

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	721.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	160.2V x 141.3H
	At 50% of Imax	39.5V x 117.7H
	At 90% of Imax	13.1V x 101.7H

Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	901.5 lumens per klm.
	To 50% of Imax	522.1 lumens per klm.
	To 90% of Imax	64.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

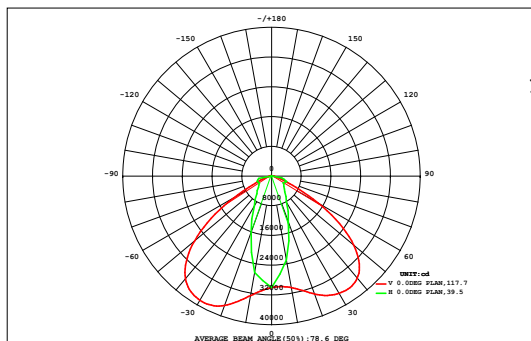
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:31 October 2019

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:220.04V I:1.7956A P:376.75W PF:0.9535 Freq:49.99Hz Lamp Flux:53477x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:141.94lm/W	
NJZMODEL 400-V01-RZ-32-PC-BL		Imax(cd)	38592
NOMINAL POWER(W)	400	AVAILABILITY(%)	90.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	48299
NOMINAL FLUX(lm)	53477	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	53477
TEST VOLTAGE(V)	220	θ @50% (H,V)	118,39DEG

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	0.42	3.63	10.5	20.6	32.9	47.1	69.1	106	138	133	94.8	62.0	43.1	29.8	17.8	8.35	2.41	0.20	820	265
70	0.67	5.68	16.5	31.7	48.0	63.0	79.2	101	121	118	95.7	76.3	61.5	46.3	29.4	14.5	4.49	0.38	913	145
60	0.96	8.25	24.9	48.0	70.5	89.5	105	117	124	124	117	104	88.7	69.3	45.6	22.4	6.87	0.63	1167	451
50	1.23	10.9	35.5	71.9	105	130	146	157	163	164	159	149	132	105	69.3	31.9	9.22	0.86	1641	1493
40	1.45	13.2	49.1	113	169	201	217	226	231	234	235	230	213	176	111	43.4	11.2	1.05	2476	2400
30	1.60	15.0	66.9	190	306	362	376	374	370	382	404	415	395	322	185	57.8	12.7	1.20	4238	4181
	1.69	16.4	87.8	299	521	641	671	648	629	655	717	746	694	536	283	73.5	13.7	1.28	7231	7183
	1.71	17.0	102	378	687	876	937	905	877	911	994	1024	920	684	347	84.0	14.4	1.33	9761	9716
	1.70	16.9	102	373	675	854	907	871	842	872	948	973	872	647	329	81.1	14.3	1.32	9380	9333
	1.61	15.7	84.1	283	483	583	601	575	558	576	620	633	580	446	239	67.6	13.6	1.27	6360	6310
	1.47	14.1	62.2	173	266	299	305	304	305	309	316	313	294	240	143	51.1	12.3	1.15	3409	3348
-30	1.24	12.1	43.9	96.4	138	164	180	190	195	196	190	178	158	127	83.1	38.0	10.6	0.97	2002	1909
-40	0.97	9.89	31.6	61.9	89.7	113	129	140	146	146	139	127	109	83.9	55.8	27.7	8.43	0.72	1418	1169
-50	0.67	7.30	21.7	41.7	61.7	79.3	94.5	108	118	117	107	92.1	76.3	58.3	38.1	19.1	6.05	0.46	1047	183
-60	0.41	4.77	13.9	26.7	41.4	54.6	69.5	91.4	113	112	90.0	67.6	52.5	39.0	24.3	12.0	3.73	0.25	818	93.2
-70	0.20	2.49	7.39	14.5	23.7	34.0	48.7	77.4	111	109	75.3	46.5	31.8	21.6	12.6	5.91	1.71	0.12	624	120
-80	0.05	0.46	1.41	2.90	4.97	8.28	14.5	24.7	34.1	33.0	22.6	12.6	6.85	3.74	1.92	0.74	0.17	0.03	173	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	18.1	174	761	2226	3724	4597	4950	5016	5074	5190	5323	5249	4727	3635	2014	639	146	13.2	53477	---
Φ a	0.00	0.00	509	1969	3423	4255	4540	4521	4747	4815	4831	4849	4389	3330	1759	361	0.00	0.00	---	48299

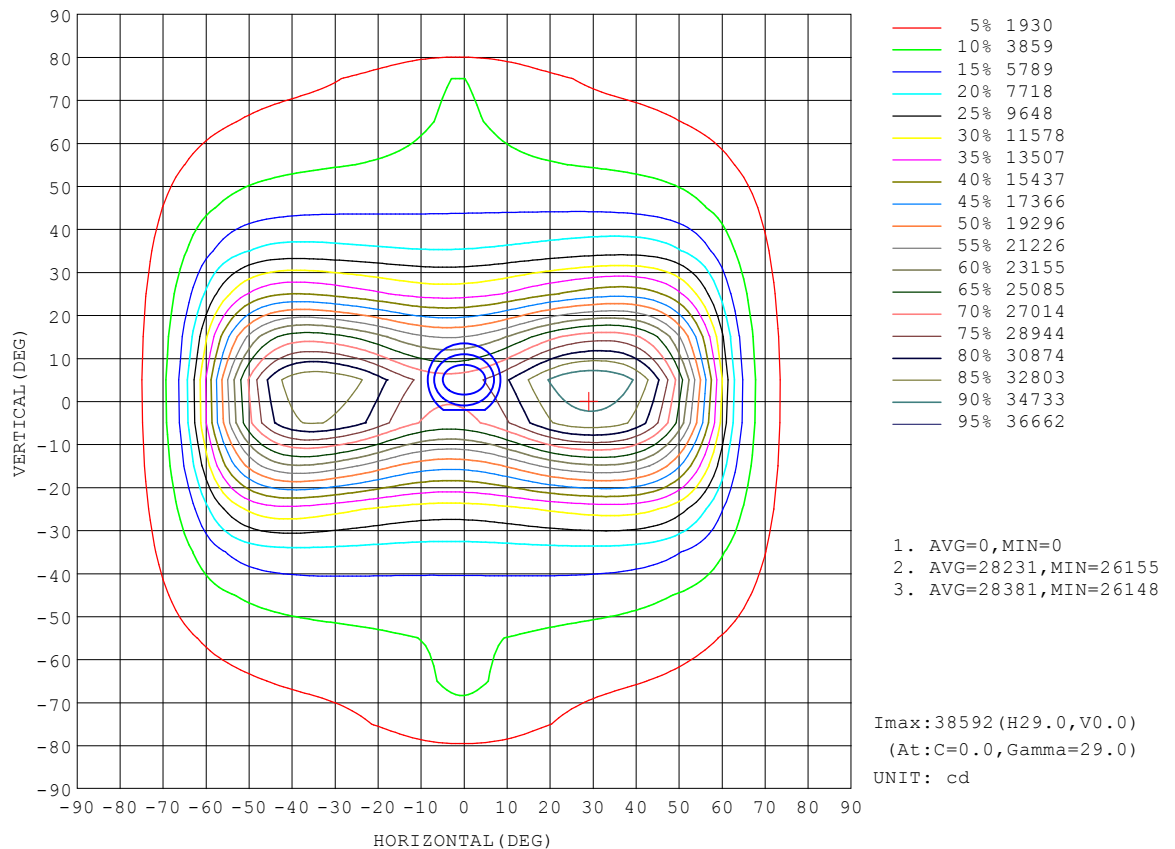
one-half-peak spread: U:18.1,D:21.7 , L:25.7,R:29.1 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:31 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:220.04V I:1.7956A P:376.75W PF:0.9535 Freq:49.99Hz Lamp Flux:53477x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

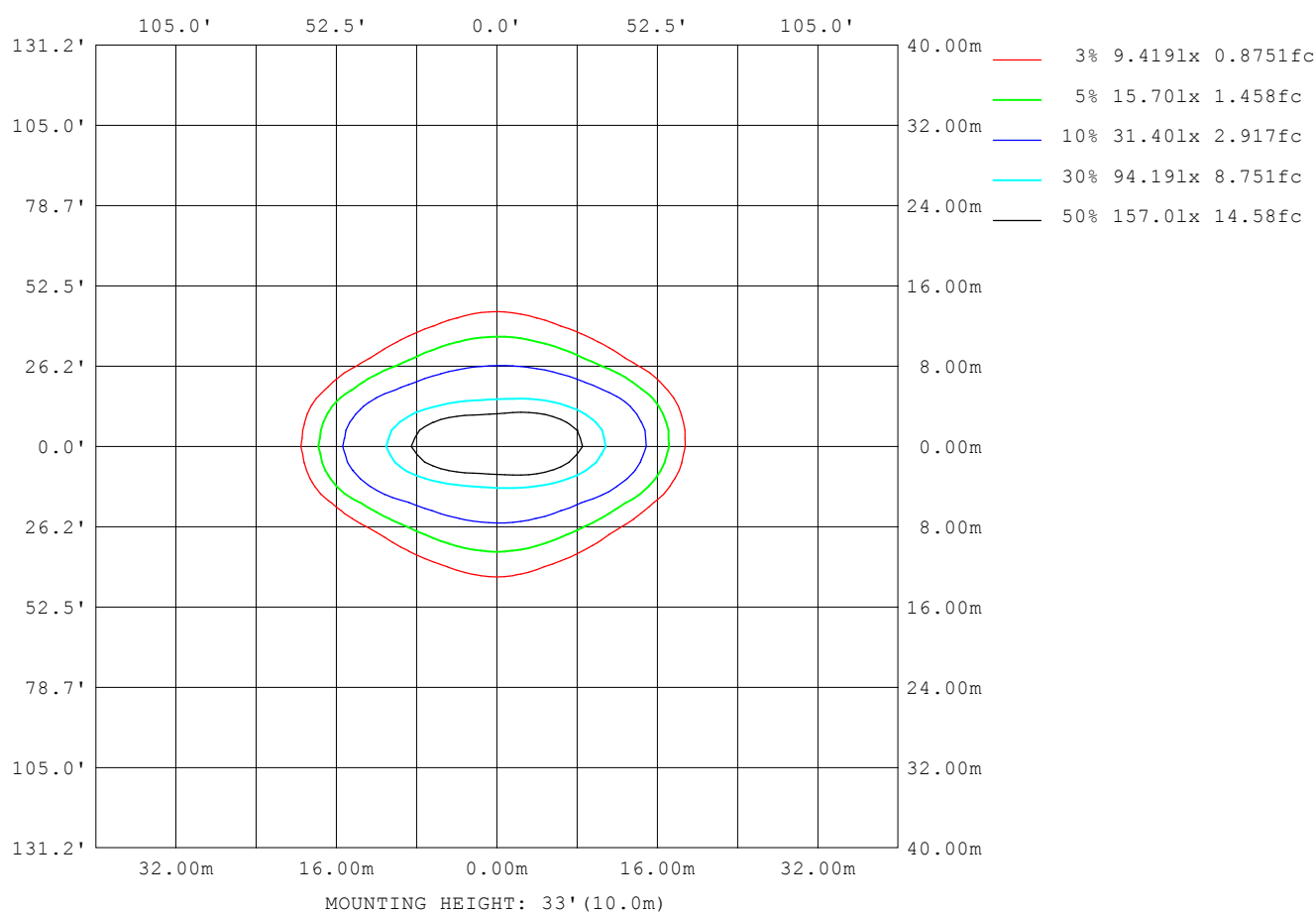


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:31 October 2019

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Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

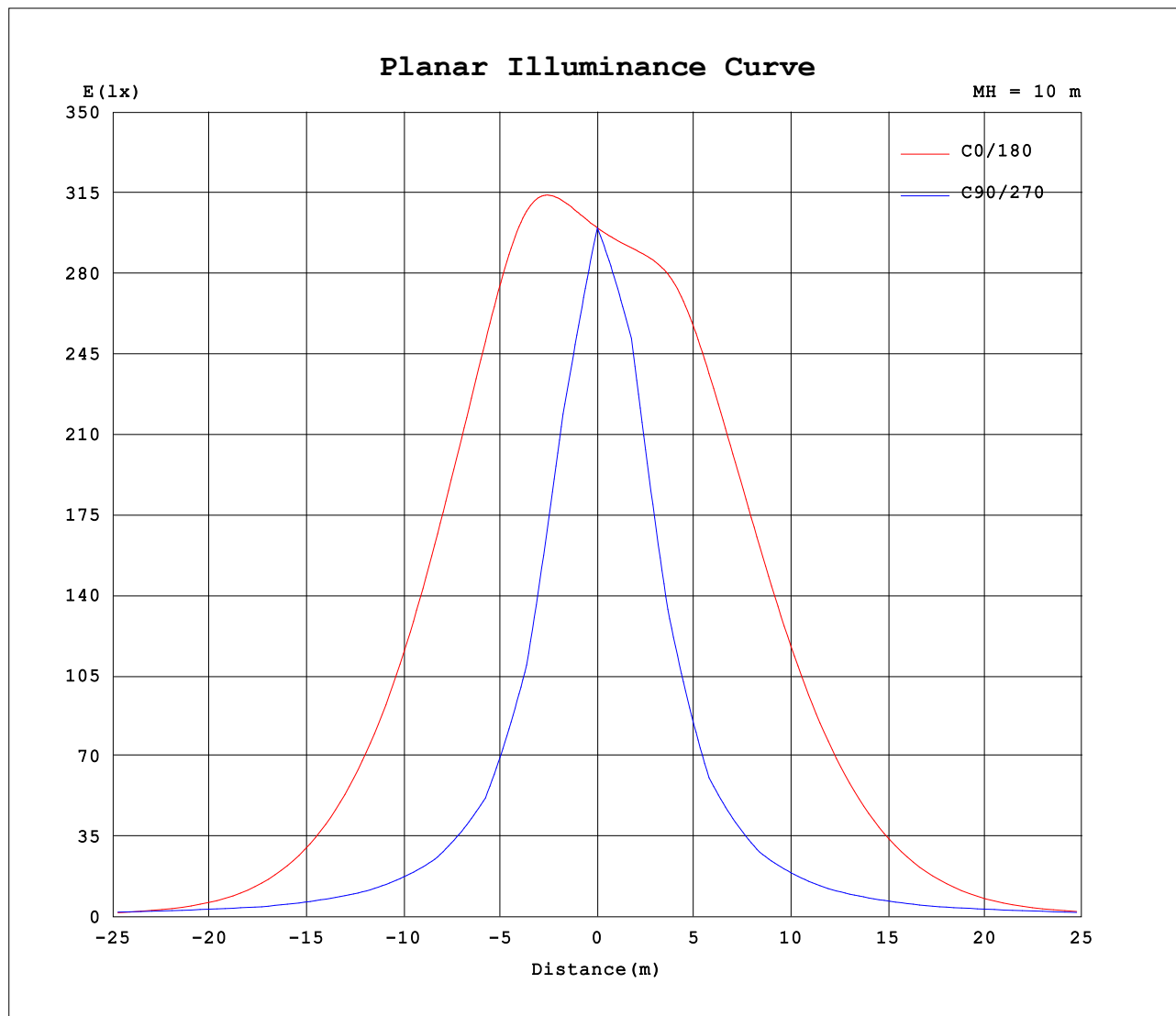
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:31 October 2019

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



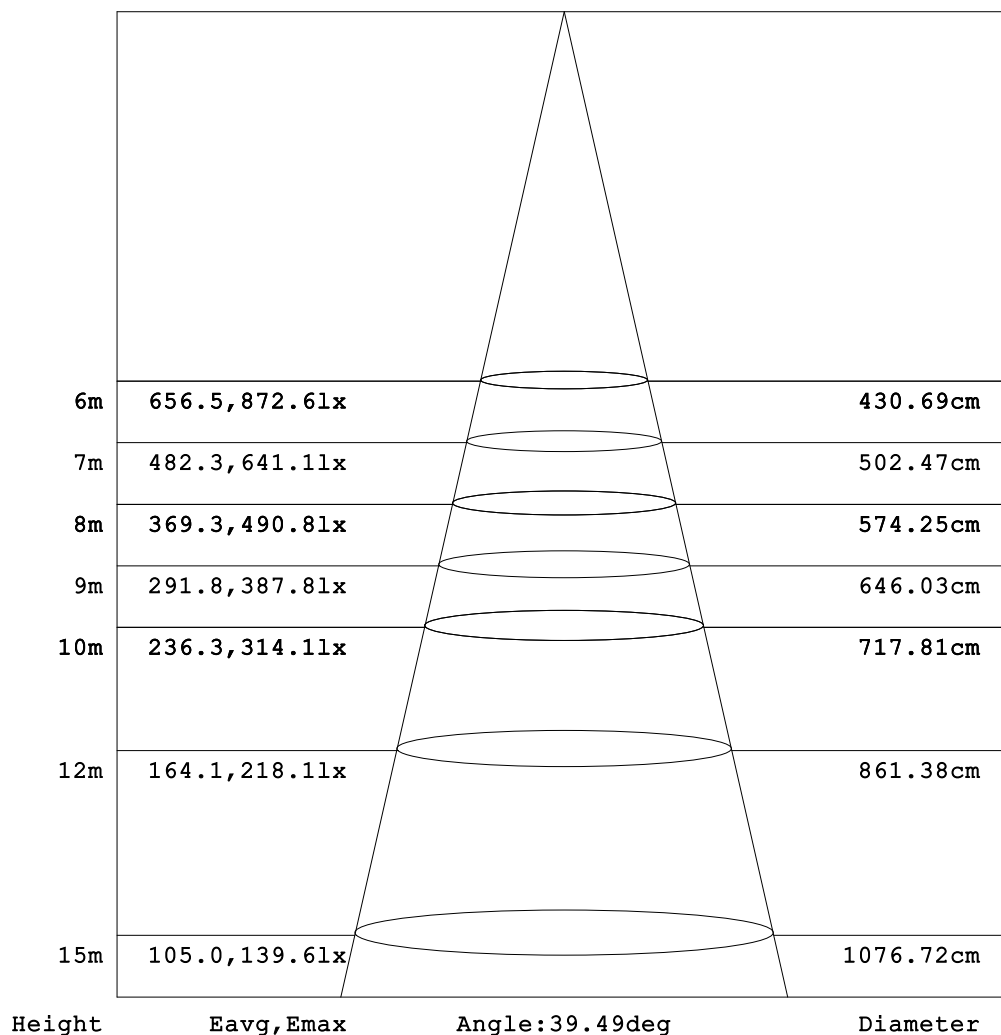
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:31 October 2019

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:220.04V I:1.7956A P:376.75W PF:0.9535 Freq:49.99Hz Lamp Flux:53477x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:9836 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:31 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:220.04V I:1.7956A P:376.75W PF:0.9535 Freq:49.99Hz Lamp Flux:53477x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	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	2.17	3.48	8.64	18.0	25.7	33.5	41.7	49.8	58.5	67.1	76.7	88.5	105	127	157	195	237	266	275
-75	2.10	4.62	15.4	31.1	44.1	57.4	70.8	83.8	96.9	110	122	135	151	173	204	250	304	344	355
-70	2.04	5.76	22.1	44.1	62.5	81.3	99.9	118	135	153	168	181	196	218	252	305	372	421	436
-65	1.93	7.78	31.2	58.5	83.1	108	133	156	177	196	211	223	237	255	281	318	360	392	402
-60	1.82	9.81	40.2	72.8	104	135	166	193	219	239	253	265	277	292	311	330	349	363	367
-55	1.74	12.5	50.0	88.1	127	169	209	245	273	295	311	325	336	348	361	375	388	397	399
-50	1.66	15.2	59.7	103	151	203	253	296	328	351	370	384	396	404	412	420	426	430	431
-45	1.62	18.8	68.4	118	176	244	314	372	412	439	458	470	478	484	487	490	493	495	496
-40	1.57	22.5	77.1	132	201	286	375	447	496	527	546	556	561	563	563	561	560	560	560
-35	1.60	26.5	82.8	143	224	337	471	589	664	702	714	715	710	702	694	687	682	679	680
-30	1.62	30.6	88.5	154	248	387	566	731	832	877	883	874	858	841	826	813	803	799	800
-25	1.68	35.4	93.3	163	273	454	731	1006	1190	1278	1292	1264	1219	1175	1133	1096	1070	1059	1061
-20	1.73	40.2	98.0	173	298	521	895	1281	1547	1679	1701	1653	1581	1509	1441	1379	1337	1319	1323
-15	1.78	41.4	101	179	318	589	1071	1588	1975	2205	2296	2286	2217	2127	2021	1913	1836	1801	1807
-10	1.83	42.6	103	185	337	657	1247	1894	2403	2730	2892	2918	2853	2745	2601	2447	2335	2282	2292
-5	1.85	43.5	105	188	348	689	1343	2063	2644	3033	3239	3292	3247	3144	2987	2816	2692	2634	2645
0	1.87	44.4	107	192	359	722	1438	2231	2886	3336	3586	3667	3640	3543	3372	3184	3048	2986	2999
5	2.17	44.0	106	191	353	701	1369	2115	2725	3140	3366	3437	3408	3315	3161	2986	2859	2801	2817
10	2.46	43.7	106	189	347	681	1300	1998	2564	2944	3147	3207	3175	3088	2949	2788	2670	2617	2635
15	2.47	43.2	104	185	332	621	1137	1707	2159	2447	2587	2611	2563	2480	2368	2243	2150	2109	2124
20	2.47	42.7	103	181	316	561	974	1415	1753	1950	2028	2015	1950	1871	1787	1697	1629	1601	1614
25	2.45	40.8	99.1	173	292	493	802	1124	1362	1494	1540	1527	1483	1431	1378	1323	1282	1265	1274
30	2.44	39.0	95.3	165	268	425	631	832	970	1038	1053	1039	1015	991	968	949	935	929	934
35	2.43	36.7	89.9	154	244	372	526	669	768	820	837	834	823	810	798	788	780	778	781
40	2.42	34.5	84.6	144	221	318	422	506	566	603	621	629	631	630	628	627	626	627	629
45	2.42	31.2	76.6	130	195	273	354	420	467	498	518	529	535	539	541	543	545	547	549
50	2.43	28.0	68.7	115	170	228	286	334	368	394	414	430	440	447	453	459	464	467	468
55	2.42	24.4	59.9	99.7	145	193	239	279	309	332	350	364	376	387	397	408	418	424	425
60	2.40	20.9	51.2	84.0	120	157	191	223	250	270	286	299	311	326	342	357	371	380	382
65	2.41	17.2	42.1	69.2	98.2	128	156	182	206	225	240	253	268	287	311	340	371	393	399
70	2.43	13.5	33.0	54.3	76.6	99.2	121	142	161	179	194	208	225	248	280	322	370	406	415
75	2.44	9.64	24.7	40.7	57.4	74.5	91.3	107	123	138	152	167	186	213	249	298	347	380	386
80	2.45	5.83	16.4	27.1	38.2	49.7	61.5	73.3	85.6	97.9	110	125	147	177	219	274	325	353	357
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:31 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:220.04V I:1.7956A P:376.75W PF:0.9535 Freq:49.99Hz Lamp Flux:53477x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	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	260	225	183	144	115	93.4	77.8	65.8	56.1	47.2	38.4	30.4	22.6	15.2	9.66	4.67	2.25	1.61	
-75	338	296	242	196	163	141	125	112	99.7	86.0	72.0	58.7	45.5	32.6	21.0	9.26	2.93	1.61	
-70	417	367	302	247	212	189	173	159	143	125	106	87.1	68.5	50.0	32.4	13.9	3.60	1.61	
-65	389	356	314	276	249	229	214	201	184	164	141	118	93.2	68.8	45.4	21.2	4.68	1.63	
-60	361	345	326	305	285	269	255	242	225	203	176	148	118	87.6	58.4	28.6	5.75	1.64	
-55	395	384	370	355	340	326	313	297	278	253	222	186	148	109	72.6	37.6	7.57	1.65	
-50	429	423	415	405	395	384	370	352	330	303	268	225	178	131	86.7	46.6	9.39	1.67	
-45	495	492	488	483	476	467	454	435	409	375	331	276	213	153	100	54.6	11.8	1.67	
-40	560	560	561	560	557	550	538	518	488	447	394	326	249	175	114	62.6	14.3	1.67	
-35	683	687	693	698	701	700	693	676	643	586	504	399	290	196	125	69.0	17.9	1.68	
-30	805	814	825	836	845	851	849	834	797	725	614	472	331	217	137	75.3	21.5	1.70	
-25	1078	1108	1145	1182	1212	1235	1245	1225	1161	1033	833	589	377	235	144	79.1	24.5	1.73	
-20	1351	1401	1465	1527	1578	1620	1640	1617	1525	1341	1052	706	424	253	151	82.8	27.5	1.76	
-15	1858	1948	2064	2173	2248	2288	2284	2212	2041	1753	1336	858	472	268	156	85.5	28.7	1.80	
-10	2365	2496	2663	2819	2918	2956	2927	2807	2558	2165	1621	1009	521	283	162	88.1	30.0	1.83	
-5	2728	2879	3074	3261	3376	3406	3360	3206	2902	2435	1803	1099	546	289	163	88.6	30.2	1.87	
0	3092	3261	3485	3703	3833	3857	3792	3606	3247	2705	1986	1190	571	295	163	89.1	30.4	1.91	
5	2908	3071	3284	3491	3620	3654	3604	3440	3111	2605	1922	1161	562	293	163	88.9	30.5	1.98	
10	2724	2881	3083	3279	3407	3451	3417	3275	2975	2505	1859	1133	553	290	163	88.7	30.6	2.05	
15	2196	2321	2481	2638	2750	2811	2813	2724	2504	2135	1605	995	509	277	158	86.2	29.3	2.06	
20	1667	1760	1879	1997	2093	2171	2208	2174	2033	1764	1351	857	465	263	153	83.6	28.0	2.08	
25	1308	1366	1441	1517	1582	1637	1668	1652	1565	1381	1085	718	418	246	146	80.5	26.7	2.09	
30	949	972	1003	1037	1071	1103	1127	1131	1096	997	820	579	370	229	140	77.4	25.3	2.10	
35	790	805	822	842	861	879	890	886	855	782	655	484	326	210	131	72.1	23.0	2.11	
40	632	637	642	647	652	654	652	641	615	567	490	388	282	190	122	66.9	20.6	2.13	
45	550	551	551	551	551	548	541	527	502	464	405	327	244	169	109	60.0	18.3	2.14	
50	468	465	460	455	450	442	430	413	390	360	320	266	205	148	96.9	53.0	16.0	2.15	
55	422	415	405	394	384	374	362	347	327	300	265	221	172	125	82.4	44.8	13.0	2.17	
60	376	364	349	333	318	305	293	280	263	240	209	176	139	102	68.0	36.5	9.95	2.19	
65	384	355	323	297	276	260	247	233	216	195	169	141	112	82.1	54.2	28.5	7.88	2.21	
70	391	346	298	260	234	215	201	186	170	150	129	107	84.4	61.9	40.5	20.4	5.81	2.23	
75	364	320	268	225	194	172	156	142	127	111	94.7	77.7	60.5	43.7	27.9	13.9	4.17	2.26	
80	338	295	239	189	154	128	111	97.2	85.3	73.0	60.3	48.3	36.6	25.5	15.3	7.45	2.53	2.28	
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:31 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: