

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1010.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	96.6V x 87.4H
	At 50% of Imax	55.5V x 52.6H
	At 90% of Imax	22.3V x 18.0H

Beam Flux	Total	998.0 lumens per klm.
	To 10% of Imax	782.0 lumens per klm.
	To 50% of Imax	483.7 lumens per klm.
	To 90% of Imax	79.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

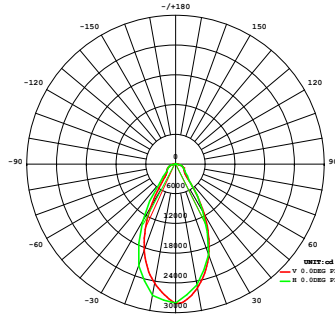
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:18 October 2019

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:219.98V I:0.8741A P:188.60W PF:0.9809 Freq:49.99Hz Lamp Flux:27813x1 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:147.47lm/W	
	NJZ-EMD210-V01-RZ-60-PC-U-GR		Imax(cd)	28111
	NOMINAL POWER(W)	200	AVAILABILITY(%)	77.5
	RATED VOLTAGE(V)	220	Avai. FLUX(lm)	21568
	NOMINAL FLUX(lm)	27813	LOR(%)	100.0
	LAMPS INSIDE	1	TOTAL FLUX(lm)	27813
	TEST VOLTAGE(V)	220	θ @50% (H,V)	53,55DEG

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	2.29	6.59	12.3	19.1	25.8	31.6	35.3	37.2	37.0	34.5	30.3	24.3	17.5	10.8	5.21	1.42	0.08	331	0.00
70	0.41	3.78	10.9	19.5	28.4	37.0	44.1	48.2	49.8	49.5	47.6	43.3	35.9	27.0	17.8	9.39	2.89	0.21	476	0.00
60	0.58	5.30	14.8	26.0	37.3	47.5	55.8	61.3	64.0	63.8	61.0	55.2	46.5	36.2	24.9	13.8	4.53	0.36	619	0.00
50	0.72	6.41	17.5	30.2	42.6	54.4	66.8	84.1	100	100	84.3	66.8	54.2	42.0	29.5	16.7	5.76	0.50	803	231
40	0.85	7.28	19.5	33.1	46.6	63.8	106	179	242	242	178	106	64.6	46.5	32.6	18.8	6.59	0.62	1394	1049
30	0.94	7.90	20.8	35.2	50.6	88.8	213	379	505	506	377	209	88.8	51.0	34.8	20.2	7.18	0.70	2596	2335
	1.00	8.32	21.7	36.7	55.0	136	345	563	717	714	557	336	131	55.8	36.4	21.1	7.50	0.76	3743	3519
	1.02	8.51	22.2	37.7	59.0	171	418	652	814	806	644	409	163	59.6	37.6	21.6	7.65	0.78	4334	4125
	1.02	8.52	22.1	37.6	58.9	166	401	631	789	775	621	392	155	59.1	37.5	21.5	7.56	0.77	4185	3974
	0.97	8.29	21.5	36.5	54.9	126	310	513	653	646	506	303	118	55.4	36.4	21.0	7.34	0.74	3417	3190
-30	0.90	7.93	20.7	35.1	50.9	86.3	195	345	454	450	336	184	80.8	51.2	34.8	20.0	6.91	0.67	2361	2093
-40	0.79	7.30	19.3	33.0	47.0	62.1	95.6	161	215	211	154	90.5	62.1	47.2	32.7	18.6	6.35	0.58	1263	906
-50	0.67	6.53	17.5	30.3	43.1	55.5	64.6	74.1	84.0	83.0	72.7	64.7	55.7	43.1	29.9	16.7	5.57	0.46	748	146
-60	0.51	5.42	14.9	26.2	37.8	48.4	57.1	62.1	63.6	63.7	62.3	57.3	48.4	37.5	25.6	14.0	4.53	0.33	630	0.00
-70	0.35	3.91	11.1	20.0	29.5	38.6	46.0	50.3	51.8	51.9	50.4	45.8	38.0	28.7	19.0	10.0	3.03	0.18	499	0.00
-80	0.20	2.17	6.41	12.1	18.4	25.0	30.6	34.0	35.8	35.7	33.8	29.9	23.9	17.3	10.8	5.31	1.46	0.07	323	0.00
-90	0.06	0.57	1.66	3.24	5.29	7.25	8.98	10.3	11.2	11.0	9.82	8.32	6.35	4.31	2.41	0.97	0.21	0.00	91.9	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	11.2	100	269	465	684	1239	2490	3883	4886	4844	3830	2432	1197	679	453	255	86.5	7.82	27813	---
Φ a	0.00	0.00	0.00	0.00	62.3	753	2060	3494	4499	4462	3445	2001	721	70.3	0.00	0.00	0.00	0.00	---	21568

one-half-peak spread: U:26.4,D:29.4 , L:26.2,R:26.7

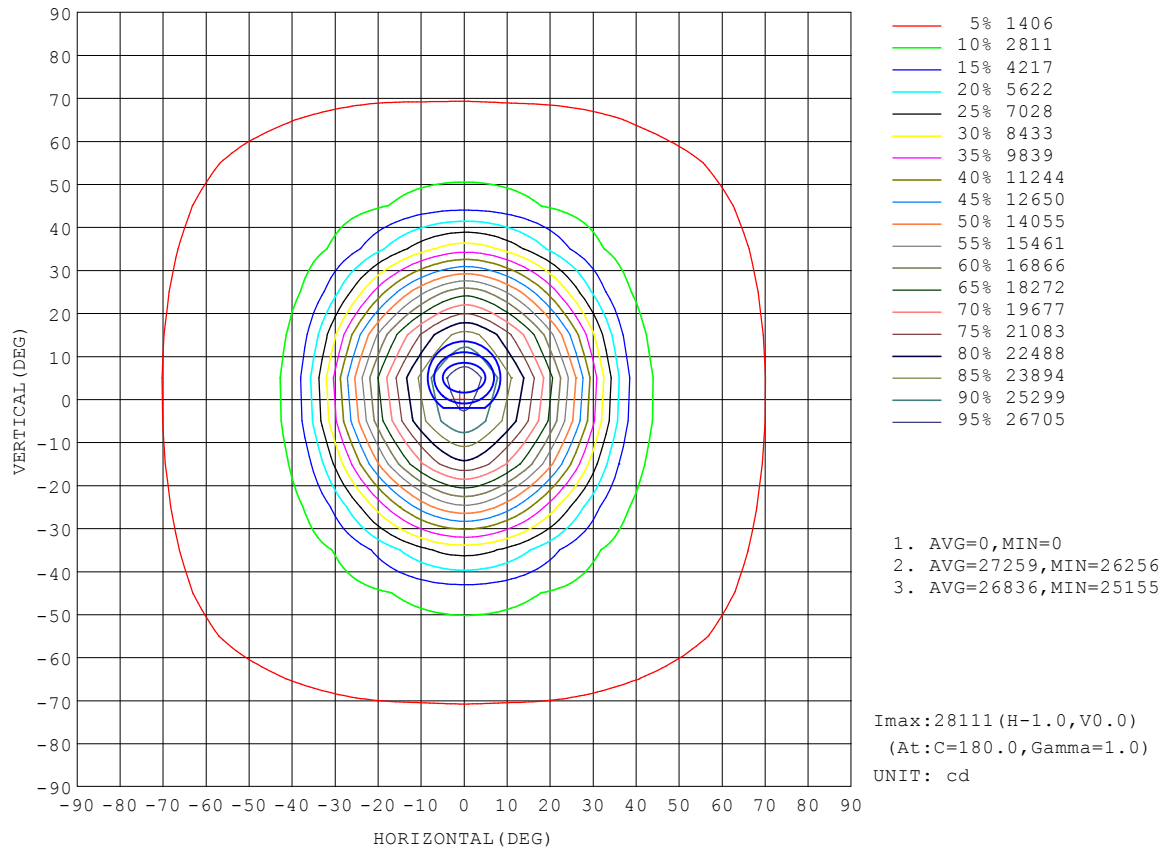
NEMA Beam Type: Type 5

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:219.98V I:0.8741A P:188.60W PF:0.9809 Freq:49.99Hz Lamp Flux:27813x1 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

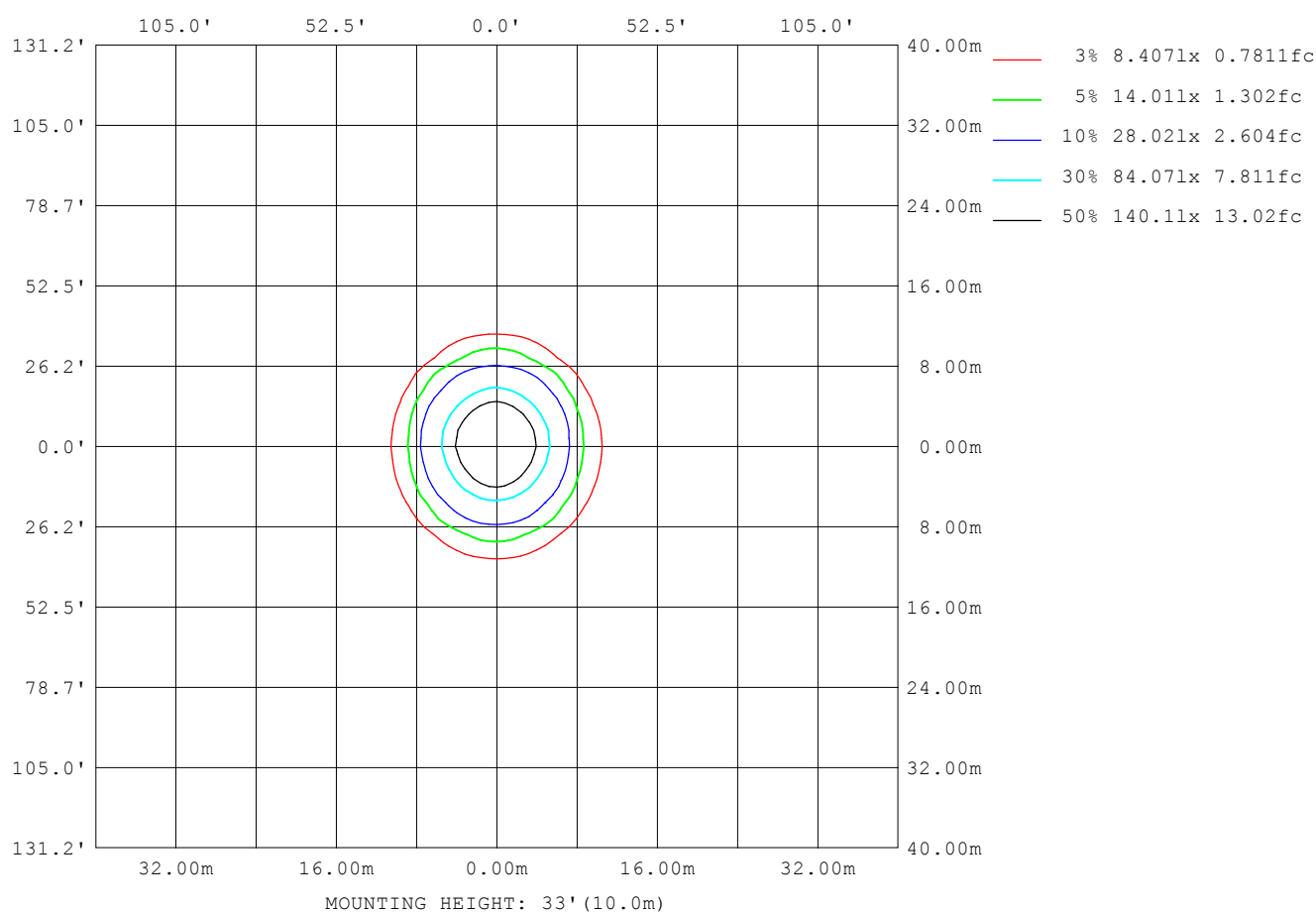


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:18 October 2019

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

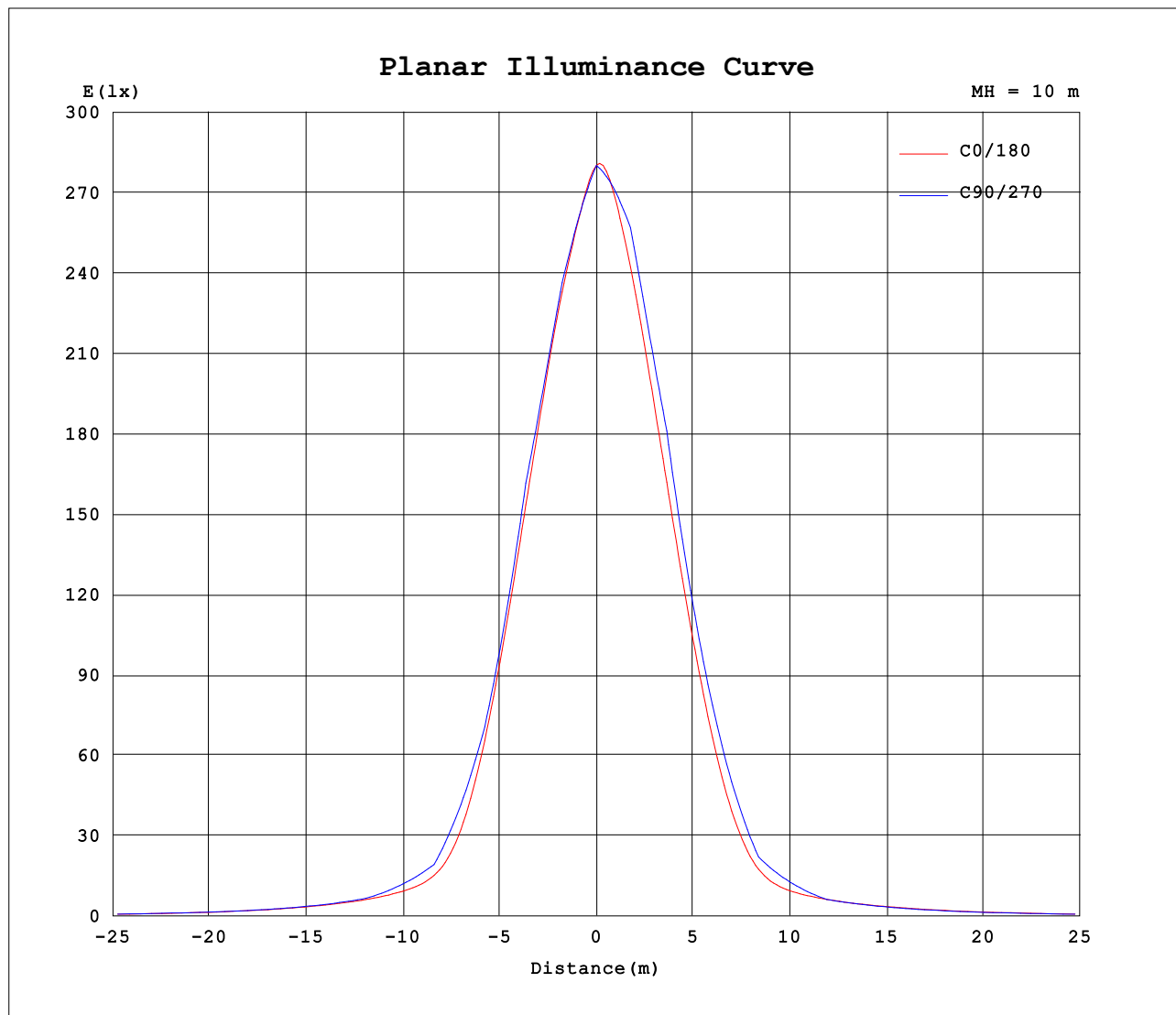
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NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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



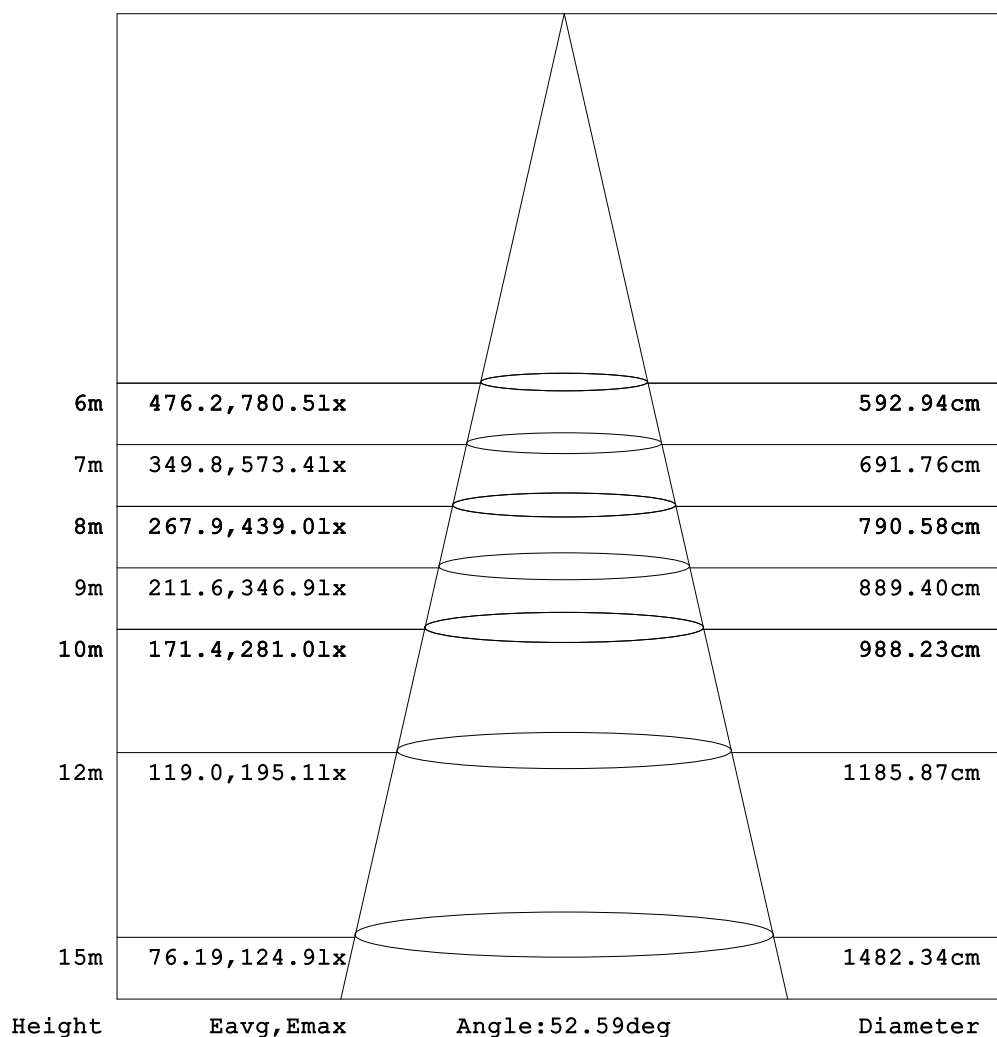
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:18 October 2019

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:219.98V I:0.8741A P:188.60W PF:0.9809 Freq:49.99Hz Lamp Flux:27813x1 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:13388 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:219.98V I:0.8741A P:188.60W PF:0.9809 Freq:49.99Hz Lamp Flux:27813x1 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	0.66	2.76	10.0	17.8	24.7	33.0	40.8	46.9	54.5	61.0	66.5	71.7	76.4	80.0	82.5	84.6	86.9	88.7	89.1
-75	0.49	3.19	12.6	25.1	36.8	48.4	58.0	68.0	77.0	84.5	91.7	98.8	105	110	113	115	116	117	118
-70	0.71	6.39	20.4	37.0	53.9	67.9	79.0	93.0	103	111	120	128	135	141	144	145	145	146	147
-65	0.42	5.89	22.5	44.1	65.0	82.6	96.9	111	123	134	143	152	159	165	169	170	171	171	172
-60	0.78	10.4	33.5	59.9	84.0	103	120	135	149	160	170	178	185	191	195	196	196	197	197
-55	0.37	8.87	32.9	62.1	90.0	112	131	147	161	173	183	193	201	208	214	218	221	224	225
-50	0.88	14.7	43.7	76.5	106	128	148	165	179	191	201	210	219	227	235	241	247	251	253
-45	0.32	12.1	41.4	75.4	108	132	153	171	186	198	210	222	234	248	266	290	315	334	342
-40	1.04	19.4	51.5	88.8	121	145	166	184	198	210	224	239	254	275	307	349	392	422	430
-35	0.29	15.4	47.4	84.5	121	146	168	187	202	216	232	252	288	358	455	561	661	733	760
-30	1.18	23.9	56.5	96.6	132	157	179	197	211	227	247	276	345	477	645	815	964	1063	1088
-25	0.26	19.4	52.1	90.8	131	157	179	199	214	232	257	319	458	663	898	1123	1320	1461	1520
-20	1.38	28.7	61.3	104	141	166	189	207	224	245	284	405	645	941	1245	1516	1743	1897	1949
-15	0.25	22.6	55.3	94.7	138	164	187	206	224	246	293	446	728	1066	1402	1700	1948	2130	2217
-10	1.45	29.8	63.1	107	145	171	194	213	232	259	340	584	942	1328	1686	1992	2238	2418	2477
-5	0.23	23.9	57.1	96.5	141	168	191	212	231	257	333	579	963	1371	1750	2076	2342	2545	2647
0	1.58	30.9	64.6	110	148	175	198	218	238	271	390	716	1149	1572	1952	2276	2537	2738	2802
5	0.09	24.1	57.5	96.1	142	169	192	213	232	259	342	612	1018	1442	1828	2157	2423	2635	2753
10	1.85	30.4	63.5	108	147	173	196	215	235	263	364	657	1061	1474	1843	2154	2402	2604	2692
15	0.03	23.5	56.1	93.5	139	165	188	208	225	248	305	499	830	1204	1559	1866	2119	2321	2440
20	1.82	29.4	61.5	103	143	167	189	207	224	245	293	459	747	1081	1405	1688	1924	2106	2184
25	0.18	22.1	52.9	89.1	133	158	180	199	214	232	259	344	526	774	1041	1289	1505	1670	1760
30	1.67	26.8	57.0	95.6	134	158	180	198	211	226	246	287	397	574	779	983	1160	1287	1334
35	0.33	19.8	48.1	82.8	123	148	169	188	202	214	229	252	306	402	524	656	779	871	914
40	1.53	23.8	51.2	87.1	122	146	166	184	197	208	220	233	248	275	321	381	441	482	492
45	0.50	16.9	41.7	73.6	108	133	153	170	184	195	206	217	228	243	267	298	331	356	365
50	1.32	19.5	43.1	74.7	105	128	147	163	177	187	196	205	212	218	223	228	233	236	237
55	0.67	13.2	33.8	60.6	89.8	112	130	146	159	170	179	187	194	200	204	208	210	211	212
60	1.17	14.9	33.7	58.9	84.0	103	120	134	146	157	166	173	179	184	187	188	187	187	186
65	0.78	8.58	24.6	43.8	65.3	82.8	96.5	110	122	131	139	147	154	159	162	163	163	163	163
70	1.06	9.10	22.1	37.8	54.4	68.4	78.5	91.2	101	108	116	124	130	135	137	138	138	139	139
75	0.86	3.81	14.4	25.3	36.7	47.6	56.2	65.1	73.8	80.8	87.2	93.8	99.5	104	107	108	109	110	110
80	0.99	2.40	11.1	17.5	23.5	30.6	37.0	42.7	50.0	56.2	61.3	66.5	70.8	74.3	76.6	78.1	79.7	80.8	81.2
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:219.98V I:0.8741A P:188.60W PF:0.9809 Freq:49.99Hz Lamp Flux:27813x1 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	87.6	85.1	82.5	79.9	76.3	71.5	65.9	60.1	53.7	46.0	39.2	31.9	23.7	16.6	9.52	2.36	0.68	0.45	
-75	117	116	114	112	108	103	96.0	88.4	80.9	72.7	62.7	52.9	42.7	30.7	19.3	8.49	1.28	0.52	
-70	146	145	145	142	138	132	123	114	105	95.7	81.9	70.0	57.1	40.2	24.6	10.4	1.09	0.44	
-65	172	171	171	169	165	159	151	142	132	121	108	93.5	78.2	59.0	38.0	18.7	3.25	0.51	
-60	197	197	197	195	190	184	176	166	155	142	128	111	92.5	69.5	43.0	19.5	2.38	0.44	
-55	224	223	220	216	210	203	195	185	174	161	147	129	109	86.0	56.4	29.1	6.49	0.52	
-50	251	247	242	235	228	219	210	200	188	175	159	139	118	91.4	57.7	28.9	4.67	0.45	
-45	336	318	295	272	254	239	226	214	201	188	172	153	131	105	69.8	37.5	9.97	0.53	
-40	414	379	338	300	274	254	238	223	209	195	178	158	135	106	67.6	35.2	6.87	0.47	
-35	735	667	572	467	369	298	260	238	221	205	189	169	146	119	79.1	43.8	14.0	0.55	
-30	1034	920	764	593	431	322	273	246	226	209	192	171	147	118	75.0	40.7	10.0	0.49	
-25	1467	1333	1145	921	686	476	331	268	239	219	201	180	157	130	85.0	48.8	17.7	0.57	
-20	1857	1679	1440	1156	850	558	354	275	243	221	202	180	156	127	78.8	44.4	12.5	0.51	
-15	2133	1959	1730	1441	1114	768	467	309	257	230	210	188	164	137	88.7	52.5	19.9	0.58	
-10	2349	2159	1912	1599	1239	843	490	312	258	230	209	187	162	133	81.3	47.3	14.3	0.53	
-5	2532	2342	2104	1795	1427	1010	609	352	270	238	215	193	168	141	91.1	54.6	21.0	0.61	
0	2644	2439	2182	1851	1453	1009	591	340	266	235	213	190	164	135	82.1	48.2	14.6	0.56	
5	2637	2435	2187	1868	1487	1061	642	361	271	238	216	194	169	141	92.3	55.0	21.2	0.63	
10	2555	2340	2073	1742	1358	938	547	324	259	231	210	188	163	134	83.1	48.1	14.6	0.59	
15	2344	2150	1901	1593	1238	864	523	321	257	230	210	189	165	138	91.6	53.6	20.4	0.65	
20	2065	1870	1615	1308	970	643	388	277	242	220	202	181	157	129	81.7	45.5	13.3	0.61	
25	1692	1533	1320	1066	795	542	356	269	237	217	200	181	158	131	88.6	50.3	18.6	0.66	
30	1265	1119	928	716	513	355	274	243	223	207	192	172	148	120	78.4	42.1	11.7	0.62	
35	881	792	670	536	412	315	259	233	216	202	187	169	147	120	82.4	45.3	15.8	0.67	
40	469	420	359	304	266	245	231	216	204	191	176	157	135	108	70.3	36.2	9.11	0.63	
45	356	332	300	268	244	229	218	206	195	183	169	151	130	105	71.8	38.3	12.1	0.67	
50	235	232	227	221	215	208	200	192	182	170	155	137	116	91.3	58.8	29.1	5.96	0.64	
55	211	209	207	204	199	193	185	177	167	156	142	126	107	84.7	56.4	28.9	7.92	0.68	
60	186	186	186	184	180	175	167	158	148	137	123	108	89.1	67.9	42.0	19.7	2.83	0.66	
65	162	161	161	159	156	151	144	135	126	116	103	89.5	74.5	56.5	36.4	18.2	3.75	0.68	
70	138	137	136	134	130	125	117	108	99.6	90.4	77.3	65.6	53.0	37.1	23.1	10.5	1.07	0.67	
75	109	108	106	104	101	95.9	89.9	82.8	75.6	67.9	58.4	48.8	39.3	28.0	17.3	7.80	1.31	0.69	
80	80.2	78.1	75.7	72.9	69.3	64.9	59.8	54.4	48.7	41.9	35.3	28.4	21.1	14.3	7.57	1.78	0.75	0.69	
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: