

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	347.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	154.2V x 152.1H
	At 50% of Imax	116.3V x 116.0H
	At 90% of Imax	56.5V x 56.1H

Beam Flux	Total	998.6 lumens per klm.
	To 10% of Imax	984.7 lumens per klm.
	To 50% of Imax	793.9 lumens per klm.
	To 90% of Imax	243.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

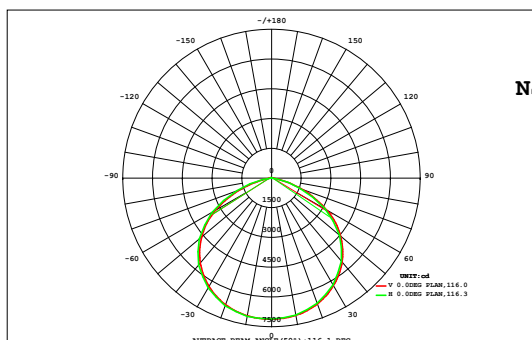
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:18 October 2019

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:220.13V I:0.6445A P:139.66W PF:0.9844 Freq:49.99Hz Lamp Flux:20438.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:146.35lm/W	
NJZ-MODEL50-V01-RZ-120-TG-GR		Imax(cd)	7111
NOMINAL POWER(W)	150	AVAILABILITY(%)	98.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	20177
NOMINAL FLUX(lm)	20438.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	20439
TEST VOLTAGE(V)	220	θ @50% (H,V)	116,116DEG

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	0.05	0.43	1.76	5.01	10.4	17.1	24.1	29.4	32.5	32.8	30.2	25.1	18.0	11.1	5.45	1.94	0.47	0.06	246	172
70	0.07	0.97	5.13	14.6	28.8	45.2	61.0	72.9	79.7	80.1	74.0	62.5	46.9	30.2	15.5	5.54	1.06	0.08	624	606
60	0.11	2.04	10.6	28.0	51.7	76.9	99.7	116	126	126	118	101	78.9	53.5	29.3	11.2	2.20	0.11	1031	1022
50	0.15	3.39	16.7	41.5	72.5	104	130	149	159	160	150	132	105	74.3	43.0	17.6	3.62	0.16	1362	1356
40	0.21	4.82	22.5	52.9	88.5	123	152	173	184	184	174	153	124	90.1	54.2	23.4	5.07	0.22	1607	1602
30	0.26	6.06	27.1	61.1	99.5	136	167	189	201	201	190	168	137	101	62.6	28.1	6.39	0.28	1780	1777
20	0.31	6.96	30.1	66.5	106	144	176	199	211	211	200	177	145	108	67.8	31.0	7.28	0.32	1887	1884
10	0.32	7.36	31.4	68.7	109	147	180	203	215	215	204	181	149	111	70.1	32.5	7.72	0.34	1933	1930
0	0.32	7.26	31.0	68.1	108	147	179	202	214	214	203	180	148	110	69.5	32.1	7.62	0.33	1921	1918
-10	0.28	6.66	29.0	64.7	104	141	173	196	208	208	197	175	143	106	66.3	30.2	7.06	0.30	1855	1851
-20	0.24	5.65	25.6	58.5	96.0	132	162	184	196	196	185	163	133	97.6	60.0	26.7	5.97	0.25	1728	1724
-30	0.18	4.30	20.7	49.3	83.7	117	145	166	177	177	167	147	119	85.6	51.0	21.8	4.63	0.19	1536	1531
-40	0.12	2.91	14.9	37.8	66.8	96.7	122	141	151	151	142	124	98.2	68.6	39.3	15.8	3.13	0.13	1274	1268
-50	0.07	1.61	8.92	24.5	46.0	69.4	91.2	107	115	116	108	92.6	71.1	47.8	25.8	9.62	1.78	0.09	936	926
-60	0.05	0.66	3.92	11.8	24.2	38.7	52.8	63.7	69.9	70.2	64.4	53.9	39.9	25.3	12.7	4.29	0.74	0.06	537	515
-70	0.03	0.19	0.87	2.92	6.75	12.0	17.5	22.0	24.2	24.5	22.3	18.0	12.7	7.34	3.28	1.01	0.24	0.04	176	94.8
-80	0.00	0.05	0.04	0.05	0.12	0.23	0.37	0.51	0.62	0.64	0.56	0.41	0.28	0.15	0.07	0.05	0.06	0.01	4.22	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	2.78	61.3	280	656	1102	1546	1932	2213	2363	2368	2228	1953	1571	1126	676	293	65.0	2.97	20439	---
Φ a	0.00	36.7	262	639	1088	1533	1917	2200	2351	2356	2214	1938	1557	1112	659	275	40.4	0.00	---	20177

one-half-peak spread: U:57.0,D:59.8 , L:59.9,R:56.5

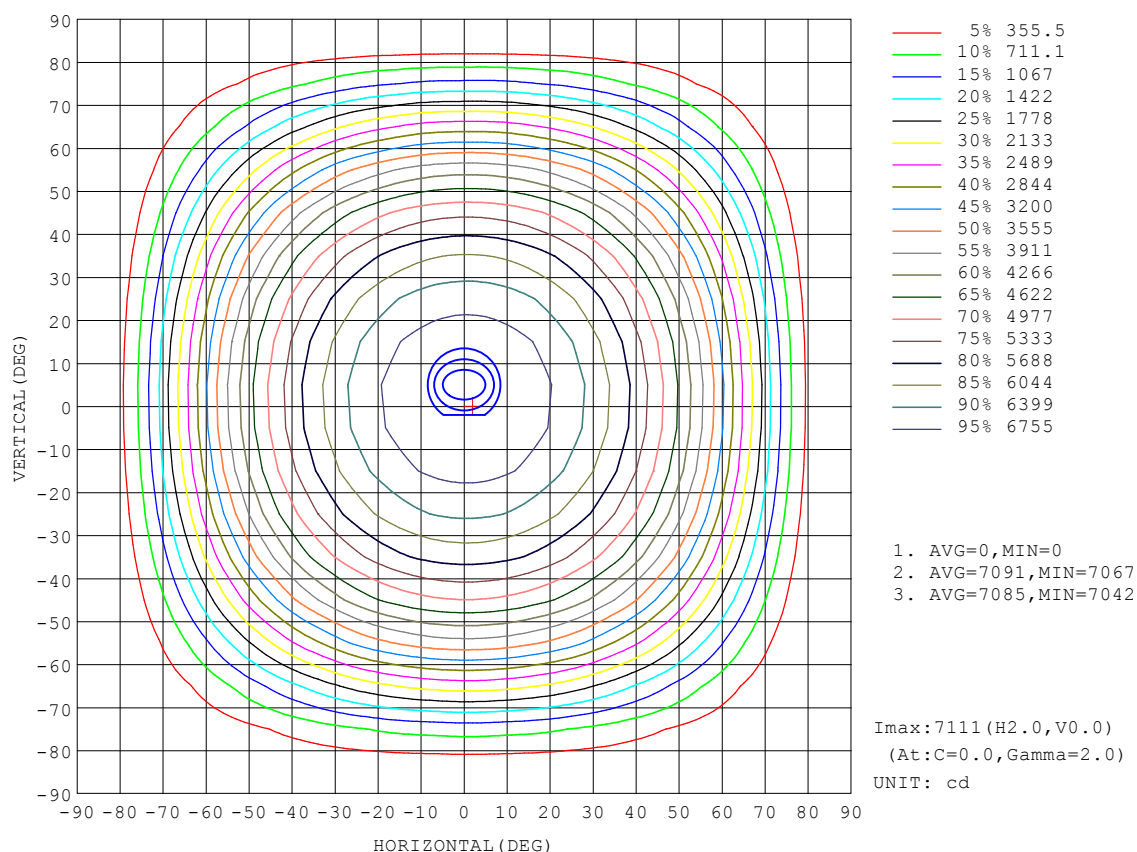
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date: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:220.13V I:0.6445A P:139.66W PF:0.9844 Freq:49.99Hz Lamp Flux:20438.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

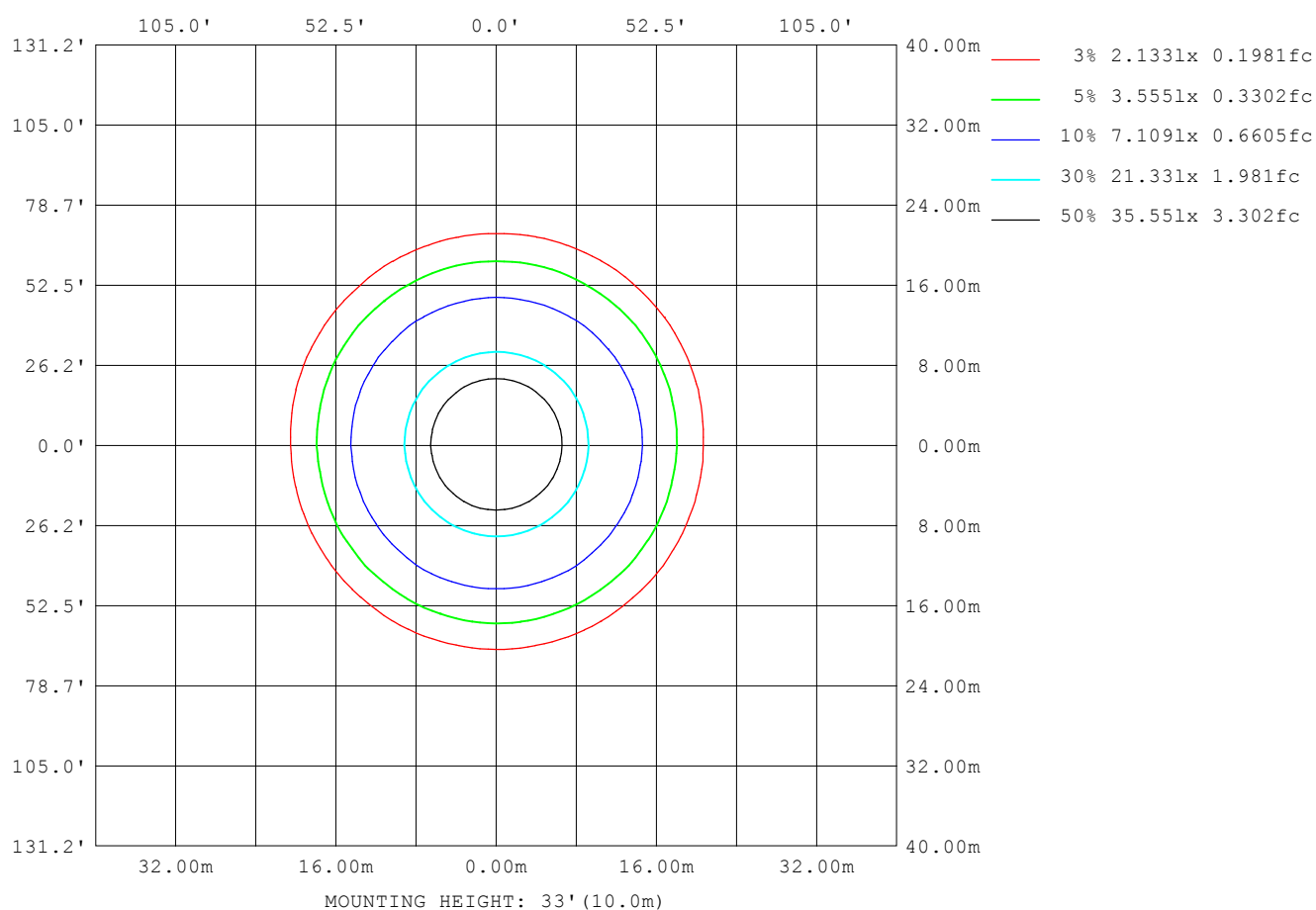


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:18 October 2019

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

ISOLUX DIAGRAM

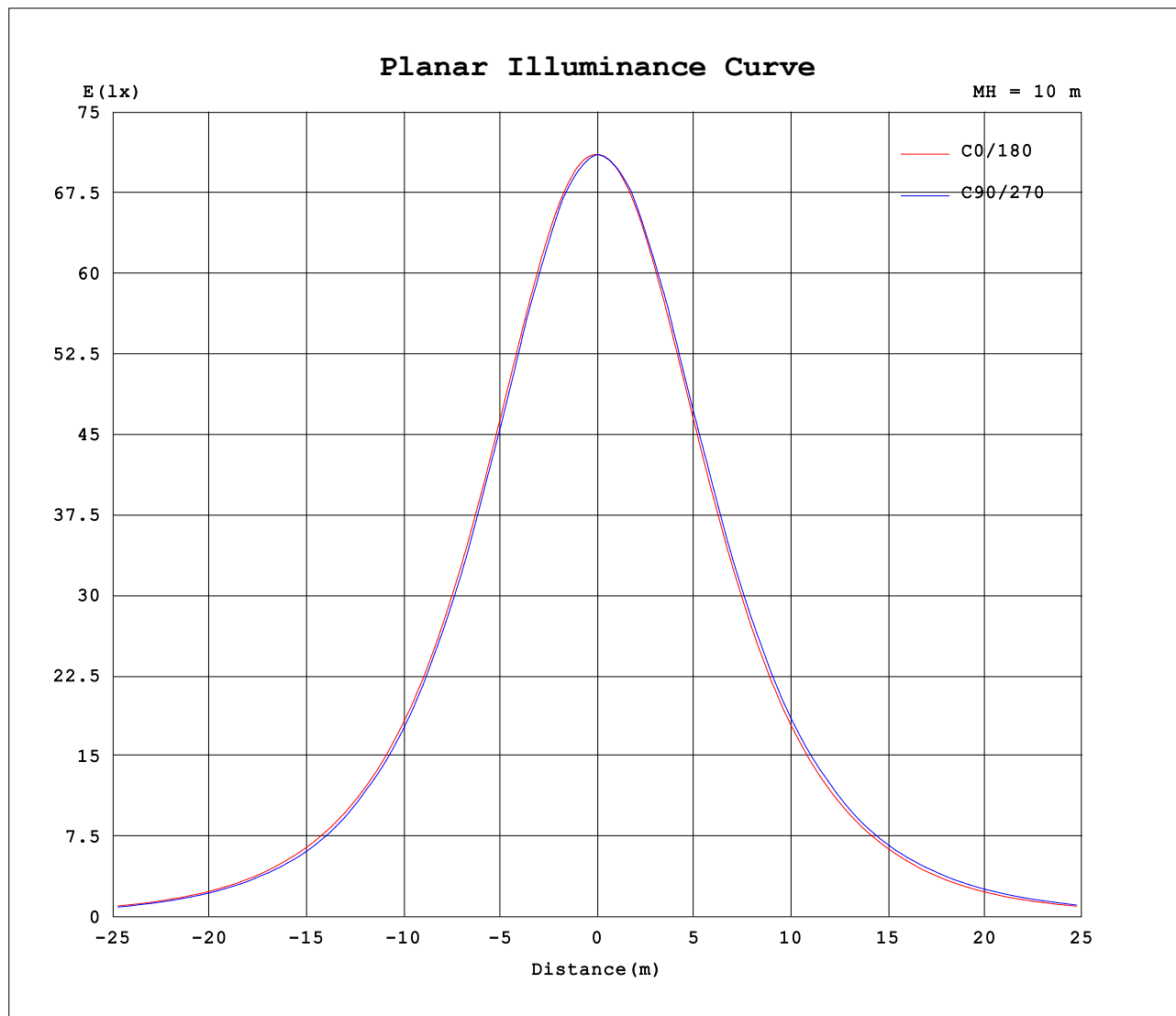
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NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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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



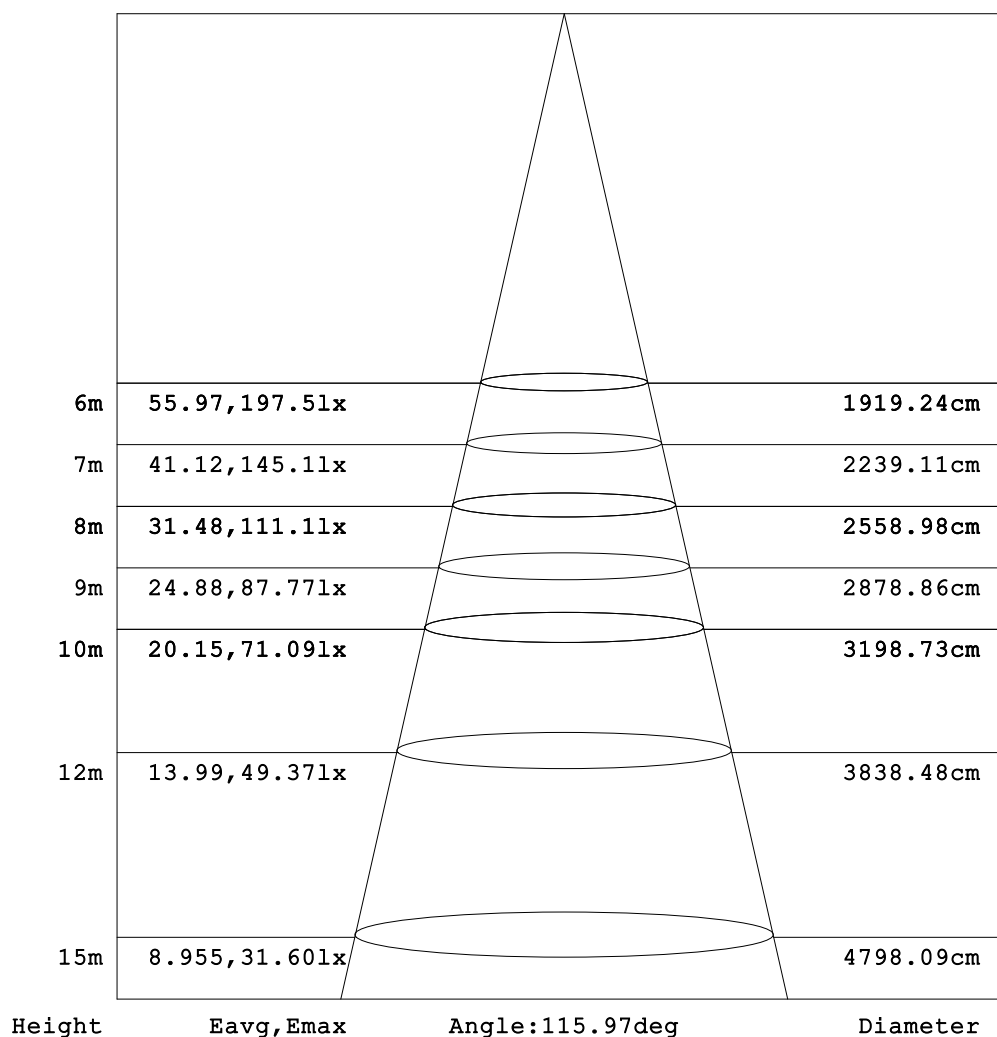
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:18 October 2019

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:220.13V I:0.6445A P:139.66W PF:0.9844 Freq:49.99Hz Lamp Flux:20438.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:16212 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:220.13V I:0.6445A P:139.66W PF:0.9844 Freq:49.99Hz Lamp Flux:20438.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: cd

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	3.69	3.80	10.0	19.1	23.2	28.5	34.6	45.6	60.3	80.7	103	126	150	169	187	206	219	226	232
-75	3.74	6.90	16.8	28.6	51.0	88.1	139	203	279	360	447	531	613	684	743	797	826	847	864
-70	3.78	9.99	23.6	38.0	78.9	148	243	360	498	640	790	935	1077	1198	1299	1389	1433	1467	1496
-65	3.88	14.2	30.8	75.9	168	302	480	682	902	1125	1344	1544	1739	1907	2041	2149	2228	2279	2304
-60	3.97	18.4	37.9	114	258	456	717	1004	1305	1611	1897	2154	2401	2616	2784	2910	3024	3090	3111
-55	4.07	20.6	56.6	177	388	672	1011	1382	1754	2119	2460	2753	3027	3273	3456	3592	3703	3770	3792
-50	4.18	22.7	75.2	241	518	888	1305	1760	2203	2627	3023	3352	3653	3929	4129	4274	4383	4449	4474
-45	4.30	25.5	104	318	669	1121	1613	2128	2625	3070	3492	3843	4145	4411	4615	4767	4878	4947	4974
-40	4.43	28.3	133	396	819	1355	1920	2496	3047	3512	3961	4335	4637	4893	5101	5259	5373	5445	5473
-35	4.54	30.3	160	471	968	1556	2182	2788	3364	3859	4299	4676	4988	5249	5461	5625	5742	5814	5842
-30	4.66	32.3	187	546	1117	1758	2445	3081	3681	4206	4637	5017	5338	5605	5822	5991	6110	6182	6210
-25	4.77	35.0	214	620	1239	1926	2637	3313	3919	4437	4877	5261	5587	5857	6075	6245	6364	6438	6465
-20	4.89	37.7	241	695	1361	2095	2829	3545	4157	4668	5117	5506	5836	6109	6329	6498	6618	6693	6720
-15	5.01	39.8	258	739	1437	2195	2950	3682	4289	4807	5259	5651	5984	6259	6478	6647	6767	6841	6868
-10	5.14	41.9	274	784	1514	2296	3070	3818	4420	4946	5402	5796	6131	6408	6627	6795	6916	6989	7016
-5	5.29	43.9	286	809	1552	2338	3135	3879	4481	5007	5465	5861	6194	6471	6690	6858	6975	7041	7063
0	5.44	45.9	298	834	1590	2381	3200	3940	4541	5068	5529	5926	6257	6533	6753	6921	7034	7093	7109
5	5.61	45.5	293	825	1572	2363	3172	3913	4514	5041	5500	5896	6228	6505	6726	6894	7009	7073	7093
10	5.77	45.0	288	815	1554	2346	3143	3887	4488	5013	5472	5865	6200	6477	6698	6867	6985	7053	7077
15	5.93	44.1	274	778	1494	2271	3040	3783	4383	4905	5360	5751	6084	6360	6580	6749	6868	6939	6966
20	6.09	43.2	260	740	1434	2195	2937	3679	4279	4797	5248	5636	5969	6243	6462	6630	6750	6825	6854
25	6.24	40.9	236	678	1324	2041	2771	3471	4081	4593	5036	5422	5749	6020	6238	6406	6527	6602	6630
30	6.39	38.7	213	615	1214	1887	2604	3263	3883	4389	4823	5208	5530	5798	6014	6182	6304	6378	6407
35	6.50	37.2	188	537	1069	1689	2353	2987	3579	4079	4520	4892	5205	5468	5680	5845	5964	6037	6065
40	6.62	35.7	163	459	924	1491	2103	2712	3275	3769	4216	4575	4880	5138	5347	5509	5625	5696	5724
45	6.69	32.9	132	378	768	1262	1801	2352	2870	3342	3764	4124	4433	4684	4884	5041	5154	5223	5251
50	6.77	30.1	102	297	612	1033	1500	1992	2466	2916	3312	3672	3987	4229	4422	4573	4683	4750	4778
55	6.79	27.8	80.0	229	474	806	1188	1596	2007	2398	2756	3075	3369	3598	3782	3935	4044	4109	4135
60	6.82	25.5	58.2	161	336	579	877	1201	1548	1880	2201	2478	2751	2966	3141	3296	3405	3468	3492
65	6.80	20.1	46.3	113	233	403	616	859	1117	1371	1627	1850	2064	2247	2391	2510	2610	2659	2675
70	6.79	14.8	34.4	64.2	130	227	356	516	686	862	1053	1221	1376	1528	1642	1723	1815	1851	1858
75	6.76	10.9	26.3	46.3	84.2	139	215	309	412	520	635	741	840	937	1012	1064	1120	1144	1149
80	6.73	6.98	18.1	28.5	38.4	51.3	73.6	102	139	178	218	262	304	346	382	404	425	438	441
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:220.13V I:0.6445A P:139.66W PF:0.9844 Freq:49.99Hz Lamp Flux:20438.9x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:150W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: cd

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	232	226	213	197	180	161	140	117	93.8	70.5	52.6	39.4	32.1	26.3	21.9	15.4	5.19	3.69	
-75	858	831	806	763	701	635	561	472	388	304	223	153	98.8	60.1	33.2	21.1	9.56	3.73	
-70	1483	1437	1398	1329	1223	1110	982	827	682	538	394	267	165	93.8	44.5	26.8	13.9	3.77	
-65	2290	2241	2170	2073	1942	1782	1597	1392	1180	952	728	518	330	187	85.4	35.0	16.6	3.84	
-60	3098	3045	2941	2817	2660	2454	2212	1957	1677	1365	1062	769	495	279	126	43.2	19.2	3.91	
-55	3778	3723	3621	3490	3320	3088	2817	2529	2196	1829	1456	1081	724	419	196	64.7	21.8	4.01	
-50	4457	4400	4300	4162	3979	3723	3422	3101	2714	2293	1851	1392	953	559	267	86.2	24.4	4.11	
-45	4956	4896	4793	4648	4457	4205	3908	3567	3153	2711	2213	1695	1187	716	344	113	27.0	4.21	
-40	5454	5392	5286	5135	4935	4687	4394	4033	3591	3128	2576	1998	1421	874	422	139	29.6	4.32	
-35	5824	5762	5655	5500	5297	5044	4741	4375	3941	3452	2883	2271	1635	1032	507	172	31.8	4.41	
-30	6194	6133	6024	5866	5659	5401	5089	4717	4291	3776	3189	2543	1850	1190	592	205	34.1	4.51	
-25	6448	6386	6276	6117	5908	5647	5330	4951	4515	4003	3406	2729	2012	1306	663	229	36.5	4.58	
-20	6702	6640	6529	6369	6157	5893	5571	5185	4740	4231	3622	2914	2174	1421	735	254	38.9	4.66	
-15	6851	6790	6680	6522	6311	6046	5722	5334	4885	4370	3766	3046	2285	1510	789	276	42.0	4.72	
-10	7000	6940	6832	6676	6465	6199	5872	5483	5030	4508	3910	3178	2396	1598	843	298	45.2	4.79	
-5	7053	6997	6893	6735	6524	6256	5930	5539	5083	4559	3959	3230	2428	1627	862	303	45.9	4.87	
0	7105	7055	6954	6795	6584	6314	5988	5596	5137	4610	4007	3283	2460	1655	881	308	46.6	4.95	
5	7085	7032	6928	6770	6557	6288	5961	5571	5114	4589	3987	3264	2446	1644	873	307	47.0	5.03	
10	7065	7009	6903	6745	6531	6261	5934	5547	5092	4568	3968	3245	2432	1633	865	306	47.4	5.12	
15	6951	6890	6782	6623	6410	6140	5814	5427	4975	4456	3859	3130	2346	1561	820	289	45.4	5.21	
20	6836	6771	6661	6501	6288	6019	5694	5308	4859	4344	3749	3015	2259	1489	776	272	43.3	5.30	
25	6614	6550	6439	6279	6070	5805	5482	5100	4661	4154	3552	2854	2117	1381	713	249	41.3	5.41	
30	6391	6328	6217	6058	5851	5590	5271	4891	4462	3964	3354	2693	1974	1273	649	227	39.3	5.51	
35	6048	5987	5879	5722	5517	5261	4951	4583	4156	3654	3072	2440	1765	1123	565	196	37.0	5.61	
40	5705	5646	5541	5387	5184	4932	4630	4275	3850	3345	2789	2187	1556	972	480	166	34.8	5.72	
45	5234	5176	5074	4927	4732	4489	4190	3834	3426	2950	2433	1883	1327	813	401	138	32.7	5.81	
50	4762	4706	4608	4467	4279	4046	3750	3393	3003	2555	2077	1579	1097	653	323	111	30.6	5.89	
55	4121	4068	3972	3829	3650	3432	3155	2834	2478	2090	1671	1256	856	507	247	87.1	27.9	5.96	
60	3480	3430	3336	3190	3021	2819	2561	2276	1953	1625	1264	933	615	360	170	63.6	25.1	6.03	
65	2672	2635	2550	2437	2298	2126	1916	1691	1432	1179	907	660	433	253	122	50.1	21.4	6.10	
70	1864	1839	1763	1684	1575	1432	1270	1106	911	732	551	386	251	146	72.8	36.6	17.8	6.17	
75	1154	1137	1092	1041	972	878	774	670	551	442	332	235	154	93.4	51.5	29.6	13.2	6.24	
80	444	435	421	397	369	323	277	234	191	152	113	82.9	57.1	41.1	30.2	22.5	8.64	6.31	
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: