

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1130.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	83.0V x 81.4H
	At 50% of Imax	54.4V x 53.9H
	At 90% of Imax	18.7V x 17.5H

Beam Flux	Total	998.8 lumens per klm.
	To 10% of Imax	803.1 lumens per klm.
	To 50% of Imax	522.2 lumens per klm.
	To 90% of Imax	62.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

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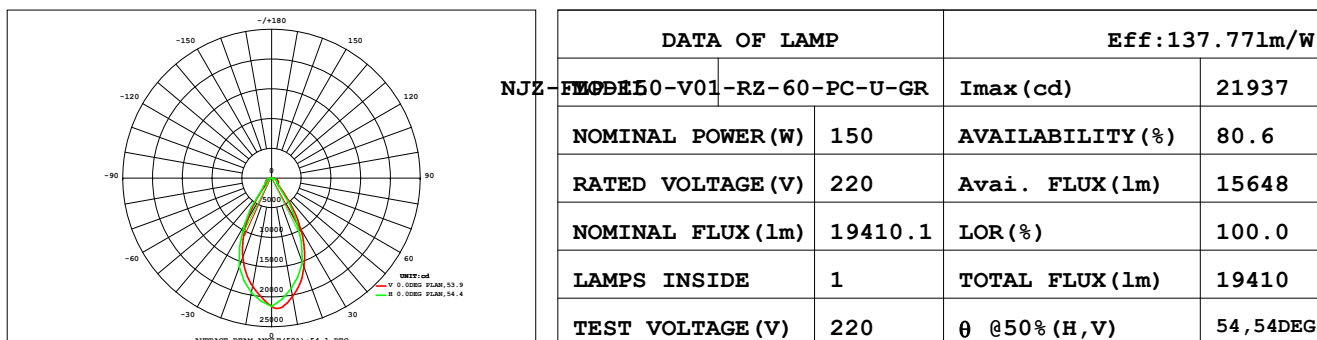
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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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:220.22V I:0.6498A P:140.89W PF:0.9846 Freq:49.99Hz Lamp Flux:19410.1x1 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



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	0.09	0.95	2.97	5.75	9.38	12.9	16.0	18.0	19.5	19.4	18.0	16.0	12.8	9.30	5.75	2.82	0.82	0.06	170	0.00
70	0.17	1.81	5.46	10.1	15.2	20.2	24.2	26.4	27.4	27.5	26.9	24.7	20.7	15.6	10.3	5.46	1.68	0.13	264	0.00
60	0.26	2.84	8.05	14.3	20.6	26.5	31.4	34.4	35.9	36.1	34.9	31.9	27.2	21.4	14.9	8.28	2.69	0.22	352	0.00
50	0.35	3.52	9.68	16.8	23.8	30.6	36.9	46.1	55.8	55.9	46.9	37.8	31.5	24.8	17.6	10.1	3.39	0.30	452	49.6
40	0.42	4.02	10.8	18.5	26.1	35.6	63.3	113	157	155	112	64.2	37.1	27.2	19.4	11.3	3.90	0.36	859	585
30	0.47	4.34	11.5	19.6	28.0	54.6	153	281	372	361	266	144	54.8	29.6	20.6	12.1	4.27	0.41	1817	1630
	0.50	4.55	12.0	20.3	30.4	99.8	268	429	536	515	405	249	92.7	32.4	21.5	12.6	4.48	0.45	2735	2579
	0.52	4.61	12.2	20.8	33.5	139	336	505	619	591	477	313	125	35.0	22.0	12.9	4.61	0.47	3252	3108
	0.52	4.57	12.2	20.8	33.9	140	337	513	626	592	476	310	122	34.6	21.9	12.8	4.57	0.46	3262	3118
	0.49	4.39	11.7	19.9	30.2	99.1	258	412	513	489	389	241	87.2	31.5	21.1	12.4	4.46	0.44	2624	2468
	0.45	4.13	11.1	18.9	27.1	54.0	150	275	358	347	255	135	47.9	28.6	20.1	11.8	4.18	0.39	1749	1566
-30	0.39	3.72	10.2	17.6	25.0	31.3	56.6	110	153	148	101	51.2	32.2	26.3	18.7	10.9	3.79	0.34	800	542
-40	0.33	3.22	9.03	15.7	22.3	28.6	29.4	29.1	33.1	33.2	29.7	30.8	29.7	23.6	16.7	9.50	3.20	0.27	348	0.00
-50	0.24	2.53	7.32	13.0	18.8	24.2	28.8	31.1	31.4	31.6	31.7	29.7	25.4	19.9	13.7	7.51	2.43	0.19	320	0.00
-60	0.16	1.67	4.99	9.19	13.8	18.3	22.2	24.3	25.0	25.2	24.8	22.9	18.9	14.2	9.29	4.80	1.44	0.11	241	0.00
-70	0.08	0.75	2.35	4.60	7.43	10.3	12.8	14.4	15.8	16.1	14.6	12.9	10.2	7.26	4.28	2.04	0.54	0.04	136	0.00
-80	0.02	0.15	0.41	0.85	1.39	1.92	2.58	3.18	4.42	4.26	3.03	2.35	1.61	1.07	0.57	0.22	0.04	0.00	28.1	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	5.45	51.8	142	247	367	828	1826	2865	3583	3445	2712	1717	778	382	258	148	50.5	4.63	19410	---
Φ a	0.00	0.00	0.00	0.00	8.30	518	1565	2617	3357	3220	2460	1451	448	3.74	0.00	0.00	0.00	0.00	---	15648

one-half-peak spread: U:26.6,D:28.1 , L:25.4,R:28.8

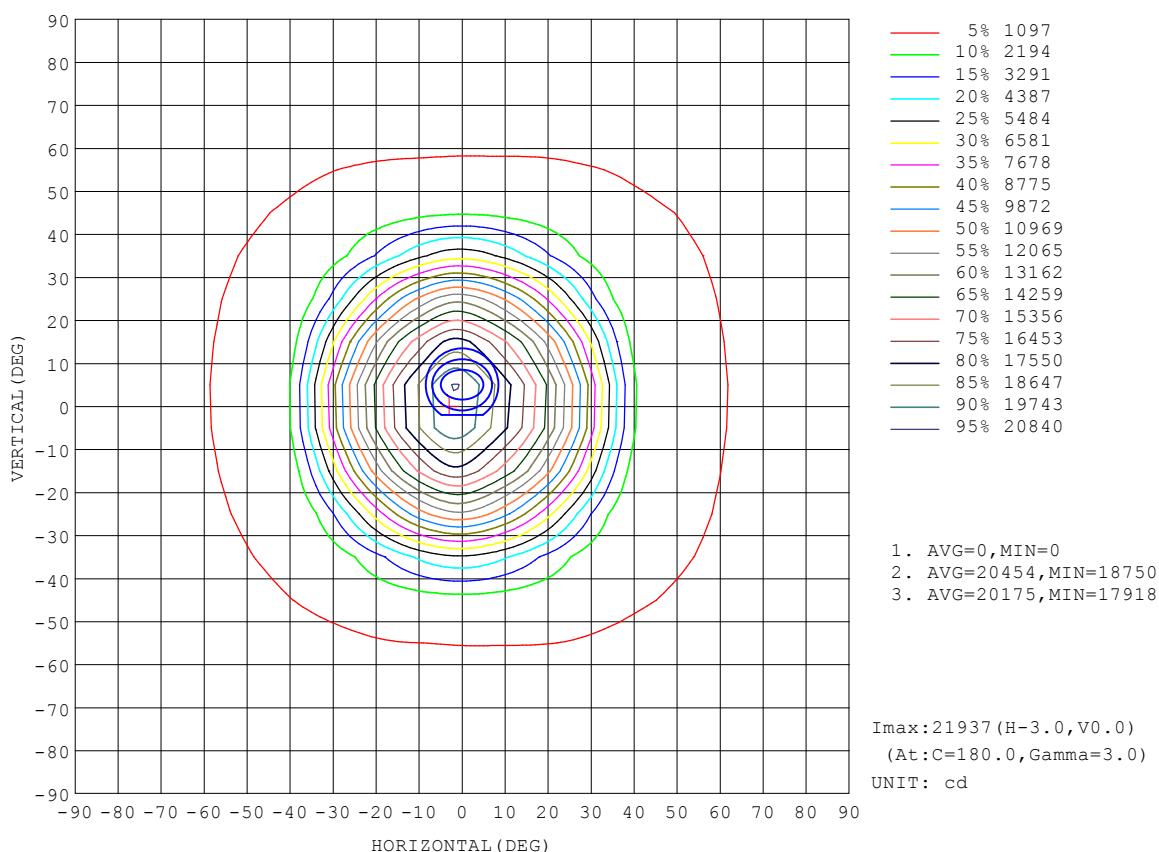
NEMA Beam Type: Type 5

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:220.22V I:0.6498A P:140.89W PF:0.9846 Freq:49.99Hz Lamp Flux:19410.1x1 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

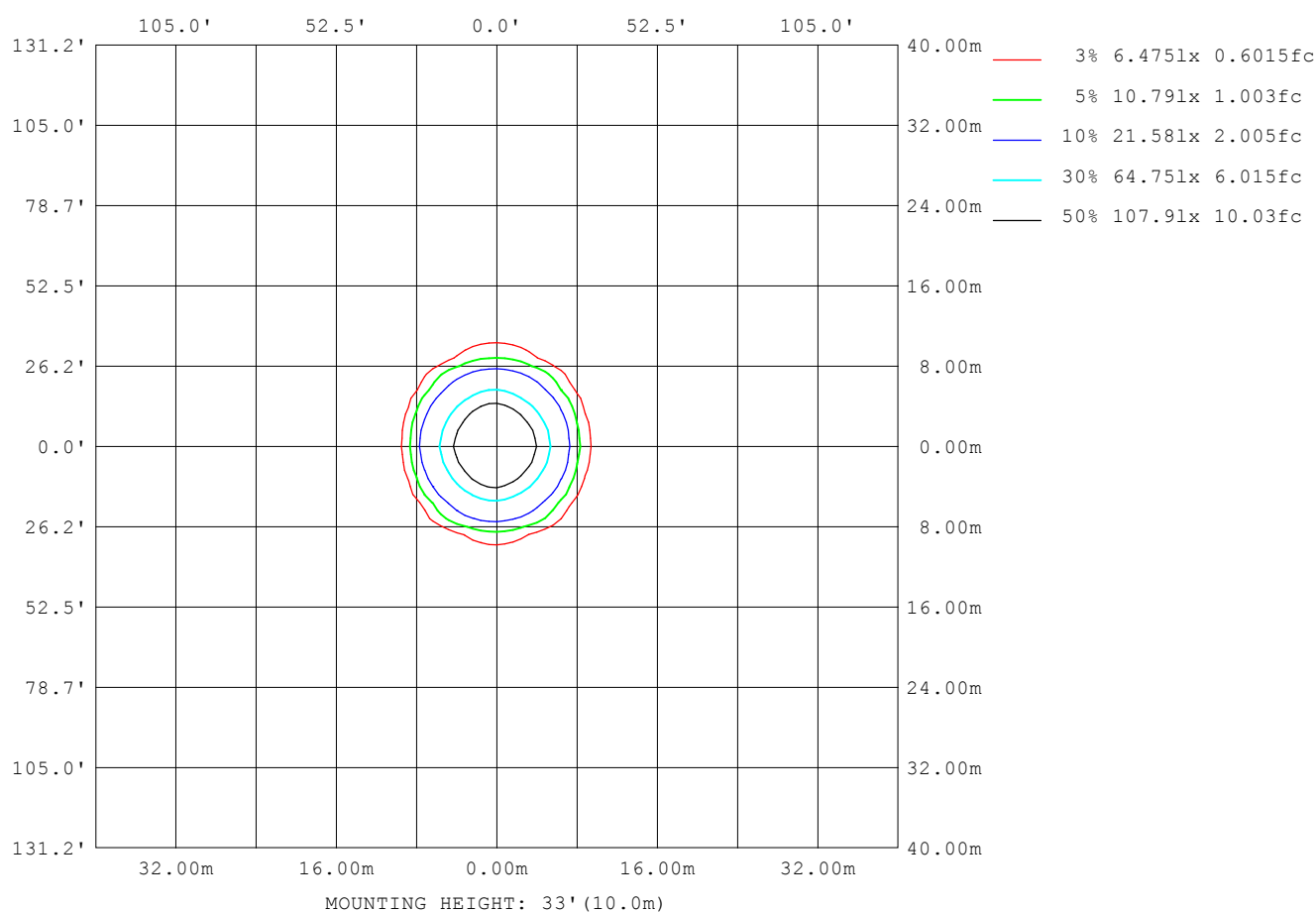


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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:

### ISOLUX DIAGRAM

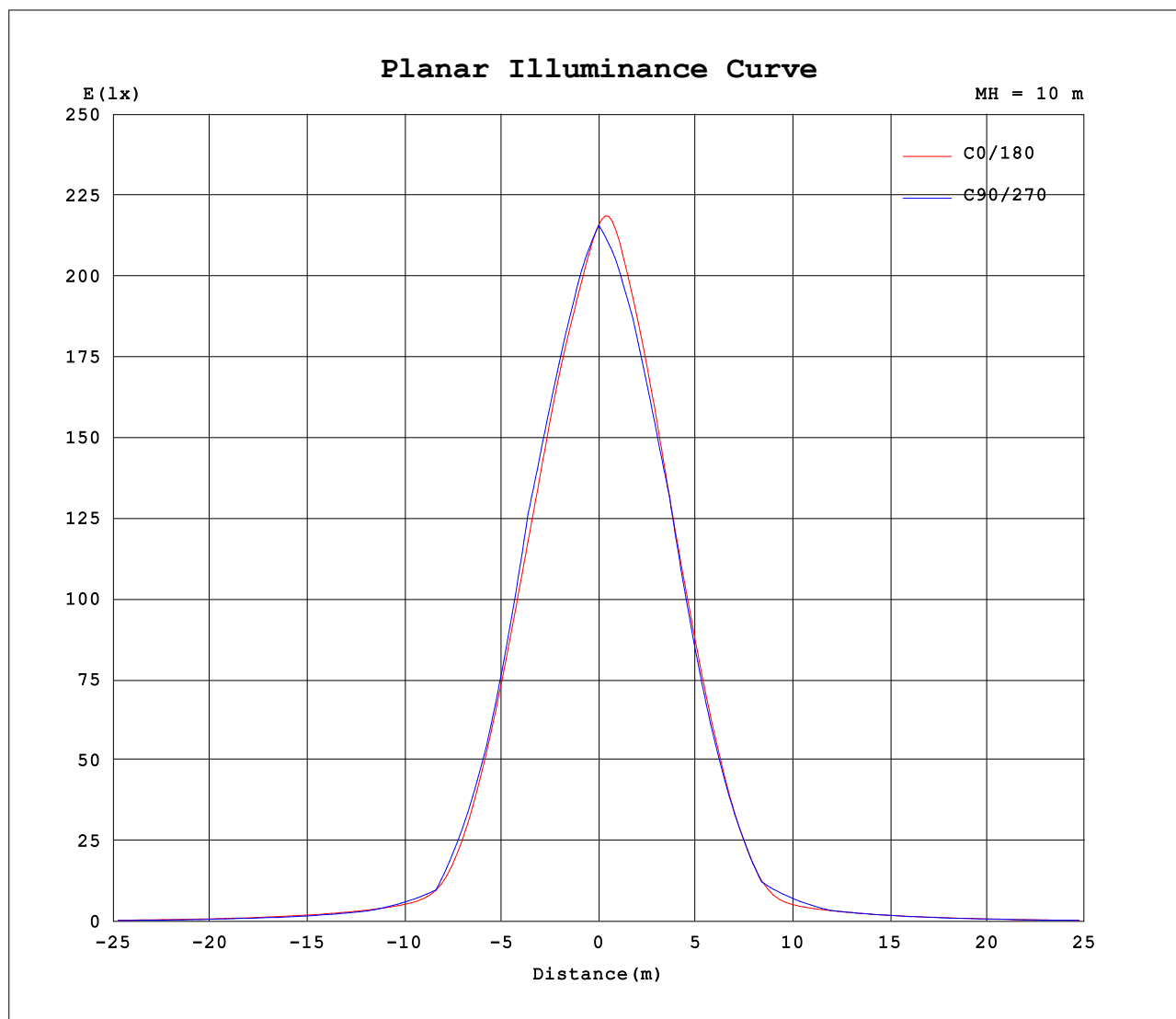
Test:U:220.22V I:0.6498A P:140.89W PF:0.9846 Freq:49.99Hz Lamp Flux:19410.1x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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



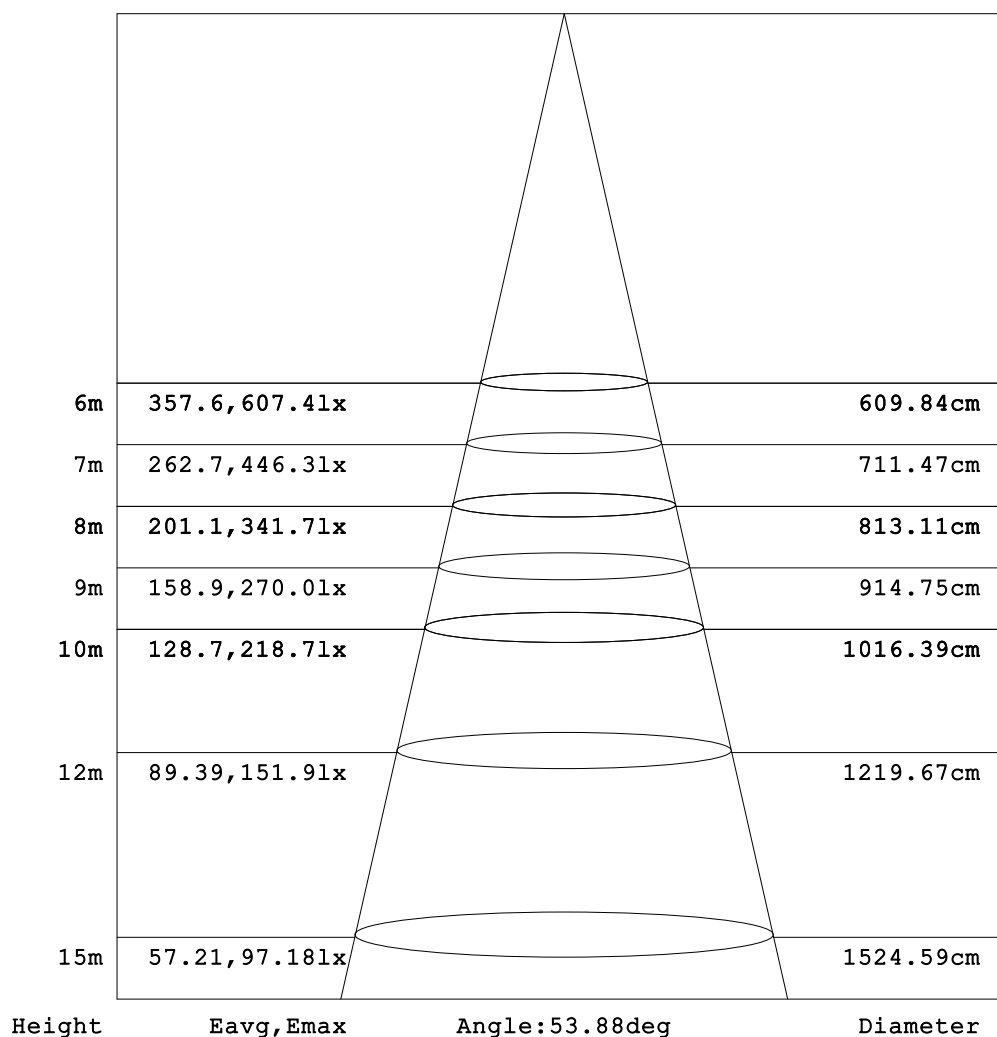
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:18 October 2019

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:220.22V I:0.6498A P:140.89W PF:0.9846 Freq:49.99Hz Lamp Flux:19410.1x1 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:10498 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:220.22V I:0.6498A P:140.89W PF:0.9846 Freq:49.99Hz Lamp Flux:19410.1x1 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	0.25	0.72	3.15	5.46	7.70	10.1	12.6	15.2	17.6	20.0	21.7	23.6	25.7	27.7	29.2	30.4	32.3	36.8	40.4
-75	0.25	1.00	4.92	8.93	13.3	17.9	22.2	26.0	30.3	34.0	37.1	40.2	43.1	45.5	47.1	48.2	49.4	51.7	54.5
-70	0.26	2.64	8.27	14.1	20.7	27.8	33.2	38.3	44.6	49.2	53.6	58.0	61.6	64.0	65.4	66.5	67.0	68.0	68.7
-65	0.25	2.40	9.89	18.5	28.2	36.8	44.3	50.6	57.0	62.4	67.2	71.8	75.9	79.0	80.8	81.8	81.8	82.3	82.9
-60	0.28	5.32	14.6	26.9	39.3	49.1	58.0	65.5	71.7	77.5	82.6	87.3	91.6	94.9	96.7	97.2	96.7	96.9	97.3
-55	0.26	4.16	14.9	28.5	43.4	55.0	64.6	73.1	80.2	86.1	91.6	96.4	101	104	107	109	110	111	111
-50	0.29	7.77	19.7	36.4	52.6	64.8	74.8	83.7	91.2	97.0	103	107	111	115	118	121	123	125	126
-45	0.27	6.29	19.4	36.4	54.9	68.2	78.9	88.4	96.4	103	109	115	120	124	131	142	156	168	172
-40	0.33	10.5	24.6	44.2	63.3	76.2	87.0	96.5	104	111	118	125	130	136	148	169	194	214	219
-35	0.29	8.40	23.2	42.2	63.7	77.7	89.2	99.5	107	115	123	132	158	218	295	380	459	514	532
-30	0.37	12.3	28.0	49.2	70.6	83.9	95.7	106	113	122	131	145	206	329	477	624	749	828	842
-25	0.33	9.98	26.2	46.1	70.3	84.3	96.5	107	116	124	137	193	324	508	705	892	1047	1148	1186
-20	0.41	14.0	31.1	53.8	76.3	89.6	102	112	121	131	155	285	509	765	1011	1228	1393	1496	1520
-15	0.37	11.0	28.4	48.8	74.9	88.9	102	113	122	133	170	342	605	886	1147	1371	1549	1681	1718
-10	0.46	14.8	32.7	56.6	79.7	93.5	106	117	127	140	227	496	813	1117	1379	1593	1764	1905	1889
-5	0.41	11.6	29.7	50.8	77.6	92.1	105	117	127	140	217	490	827	1152	1433	1676	1861	2015	2043
0	0.50	15.5	33.8	59.0	81.8	96.3	110	121	131	151	286	615	976	1309	1590	1842	2023	2170	2158
5	0.44	11.7	29.9	51.7	78.2	92.8	106	118	128	141	222	503	845	1170	1450	1691	1873	2033	2076
10	0.53	15.1	33.3	58.4	80.9	94.8	108	119	129	144	242	524	849	1154	1412	1622	1789	1948	1956
15	0.47	11.3	29.1	51.3	76.6	90.9	104	115	124	136	181	369	646	935	1196	1417	1590	1740	1787
20	0.56	14.5	32.4	57.0	78.7	92.3	105	115	124	135	168	317	561	826	1073	1288	1453	1580	1589
25	0.49	10.5	27.4	49.6	73.2	87.5	100	111	119	128	145	213	363	562	767	959	1116	1235	1273
30	0.58	13.1	29.9	53.3	74.2	87.8	100	111	118	126	136	158	240	380	541	699	832	925	942
35	0.52	9.21	24.8	46.2	67.6	81.9	93.9	105	113	120	128	140	176	247	336	432	521	587	611
40	0.60	11.3	26.9	48.6	67.5	81.0	92.4	102	110	117	124	131	137	148	170	204	241	268	275
45	0.54	7.20	21.3	40.7	59.4	73.1	84.6	94.5	103	109	116	122	127	133	145	162	182	198	204
50	0.61	8.93	22.2	41.0	57.3	70.1	80.9	90.3	97.9	104	110	115	119	122	125	128	131	132	133
55	0.56	4.77	16.7	32.6	48.0	60.2	70.8	79.7	87.3	93.7	99.5	105	109	112	115	116	117	118	119
60	0.61	6.02	16.7	30.9	44.0	54.7	64.5	72.4	79.4	85.6	91.0	96.1	100	103	105	105	104	104	105
65	0.57	2.71	11.3	21.6	32.3	41.9	49.9	57.3	64.3	70.0	75.1	80.3	84.3	87.2	88.8	89.3	89.3	89.7	90.2
70	0.61	3.09	9.60	16.5	24.6	32.6	38.3	45.3	51.6	56.4	61.4	66.3	69.8	72.0	73.3	73.9	74.4	75.4	75.9
75	0.58	1.31	5.84	10.7	16.1	21.8	26.3	30.8	36.2	40.6	44.4	48.2	51.2	53.5	55.0	55.9	56.8	58.2	59.4
80	0.60	1.08	3.89	6.80	9.81	13.2	16.0	18.6	22.9	26.3	28.9	31.5	33.6	35.7	37.2	38.3	39.6	41.6	42.7
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

Test:U:220.22V I:0.6498A P:140.89W PF:0.9846 Freq:49.99Hz Lamp Flux:19410.1x1 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--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	36.3	31.8	30.0	28.7	26.9	24.5	22.2	20.1	18.1	15.5	12.8	10.4	7.69	5.27	2.94	0.81	0.34	0.24	
-75	53.0	50.1	49.0	48.0	46.5	44.1	41.0	37.5	34.1	30.3	25.4	21.5	17.1	11.9	7.57	3.77	0.83	0.27	
-70	68.3	67.8	67.6	66.8	65.2	62.5	58.4	53.5	48.8	43.3	36.2	31.1	24.4	16.6	10.7	5.32	0.67	0.24	
-65	82.9	83.0	83.4	83.2	81.9	79.2	75.2	70.4	65.2	59.5	52.7	45.6	37.5	28.1	18.3	9.20	2.32	0.27	
-60	97.5	98.3	99.4	99.4	97.8	94.4	90.3	85.2	79.5	73.1	66.4	57.1	47.0	35.6	22.0	10.1	1.82	0.24	
-55	112	111	111	110	109	106	102	97.2	91.9	85.8	78.6	69.3	58.5	46.1	30.6	15.2	4.62	0.27	
-50	125	124	123	121	118	115	112	107	102	95.8	87.4	77.2	65.4	51.0	32.5	15.6	3.52	0.25	
-45	169	158	146	136	130	126	121	116	110	104	96.1	86.1	74.3	59.9	40.4	20.6	6.98	0.28	
-40	208	187	165	149	140	135	129	122	116	109	101	90.6	78.1	62.0	39.8	19.6	5.22	0.26	
-35	507	450	376	298	223	165	141	131	123	116	108	97.5	85.2	70.3	47.6	24.9	9.16	0.29	
-30	786	687	556	416	279	181	148	136	127	119	111	99.8	87.0	71.0	45.4	23.3	7.11	0.28	
-25	1125	1012	865	691	504	328	201	149	134	124	116	105	92.4	77.7	52.1	28.2	10.9	0.30	
-20	1423	1285	1108	892	656	415	221	153	137	126	117	106	92.4	76.7	47.8	25.6	8.00	0.29	
-15	1617	1487	1327	1122	877	607	345	185	145	132	122	110	97.1	82.4	54.9	30.4	12.1	0.32	
-10	1761	1633	1469	1259	992	689	382	189	147	133	122	110	96.2	80.6	49.4	27.6	9.11	0.31	
-5	1913	1770	1604	1387	1124	815	488	230	155	137	126	114	100	85.0	56.2	31.7	12.8	0.34	
0	2007	1849	1658	1418	1137	809	469	217	153	137	125	112	98.2	82.1	49.0	28.1	9.25	0.33	
5	1943	1796	1626	1407	1141	830	503	237	156	138	127	115	101	85.6	56.2	31.9	12.9	0.36	
10	1819	1682	1512	1297	1026	720	411	198	149	135	124	111	97.5	81.6	49.0	28.0	9.30	0.34	
15	1678	1544	1378	1171	920	644	377	196	148	134	124	112	98.7	83.8	54.8	31.0	12.4	0.37	
20	1486	1346	1167	950	705	457	248	159	140	129	120	108	94.3	78.2	47.6	26.4	8.26	0.36	
25	1203	1086	934	753	556	366	222	155	137	127	119	108	94.7	79.7	52.3	28.9	11.4	0.39	
30	879	770	632	478	328	208	155	140	130	122	114	103	89.6	73.1	45.7	24.2	7.63	0.37	
35	581	516	432	340	254	184	148	135	127	119	112	101	88.4	73.1	48.4	25.9	9.84	0.41	
40	260	230	195	165	148	140	133	126	120	114	105	94.5	81.8	64.8	40.9	20.7	5.93	0.39	
45	199	184	166	149	137	131	126	120	115	109	101	90.7	78.7	63.5	42.2	21.8	7.83	0.43	
50	132	131	129	127	124	121	117	113	107	101	92.8	82.4	70.3	54.7	34.2	16.8	3.92	0.41	
55	119	118	118	117	115	112	108	104	98.4	92.5	84.9	75.4	64.2	50.6	33.3	16.8	5.31	0.45	
60	105	106	106	106	104	101	97.4	92.6	87.4	80.9	73.5	64.2	53.3	40.2	24.8	11.8	1.89	0.43	
65	90.1	90.3	90.8	90.5	89.2	86.5	82.7	77.9	73.0	67.3	59.9	52.2	43.5	32.9	21.4	10.9	2.70	0.47	
70	75.4	75.2	75.3	74.6	73.2	70.5	66.1	61.2	56.4	51.0	43.3	37.0	29.8	20.9	13.2	6.60	0.89	0.46	
75	58.3	57.1	56.6	55.8	54.3	52.0	48.8	45.0	41.3	37.0	31.7	26.6	21.6	15.6	9.97	4.97	1.11	0.50	
80	40.6	38.7	37.7	36.5	34.5	32.4	29.9	27.3	24.6	21.1	18.0	14.4	10.9	7.84	4.60	1.58	0.59	0.49	
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: