

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	544.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	133.0V x 128.3H
	At 50% of Imax	85.7V x 79.8H
	At 90% of Imax	47.9V x 45.8H

Beam Flux	Total	998.3 lumens per klm.
	To 10% of Imax	933.2 lumens per klm.
	To 50% of Imax	674.0 lumens per klm.
	To 90% of Imax	270.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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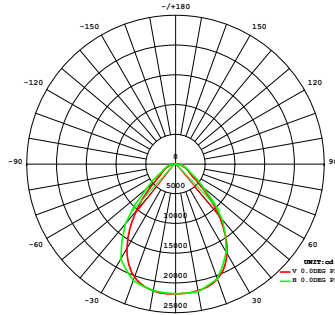
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 October 2019

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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:1.3026A P:282.67W PF:0.9865 Freq:49.99Hz Lamp Flux:40070.5x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

	DATA OF LAMP		Eff:141.76lm/W	
	NJZ-EMD-B10-V01-RZ-90-PC-U-GR		Imax(cd)	21834
	NOMINAL POWER(W)	300	AVAILABILITY(%)	93.2
	RATED VOLTAGE(V)	220	Avai. FLUX(lm)	37349
	NOMINAL FLUX(lm)	40070.5	LOR(%)	100.0
	LAMPS INSIDE	1	TOTAL FLUX(lm)	40070
	TEST VOLTAGE(V)	220	θ @50%(H,V)	80,86DEG

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	0.22	2.36	7.12	13.7	21.7	29.6	36.8	42.0	44.8	44.8	41.9	36.7	29.2	20.9	12.9	6.21	1.73	0.11	393	0.00
70	0.41	4.03	12.0	22.3	33.2	44.7	55.6	63.4	67.4	67.5	63.6	55.8	44.6	32.7	21.5	11.2	3.49	0.26	604	188
60	0.60	5.73	16.6	30.4	46.2	64.2	86.3	110	127	127	111	87.2	64.6	46.2	30.1	16.2	5.35	0.44	975	811
50	0.76	7.11	20.2	37.2	59.4	98.9	164	235	278	278	233	163	99.6	60.0	37.2	19.9	6.77	0.60	1799	1702
40	0.91	8.24	23.2	43.5	80.7	173	307	422	479	477	415	301	171	81.1	43.5	22.8	7.83	0.73	3058	2988
30	1.02	9.07	25.4	49.6	116	265	433	552	603	599	541	422	258	114	49.8	25.1	8.63	0.84	4073	4016
	1.10	9.66	27.0	55.7	152	330	502	608	648	646	600	489	318	147	55.5	26.6	9.08	0.91	4624	4573
	1.12	9.91	27.7	59.6	169	354	525	622	658	659	620	516	345	164	59.0	27.3	9.30	0.94	4827	4779
	1.12	9.91	27.7	59.1	165	347	516	617	658	660	618	511	338	159	57.9	27.1	9.17	0.93	4782	4733
	1.07	9.58	26.7	54.6	142	309	478	589	640	641	590	474	302	137	53.6	26.2	8.86	0.89	4482	4430
-30	0.99	9.05	25.2	49.0	109	244	399	516	573	573	516	396	236	104	48.1	24.5	8.28	0.80	3830	3772
-40	0.86	8.23	23.0	43.1	77.1	159	280	386	443	443	385	277	155	74.5	42.7	22.4	7.54	0.70	2828	2756
-50	0.72	7.25	20.4	37.8	59.9	98.2	164	234	277	276	231	159	93.8	58.6	37.2	19.7	6.56	0.56	1780	1684
-60	0.54	5.84	16.7	31.1	47.3	63.6	81.5	104	120	119	102	79.7	62.8	46.9	30.6	16.3	5.26	0.40	934	771
-70	0.36	4.12	12.2	22.8	34.6	46.7	56.7	61.9	63.6	63.6	61.8	56.4	46.1	34.0	22.3	11.6	3.55	0.23	603	145
-80	0.21	2.21	6.78	13.3	20.7	28.7	35.7	40.5	43.2	43.1	40.4	35.3	27.9	20.0	12.7	6.17	1.72	0.10	379	0.00
-90	0.07	0.52	1.61	3.29	5.59	7.84	9.67	11.2	12.4	12.1	10.8	9.23	7.19	4.85	2.59	1.02	0.20	0.01	100	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	12.1	113	320	626	1340	2664	4131	5213	5735	5729	5180	4068	2597	1303	617	310	103	9.43	40070	---
Φ a	0.00	0.00	68.5	440	1178	2508	3973	5051	5569	5565	5017	3904	2441	1142	433	58.8	0.00	0.00	---	37349

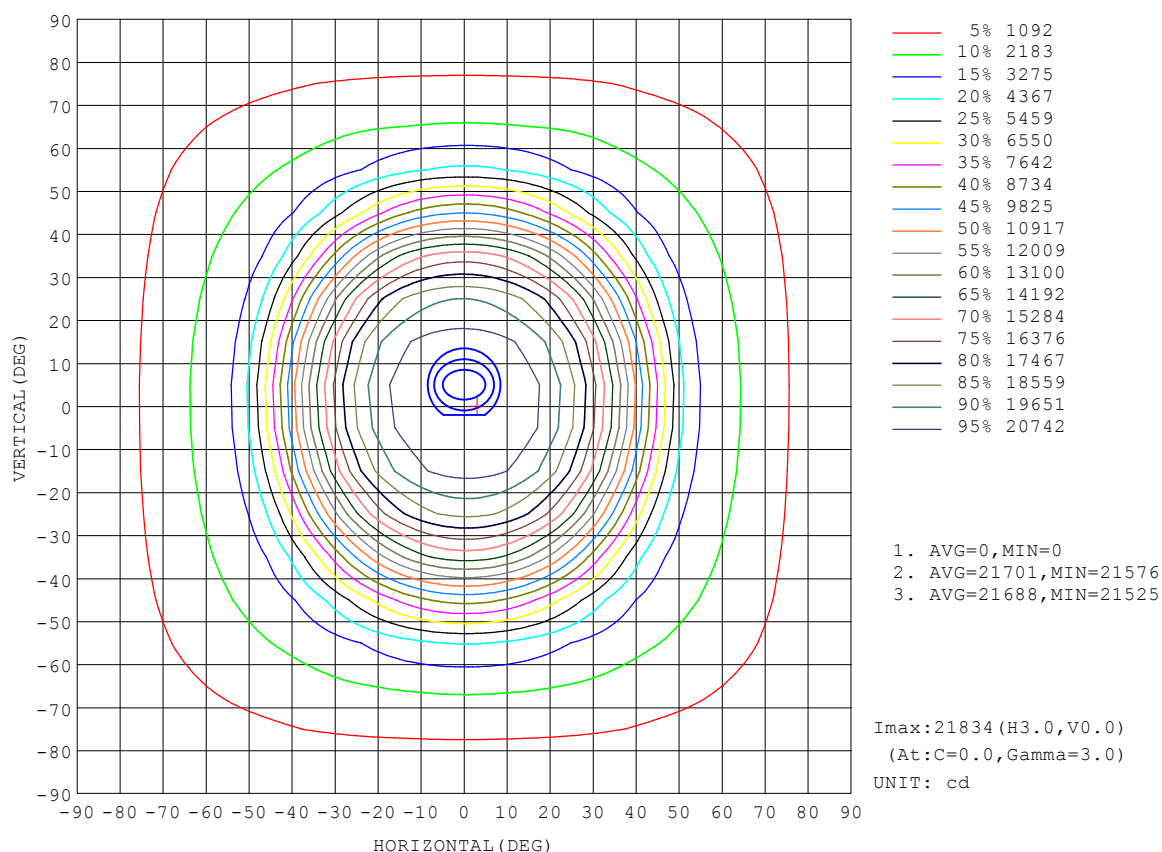
one-half-peak spread: U:42.5,D:43.6 , L:43.9,R:36.2 Beam Type: Type 6 x 7 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 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:1.3026A P:282.67W PF:0.9865 Freq:49.99Hz Lamp Flux:40070.5x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

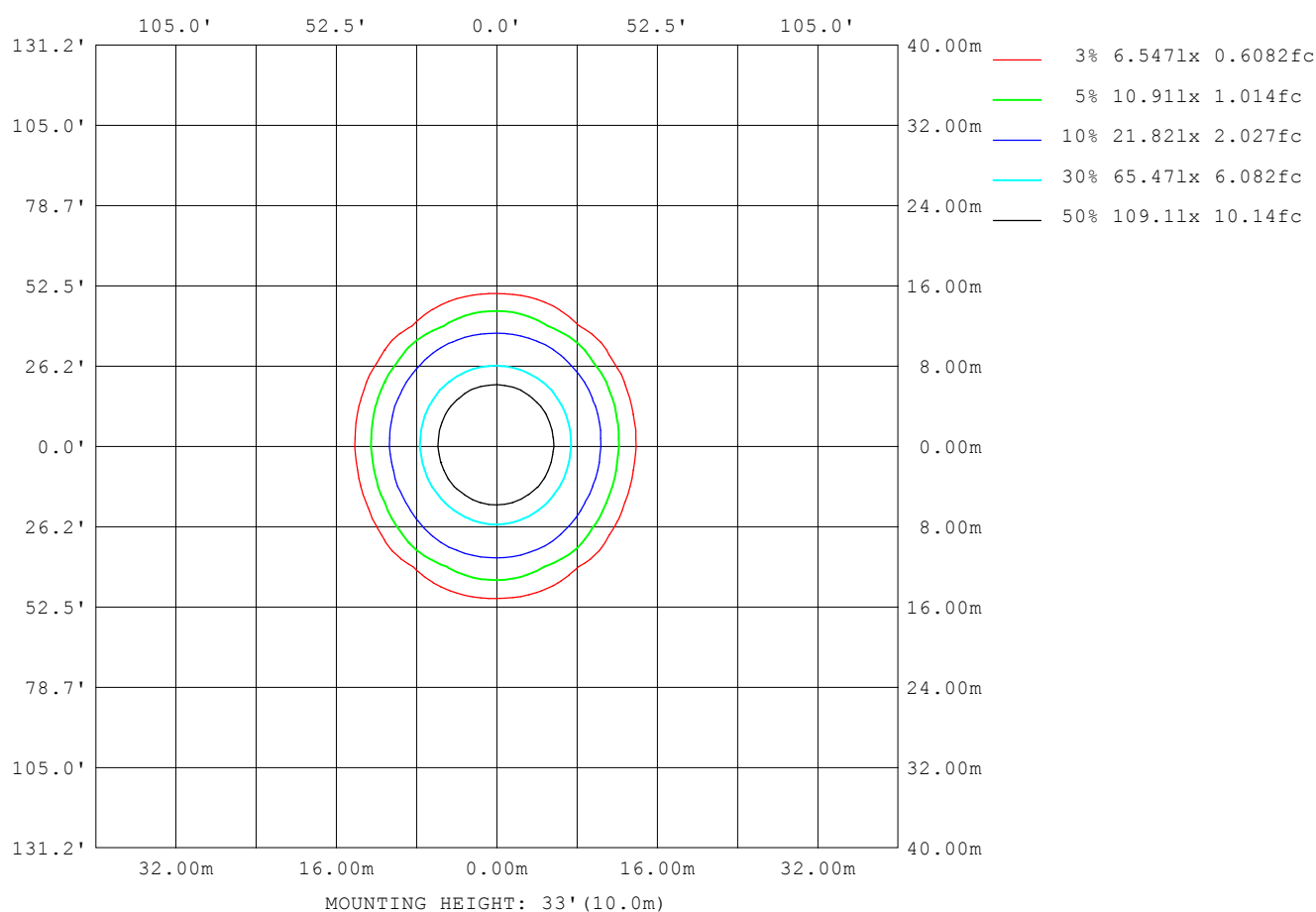


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Temperature:25.3DEG  
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Test Date:19 October 2019

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V(B) Interval: 5.0DEG  
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Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

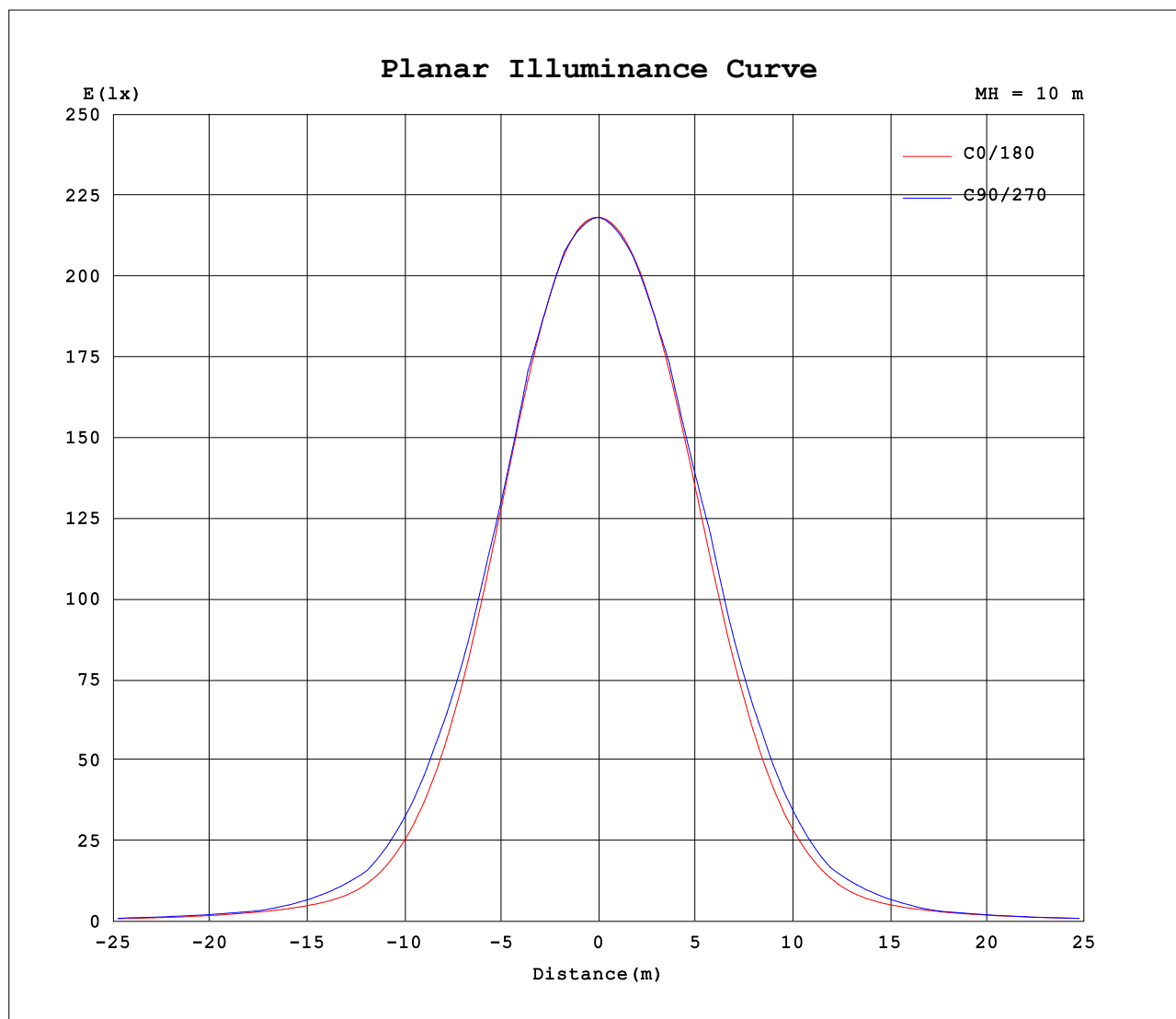
Test:U:219.97V I:1.3026A P:282.67W PF:0.9865 Freq:49.99Hz Lamp Flux:40070.5x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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Test Speed: HIGH  
Temperature:25.3DEG  
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Test Date:19 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



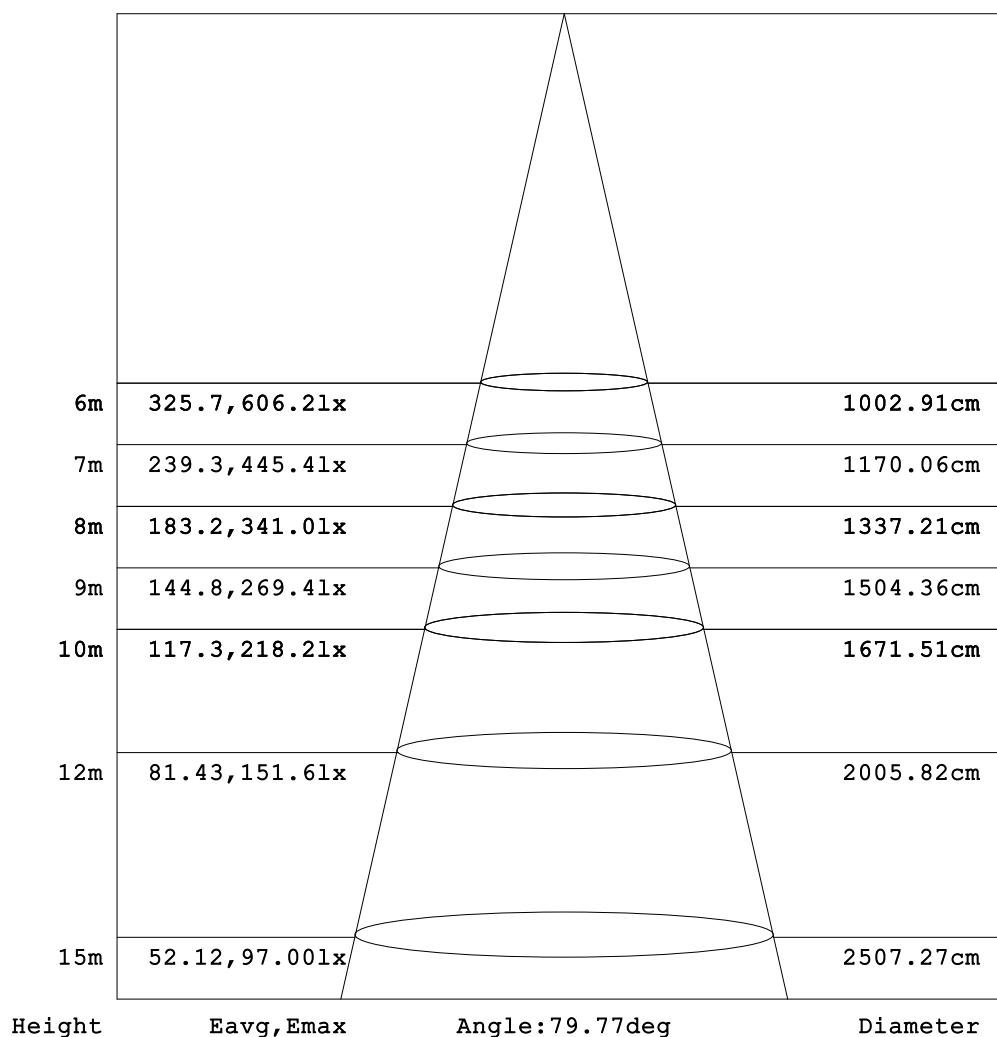
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:19 October 2019

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:1.3026A P:282.67W PF:0.9865 Freq:49.99Hz Lamp Flux:40070.5x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:25937 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:19 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:1.3026A P:282.67W PF:0.9865 Freq:49.99Hz Lamp Flux:40070.5x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	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	3.37	4.51	9.18	16.8	24.6	33.3	41.8	49.5	58.5	66.3	73.5	80.0	85.6	90.0	93.5	97.1	101	103	103
-75	2.58	4.78	12.2	25.3	38.1	50.8	62.8	74.7	85.4	95.0	105	114	123	129	135	139	142	144	145
-70	3.41	6.67	20.5	38.9	56.9	73.0	88.7	104	116	128	140	152	163	171	178	181	184	187	187
-65	2.56	6.45	22.8	46.5	69.4	90.1	109	127	143	158	172	186	200	211	221	227	232	235	237
-60	3.48	10.5	35.0	63.5	90.6	115	137	157	176	193	210	226	242	256	267	275	281	285	286
-55	2.56	9.12	34.6	66.6	98.2	125	150	174	196	217	239	263	289	321	355	389	417	436	443
-50	3.53	14.9	47.1	83.1	117	146	174	200	224	250	278	309	348	399	458	515	562	591	600
-45	2.59	12.4	45.1	83.1	121	152	183	211	240	274	319	389	480	583	686	779	851	896	913
-40	3.64	19.9	57.2	99.5	138	171	204	235	269	313	385	502	650	808	955	1075	1162	1213	1227
-35	2.63	15.8	52.7	95.4	137	173	207	241	281	344	456	616	804	993	1160	1294	1389	1447	1468
-30	3.74	24.7	63.4	110	151	188	224	262	313	411	584	803	1035	1249	1425	1557	1646	1695	1709
-25	2.69	19.8	58.3	105	150	189	227	268	331	463	674	927	1181	1407	1590	1723	1811	1863	1882
-20	3.88	29.7	69.0	120	164	205	245	294	389	589	861	1154	1422	1647	1815	1930	2004	2044	2056
-15	2.76	23.2	62.3	111	159	201	242	293	393	605	891	1196	1477	1707	1875	1988	2059	2099	2114
-10	3.95	31.3	71.4	125	171	213	257	318	464	728	1042	1356	1631	1844	1988	2081	2135	2164	2173
-5	2.81	24.6	64.2	115	165	207	250	309	445	708	1026	1346	1628	1850	1999	2091	2142	2167	2177
0	4.05	32.6	72.7	129	176	218	264	334	515	809	1141	1455	1725	1926	2054	2126	2162	2177	2182
5	2.78	24.8	64.4	115	166	208	252	312	457	730	1054	1377	1659	1879	2023	2106	2147	2165	2170
10	4.20	32.0	71.2	126	173	215	260	326	493	776	1099	1417	1692	1901	2034	2108	2142	2156	2159
15	2.79	24.2	62.8	112	162	203	244	298	416	656	959	1273	1555	1785	1947	2044	2094	2117	2122
20	4.18	30.9	68.8	121	167	207	248	301	417	651	946	1250	1520	1746	1907	2006	2059	2082	2085
25	2.94	22.6	59.1	105	153	191	230	273	348	510	754	1030	1297	1533	1718	1842	1917	1955	1966
30	4.01	27.8	63.7	111	154	191	227	267	327	457	667	921	1175	1404	1588	1716	1796	1837	1845
35	3.12	20.1	53.3	94.1	139	174	208	243	286	364	502	690	901	1106	1285	1422	1514	1566	1582
40	3.87	24.4	56.8	98.1	139	171	203	233	268	316	403	542	711	886	1045	1172	1259	1307	1317
45	3.29	16.9	45.4	81.1	121	152	181	209	238	272	324	404	508	624	739	840	916	962	978
50	3.68	19.6	46.7	81.4	117	145	171	196	220	244	272	305	350	410	477	542	595	628	638
55	3.47	13.1	35.7	65.3	98.3	125	149	171	191	212	233	256	285	320	359	397	429	450	458
60	3.47	14.7	35.4	62.7	91.0	114	135	154	171	187	203	218	232	246	257	266	272	276	278
65	3.68	8.49	25.1	46.6	70.4	90.8	109	125	140	153	166	179	191	202	211	217	222	225	227
70	3.25	8.90	22.5	40.1	58.7	74.8	89.1	103	115	124	135	145	154	162	168	171	173	175	175
75	3.85	3.83	14.1	26.3	39.1	51.4	62.3	72.9	83.3	92.3	100	108	116	122	127	130	133	134	135
80	3.10	2.21	10.5	17.7	24.6	32.5	39.7	46.7	55.8	63.3	69.4	75.1	80.3	84.4	87.6	90.4	93.0	94.6	95.0
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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 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:1.3026A P:282.67W PF:0.9865 Freq:49.99Hz Lamp Flux:40070.5x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	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	102	98.7	95.4	92.0	87.9	82.6	76.4	69.3	61.7	52.5	44.1	35.8	26.4	18.0	10.4	3.62	1.15	0.56	
-75	144	142	139	135	130	122	114	104	94.4	84.6	73.9	61.1	49.2	35.8	22.3	10.2	2.33	0.65	
-70	186	184	181	176	169	159	147	135	123	113	98.8	81.5	67.0	48.2	29.1	12.4	2.20	0.55	
-65	236	233	229	222	213	201	188	173	159	144	128	109	90.7	68.8	44.4	21.9	4.91	0.65	
-60	285	281	274	265	253	239	222	205	188	170	150	129	107	80.0	50.2	22.8	4.08	0.56	
-55	438	420	393	360	326	294	267	243	221	198	176	152	127	99.2	65.6	34.3	8.81	0.67	
-50	586	550	499	441	385	338	302	272	244	218	193	165	137	106	67.6	34.0	6.88	0.55	
-45	901	859	790	699	595	491	399	327	279	245	215	185	154	122	81.9	44.8	12.9	0.69	
-40	1204	1144	1047	916	763	605	463	359	300	260	226	193	159	125	79.6	42.1	9.74	0.56	
-35	1453	1402	1312	1183	1018	830	640	473	356	289	247	211	175	139	94.0	52.7	17.2	0.73	
-30	1688	1630	1532	1391	1200	977	744	531	378	300	254	215	177	139	88.8	48.8	12.7	0.57	
-25	1871	1826	1743	1615	1437	1209	955	701	484	344	276	232	192	152	104	58.6	21.1	0.76	
-20	2041	1995	1910	1780	1588	1342	1062	775	520	353	280	233	191	150	95.3	53.5	15.2	0.59	
-15	2107	2075	2008	1898	1730	1499	1225	925	638	414	304	249	204	162	112	62.6	23.6	0.79	
-10	2166	2134	2069	1959	1789	1552	1269	955	650	413	301	246	200	157	101	57.0	17.3	0.61	
-5	2176	2157	2107	2014	1865	1646	1371	1057	741	472	323	259	211	168	117	64.8	24.9	0.82	
0	2182	2164	2115	2020	1865	1638	1351	1030	714	448	312	251	204	160	103	57.8	17.5	0.64	
5	2170	2155	2112	2026	1883	1669	1396	1081	763	485	327	261	212	169	118	65.2	25.2	0.84	
10	2155	2134	2082	1985	1826	1599	1320	1003	691	435	308	250	203	160	104	57.8	17.9	0.68	
15	2115	2090	2034	1937	1781	1560	1288	984	686	440	311	253	207	165	116	63.7	24.3	0.86	
20	2070	2030	1955	1837	1658	1419	1138	842	569	372	286	237	194	153	99.5	54.6	16.1	0.73	
25	1951	1908	1829	1708	1536	1308	1047	776	533	363	283	236	195	156	109	60.1	22.2	0.87	
30	1820	1760	1661	1519	1331	1097	846	605	414	310	259	219	181	143	93.5	50.3	14.4	0.75	
35	1564	1510	1419	1287	1118	918	710	522	379	296	250	213	178	142	98.4	54.0	19.0	0.86	
40	1292	1230	1130	994	829	656	495	373	302	260	226	194	161	127	82.8	42.7	11.1	0.79	
45	963	919	846	748	634	519	415	333	279	243	213	185	155	123	84.5	45.4	14.8	0.86	
50	622	583	526	459	393	339	298	267	240	214	190	164	136	106	69.4	34.3	8.00	0.81	
55	452	432	402	365	326	291	261	237	215	194	173	150	126	98.9	66.7	34.4	10.2	0.86	
60	276	271	264	255	244	230	214	198	182	165	147	127	105	79.6	50.4	23.3	4.58	0.84	
65	226	223	219	213	204	193	180	167	153	139	124	106	88.5	67.2	43.8	21.8	5.34	0.87	
70	175	173	171	167	160	152	141	130	119	108	95.1	78.4	64.5	45.8	27.8	12.6	1.79	0.85	
75	135	133	131	127	123	116	108	99.3	90.3	81.2	70.6	58.3	47.0	33.8	20.9	9.70	2.06	0.88	
80	94.2	92.3	89.7	86.5	82.6	77.8	71.8	65.2	58.3	50.1	41.4	33.8	24.7	16.5	9.17	2.96	0.97	0.87	
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:19 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: