.2	13.4	7.02	1.87	0.25	
70	45.6	45.3	45.0	44.3	43.2	41.4	39.0	36.2	33.4	30.4	26.2	22.6	18.6	13.4	8.60	4.11	0.63	0.24	
75	36.8	35.2	34.2	33.4	32.3	30.9	29.0	26.9	24.7	22.3	19.3	16.5	13.5	10.0	6.52	3.24	0.72	0.26	
80	27.3	24.6	23.1	22.1	20.9	19.6	18.2	16.6	15.0	13.1	11.2	9.25	7.13	5.15	3.13	1.14	0.32	0.25	
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:09 November 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: