

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	685.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	159.5V x 142.1H
	At 50% of Imax	40.9V x 119.7H
	At 90% of Imax	12.4V x 104.1H

Beam Flux	Total	998.1 lumens per klm.
	To 10% of Imax	912.7 lumens per klm.
	To 50% of Imax	542.9 lumens per klm.
	To 90% of Imax	73.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

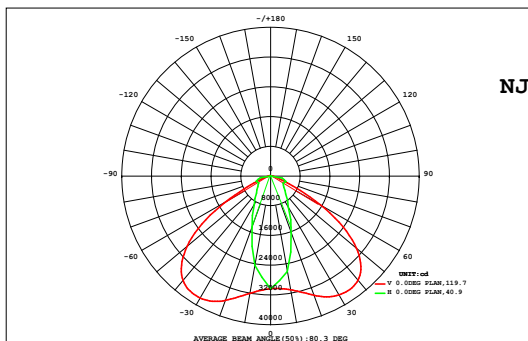
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:28 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:219.90V I:1.9082A P:413.46W PF:0.9853 Freq:49.99Hz Lamp Flux:55376.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:133.93lm/W	
NOMINAL POWER(W)	420	Imax(cd)	37935
RATED VOLTAGE(V)	220	AVAILABILITY(%)	91.2
NOMINAL FLUX(lm)	55376.9	Avai. FLUX(lm)	50530
LAMPS INSIDE	1	LOR(%)	100.0
TEST VOLTAGE(V)	220	TOTAL FLUX(lm)	55377
		θ @50% (H,V)	120,41DEG

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	0.15	2.06	7.03	14.7	24.9	37.0	54.9	85.7	117	117	85.6	55.5	38.4	26.8	16.4	8.28	2.74	0.28	694	138
70	0.38	4.31	13.5	26.8	42.3	56.6	72.7	96.7	122	121	95.4	73.0	58.0	44.0	28.4	14.7	4.99	0.55	875	165
60	0.66	6.82	21.5	42.5	63.9	82.2	98.2	111	119	118	111	99.2	84.0	66.0	44.6	23.1	7.60	0.83	1101	370
50	0.93	9.48	31.5	65.0	96.2	121	139	151	157	157	152	141	124	99.2	68.0	33.7	10.3	1.11	1557	1390
40	1.16	11.9	44.1	102	155	187	206	216	220	221	218	209	192	160	107	47.0	12.7	1.33	2311	2235
30	1.34	13.7	60.5	174	280	332	348	349	347	349	356	357	342	289	183	65.1	14.6	1.49	3861	3806
	1.45	15.2	81.2	283	488	595	621	602	582	588	618	641	611	499	293	87.4	16.0	1.59	6623	6576
	1.49	15.9	98.4	376	676	856	913	883	851	860	908	940	873	685	386	105	16.9	1.65	9446	9404
	1.50	16.1	103	395	712	901	960	929	898	910	959	991	917	718	402	107	16.8	1.64	9938	9896
	1.42	15.3	89.0	322	558	682	709	684	664	677	719	745	703	565	325	91.8	16.0	1.58	7569	7524
	1.27	14.0	68.0	210	336	384	387	380	379	388	407	420	408	344	210	67.8	14.4	1.41	4421	4369
-30	1.02	12.1	48.1	118	172	197	212	222	228	230	229	223	209	179	118	47.9	12.5	1.15	2459	2390
-40	0.75	9.80	34.0	69.8	101	125	143	154	161	161	156	146	129	104	70.2	34.0	10.2	0.82	1609	1473
-50	0.52	7.02	22.9	45.0	66.6	85.4	102	116	125	125	116	103	86.7	67.7	45.9	23.5	7.46	0.57	1145	532
-60	0.31	4.40	14.3	28.2	43.8	58.3	74.5	96.5	117	117	96.0	74.5	58.8	44.6	28.8	14.9	4.65	0.36	877	129
-70	0.14	2.12	7.33	15.1	25.2	36.6	53.1	83.2	116	114	80.7	52.2	36.9	25.8	15.8	7.88	2.36	0.18	675	130
-80	0.02	0.36	1.38	3.11	5.72	9.95	17.9	31.5	42.4	40.1	27.2	15.6	9.19	5.55	3.07	1.39	0.32	0.02	215	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	14.5	161	745	2289	3848	4746	5110	5190	5244	5295	5334	5285	4879	3923	2345	781	170	16.5	55377	---
Φ a	0.00	0.39	500	2056	3568	4412	4711	4735	4938	4994	4873	4897	4551	3641	2112	540	1.17	0.00	---	50530

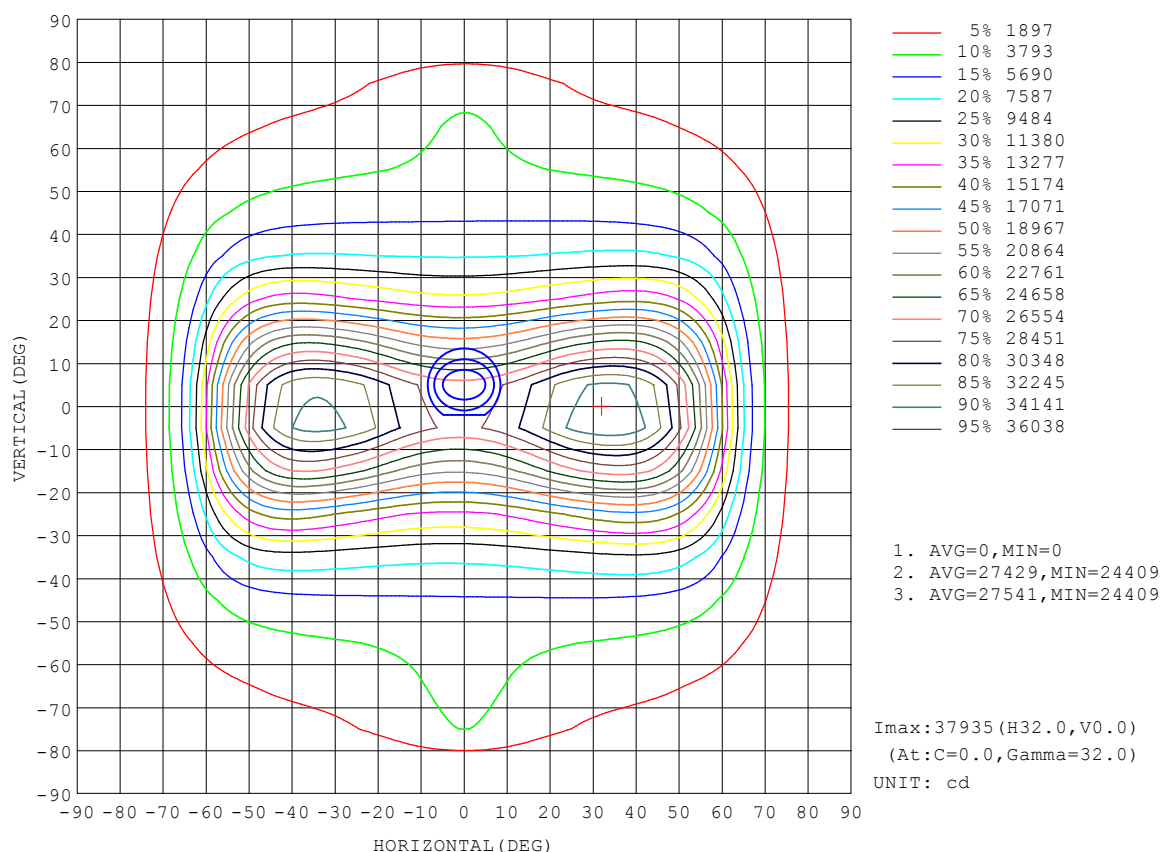
one-half-peak spread: U:21.8,D:19.6 , L:25.3,R:27.6 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:28 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:219.90V I:1.9082A P:413.46W PF:0.9853 Freq:49.99Hz Lamp Flux:55376.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

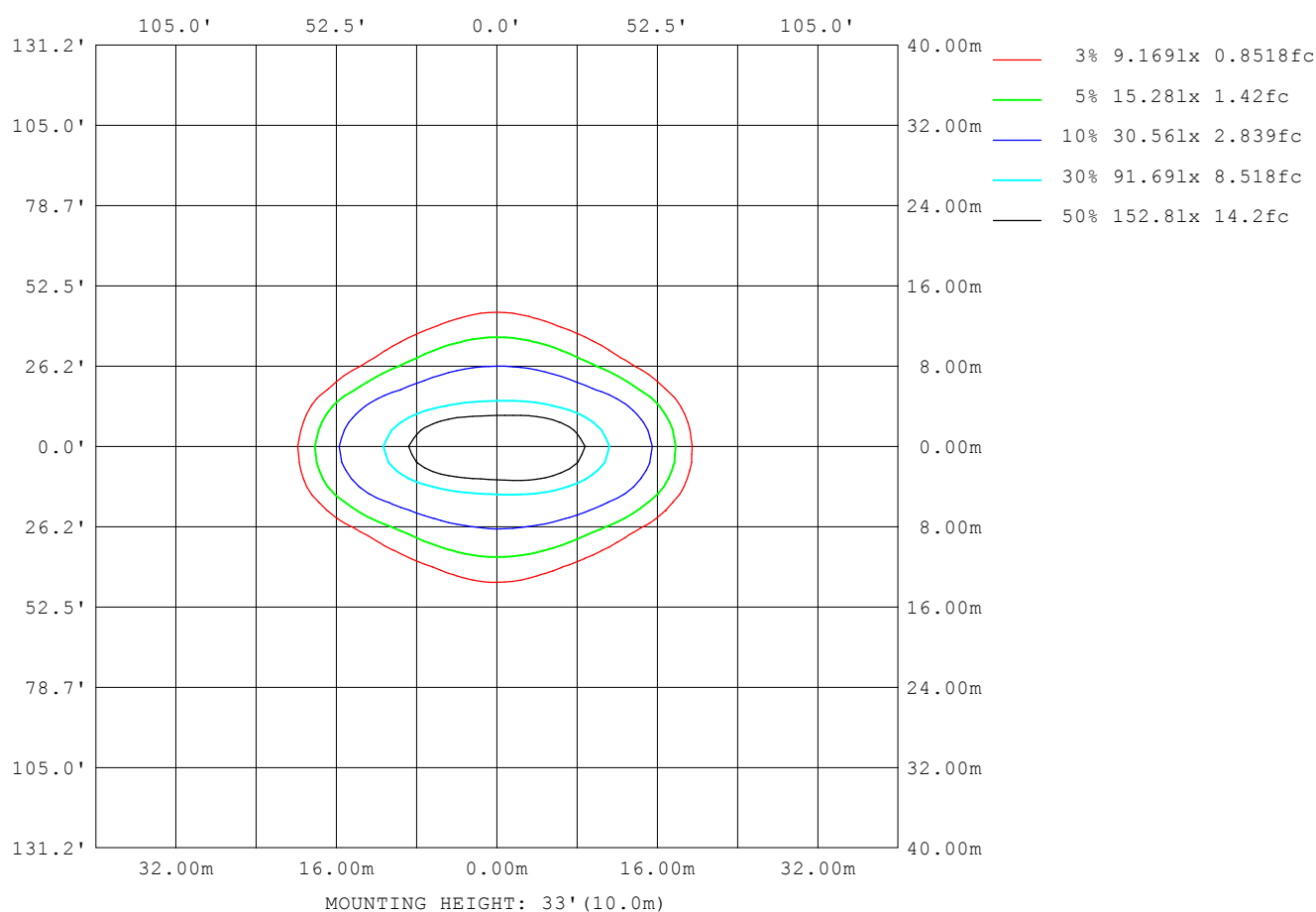


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:28 October 2019

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

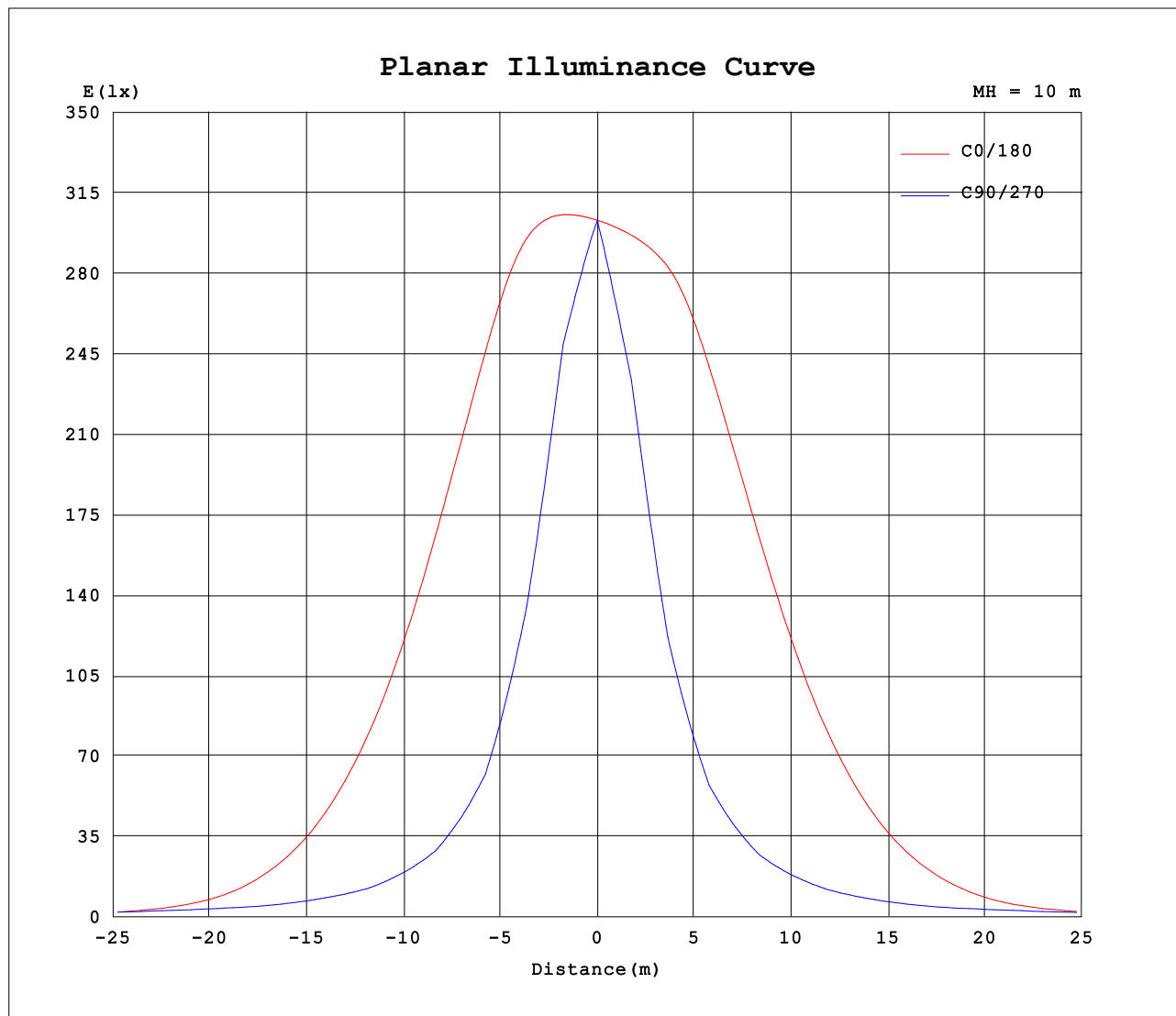
Test:U:219.90V I:1.9082A P:413.46W PF:0.9853 Freq:49.99Hz Lamp Flux:55376.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:28 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



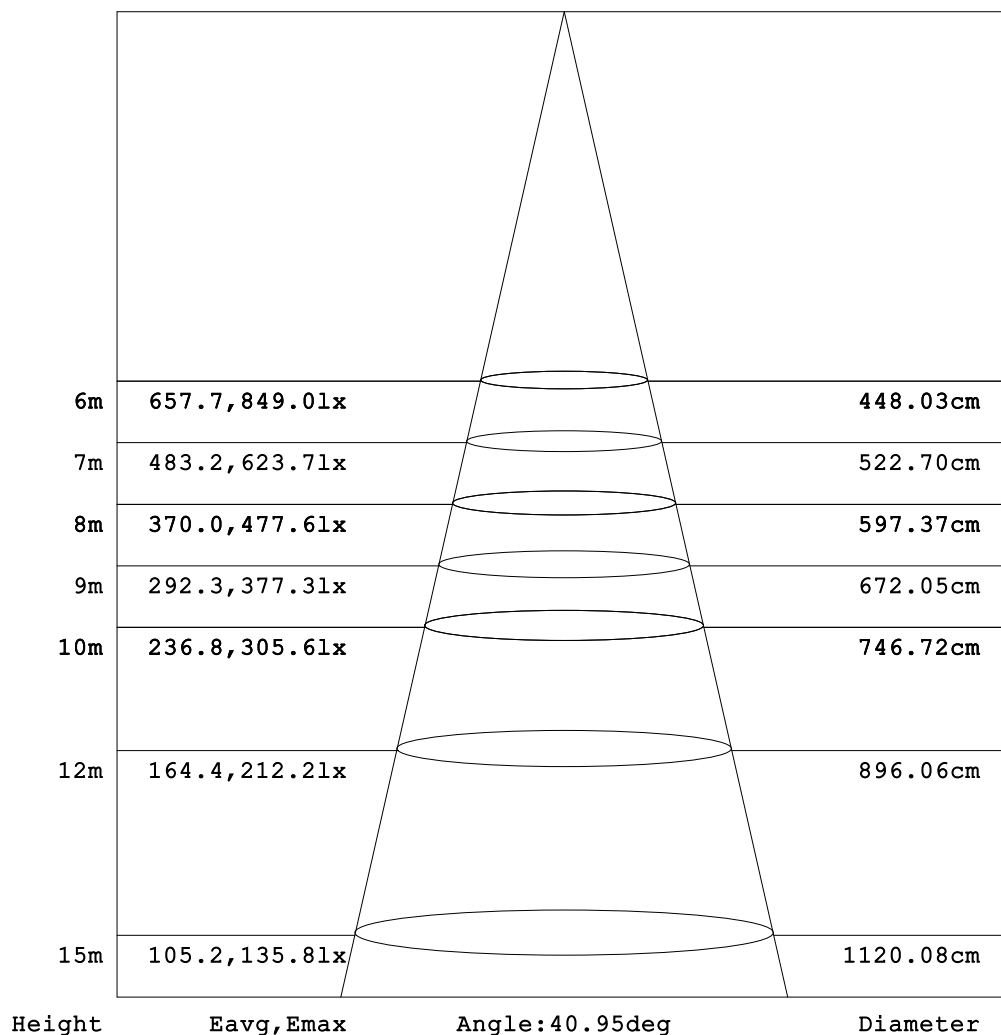
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:28 October 2019

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:219.90V I:1.9082A P:413.46W PF:0.9853 Freq:49.99Hz Lamp Flux:55376.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:10399 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:28 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:219.90V I:1.9082A P:413.46W PF:0.9853 Freq:49.99Hz Lamp Flux:55376.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	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	1.06	1.51	4.76	13.2	23.1	32.4	42.0	51.9	62.4	73.6	85.8	100	120	148	185	233	280	310	317
-75	1.04	2.14	8.85	22.8	39.9	55.0	70.3	85.3	100	116	130	144	162	187	221	269	323	365	380
-70	1.10	4.53	17.2	39.8	62.5	83.7	105	125	144	164	179	194	212	237	274	326	386	431	442
-65	1.08	4.73	20.4	49.1	79.3	108	136	162	186	207	223	237	253	273	299	334	372	404	416
-60	1.16	9.85	32.8	71.9	107	144	179	209	236	257	273	286	301	318	337	356	374	385	389
-55	1.14	8.43	34.0	79.7	124	171	219	262	295	320	338	352	365	377	390	403	415	424	427
-50	1.23	15.2	50.8	106	159	219	278	330	365	390	408	423	434	441	448	455	461	464	466
-45	1.18	12.4	50.4	110	172	250	336	415	468	500	519	530	537	540	543	545	547	549	551
-40	1.33	20.7	73.3	137	213	315	428	525	587	620	636	641	641	640	638	636	634	634	636
-35	1.23	16.2	68.3	134	218	342	513	688	804	859	870	861	847	831	818	806	799	795	797
-30	1.40	25.6	89.8	160	264	431	673	909	1052	1107	1103	1077	1046	1017	993	973	961	956	959
-25	1.28	20.6	81.3	152	259	451	786	1160	1428	1569	1606	1578	1520	1457	1396	1344	1307	1290	1291
-20	1.49	35.0	98.4	177	314	578	1059	1536	1881	2059	2105	2058	1968	1872	1777	1696	1644	1621	1628
-15	1.35	26.7	87.2	163	293	561	1106	1730	2216	2513	2650	2662	2599	2500	2379	2258	2168	2119	2113
-10	1.59	40.7	103	187	349	709	1420	2145	2698	3046	3217	3250	3194	3082	2931	2777	2665	2608	2607
-5	1.35	30.5	90.2	169	313	631	1323	2115	2756	3179	3412	3486	3456	3358	3205	3035	2905	2831	2815
0	1.81	42.1	105	193	366	760	1556	2375	3015	3435	3658	3723	3688	3582	3410	3233	3106	3039	3032
5	1.40	30.6	90.5	170	312	622	1288	2053	2673	3083	3309	3382	3357	3267	3121	2955	2827	2752	2735
10	1.89	41.0	103	187	346	684	1338	2011	2526	2849	3010	3045	3000	2903	2764	2617	2508	2450	2445
15	1.53	29.2	87.8	163	290	540	1026	1590	2024	2293	2421	2443	2397	2317	2216	2104	2016	1966	1955
20	1.91	39.0	99.1	178	309	546	953	1366	1655	1808	1856	1831	1767	1694	1622	1550	1497	1471	1469
25	1.61	26.5	82.1	152	255	429	707	1018	1240	1363	1407	1399	1363	1319	1276	1233	1199	1180	1176
30	1.90	34.3	90.0	159	257	404	593	773	889	947	962	956	942	927	912	900	890	885	886
35	1.71	22.5	72.4	133	213	324	462	597	691	745	768	773	771	765	758	751	746	743	743
40	1.90	28.5	77.2	135	207	296	389	466	520	556	577	590	597	600	601	600	600	600	601
45	1.80	17.4	58.8	108	167	237	310	375	422	454	477	493	504	511	515	519	522	525	526
50	1.92	21.0	59.2	103	154	207	259	306	339	364	385	401	414	423	432	439	446	450	452
55	1.88	11.6	42.9	79.0	120	163	206	244	276	299	318	334	347	360	373	386	398	406	410
60	1.98	13.4	40.5	70.4	103	136	168	196	223	243	259	272	285	302	320	337	353	365	368
65	1.95	6.21	26.5	50.3	75.7	102	128	152	175	195	212	225	240	258	283	315	352	381	393
70	2.02	5.84	21.8	40.2	59.3	79.0	98.3	117	136	155	170	184	200	224	258	307	364	406	418
75	2.00	2.92	11.0	24.0	37.5	51.7	65.9	79.6	93.8	109	122	135	151	173	205	248	298	336	351
80	2.04	2.27	4.98	13.2	21.3	30.0	38.9	47.8	57.4	67.8	79.2	92.4	110	134	167	209	250	276	283
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:28 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:219.90V I:1.9082A P:413.46W PF:0.9853 Freq:49.99Hz Lamp Flux:55376.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	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	300	262	213	169	138	114	98.1	85.7	74.8	64.2	54.2	44.7	35.2	25.9	14.7	6.28	2.32	1.09	
-75	365	325	271	223	189	165	148	135	122	108	93.0	78.5	63.4	48.1	30.9	14.1	5.33	1.20	
-70	418	366	307	261	230	208	193	179	164	145	126	106	85.5	64.3	39.3	17.3	5.66	1.06	
-65	405	375	336	302	277	257	243	230	214	195	172	147	120	90.9	61.4	28.3	10.5	1.28	
-60	382	368	351	332	315	300	287	274	258	236	208	178	143	106	69.3	29.7	9.73	1.05	
-55	425	417	406	395	383	372	361	347	330	307	276	235	188	140	95.3	47.2	16.3	1.39	
-50	465	462	457	452	447	440	429	414	394	367	330	275	215	155	103	45.7	14.5	1.05	
-45	552	553	553	553	554	552	548	538	520	487	436	361	274	193	127	70.3	21.1	1.49	
-40	639	643	649	655	660	664	664	657	635	591	517	413	299	202	129	68.7	16.9	1.08	
-35	803	814	830	849	868	888	905	912	897	841	730	561	383	246	155	88.8	26.4	1.56	
-30	971	991	1018	1050	1085	1119	1151	1165	1144	1056	884	635	405	248	151	83.4	20.3	1.14	
-25	1312	1352	1410	1479	1546	1606	1655	1672	1629	1498	1246	886	524	300	176	99.9	36.5	1.60	
-20	1665	1734	1829	1935	2032	2115	2173	2172	2079	1860	1480	977	530	290	166	91.1	29.2	1.20	
-15	2150	2230	2347	2486	2611	2700	2746	2724	2595	2325	1879	1280	678	348	191	107	44.8	1.67	
-10	2660	2767	2920	3091	3231	3310	3323	3245	3028	2643	2057	1322	648	324	177	96.3	35.5	1.26	
-5	2857	2957	3108	3289	3449	3539	3557	3485	3272	2886	2300	1540	774	375	199	111	46.9	1.91	
0	3086	3199	3365	3559	3715	3787	3779	3666	3390	2929	2259	1432	684	333	179	97.1	35.8	1.03	
5	2774	2868	3012	3187	3342	3431	3448	3378	3171	2797	2233	1503	760	373	199	111	47.0	2.20	
10	2491	2587	2726	2884	3016	3092	3105	3033	2829	2472	1932	1258	628	322	177	96.5	35.6	1.07	
15	1981	2046	2145	2264	2375	2456	2499	2481	2365	2123	1726	1194	647	343	191	108	45.3	2.26	
20	1492	1540	1610	1692	1771	1844	1897	1901	1825	1643	1323	895	506	286	166	91.6	33.1	1.24	
25	1187	1214	1254	1303	1353	1400	1438	1450	1414	1306	1102	806	496	295	176	101	41.9	2.22	
30	891	902	917	935	954	974	990	994	972	904	776	582	389	246	152	84.8	30.0	1.34	
35	746	752	760	770	780	789	795	793	775	730	645	514	367	244	156	90.4	37.0	2.18	
40	603	605	607	609	610	608	602	589	566	528	469	386	290	201	131	73.2	25.2	1.49	
45	527	526	525	522	519	515	506	493	473	444	401	339	265	191	128	75.4	30.4	2.14	
50	451	447	441	435	428	419	407	391	370	345	311	263	209	154	103	58.6	19.7	1.63	
55	408	401	390	378	367	355	344	330	313	291	262	225	183	138	95.3	57.0	22.7	2.11	
60	362	350	334	317	301	287	275	263	248	227	200	171	138	104	71.6	41.0	13.1	1.80	
65	384	356	321	289	264	247	233	221	207	188	165	142	116	89.0	62.6	37.6	14.5	2.10	
70	397	349	293	249	220	200	186	173	158	140	121	102	82.9	62.9	43.5	24.6	7.16	1.94	
75	339	304	255	211	180	158	142	130	118	104	89.6	75.8	61.6	47.2	33.2	18.6	7.04	2.10	
80	271	240	198	158	129	108	93.3	82.0	71.9	61.9	52.4	43.5	34.6	25.8	17.4	7.58	3.03	2.04	
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:28 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: