

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1461.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	80.0V x 81.2H
	At 50% of Imax	34.3V x 35.4H
	At 90% of Imax	10.1V x 14.7H

Beam Flux	Total	997.1 lumens per klm.
	To 10% of Imax	681.2 lumens per klm.
	To 50% of Imax	305.9 lumens per klm.
	To 90% of Imax	39.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

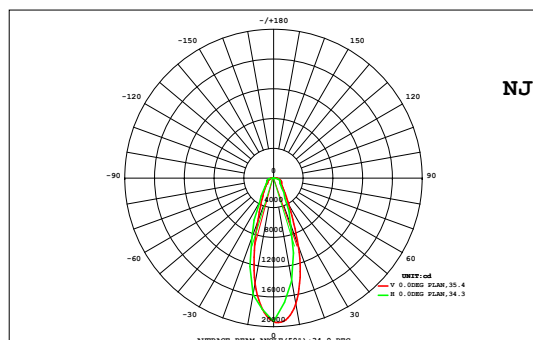
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:15 October 2019

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13309.4x1 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:141.51lm/W	
MODEL NO-V01	RZ-30-PC-U-GR	Imax (cd)	19446
NOMINAL POWER (W)	100	AVAILABILITY (%)	68.0
RATED VOLTAGE (V)	220	Avail. FLUX (lm)	9045
NOMINAL FLUX (lm)	13309.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	13309
TEST VOLTAGE (V)	220	θ @50% (H, V)	35, 34DEG

		AREA FLUX DIAGRAM															UNIT:lm			Φ t	Φ a	
VERTICAL (DEG)	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		
	80	0.49	3.57	7.78	12.5	17.4	21.8	25.3	27.9	29.4	28.9	26.4	23.1	19.2	14.8	10.3	6.06	2.47	0.25	278	0.00	
	70	0.66	4.06	8.84	14.4	19.9	24.1	27.0	29.3	31.5	31.1	28.5	25.7	22.3	17.6	12.3	7.30	3.20	0.43	308	0.00	
	60	0.84	4.80	10.7	17.1	22.2	26.1	29.8	32.7	34.4	34.2	32.4	29.2	25.1	20.6	15.1	9.01	3.86	0.59	349	0.00	
	50	0.99	5.42	12.1	18.5	23.6	30.2	38.5	45.7	49.4	49.0	44.7	37.3	29.2	22.7	17.1	10.5	4.43	0.71	440	23.0	
	40	1.10	5.86	12.8	19.1	26.6	38.9	56.2	74.3	85.4	83.9	70.6	52.6	36.8	25.5	18.1	11.4	4.84	0.80	625	363	
	30	1.16	6.14	13.1	19.8	30.6	50.5	85.4	137	174	168	123	75.6	46.1	28.8	19.0	11.8	5.09	0.86	995	811	
	-30	1.22	6.32	13.2	20.7	34.4	62.9	128	256	353	336	216	105	55.4	31.8	19.7	11.9	5.22	0.90	1657	1500	
		1.24	6.40	13.3	21.2	36.7	71.0	164	372	533	505	303	126	61.2	33.5	20.1	12.0	5.28	0.91	2286	2140	
		1.23	6.38	13.3	21.1	36.3	70.0	161	365	523	494	289	121	59.7	33.0	20.0	11.9	5.24	0.91	2232	2084	
		1.20	6.28	13.2	20.5	33.3	59.6	120	234	316	301	188	94.1	52.2	30.6	19.3	11.7	5.12	0.88	1507	1343	
		1.14	6.07	13.1	19.6	29.4	46.8	75.4	110	133	126	95.0	65.0	42.2	27.2	18.4	11.4	4.90	0.83	826	624	
		1.05	5.72	12.7	18.9	25.5	35.7	48.3	58.9	64.1	62.9	56.4	45.3	33.3	24.0	17.4	10.9	4.58	0.75	526	158	
		0.94	5.21	11.7	18.1	23.0	28.2	34.2	38.7	40.6	40.4	37.9	32.9	26.8	21.4	16.2	9.84	4.11	0.65	391	0.00	
		0.80	4.52	10.1	16.5	21.6	25.0	27.8	30.0	31.4	31.2	29.4	26.7	23.2	19.4	14.0	8.26	3.51	0.53	324	0.00	
	-70	0.64	3.73	8.15	13.4	18.9	23.1	25.6	27.4	29.2	28.5	26.2	23.8	20.6	16.1	11.0	6.44	2.81	0.38	286	0.00	
-80	0.43	2.75	5.90	9.54	13.4	17.0	19.9	22.0	23.1	22.5	20.5	17.8	14.5	11.0	7.56	4.47	1.90	0.19	214	0.00		
-90	0.15	0.96	2.02	3.15	4.28	5.34	6.30	6.90	6.84	6.69	6.28	5.39	4.32	3.26	2.25	1.30	0.43	0.01	65.9	0.00		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)					20	30	40	50	60	70	80	90
Φ t	15.3	84.2	182	284	417	636	1072	1869	2457	2348	1594	905	572	381	258	156	67.0	10.6	13309	---		
Φ a	0.00	0.00	0.00	0.00	17.9	307	776	1582	2171	2064	1303	611	213	0.45	0.00	0.00	0.00	0.00	---	9045		

one-half-peak spread: U:16.1,D:18.5 , L:18.1,R:17.5

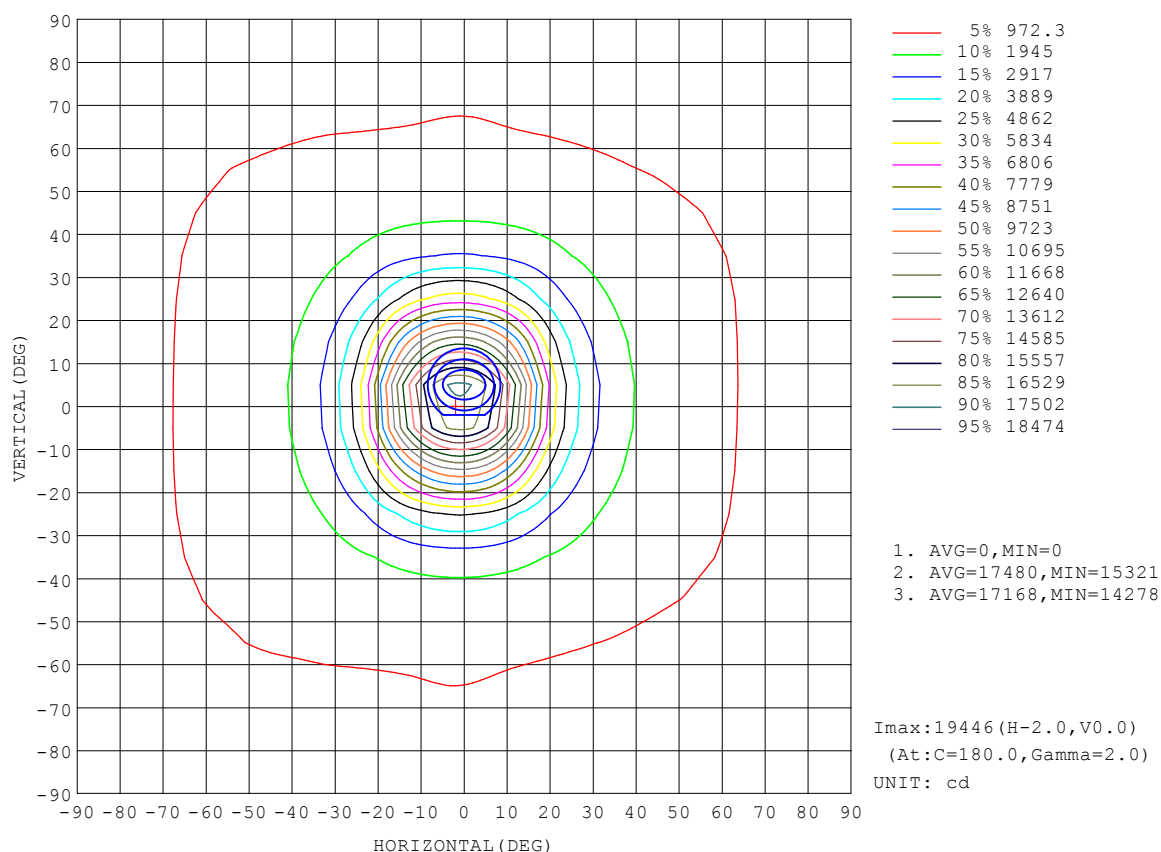
NEMA Beam Type: Type 5

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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:
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ISOCANDELA DIAGRAM

Test:U:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13309.4x1 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

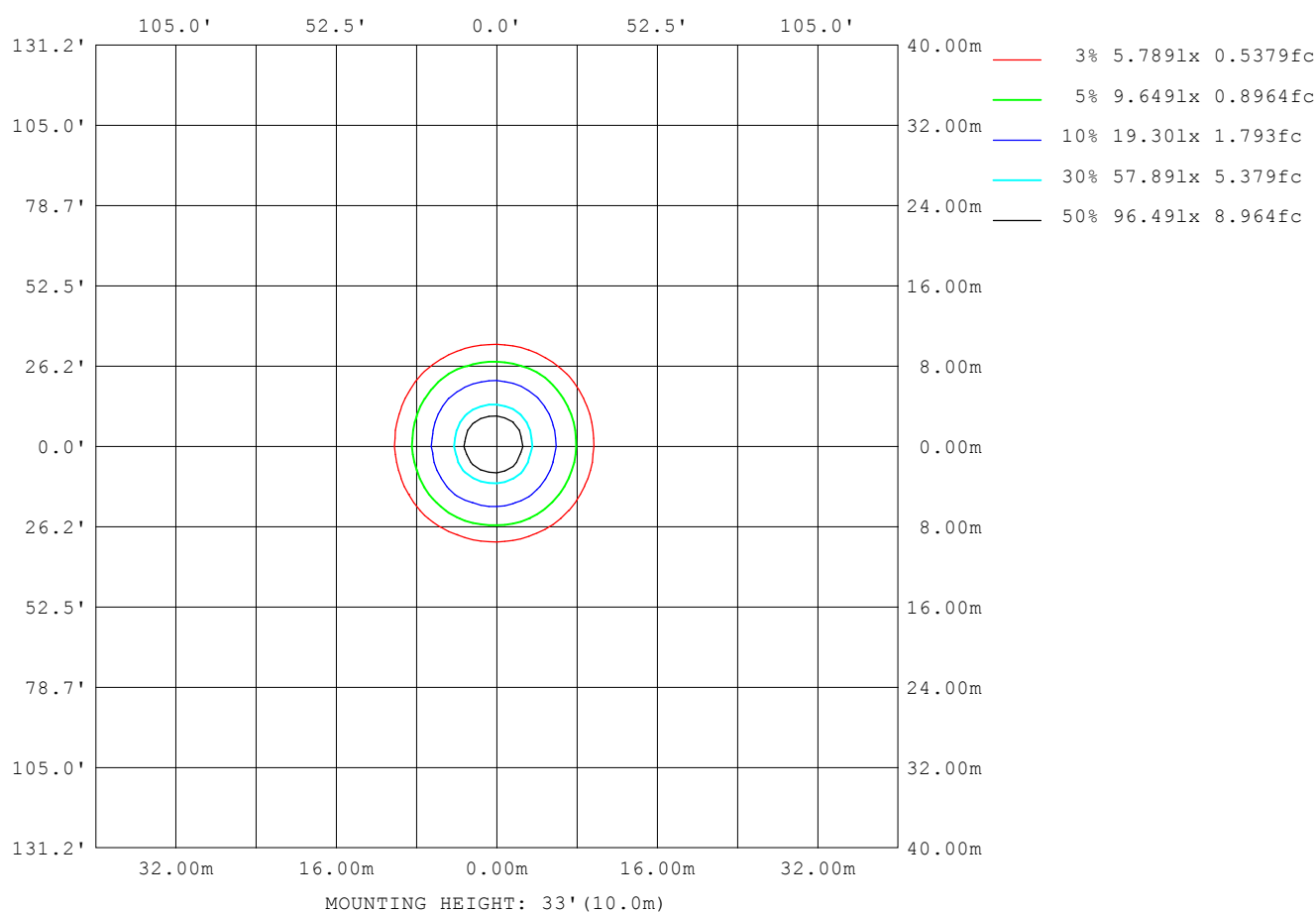


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:15 October 2019

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:

ISOLUX DIAGRAM

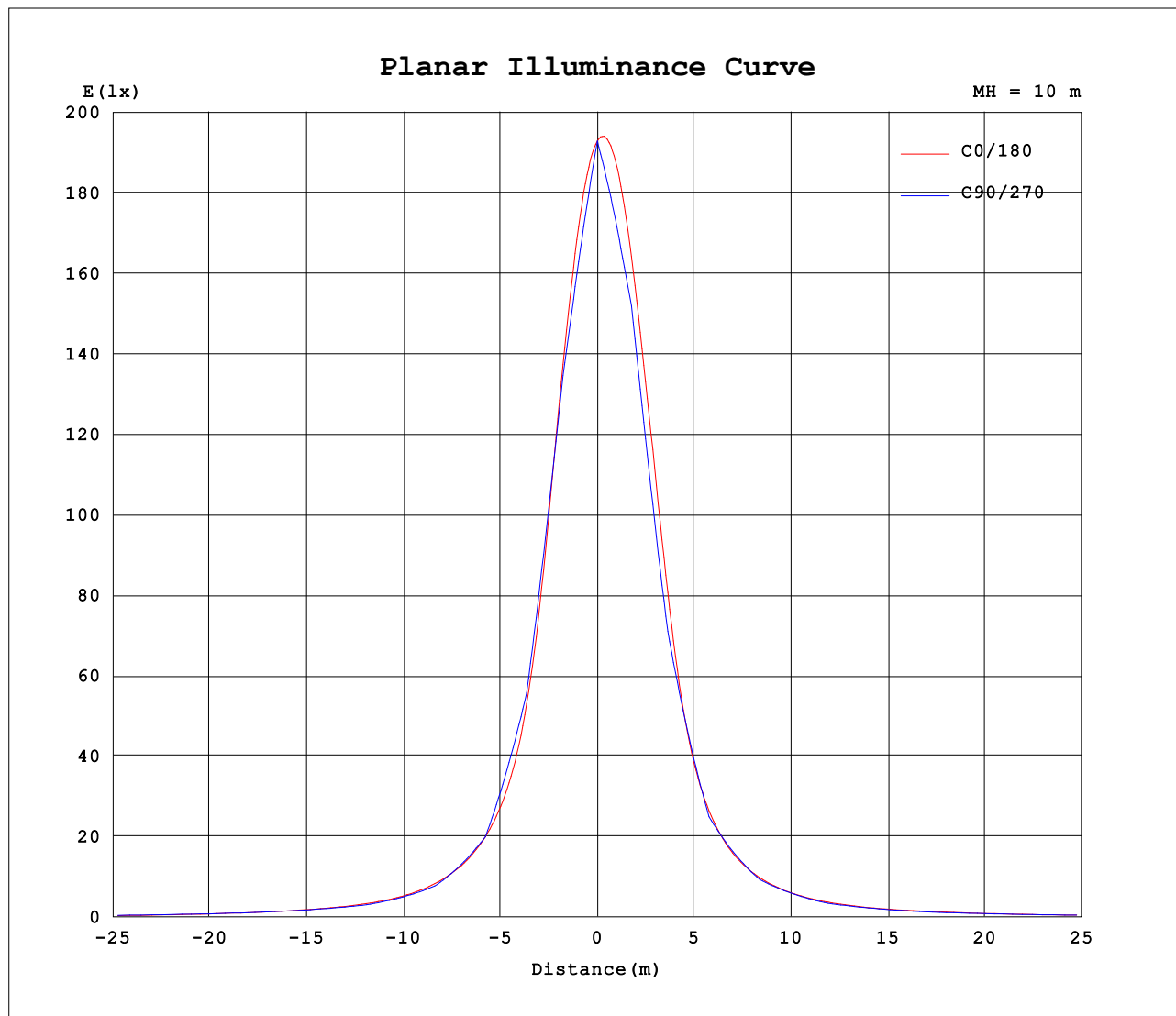
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SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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:

Planar Illuminance Curve



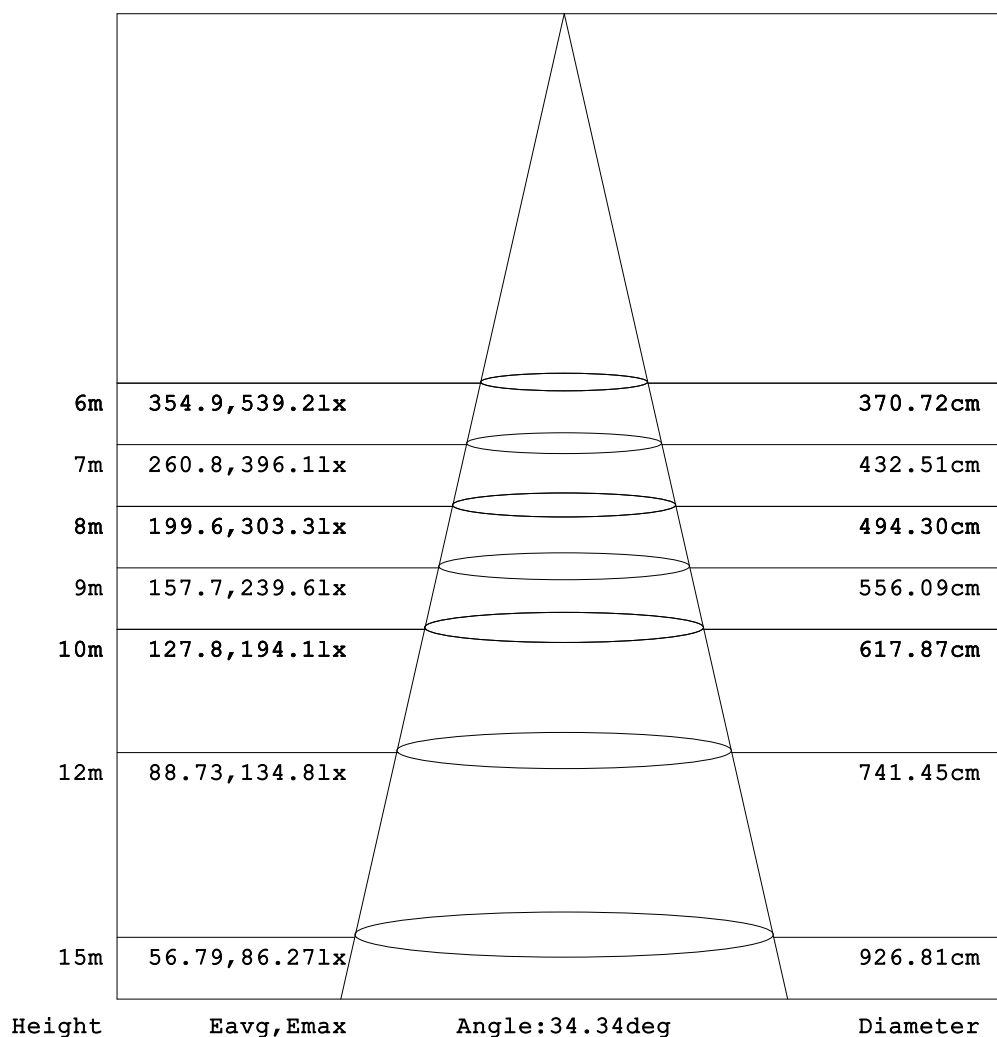
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:15 October 2019

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:

AAI Figure

Test:U:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13309.4x1 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(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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.97V I:0.4344A P:94.051W PF:0.9843 Freq:49.99Hz Lamp Flux:13309.4x1 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	0.32	7.60	20.4	27.1	31.9	35.7	39.0	41.8	44.5	46.7	48.8	50.6	52.2	53.7	54.8	55.4	55.2	54.4	53.6
-75	0.28	7.37	24.5	33.2	39.4	44.6	49.2	53.4	57.3	60.8	63.8	66.2	68.1	69.6	70.9	72.0	72.7	73.1	72.6
-70	0.38	15.2	32.9	41.9	49.1	55.4	61.3	66.6	71.6	76.2	79.8	82.6	84.6	86.1	87.5	88.9	90.5	91.9	91.3
-65	0.24	12.8	34.8	45.5	54.0	61.9	69.2	75.4	81.1	86.0	89.3	91.2	92.1	92.4	92.8	93.6	95.1	96.9	96.9
-60	0.49	22.8	41.7	52.6	62.1	71.4	79.8	86.6	92.7	97.5	99.7	100	99.8	98.9	98.4	98.8	101	102	102
-55	0.20	18.3	42.3	54.9	66.0	76.7	85.9	92.8	97.9	100	101	102	103	104	105	106	108	109	109
-50	0.58	29.2	48.5	61.6	74.2	86.0	95.1	101	105	104	103	104	106	109	112	114	115	116	116
-45	0.17	24.3	48.3	62.9	76.6	89.1	98.5	104	106	107	109	114	120	127	133	138	142	144	144
-40	0.71	34.9	54.4	69.7	84.3	96.6	105	107	108	111	117	126	136	147	157	164	169	172	172
-35	0.19	29.8	53.1	69.4	84.4	97.3	105	108	111	117	127	141	159	178	198	216	230	239	241
-30	0.80	38.2	58.7	75.2	90.2	102	107	109	115	126	142	164	189	217	247	274	296	308	309
-25	0.24	33.5	56.7	73.9	89.1	101	107	110	118	132	153	181	218	267	329	394	449	484	492
-20	0.92	40.8	62.0	78.9	93.4	104	108	114	126	146	174	212	266	341	438	539	620	668	673
-15	0.31	35.6	59.1	76.7	91.4	102	108	114	127	149	180	225	292	397	560	756	917	1019	1046
-10	1.01	42.1	63.7	80.9	94.4	104	110	119	135	163	202	261	353	508	760	1045	1266	1394	1410
-5	0.43	36.6	60.4	78.2	92.3	102	109	118	134	161	200	260	355	517	797	1151	1444	1633	1678
0	1.05	42.9	64.7	81.9	94.8	104	111	121	141	172	219	290	407	616	973	1385	1720	1914	1930
5	0.56	36.8	60.6	78.4	92.4	102	109	118	135	163	204	267	366	536	834	1211	1526	1726	1771
10	1.12	42.5	64.1	81.3	94.4	104	110	120	138	168	211	276	378	553	844	1176	1436	1582	1591
15	0.69	36.1	59.8	77.3	91.5	102	108	116	130	154	190	241	318	441	637	880	1082	1205	1230
20	1.12	41.6	62.9	79.6	93.4	104	109	116	130	153	186	232	298	394	527	676	792	854	856
25	0.83	34.5	57.8	74.9	89.6	101	107	112	122	139	164	198	245	308	392	488	567	614	623
30	1.15	39.3	60.1	76.4	91.0	102	107	111	119	133	154	181	214	253	295	335	366	384	385
35	0.94	32.0	54.8	71.2	86.0	98.5	106	108	113	122	136	155	179	205	234	261	282	295	298
40	1.19	36.5	56.5	72.0	86.6	98.6	105	107	110	116	126	139	154	169	184	196	204	209	209
45	1.01	27.3	50.5	65.8	79.8	92.2	101	105	107	110	115	123	132	143	152	161	166	170	170
50	1.23	31.7	51.1	65.2	78.4	90.0	98.4	104	105	105	106	110	115	120	124	128	130	131	131
55	1.05	20.1	44.9	58.5	70.4	81.4	90.4	96.8	100	102	103	105	107	109	112	114	116	117	117
60	1.24	24.8	44.7	56.6	67.0	76.8	85.4	91.5	96.4	99.6	100	100.0	99.6	99.7	100	101	102	103	103
65	1.08	12.9	37.4	49.5	58.8	67.4	75.2	81.5	86.6	90.9	93.3	94.6	95.2	95.6	96.2	97.1	98.7	101	101
70	1.23	15.3	35.7	46.4	54.2	61.2	67.9	73.6	78.7	83.4	87.0	89.7	91.0	91.6	92.7	94.0	96.5	99.3	100.0
75	1.12	7.18	27.3	37.9	45.2	51.2	56.7	61.5	65.7	69.6	72.9	75.4	77.2	78.4	79.7	80.9	82.5	83.9	84.2
80	1.21	7.86	23.8	32.8	38.8	43.6	47.6	51.1	54.3	57.2	59.9	62.0	63.9	65.7	67.1	68.4	69.1	68.8	68.0
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: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:13309.4x1 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--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	53.2	52.5	51.0	49.1	47.0	44.7	42.2	39.7	37.1	34.5	31.5	28.5	25.0	20.7	15.1	6.84	0.45	0.33	
-75	71.4	69.5	67.4	65.1	62.8	60.2	57.4	54.2	50.8	47.1	43.2	39.1	34.6	29.8	23.8	15.4	3.81	0.35	
-70	88.8	85.8	82.9	80.2	77.6	74.7	71.4	67.5	63.0	58.2	53.3	47.9	42.5	36.6	29.7	19.8	3.45	0.33	
-65	94.9	92.1	89.7	87.8	86.0	84.1	81.6	78.3	74.2	68.9	63.3	57.3	50.5	43.5	35.9	26.2	9.63	0.35	
-60	99.9	97.3	95.7	94.6	93.6	92.5	90.5	87.6	83.4	77.3	71.1	64.0	55.8	47.5	38.7	27.6	7.31	0.33	
-55	108	106	104	102	100.0	97.7	95.1	92.6	90.1	86.2	80.2	73.2	64.5	54.6	44.5	33.4	15.3	0.36	
-50	115	114	112	109	105	102	98.5	96.6	95.6	92.9	86.7	79.3	69.3	57.8	46.3	33.9	11.8	0.34	
-45	143	140	136	130	123	116	110	104	101	97.3	93.0	86.7	76.9	64.6	51.9	39.1	20.4	0.37	
-40	170	165	158	149	139	128	118	110	104	100	97.3	90.7	79.7	66.2	52.6	38.6	16.2	0.35	
-35	236	224	208	189	170	152	136	122	112	105	100	95.2	85.3	71.9	57.8	43.7	24.6	0.39	
-30	298	277	251	222	194	170	148	130	117	108	102	96.7	85.8	71.8	57.6	42.6	19.4	0.36	
-25	471	421	356	294	243	203	171	146	127	114	105	99.5	89.8	76.2	62.1	47.2	27.5	0.42	
-20	628	539	435	344	274	223	183	153	131	116	106	99.7	88.6	75.1	60.9	45.1	22.5	0.39	
-15	992	850	648	463	341	263	209	170	142	123	110	102	91.8	78.8	65.0	49.5	29.4	0.46	
-10	1312	1087	779	523	371	278	218	175	144	123	111	102	89.9	77.3	63.2	47.0	24.2	0.43	
-5	1578	1328	969	632	427	311	238	188	153	129	114	104	92.7	80.3	66.6	50.8	30.3	0.50	
0	1767	1439	1007	640	427	308	235	185	150	127	113	103	90.2	78.2	64.1	47.5	24.5	0.47	
5	1658	1401	1028	667	444	320	243	191	155	130	115	105	93.2	80.7	67.1	51.1	30.6	0.55	
10	1467	1228	889	583	401	295	227	181	148	126	112	103	90.8	78.2	64.1	47.6	24.6	0.50	
15	1158	999	765	532	378	284	222	179	148	126	113	104	93.4	80.4	66.3	50.5	30.0	0.60	
20	799	687	539	406	311	245	197	162	137	120	109	102	90.8	77.2	62.6	46.3	23.3	0.53	
25	594	530	440	349	278	225	186	156	134	118	108	102	92.6	79.0	64.5	48.8	28.6	0.65	
30	369	340	302	260	222	189	162	140	123	112	105	99.3	89.2	75.2	60.3	44.4	21.7	0.56	
35	290	273	249	222	195	170	149	132	119	110	104	98.4	89.2	75.8	61.2	46.0	26.2	0.70	
40	205	197	186	172	157	143	129	118	110	104	101	94.8	84.2	70.7	56.1	41.1	18.6	0.60	
45	168	164	157	149	139	128	119	111	106	102	97.7	91.5	82.0	69.5	55.8	42.0	22.7	0.74	
50	130	128	125	121	116	110	105	102	99.3	97.6	92.7	85.0	75.2	62.9	50.2	36.9	13.0	0.65	
55	116	115	113	110	107	104	101	97.7	95.0	91.7	86.7	79.6	70.5	59.8	48.7	36.8	17.3	0.78	
60	102	100	99.2	98.1	96.9	95.7	94.5	92.8	89.7	84.1	78.1	71.0	61.8	52.3	42.8	30.9	7.34	0.71	
65	99.9	97.1	94.9	93.2	91.5	89.9	88.0	85.4	81.7	76.3	70.6	64.4	56.6	48.6	40.2	29.5	10.5	0.82	
70	97.0	92.8	89.9	87.6	85.4	83.4	80.6	76.7	71.8	66.2	60.8	54.8	48.2	41.6	33.9	22.4	3.68	0.77	
75	82.6	79.8	77.2	75.0	72.6	70.2	67.5	64.3	60.3	55.8	51.4	46.7	41.2	35.3	28.2	18.5	4.58	0.86	
80	67.1	65.7	63.6	61.4	58.8	56.0	53.2	50.4	47.0	43.7	40.2	36.4	31.8	26.4	19.2	9.91	1.26	0.84	
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: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: