

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1623.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	74.5V x 69.8H
	At 50% of Imax	34.3V x 33.8H
	At 90% of Imax	12.3V x 14.5H

Beam Flux	Total	996.2 lumens per klm.
	To 10% of Imax	657.1 lumens per klm.
	To 50% of Imax	329.5 lumens per klm.
	To 90% of Imax	53.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.6 %

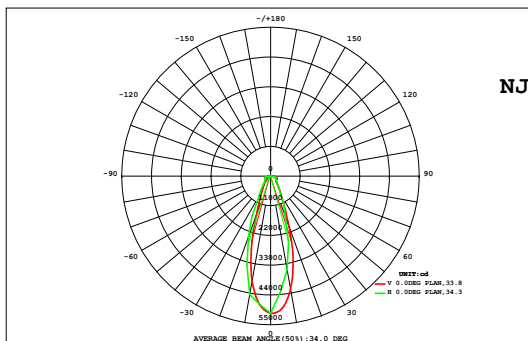
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:18 October 2019

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.07V I:1.0521A P:229.11W PF:0.9895 Freq:49.99Hz Lamp Flux:31270.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:136.49lm/W	
NJZ-FMGP240-V01	-RZ-30-PC-U-GR	Imax(cd)	50760
NOMINAL POWER(W)	240	AVAILABILITY(%)	65.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	20429
NOMINAL FLUX(lm)	31270.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	31270
TEST VOLTAGE(V)	220	θ @50% (H,V)	34,34DEG

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	1.50	9.52	19.5	30.8	43.7	54.0	62.5	68.9	73.5	73.0	67.6	60.3	51.0	39.8	27.8	16.8	7.00	0.56	708	0.00
70	1.95	9.88	21.1	34.1	46.5	54.8	60.9	65.6	70.8	70.9	65.3	59.8	53.5	44.0	31.2	18.9	8.58	1.23	719	0.00
60	2.31	11.3	24.7	38.9	47.9	53.1	59.4	65.5	68.9	68.7	65.2	59.3	53.6	47.1	36.3	22.4	9.97	1.62	736	0.00
50	2.57	12.5	27.4	39.3	46.7	60.2	77.0	92.1	100	99.4	90.3	75.0	58.6	46.6	38.6	25.2	11.2	1.91	905	0.00
40	2.77	13.4	28.4	38.1	52.4	76.3	112	155	183	180	148	106	73.1	51.1	38.3	26.6	12.1	2.11	1299	417
30	2.90	14.0	28.1	39.2	59.3	97.7	176	323	440	426	292	157	91.1	56.9	38.8	27.0	12.6	2.27	2283	1754
20	2.98	14.4	27.7	40.7	66.0	121	268	650	974	940	567	226	110	62.4	40.0	26.7	12.9	2.35	4153	3706
10	3.00	14.5	27.6	41.7	69.9	136	336	924	1428	1383	801	277	122	65.6	40.8	26.5	13.0	2.38	5710	5296
0	2.98	14.4	27.6	41.5	69.3	134	324	862	1321	1283	740	262	119	64.9	40.6	26.4	12.9	2.35	5347	4925
-10	2.88	14.1	27.7	40.4	64.6	115	240	531	758	740	452	202	105	61.1	39.6	26.2	12.6	2.28	3434	2970
-20	2.73	13.8	28.0	39.0	58.3	93.4	156	240	303	292	213	139	86.6	55.6	38.4	26.0	12.1	2.12	1799	1229
-30	2.48	13.1	27.9	37.9	51.7	73.5	102	127	141	139	124	97.3	70.2	50.1	37.4	25.5	11.5	1.90	1132	132
-40	2.19	12.3	26.6	38.0	46.8	60.4	75.7	87.9	93.9	93.4	86.7	73.6	58.5	45.9	36.8	24.0	10.7	1.59	875	0.00
-50	1.81	11.1	23.8	37.2	44.7	51.7	59.3	65.5	68.7	68.5	65.0	58.5	50.8	43.5	34.5	21.4	9.60	1.23	717	0.00
-60	1.41	9.55	20.1	32.4	44.0	49.8	54.1	58.8	63.5	62.6	57.6	52.9	48.2	40.7	29.3	17.8	8.11	0.82	652	0.00
-70	1.01	7.76	16.1	25.5	35.6	44.6	51.1	56.5	62.2	60.6	54.3	48.5	41.4	32.3	22.7	13.9	6.15	0.45	580	0.00
-80	0.36	3.09	6.40	9.85	13.4	16.7	19.8	22.0	22.7	22.6	21.3	18.6	15.3	12.0	8.48	5.25	2.10	0.08	220	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	37.8	199	409	605	861	1293	2232	4395	6171	6002	3909	1974	1208	820	580	376	173	27.3	31270	---
Φ a	0.00	0.00	0.00	0.00	0.00	274	1452	3643	5386	5220	3159	1150	146	0.00	0.00	0.00	0.00	0.00	---	20429

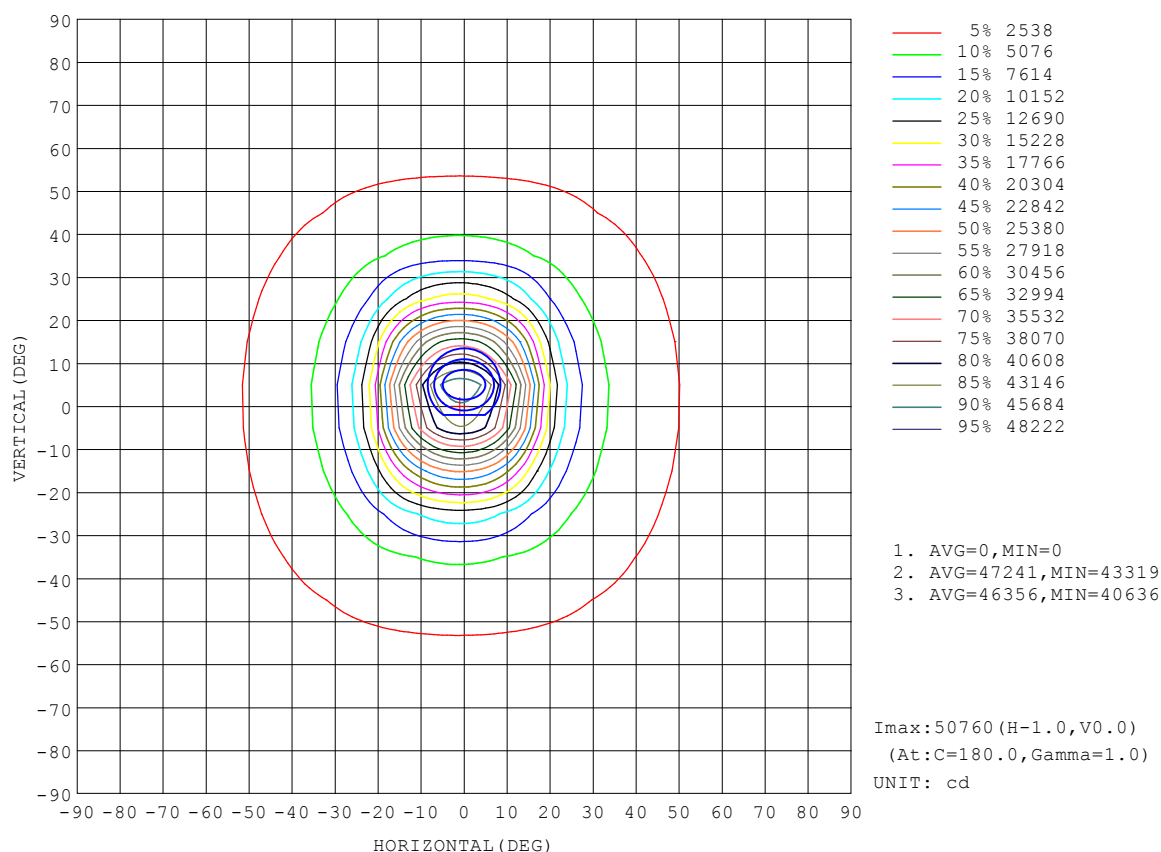
one-half-peak spread: U:15.3,D:19.3 , L:17.0,R:17.0 IESNA Beam Type: Type 4 x 5 (H x V)

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:220.07V I:1.0521A P:229.11W PF:0.9895 Freq:49.99Hz Lamp Flux:31270.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

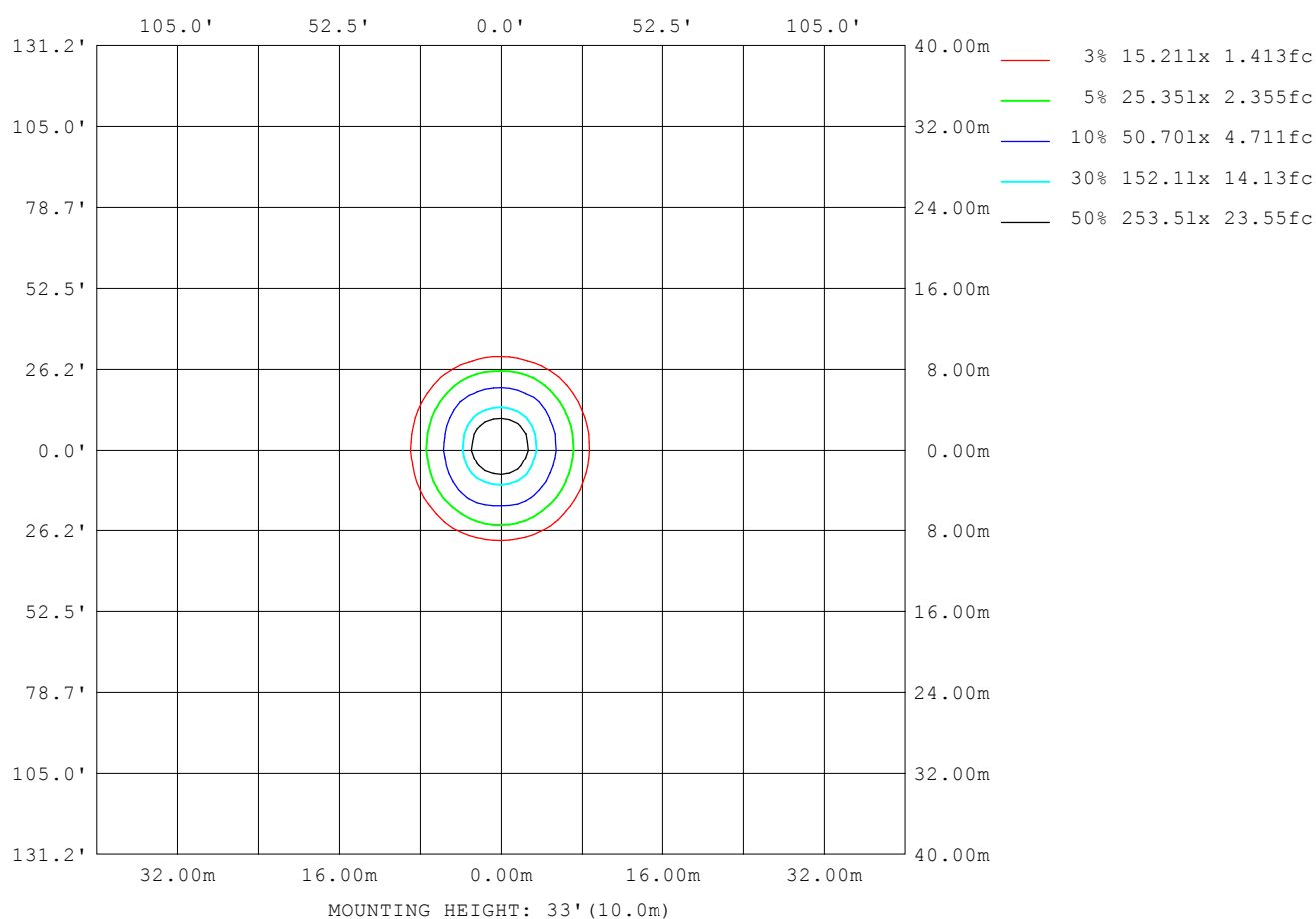


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:18 October 2019

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

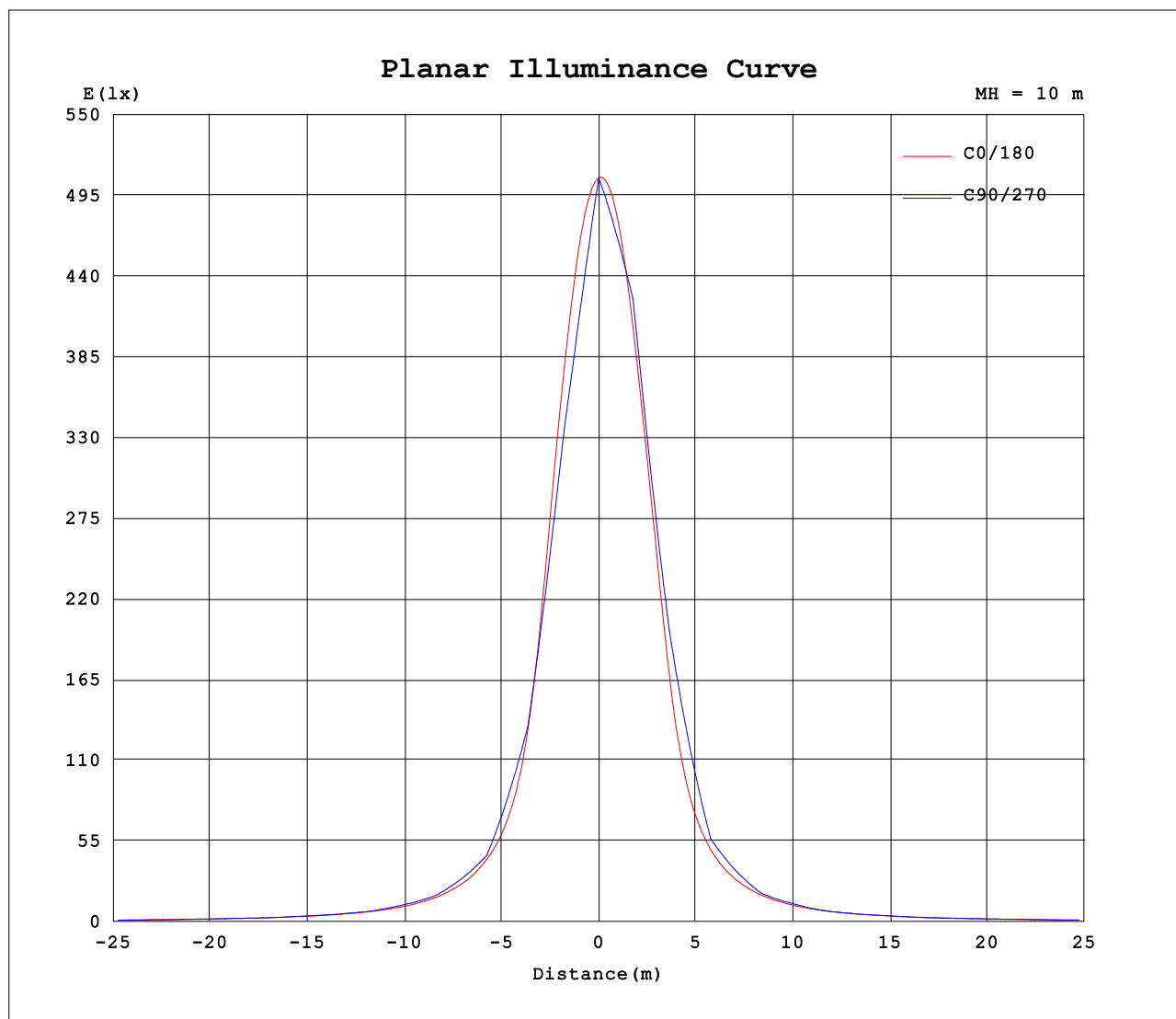
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NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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



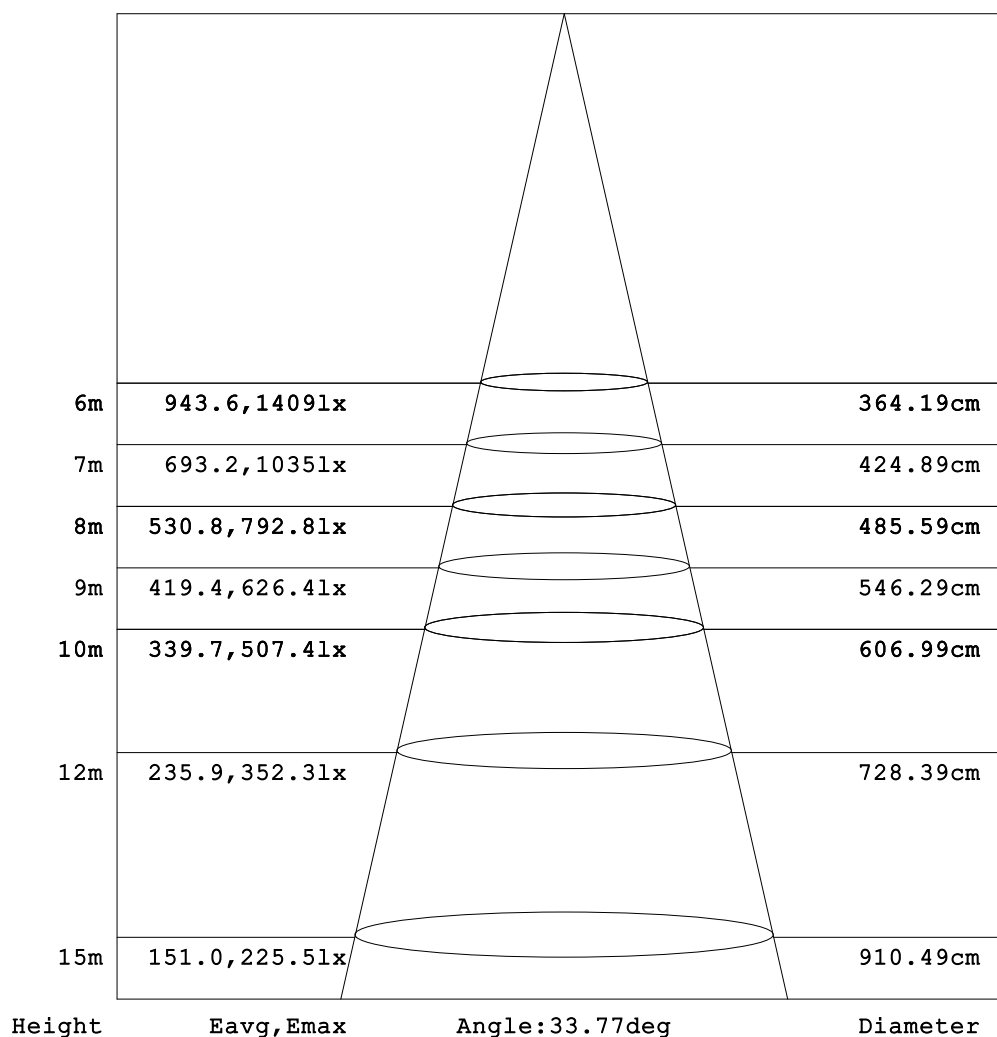
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:18 October 2019

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:

AAI Figure

Test:U:220.07V I:1.0521A P:229.11W PF:0.9895 Freq:49.99Hz Lamp Flux:31270.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:9975 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: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:220.07V I:1.0521A P:229.11W PF:0.9895 Freq:49.99Hz Lamp Flux:31270.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	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	1.08	16.4	56.2	85.4	97.1	108	116	123	131	137	142	147	152	156	159	162	164	165	165
-75	1.09	21.5	67.8	97.8	111	124	135	145	154	163	169	173	177	179	182	185	191	196	197
-70	1.10	26.6	79.5	110	125	140	155	166	177	188	195	199	202	202	205	209	217	227	229
-65	1.14	32.4	90.7	120	137	155	172	183	194	202	202	201	201	201	203	207	213	219	220
-60	1.17	38.1	102	129	150	170	189	201	211	215	210	203	199	200	202	205	208	211	211
-55	1.21	44.0	110	138	161	183	202	212	212	211	210	211	214	220	226	231	234	237	237
-50	1.25	49.9	118	146	173	197	215	223	214	207	210	219	230	240	250	257	261	263	263
-45	1.34	56.4	123	152	181	206	219	219	215	217	227	243	261	280	298	313	324	330	331
-40	1.43	62.9	128	159	190	214	224	215	216	227	244	267	293	320	347	369	386	397	398
-35	1.52	69.9	131	163	195	218	221	216	223	239	264	297	337	383	432	479	517	540	545
-30	1.61	77.0	134	167	200	222	219	217	230	252	284	327	380	445	517	589	647	684	693
-25	1.72	86.8	137	171	203	221	217	221	238	267	310	369	451	565	718	890	1034	1126	1151
-20	1.83	96.6	140	175	205	220	216	226	247	283	336	412	521	685	918	1190	1421	1568	1609
-15	1.89	97.7	142	177	206	218	217	229	253	294	357	450	594	828	1239	1785	2216	2487	2564
-10	1.95	98.7	143	179	206	216	218	232	260	306	378	488	666	972	1560	2379	3012	3407	3520
-5	2.02	99.6	144	180	208	215	219	234	264	313	391	512	711	1072	1793	2809	3630	4159	4295
0	2.09	100	145	181	209	214	220	236	267	320	404	536	757	1173	2026	3238	4248	4912	5070
5	2.15	100	145	181	209	215	220	235	265	316	397	524	733	1123	1920	3063	4001	4611	4759
10	2.21	99.8	144	180	209	215	219	234	263	313	391	512	709	1072	1814	2887	3754	4310	4447
15	2.48	99.1	143	179	208	217	218	231	256	300	369	473	638	927	1483	2266	2916	3323	3418
20	2.75	98.5	142	177	207	219	217	227	250	288	348	435	567	782	1151	1645	2078	2335	2390
25	2.79	96.4	140	174	204	221	218	223	241	272	320	389	488	640	878	1180	1441	1597	1631
30	2.83	94.4	138	170	202	223	218	219	232	256	293	343	409	497	605	715	804	858	871
35	2.87	91.8	134	166	197	222	223	217	225	243	270	307	354	414	484	554	608	642	650
40	2.90	89.1	131	161	193	221	227	216	217	229	247	271	299	331	363	392	413	426	429
45	2.88	84.5	126	155	185	213	226	223	218	219	230	246	265	286	307	325	338	345	346
50	2.86	79.9	121	148	177	204	224	230	218	210	213	220	230	240	250	257	262	264	264
55	2.83	74.0	115	140	166	191	211	222	220	218	215	215	217	222	227	232	235	237	238
60	2.80	68.0	109	132	155	177	198	213	223	227	218	209	204	203	204	206	208	211	212
65	2.78	57.3	100	123	143	162	180	194	206	214	214	212	212	212	213	214	218	223	226
70	2.75	46.6	92.4	113	130	147	162	175	188	201	209	214	219	220	221	223	228	236	241
75	2.76	32.8	80.6	101	115	129	140	150	163	173	181	185	190	192	195	197	202	206	209
80	2.77	18.9	68.8	88.6	99.8	111	117	126	138	146	152	155	160	165	168	172	175	176	176
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:220.07V I:1.0521A P:229.11W PF:0.9895 Freq:49.99Hz Lamp Flux:31270.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	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	164	160	156	151	147	142	136	130	123	115	107	99.6	89.9	77.7	61.5	27.0	1.20	0.87	
-75	192	185	179	174	170	166	161	156	148	138	129	118	107	93.3	76.8	41.4	4.55	0.86	
-70	220	209	201	197	194	191	187	181	172	161	150	137	124	109	92.0	55.9	7.91	0.86	
-65	215	208	202	198	196	194	194	192	187	177	167	154	137	120	102	67.5	12.1	0.85	
-60	209	206	202	200	198	198	200	203	202	193	184	170	151	131	111	79.1	16.3	0.85	
-55	236	233	228	223	216	211	207	205	204	202	196	183	165	142	119	88.5	21.8	0.86	
-50	262	259	254	246	235	224	214	206	205	211	209	196	178	153	127	97.9	27.3	0.87	
-45	327	319	307	290	271	253	235	221	213	212	212	204	186	160	133	103	32.2	0.89	
-40	392	379	359	335	308	281	256	236	221	212	215	211	194	167	139	107	37.0	0.91	
-35	531	500	457	408	361	319	282	253	232	218	214	214	197	172	143	111	43.5	0.93	
-30	670	621	554	482	415	357	308	270	243	224	214	216	201	176	147	115	50.0	0.95	
-25	1096	959	785	627	505	412	343	292	255	231	218	215	202	179	150	118	56.1	0.95	
-20	1522	1298	1016	772	595	468	378	313	268	238	221	215	203	182	154	121	62.2	0.95	
-15	2427	2058	1499	997	702	525	410	332	278	244	225	215	204	184	156	123	66.8	0.98	
-10	3332	2818	1981	1222	810	582	442	350	289	250	228	216	205	187	159	125	71.4	1.01	
-5	4048	3388	2374	1401	881	617	460	360	294	253	230	217	205	188	160	126	72.0	1.06	
0	4763	3958	2767	1580	953	653	479	370	300	256	231	218	204	189	161	126	72.5	1.12	
5	4467	3723	2629	1527	929	639	471	366	298	255	231	218	205	189	162	127	72.9	1.17	
10	4170	3487	2490	1473	904	625	463	362	295	254	230	218	206	189	162	127	73.2	1.23	
15	3209	2705	1961	1217	791	566	431	343	285	248	227	218	208	189	160	126	71.6	1.27	
20	2247	1923	1432	961	679	508	399	325	274	242	224	217	209	188	159	124	69.9	1.30	
25	1543	1345	1050	760	570	446	362	303	262	235	221	219	210	187	156	122	67.6	1.32	
30	839	767	668	559	461	384	325	281	249	229	218	220	210	185	154	120	65.3	1.34	
35	630	586	524	455	390	336	293	260	237	222	219	220	206	181	149	116	61.1	1.35	
40	421	405	380	351	319	289	262	240	225	216	220	220	203	176	145	112	56.9	1.37	
45	342	332	317	299	278	257	239	225	218	218	220	213	194	168	138	107	52.2	1.38	
50	263	260	255	247	237	226	217	210	210	219	220	207	186	160	132	103	47.6	1.40	
55	237	234	230	225	220	216	215	214	215	213	208	193	173	149	124	95.5	40.5	1.42	
60	210	208	206	204	204	206	213	219	219	207	195	180	159	138	116	88.4	33.5	1.45	
65	223	218	213	211	209	208	209	208	203	190	177	163	145	126	105	78.4	24.5	1.46	
70	236	228	221	218	214	210	205	197	186	173	160	146	130	114	95.3	68.4	15.4	1.48	
75	205	200	194	191	186	181	175	168	159	148	136	124	111	96.3	77.2	48.4	8.69	1.51	
80	174	172	168	163	159	153	146	140	132	123	113	103	92.5	78.5	59.1	28.4	1.94	1.55	
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: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: