

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	937.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	98.9V x 89.8H
	At 50% of Imax	59.7V x 52.3H
	At 90% of Imax	23.3V x 19.3H

Beam Flux	Total	997.5 lumens per klm.
	To 10% of Imax	796.5 lumens per klm.
	To 50% of Imax	485.4 lumens per klm.
	To 90% of Imax	82.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

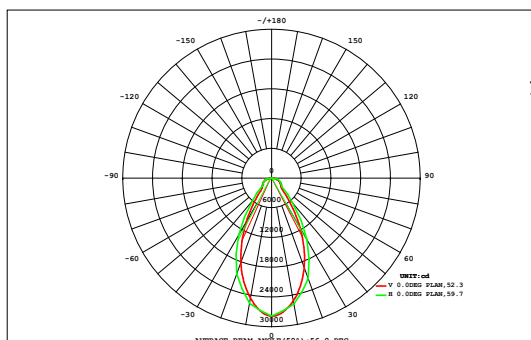
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 October 2019

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:120.07V I:1.6447A P:193.92W PF:0.9819 Freq:59.98Hz Lamp Flux:29729.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:153.31lm/W	
NJZMODEL200-V01-RZ-60-PC-BL		Imax(cd)	27862
NOMINAL POWER(W)	200	AVAILABILITY(%)	79.1
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	23523
NOMINAL FLUX(lm)	29729.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	29730
TEST VOLTAGE(V)	120	θ @50% (H,V)	52,60DEG

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	0.21	2.38	6.96	13.2	20.3	27.3	33.6	37.8	40.3	39.8	36.8	32.3	25.9	18.8	11.6	5.68	1.65	0.10	355	0.00
70	0.41	3.86	11.1	20.1	29.2	38.3	46.1	50.9	53.0	52.8	50.5	45.4	37.2	28.1	18.7	9.92	3.09	0.25	499	0.00
60	0.58	5.42	15.2	26.7	38.4	49.4	58.6	64.8	67.8	67.5	64.3	57.9	48.6	37.6	25.8	14.3	4.72	0.40	648	0.00
50	0.72	6.54	18.0	31.2	44.6	58.2	74.3	97.3	115	114	94.5	71.5	56.9	44.0	30.6	17.3	5.92	0.54	881	315
40	0.83	7.40	20.1	34.4	49.7	71.8	125	206	267	265	198	116	67.7	48.6	34.0	19.5	6.78	0.65	1538	1222
30	0.92	7.99	21.4	36.7	54.7	105	237	389	496	491	375	217	94.4	52.5	36.4	21.0	7.40	0.74	2644	2397
20	0.98	8.41	22.4	38.5	60.4	156	353	551	684	678	528	323	138	56.4	38.0	22.0	7.75	0.79	3666	3451
10	1.00	8.58	22.9	39.6	65.4	190	419	645	793	789	619	386	169	60.1	39.1	22.7	7.94	0.82	4279	4079
0	1.01	8.61	23.0	39.6	65.6	189	418	648	802	793	621	384	167	60.2	39.2	22.7	7.88	0.81	4291	4089
-10	0.97	8.44	22.5	38.7	61.1	158	358	565	703	691	535	327	140	57.4	38.5	22.3	7.74	0.79	3736	3525
-20	0.92	8.15	21.8	37.3	55.8	113	257	423	537	528	400	233	100	53.8	37.3	21.4	7.39	0.74	2835	2596
-30	0.82	7.58	20.5	35.2	50.9	73.2	139	235	306	302	223	128	69.3	50.6	35.3	20.1	6.87	0.66	1704	1403
-40	0.69	6.80	18.6	32.3	46.3	59.3	72.5	99.4	123	120	95.2	70.3	59.3	46.7	32.4	18.2	6.09	0.54	907	448
-50	0.54	5.70	16.0	28.2	40.6	52.4	60.7	63.2	63.4	63.6	64.1	61.8	53.2	41.1	28.2	15.5	5.08	0.41	664	0.00
-60	0.38	4.31	12.4	22.4	32.7	42.7	51.2	56.5	59.0	59.3	57.3	51.8	43.0	32.8	22.0	11.8	3.70	0.27	564	0.00
-70	0.22	2.60	7.80	14.7	22.0	29.8	36.8	41.1	43.4	43.3	41.3	36.6	29.4	21.5	14.0	7.09	2.13	0.15	394	0.00
-80	0.06	0.66	2.09	4.17	7.01	9.63	11.9	13.6	14.9	14.8	13.4	11.7	9.34	6.55	3.69	1.70	0.48	0.03	126	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	11.3	103	283	493	745	1422	2751	4187	5168	5113	4016	2554	1308	717	485	273	92.6	8.69	29730	---
Φ a	0.00	0.00	0.00	0.00	159	982	2360	3807	4785	4729	3634	2145	841	80.3	0.00	0.00	0.00	0.00	---	23523

one-half-peak spread: U:30.7,D:29.4 , L:27.2,R:25.5

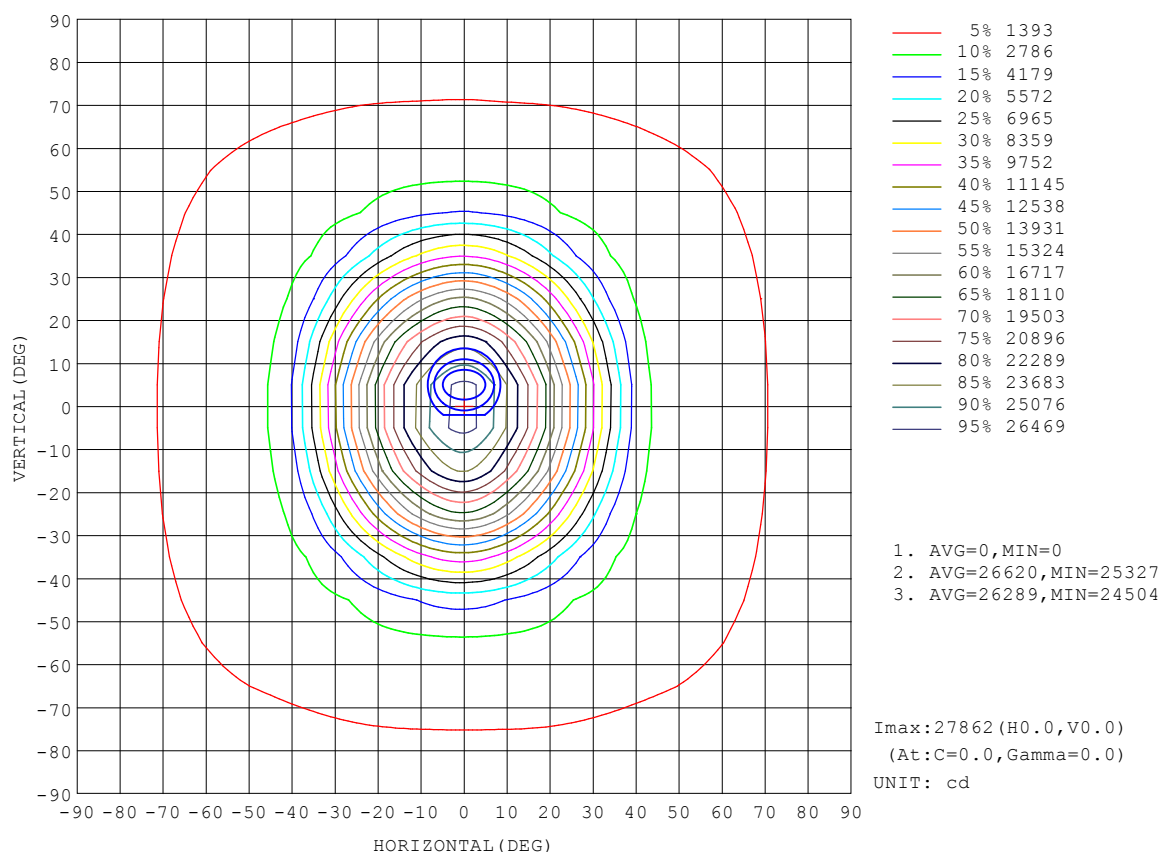
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 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:120.07V I:1.6447A P:193.92W PF:0.9819 Freq:59.98Hz Lamp Flux:29729.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

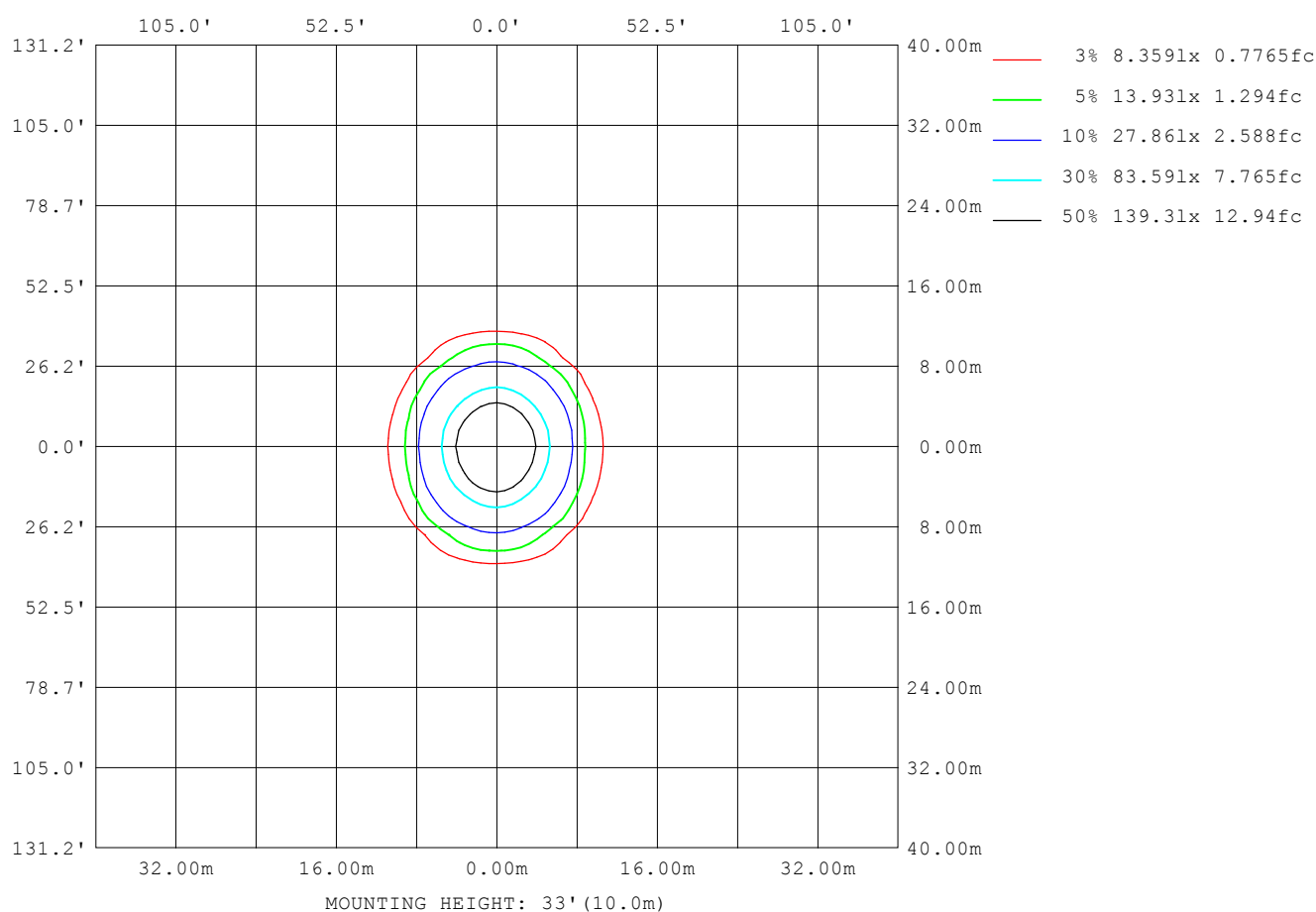


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:22 October 2019

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

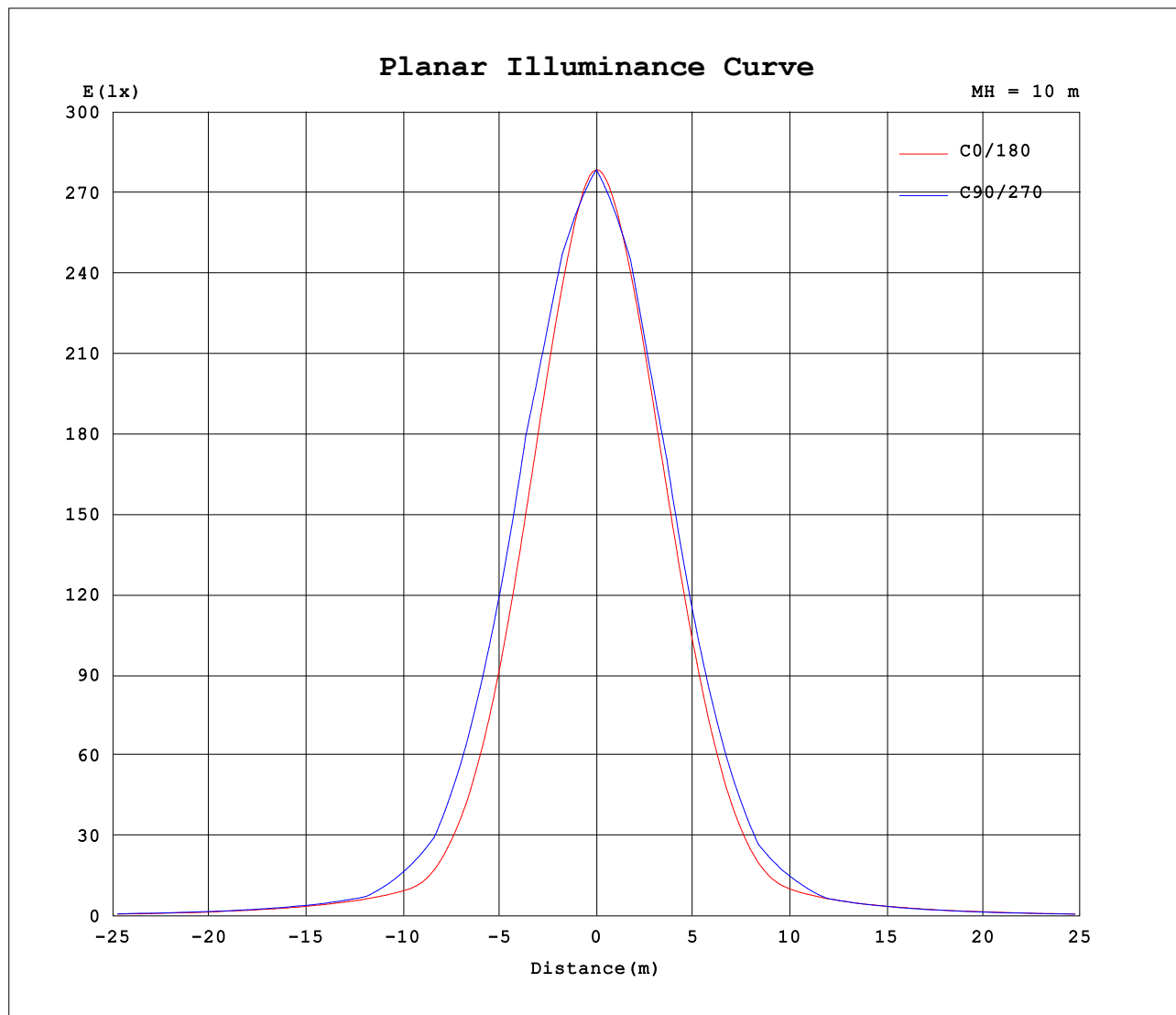
Test:U:120.07V I:1.6447A P:193.92W PF:0.9819 Freq:59.98Hz Lamp Flux:29729.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 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



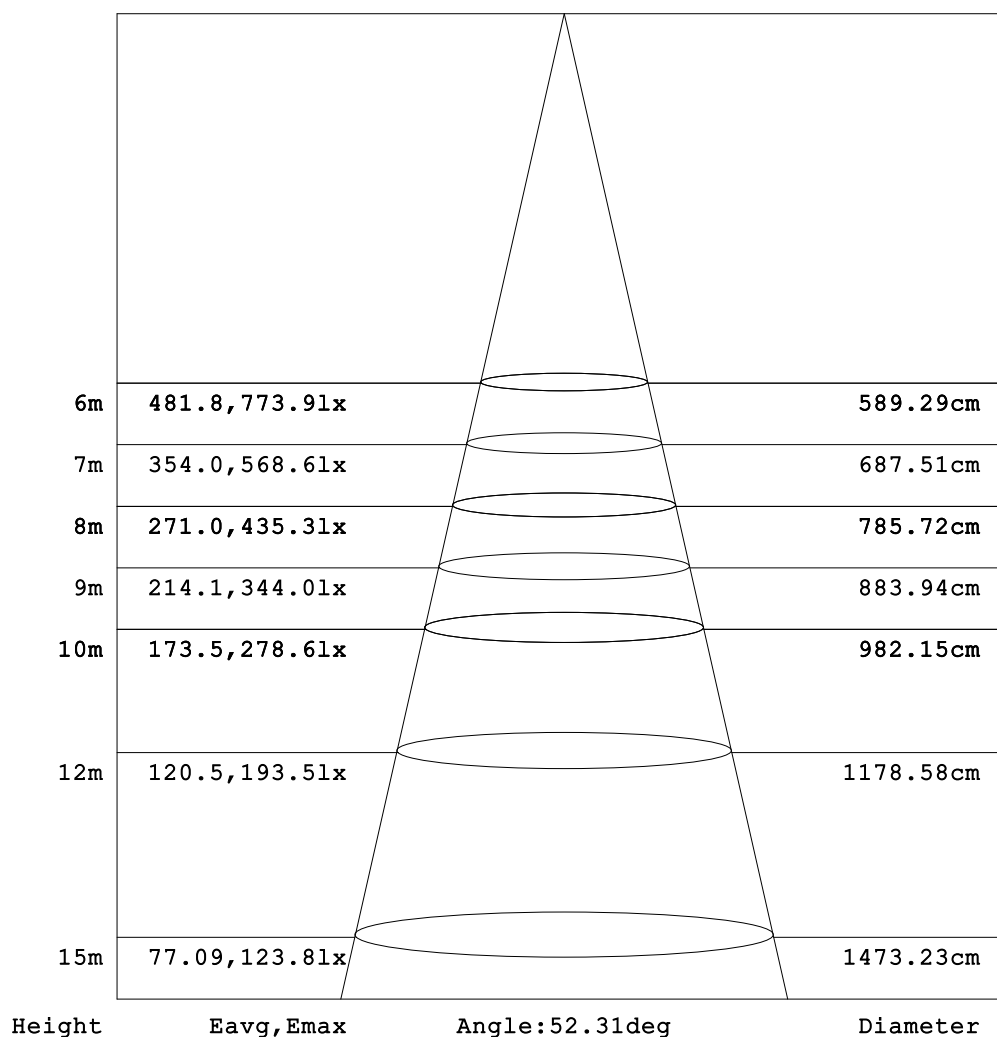
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:22 October 2019

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:120.07V I:1.6447A P:193.92W PF:0.9819 Freq:59.98Hz Lamp Flux:29729.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:13546 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:22 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:120.07V I:1.6447A P:193.92W PF:0.9819 Freq:59.98Hz Lamp Flux:29729.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	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	0.51	3.18	11.4	21.3	30.4	41.3	51.1	58.7	69.1	77.5	84.5	91.0	96.9	102	105	108	111	113	114
-75	0.52	4.84	16.4	31.4	45.9	59.6	72.0	83.1	93.1	102	110	119	126	132	136	138	140	142	143
-70	0.54	6.50	21.4	41.5	61.5	78.0	93.0	108	117	126	136	146	155	162	167	169	170	171	172
-65	0.58	8.15	27.2	51.5	75.3	94.5	111	127	139	150	160	170	178	185	190	192	194	196	196
-60	0.62	9.80	33.0	61.4	89.2	111	130	146	161	173	184	193	201	208	213	216	218	220	221
-55	0.68	11.6	37.4	68.7	99.1	123	143	160	175	188	200	210	220	227	234	239	244	247	249
-50	0.74	13.3	41.9	76.1	109	134	156	174	189	203	215	227	238	247	255	263	270	275	276
-45	0.81	15.4	45.6	81.8	117	143	165	184	200	214	229	244	261	292	336	383	426	456	465
-40	0.87	17.4	49.3	87.5	125	152	175	194	210	226	243	261	285	337	416	504	582	638	654
-35	0.92	19.5	51.7	90.8	131	158	181	201	218	236	257	299	384	510	657	804	929	1014	1042
-30	0.97	21.5	54.2	94.0	136	163	187	208	226	246	272	337	484	683	899	1104	1275	1391	1430
-25	0.99	23.5	56.2	96.6	140	167	192	213	232	256	301	432	648	908	1171	1412	1609	1746	1796
-20	1.02	25.5	58.3	99.3	144	172	196	218	239	266	331	527	812	1132	1442	1720	1944	2101	2162
-15	1.04	25.8	59.0	100	146	174	199	221	243	273	367	607	926	1276	1610	1905	2139	2308	2374
-10	1.05	26.2	59.8	101	148	176	201	223	247	281	403	686	1039	1419	1778	2090	2334	2514	2586
-5	1.06	26.5	60.3	102	149	177	202	225	249	285	423	723	1095	1484	1851	2173	2426	2612	2686
0	1.07	26.9	60.9	103	150	178	204	227	251	289	443	761	1150	1549	1924	2256	2518	2710	2786
5	1.08	26.6	60.4	102	149	177	202	225	249	285	425	729	1104	1491	1854	2171	2416	2598	2676
10	1.09	26.3	59.8	101	148	175	201	223	247	281	408	698	1058	1434	1784	2086	2315	2486	2567
15	1.09	25.8	58.9	99.0	145	173	197	219	241	272	365	607	925	1264	1584	1864	2081	2242	2312
20	1.10	25.4	57.9	97.3	143	170	194	215	236	262	322	517	792	1095	1385	1641	1848	1997	2058
25	1.11	24.3	55.7	94.4	139	165	189	210	228	252	294	418	626	869	1113	1335	1517	1646	1697
30	1.11	23.1	53.4	91.6	134	161	183	204	221	241	265	319	460	644	842	1030	1187	1294	1336
35	1.11	21.9	50.8	88.1	128	154	176	196	212	230	250	285	365	478	613	746	859	937	966
40	1.12	20.6	48.1	84.6	122	148	169	188	204	218	234	251	271	313	384	462	532	580	596
45	1.12	18.7	44.3	78.5	114	138	159	177	192	206	219	233	248	272	311	353	390	416	424
50	1.11	16.9	40.5	72.5	105	129	149	167	181	193	205	215	224	232	238	244	248	252	252
55	1.11	14.8	36.1	64.8	94.1	116	135	151	165	177	187	197	205	212	217	220	223	225	225
60	1.10	12.7	31.8	57.1	83.2	104	121	136	149	160	169	178	185	191	195	197	197	197	198
65	1.10	9.74	26.3	46.6	68.3	86.2	101	115	126	135	144	153	160	166	170	172	172	173	174
70	1.10	6.76	20.7	36.2	53.4	68.7	79.8	93.2	103	111	119	128	135	141	145	147	148	149	150
75	1.09	4.36	15.2	26.8	38.8	50.2	59.8	69.5	78.2	85.5	92.3	99.1	105	110	113	115	117	119	119
80	1.09	1.96	9.72	17.4	24.3	31.8	39.8	45.9	53.1	60.3	65.8	70.7	75.2	78.9	81.8	84.2	86.4	88.2	88.6
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:22 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:120.07V I:1.6447A P:193.92W PF:0.9819 Freq:59.98Hz Lamp Flux:29729.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	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	112	110	107	104	101	95.5	89.0	81.8	74.0	63.9	53.9	45.8	35.1	24.8	16.2	7.42	1.75	0.76	
-75	142	140	139	136	131	125	117	109	99.5	89.9	79.2	66.8	54.1	39.8	25.2	12.0	2.61	0.76	
-70	171	171	170	168	162	155	145	135	125	116	105	87.9	73.1	54.8	34.2	16.5	3.47	0.75	
-65	196	195	194	192	187	179	171	161	150	138	125	107	89.8	68.4	43.4	21.3	4.97	0.75	
-60	221	220	218	216	211	204	196	186	174	161	145	127	106	82.0	52.6	26.1	6.47	0.75	
-55	247	244	240	235	229	222	213	202	190	176	160	141	119	92.6	59.8	30.6	7.87	0.76	
-50	273	267	261	254	247	239	229	218	205	191	174	154	131	103	67.1	35.1	9.28	0.76	
-45	449	414	368	321	281	257	243	229	216	202	184	164	140	111	71.9	38.2	10.8	0.77	
-40	625	560	475	388	315	274	256	241	227	212	194	173	149	119	76.8	41.4	12.2	0.78	
-35	1000	897	762	612	468	354	281	251	234	219	202	180	155	125	80.2	44.3	14.2	0.80	
-30	1374	1234	1048	835	621	435	307	261	242	226	209	187	161	131	83.6	47.2	16.2	0.81	
-25	1722	1554	1337	1086	822	577	385	279	248	231	213	191	165	135	84.9	48.8	17.3	0.79	
-20	2070	1874	1625	1337	1023	719	462	296	255	235	217	195	169	139	86.1	50.5	18.3	0.78	
-15	2273	2062	1804	1498	1164	829	535	325	259	239	220	198	171	141	87.1	51.8	18.9	0.71	
-10	2476	2251	1983	1660	1305	939	608	355	264	242	223	200	174	143	88.0	53.1	19.5	0.65	
-5	2581	2355	2076	1736	1363	983	639	369	266	243	224	201	175	144	88.1	53.2	19.5	0.63	
0	2686	2460	2170	1812	1421	1028	670	384	268	244	225	202	175	144	88.3	53.3	19.5	0.62	
5	2586	2364	2082	1743	1371	991	646	373	265	242	223	201	174	144	88.8	53.3	19.6	0.62	
10	2486	2268	1995	1673	1320	955	622	361	263	240	222	199	173	143	89.4	53.2	19.6	0.63	
15	2229	2035	1783	1484	1157	829	538	325	256	236	218	196	170	140	88.5	51.8	18.9	0.64	
20	1973	1802	1571	1294	994	703	455	289	249	231	213	192	166	137	87.7	50.3	18.1	0.65	
25	1629	1483	1283	1045	794	561	375	271	242	225	208	187	162	133	86.1	48.5	17.3	0.66	
30	1285	1163	994	796	594	418	295	252	234	219	202	181	157	129	84.5	46.6	16.6	0.66	
35	930	841	718	578	443	338	269	240	225	210	194	173	150	122	80.3	43.5	15.0	0.67	
40	575	520	442	360	292	257	242	229	215	201	185	165	143	115	76.1	40.4	13.4	0.67	
45	412	382	341	298	260	239	227	215	203	190	174	155	133	106	70.3	36.8	11.8	0.68	
50	250	245	240	235	228	221	212	202	191	178	163	144	123	97.6	64.5	33.2	10.1	0.68	
55	223	221	218	214	209	202	193	184	173	161	146	129	109	85.7	55.9	28.3	8.11	0.69	
60	197	197	196	194	189	182	175	165	155	143	130	114	95.2	73.9	47.4	23.5	6.11	0.69	
65	173	172	170	168	163	157	149	140	130	120	107	92.7	77.0	58.2	37.2	18.7	4.17	0.70	
70	148	146	145	142	138	131	123	114	105	96.7	84.1	71.1	58.7	42.6	27.0	13.9	2.24	0.70	
75	118	115	113	110	106	101	94.6	87.4	80.1	71.7	61.7	51.8	41.7	30.1	18.9	8.83	1.69	0.71	
80	86.8	84.0	81.2	78.3	75.0	70.9	66.2	60.9	54.7	46.8	39.2	32.5	24.6	17.5	10.9	3.74	1.15	0.72	
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:22 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: