

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	551.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	127.8V x 127.3H
	At 50% of Imax	84.5V x 80.9H
	At 90% of Imax	47.0V x 44.6H

Beam Flux	Total	998.8 lumens per klm.
	To 10% of Imax	929.8 lumens per klm.
	To 50% of Imax	679.3 lumens per klm.
	To 90% of Imax	261.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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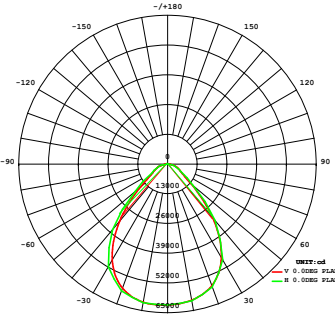
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 2019

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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:220.01V I:3.7760A P:818.68W PF:0.9855 Freq:49.99Hz Lamp Flux:112002x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

	DATA OF LAMP		Eff:136.81lm/W	
	MODEL:GO-2000A-V01-RZ-90-PC-U-GR		Imax(cd)	61717
	NOMINAL POWER(W)	840	AVAILABILITY(%)	92.9
	RATED VOLTAGE(V)	220	Avai. FLUX(lm)	104080
	NOMINAL FLUX(lm)	112002	LOR(%)	100.0
	LAMPS INSIDE	1	TOTAL FLUX(lm)	112002
	TEST VOLTAGE(V)	220	θ @50% (H,V)	81,84DEG

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	0.28	5.07	18.7	38.4	61.6	85.8	108	122	131	132	127	116	94.8	70.7	46.3	25.0	8.47	0.66	1191	0.00
70	0.70	10.4	32.6	61.8	93.6	127	159	181	193	195	188	168	137	103	70.1	38.8	14.0	1.35	1775	600
60	1.22	15.4	44.9	83.0	128	179	244	315	364	369	326	259	193	139	91.6	50.8	18.8	1.99	2825	2385
50	1.69	19.0	53.9	101	164	276	461	664	794	801	683	488	300	179	110	60.3	22.7	2.55	5180	4902
40	2.09	21.9	61.2	117	223	481	853	1175	1346	1353	1192	883	518	247	129	68.0	25.6	2.97	8698	8490
30	2.37	23.8	66.8	134	317	732	1196	1529	1687	1694	1543	1220	772	355	149	74.2	28.0	3.30	11528	11357
	2.55	25.1	70.6	150	413	910	1384	1691	1828	1836	1708	1407	947	456	170	78.5	29.4	3.49	13110	12959
	2.59	25.6	72.4	160	463	983	1448	1735	1860	1872	1761	1479	1025	511	184	80.9	30.2	3.62	13696	13550
	2.53	25.3	71.5	157	452	965	1427	1713	1841	1858	1749	1467	1012	503	182	80.1	29.9	3.59	13540	13393
	2.27	23.9	68.0	142	381	853	1319	1629	1775	1793	1670	1370	914	439	167	77.2	29.1	3.49	12656	12493
-30	1.88	22.2	63.2	125	281	653	1094	1424	1593	1608	1465	1151	721	334	144	72.0	27.4	3.11	10781	10596
-40	1.34	19.6	56.7	108	192	407	741	1044	1217	1232	1087	803	471	230	123	65.6	25.2	2.58	7825	7593
-50	0.86	16.1	48.7	91.3	143	224	379	563	689	705	605	432	265	163	104	57.6	22.0	1.97	4511	4181
-60	0.49	11.7	38.6	72.9	112	149	184	228	269	277	250	206	165	125	84.5	47.7	17.5	1.43	2240	1512
-70	0.22	6.65	25.5	50.4	78.3	106	130	142	145	147	147	139	118	90.7	62.2	35.2	11.8	0.92	1435	69.6
-80	0.07	2.04	10.7	24.3	41.1	58.4	74.1	84.6	90.1	91.9	90.1	82.9	69.1	52.4	35.7	19.5	5.97	0.55	833	0.00
-90	0.02	0.05	0.71	2.94	6.49	10.4	14.9	18.7	21.0	21.9	21.4	19.3	15.9	12.0	7.19	3.45	0.98	0.14	177	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	23.2	274	805	1619	3548	7200	11215	14258	15845	15988	14611	11690	7738	4010	1860	935	347	37.7	112002	---
Φ a	0.00	0.00	64.7	1030	3049	6712	10746	13792	15375	15517	14149	11245	7290	3545	1342	222	0.00	0.00	---	104080

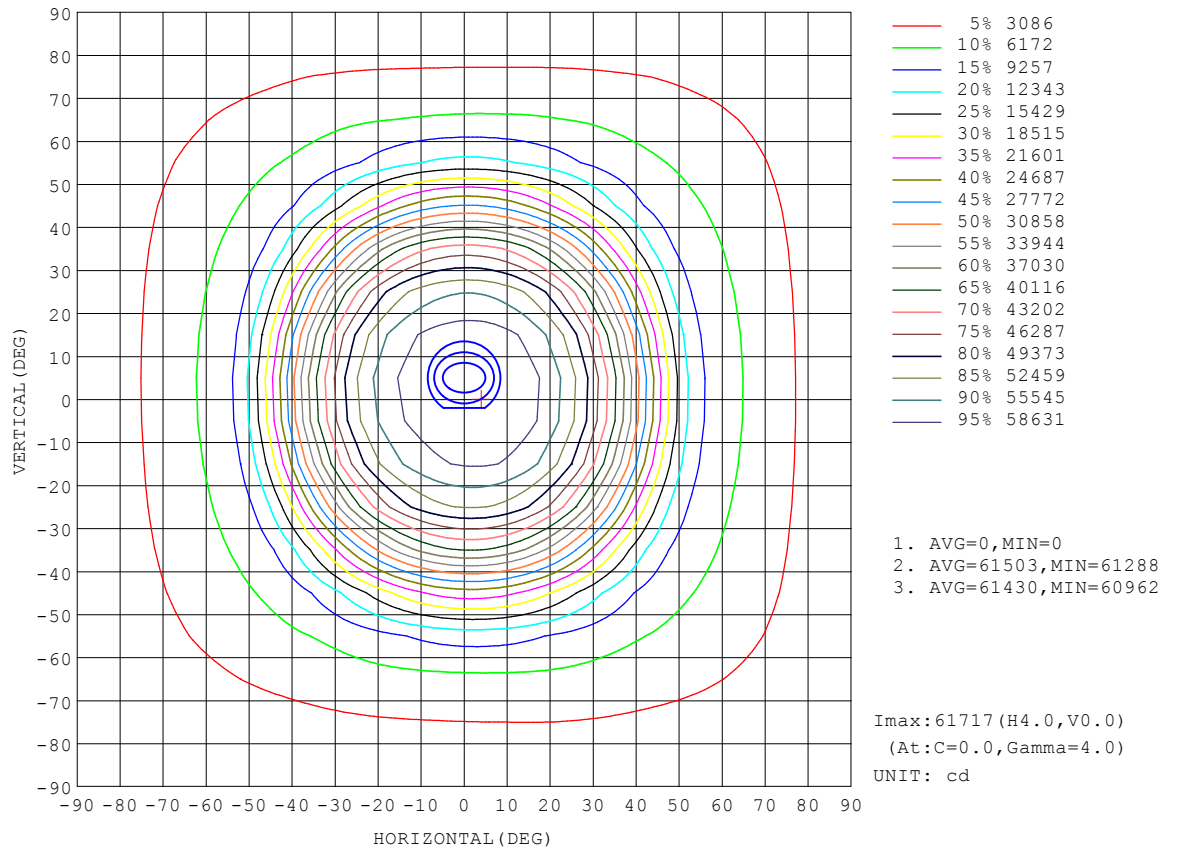
one-half-peak spread: U:41.1,D:43.8 , L:44.1,R:37.2 NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 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:220.01V I:3.7760A P:818.68W PF:0.9855 Freq:49.99Hz Lamp Flux:112002x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

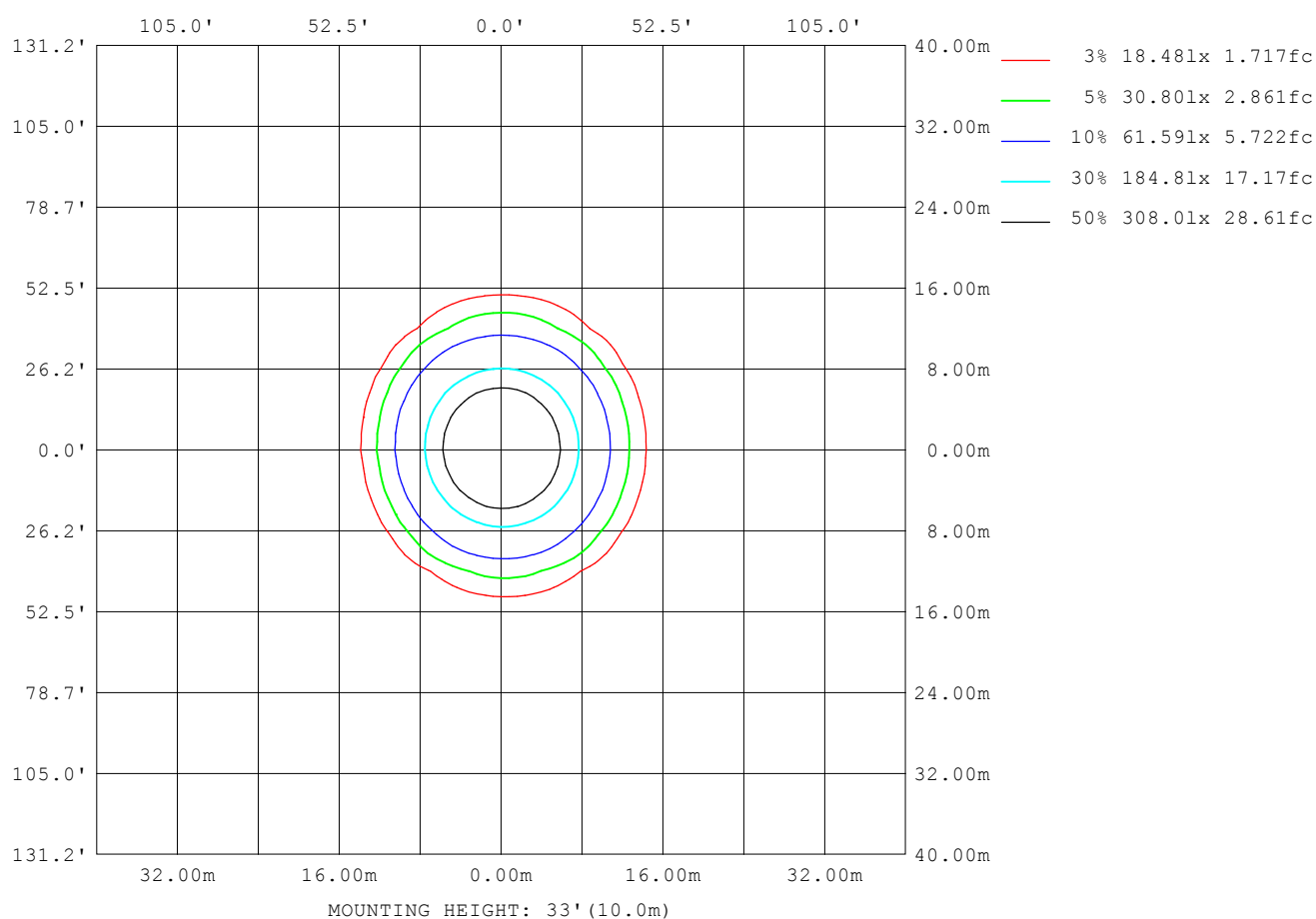


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 2019

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

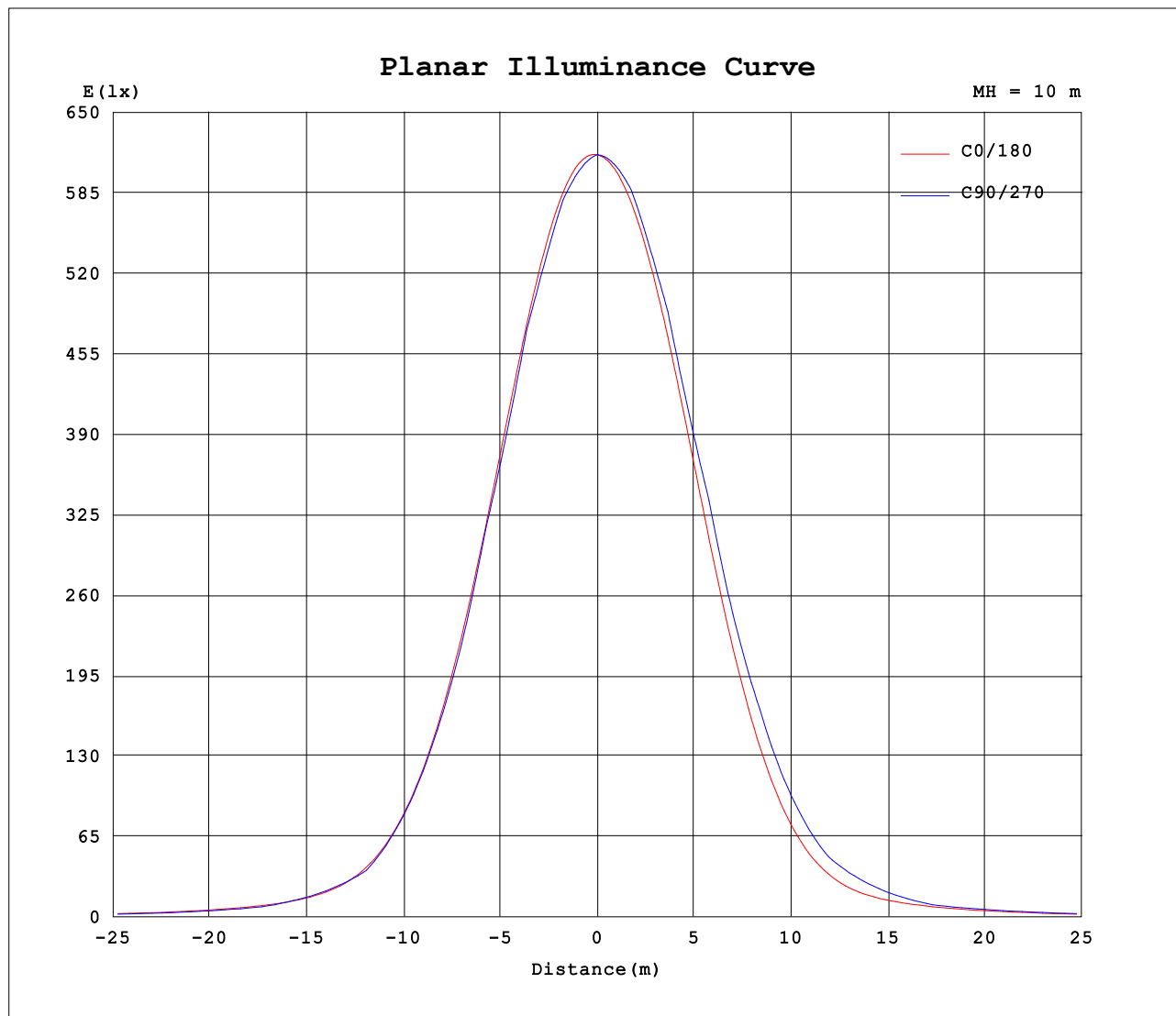
Test:U:220.01V I:3.7760A P:818.68W PF:0.9855 Freq:49.99Hz Lamp Flux:112002x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 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



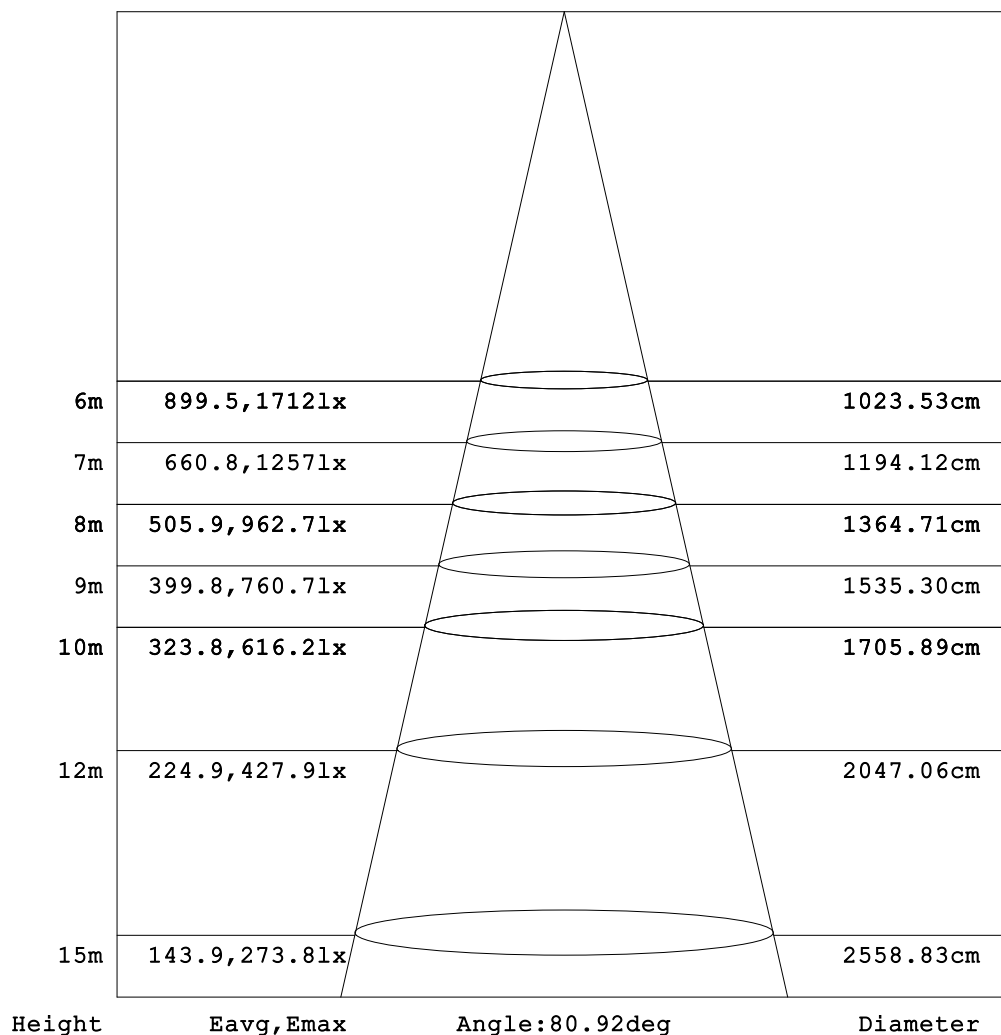
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:06 November 2019

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:220.01V I:3.7760A P:818.68W PF:0.9855 Freq:49.99Hz Lamp Flux:112002x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:74205 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: CL  
Test Date: 06 November 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:220.01V I:3.7760A P:818.68W PF:0.9855 Freq:49.99Hz Lamp Flux:112002x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	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	1.74	1.81	2.35	5.83	16.4	31.8	50.2	68.3	86.6	104	118	133	148	162	173	182	189	193	196
-75	1.74	2.03	6.75	25.0	53.5	83.4	111	139	167	190	212	233	253	269	282	291	297	302	306
-70	1.74	2.25	11.1	44.1	90.7	135	172	209	247	277	305	333	357	377	391	400	404	410	416
-65	1.72	3.22	22.2	75.4	140	193	240	283	325	361	395	428	459	484	505	519	528	537	543
-60	1.70	4.18	33.2	107	188	251	307	357	403	445	485	524	560	592	618	638	652	663	671
-55	1.70	6.39	48.1	138	226	295	357	414	468	520	572	625	684	751	826	902	970	1021	1048
-50	1.70	8.59	63.1	169	264	338	406	471	533	594	659	727	808	911	1034	1166	1288	1379	1425
-45	1.71	12.5	80.3	194	294	373	447	519	593	675	783	944	1162	1420	1687	1931	2128	2264	2327
-40	1.72	16.4	97.4	219	323	407	488	568	653	755	906	1162	1515	1930	2339	2695	2969	3148	3228
-35	1.75	19.5	114	236	346	434	522	612	719	887	1185	1619	2128	2647	3113	3492	3769	3945	4021
-30	1.79	22.5	131	254	369	461	556	657	784	1019	1463	2076	2741	3363	3886	4288	4569	4742	4813
-25	1.83	28.1	143	269	386	483	584	701	880	1252	1844	2565	3282	3914	4420	4792	5046	5199	5265
-20	1.87	33.6	154	284	404	505	613	745	976	1484	2226	3054	3822	4464	4953	5297	5522	5656	5716
-15	1.92	42.3	159	292	415	520	634	781	1079	1693	2514	3374	4139	4757	5210	5520	5718	5835	5891
-10	1.96	50.9	164	301	426	534	656	817	1183	1902	2802	3694	4457	5050	5468	5743	5913	6014	6067
-5	2.00	54.2	169	308	433	544	669	844	1253	2012	2935	3828	4582	5160	5560	5819	5976	6067	6113
0	2.04	57.5	173	315	441	554	683	872	1323	2121	3067	3962	4707	5270	5653	5895	6039	6119	6159
5	2.08	57.2	172	314	439	551	679	860	1289	2073	3009	3904	4656	5231	5627	5881	6031	6114	6153
10	2.13	56.9	171	312	438	549	675	849	1256	2025	2952	3846	4605	5191	5601	5867	6023	6109	6147
15	2.16	55.4	169	307	430	539	659	820	1167	1849	2724	3602	4367	4976	5416	5708	5885	5981	6022
20	2.18	53.9	167	302	422	528	644	792	1078	1673	2496	3357	4129	4761	5231	5550	5746	5854	5897
25	2.21	50.3	160	291	409	510	619	749	972	1432	2128	2911	3656	4292	4787	5139	5364	5489	5539
30	2.24	46.8	154	280	395	492	594	706	866	1191	1759	2465	3182	3823	4343	4729	4981	5125	5181
35	2.26	42.5	145	265	376	468	563	663	793	1021	1419	1958	2548	3116	3604	3986	4249	4403	4462
40	2.29	38.2	136	250	357	444	531	620	719	850	1079	1451	1914	2410	2865	3243	3517	3681	3742
45	2.32	32.2	122	230	331	412	492	572	656	757	909	1142	1438	1771	2096	2384	2604	2742	2795
50	2.35	26.1	109	209	305	381	454	524	592	663	740	834	962	1132	1328	1525	1691	1804	1849
55	2.37	21.1	93.0	184	271	342	408	470	530	590	651	720	806	910	1025	1138	1233	1297	1325
60	2.39	16.2	77.1	159	238	303	362	417	468	516	562	606	649	689	722	751	774	791	800
65	2.42	11.6	58.6	125	193	250	301	351	394	433	472	510	545	577	603	622	635	646	652
70	2.44	6.91	40.0	90.5	148	196	240	285	319	350	383	413	441	466	483	492	496	500	504
75	2.45	4.96	24.7	59.6	100	138	173	206	236	263	290	315	337	356	370	379	384	389	393
80	2.45	3.01	9.26	28.7	53.0	79.4	106	128	153	177	197	216	234	247	257	265	272	278	282
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:06 November 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:220.01V I:3.7760A P:818.68W PF:0.9855 Freq:49.99Hz Lamp Flux:112002x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	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	199	201	201	199	194	187	178	167	156	140	121	104	84.0	64.2	38.7	20.2	11.3	4.20	
-75	308	310	311	309	303	292	278	261	243	224	202	176	148	117	71.1	31.8	16.0	4.10	
-70	417	419	421	419	411	397	378	355	331	309	283	247	212	170	103	43.4	20.7	3.99	
-65	546	547	546	539	525	504	478	449	419	388	353	311	268	218	140	58.7	25.9	3.86	
-60	675	676	671	658	639	612	579	544	507	467	423	376	324	266	177	74.1	31.0	3.73	
-55	1048	1023	973	909	837	767	701	642	587	534	481	426	366	302	214	96.0	38.9	3.68	
-50	1420	1371	1276	1159	1036	921	823	739	666	602	539	475	408	337	251	118	46.8	3.62	
-45	2313	2225	2065	1849	1600	1341	1103	909	770	671	592	517	442	364	273	141	49.5	3.55	
-40	3206	3079	2854	2540	2165	1760	1383	1079	874	740	644	559	476	392	294	164	52.2	3.48	
-35	3999	3873	3641	3303	2874	2380	1870	1407	1058	832	696	595	503	412	312	179	55.6	3.22	
-30	4791	4667	4428	4066	3584	2999	2358	1735	1241	925	748	630	530	433	330	193	59.1	2.95	
-25	5250	5145	4931	4592	4121	3525	2839	2125	1495	1048	802	661	551	449	343	198	69.7	2.52	
-20	5709	5623	5434	5118	4658	4051	3320	2515	1750	1171	855	692	572	464	356	204	80.2	2.08	
-15	5893	5824	5659	5369	4937	4349	3619	2791	1964	1298	907	717	588	476	365	208	90.4	2.05	
-10	6077	6025	5884	5621	5216	4647	3918	3067	2178	1426	960	742	604	488	374	212	101	2.01	
-5	6124	6077	5945	5695	5304	4747	4025	3170	2265	1474	979	750	610	491	376	212	100	2.01	
0	6171	6129	6006	5769	5391	4847	4131	3274	2353	1523	998	758	616	495	378	212	99.7	2.01	
5	6157	6104	5972	5726	5339	4788	4069	3214	2302	1495	987	756	614	495	378	212	99.6	2.18	
10	6142	6080	5939	5683	5287	4729	4007	3154	2251	1467	977	754	613	494	378	212	99.5	2.34	
15	6011	5933	5768	5485	5062	4482	3755	2917	2060	1346	928	731	600	484	370	208	95.9	2.33	
20	5879	5785	5597	5287	4836	4236	3504	2681	1869	1225	879	708	586	474	361	203	92.4	2.32	
25	5514	5402	5187	4849	4377	3775	3069	2311	1613	1100	830	682	567	460	349	198	88.4	2.33	
30	5149	5018	4777	4411	3918	3313	2633	1942	1358	976	781	656	549	446	337	193	84.3	2.33	
35	4425	4286	4039	3681	3219	2679	2106	1566	1144	878	729	620	521	425	318	182	77.3	2.35	
40	3702	3555	3302	2951	2519	2045	1579	1189	931	781	677	585	494	404	299	172	70.3	2.37	
45	2763	2643	2444	2179	1868	1544	1243	996	826	714	627	545	462	378	278	160	62.9	2.40	
50	1824	1732	1586	1407	1218	1044	906	804	720	646	577	505	430	352	257	148	55.5	2.44	
55	1312	1262	1181	1081	971	867	778	706	642	581	520	456	389	317	229	131	44.6	2.47	
60	801	792	776	754	725	690	651	608	563	516	464	408	348	283	201	114	33.7	2.50	
65	654	651	644	631	610	582	550	514	477	438	397	348	295	240	169	94.3	25.8	2.54	
70	507	509	511	508	495	474	449	421	391	361	330	289	243	196	136	74.4	17.9	2.59	
75	394	394	394	391	381	366	346	323	299	273	245	215	179	142	98.0	49.9	12.5	2.64	
80	281	279	276	274	267	257	242	225	208	186	159	140	115	87.2	59.6	25.4	7.07	2.69	
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:06 November 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: