

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	347.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	154.3V x 152.1H
	At 50% of Imax	116.6V x 116.0H
	At 90% of Imax	56.4V x 55.9H

Beam Flux	Total	998.6 lumens per klm.
	To 10% of Imax	985.0 lumens per klm.
	To 50% of Imax	793.4 lumens per klm.
	To 90% of Imax	242.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

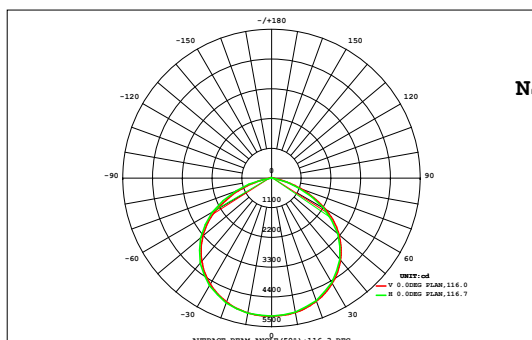
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date: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:220.15V I:0.4315A P:93.453W PF:0.9837 Freq:49.99Hz Lamp Flux:14699.7x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:157.30lm/W	
NJZ-MODEL00-V01-RZ-120-TG-GR		Imax(cd)	5105
NOMINAL POWER(W)	100	AVAILABILITY(%)	98.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	14514
NOMINAL FLUX(lm)	14699.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	14700
TEST VOLTAGE(V)	220	θ @50% (H,V)	116,117DEG

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	0.03	0.29	1.25	3.71	7.81	12.9	18.3	22.4	24.7	25.0	23.0	19.1	13.7	8.37	4.07	1.41	0.32	0.04	186	137
70	0.05	0.68	3.76	10.9	21.5	33.6	45.2	54.0	59.0	59.3	54.9	46.4	34.9	22.6	11.6	4.11	0.76	0.05	463	451
60	0.07	1.46	7.77	20.6	37.9	56.2	72.5	84.6	91.1	91.4	85.4	73.7	57.7	39.3	21.7	8.32	1.60	0.08	751	745
50	0.11	2.46	12.2	30.2	52.5	74.8	93.8	107	115	115	108	94.7	76.0	53.8	31.4	12.9	2.65	0.11	982	978
40	0.15	3.49	16.3	38.2	63.7	88.1	109	124	132	132	125	110	89.2	64.9	39.3	17.1	3.72	0.16	1155	1152
30	0.19	4.38	19.5	44.0	71.4	97.4	120	136	144	144	136	121	98.6	72.6	45.1	20.4	4.67	0.20	1279	1276
20	0.22	5.01	21.6	47.8	76.2	103	126	143	151	152	143	127	104	77.3	48.8	22.4	5.30	0.23	1355	1353
10	0.23	5.28	22.5	49.3	78.2	106	129	146	154	154	146	130	107	79.4	50.4	23.4	5.61	0.25	1387	1385
0	0.23	5.21	22.3	48.9	77.7	105	128	145	153	154	146	129	106	78.9	50.0	23.1	5.51	0.24	1379	1377
-10	0.20	4.77	20.8	46.4	74.5	101	124	141	149	149	141	125	103	75.9	47.6	21.8	5.10	0.22	1331	1329
-20	0.17	4.03	18.4	41.9	68.8	94.5	116	132	140	141	133	117	95.7	70.1	43.1	19.2	4.31	0.18	1240	1237
-30	0.12	3.06	14.8	35.3	59.9	83.9	104	119	127	127	120	105	85.2	61.4	36.6	15.7	3.34	0.14	1102	1098
-40	0.08	2.06	10.6	27.0	47.8	69.2	87.6	101	108	108	102	88.5	70.4	49.1	28.1	11.3	2.25	0.09	913	908
-50	0.05	1.13	6.31	17.4	32.8	49.5	65.1	76.4	82.5	82.7	77.0	66.2	50.8	34.2	18.5	6.89	1.28	0.06	669	661
-60	0.03	0.45	2.75	8.33	17.1	27.4	37.5	45.2	49.7	49.9	45.7	38.3	28.4	18.0	9.01	3.04	0.52	0.04	381	365
-70	0.02	0.13	0.59	1.98	4.62	8.24	12.1	15.3	16.9	17.0	15.5	12.6	8.82	5.10	2.27	0.70	0.17	0.03	122	62.0
-80	0.00	0.03	0.03	0.03	0.07	0.14	0.22	0.30	0.37	0.39	0.34	0.25	0.18	0.09	0.04	0.04	0.04	0.01	2.59	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	1.94	43.9	202	472	792	1111	1389	1591	1698	1702	1602	1405	1130	811	488	212	47.2	2.12	14700	---
Φ a	0.00	26.4	189	459	782	1101	1378	1581	1690	1695	1592	1394	1120	801	476	199	29.5	0.00	---	14514

one-half-peak spread: U:56.9,D:60.2 , L:59.9,R:56.5

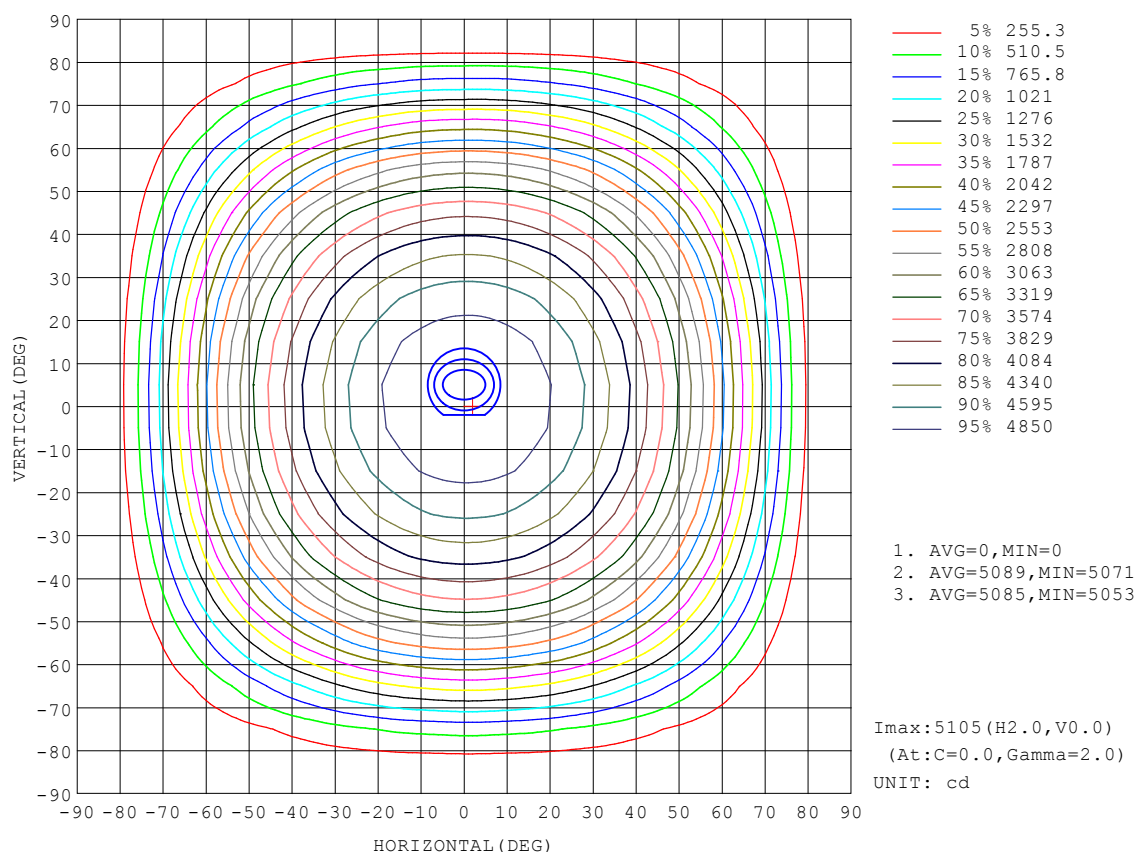
NEMA Beam Type: Type 7

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:220.15V I:0.4315A P:93.453W PF:0.9837 Freq:49.99Hz Lamp Flux:14699.7x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

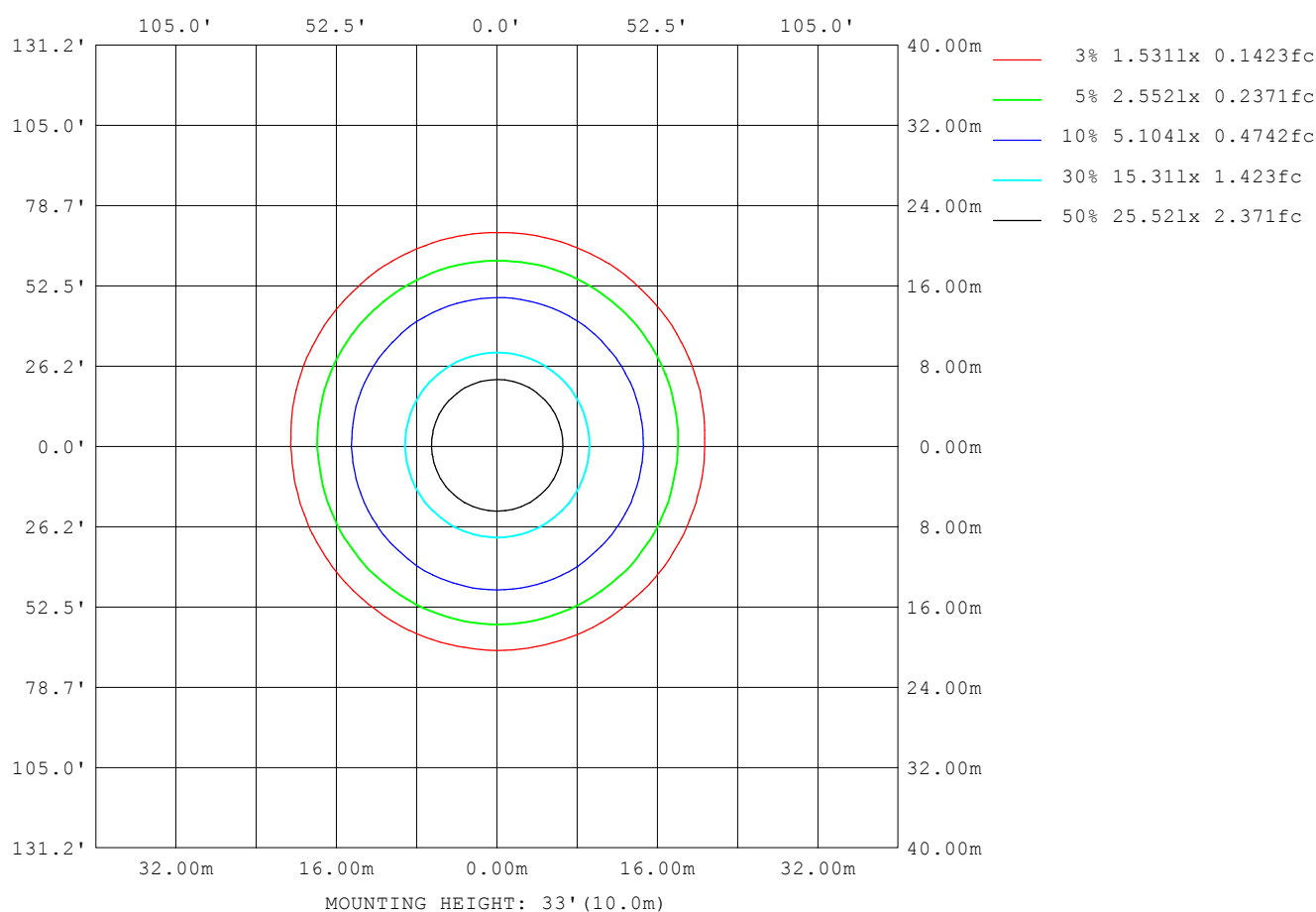


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:18 October 2019

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

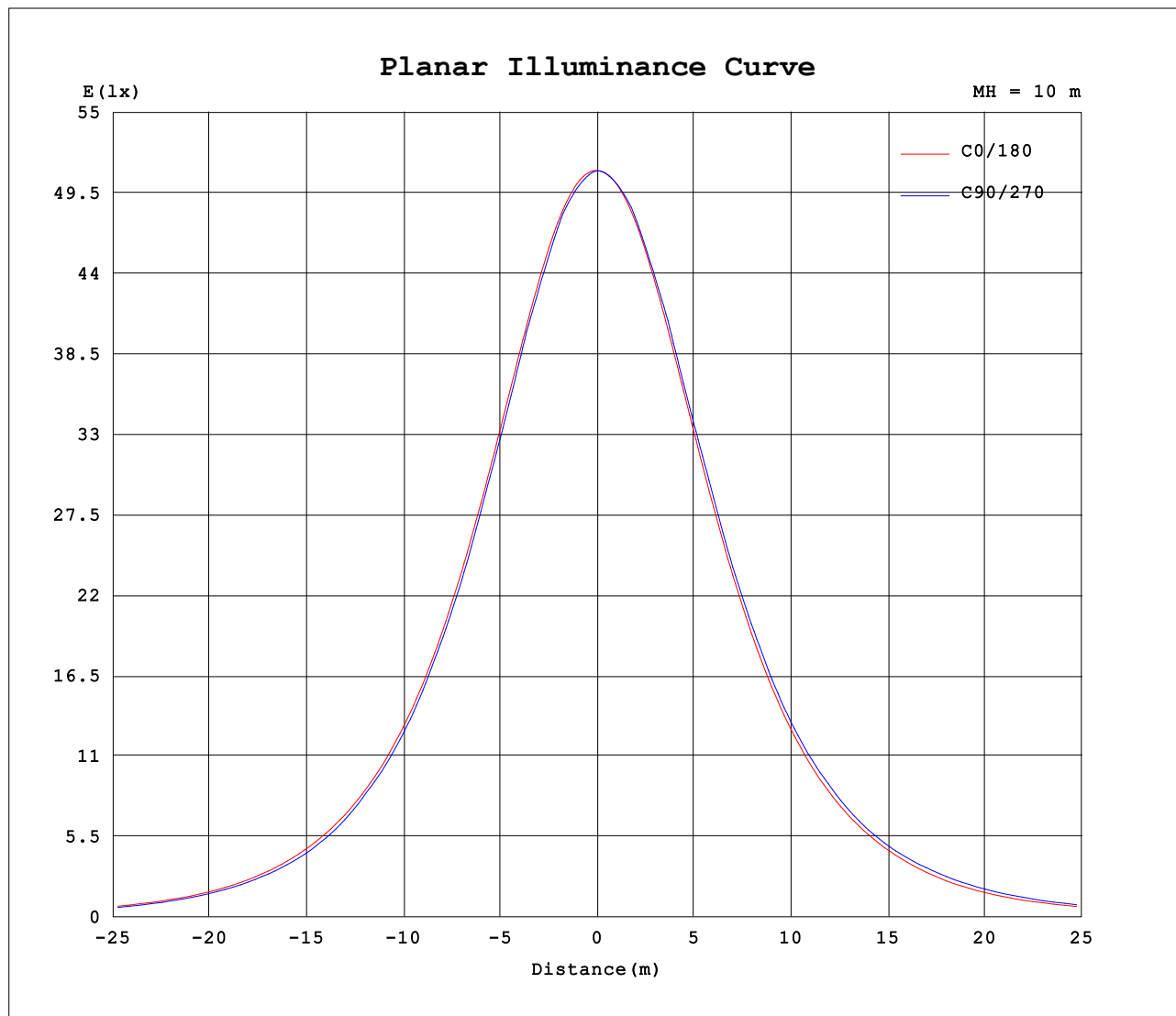
Test:U:220.15V I:0.4315A P:93.453W PF:0.9837 Freq:49.99Hz Lamp Flux:14699.7x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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



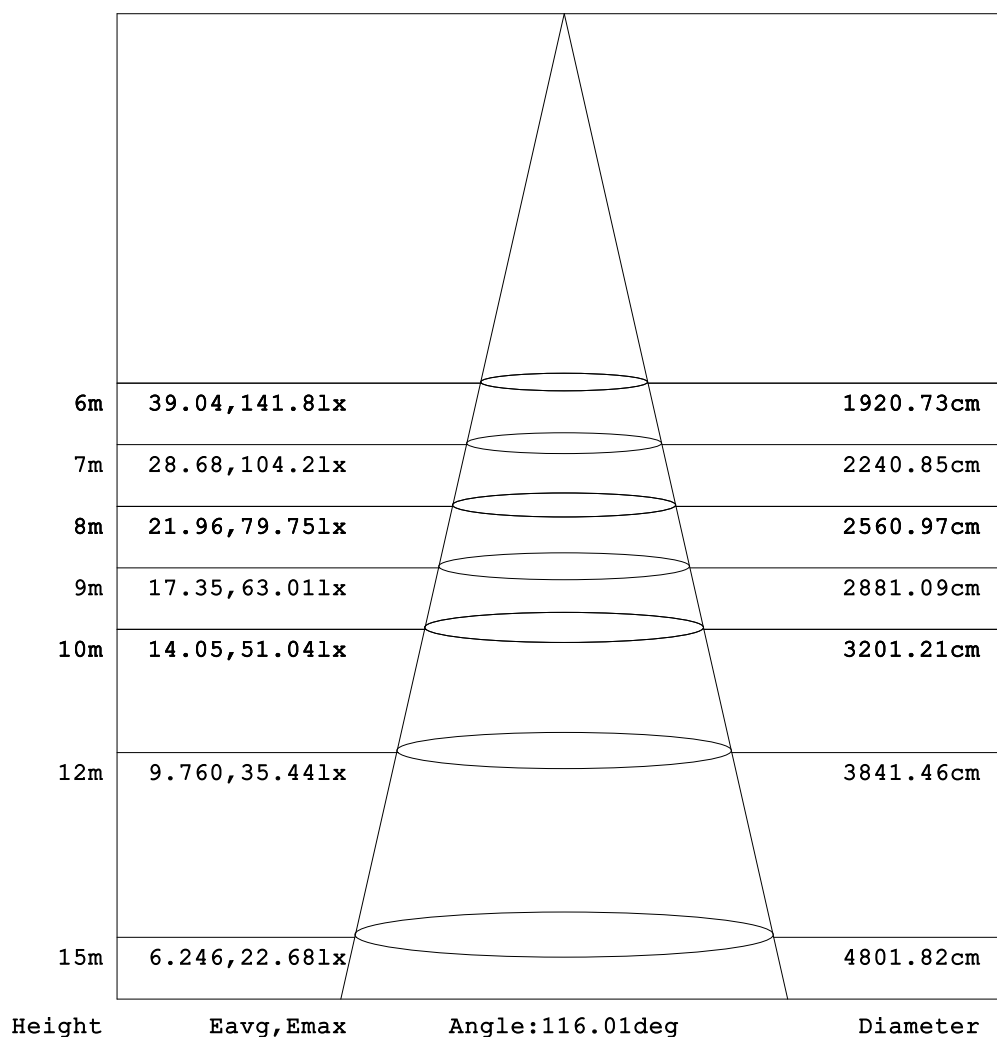
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:18 October 2019

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:220.15V I:0.4315A P:93.453W PF:0.9837 Freq:49.99Hz Lamp Flux:14699.7x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:11758 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:220.15V I:0.4315A P:93.453W PF:0.9837 Freq:49.99Hz Lamp Flux:14699.7x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	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	2.67	2.76	6.58	13.4	16.2	19.7	23.5	30.3	39.6	52.9	68.0	83.0	98.3	112	124	137	144	150	155
-75	2.70	4.79	11.6	19.6	35.0	60.1	95.3	140	193	250	310	368	426	476	518	557	577	592	604
-70	2.74	6.83	16.6	25.8	53.9	100	167	249	346	446	552	652	754	841	911	976	1009	1033	1054
-65	2.80	9.93	21.3	52.4	117	211	337	481	637	794	950	1093	1232	1352	1448	1526	1581	1619	1637
-60	2.86	13.0	26.0	79.0	180	321	506	712	927	1142	1348	1534	1709	1863	1986	2075	2154	2204	2221
-55	2.93	14.5	39.1	124	274	476	717	983	1249	1509	1753	1964	2159	2336	2470	2567	2646	2695	2712
-50	3.01	15.9	52.1	169	367	630	927	1254	1571	1875	2159	2395	2609	2809	2954	3059	3138	3186	3204
-45	3.09	17.8	71.8	225	476	799	1150	1519	1875	2193	2496	2750	2965	3158	3305	3415	3495	3545	3564
-40	3.18	19.7	91.5	281	584	968	1372	1784	2178	2512	2834	3105	3321	3506	3656	3770	3852	3904	3925
-35	3.26	21.1	112	335	691	1113	1560	1995	2406	2762	3079	3351	3575	3763	3916	4034	4118	4170	4190
-30	3.35	22.4	132	388	797	1258	1748	2205	2634	3012	3324	3597	3828	4020	4177	4298	4384	4436	4456
-25	3.43	24.2	151	443	886	1380	1889	2373	2808	3179	3497	3774	4008	4202	4360	4482	4568	4621	4640
-20	3.51	25.9	171	497	976	1503	2029	2541	2981	3347	3670	3950	4188	4385	4543	4665	4752	4805	4824
-15	3.59	27.3	183	530	1032	1575	2115	2639	3075	3447	3773	4054	4294	4492	4650	4771	4858	4911	4931
-10	3.68	28.6	195	562	1087	1648	2201	2738	3169	3547	3875	4159	4400	4599	4757	4877	4964	5017	5037
-5	3.78	29.9	204	581	1114	1679	2250	2782	3214	3591	3921	4205	4445	4644	4801	4922	5006	5054	5071
0	3.89	31.3	213	600	1141	1711	2299	2827	3258	3636	3966	4251	4490	4688	4846	4967	5048	5091	5104
5	4.00	30.8	208	593	1129	1699	2278	2808	3239	3616	3946	4229	4469	4668	4826	4947	5030	5076	5091
10	4.12	30.4	204	586	1118	1686	2258	2790	3221	3597	3925	4208	4447	4647	4806	4927	5012	5060	5078
15	4.23	29.7	195	560	1078	1634	2186	2717	3147	3520	3846	4126	4365	4563	4721	4842	4927	4978	4998
20	4.34	29.1	186	535	1037	1582	2115	2645	3073	3443	3767	4044	4282	4478	4635	4757	4843	4897	4918
25	4.44	27.5	168	486	959	1474	1998	2498	2933	3298	3616	3892	4126	4320	4476	4597	4684	4737	4758
30	4.54	26.0	151	437	880	1365	1881	2351	2794	3154	3464	3739	3970	4162	4317	4437	4525	4577	4598
35	4.61	24.9	132	385	777	1226	1705	2158	2580	2937	3250	3515	3740	3928	4079	4197	4283	4334	4355
40	4.68	23.8	112	332	673	1086	1529	1966	2365	2720	3035	3290	3509	3694	3842	3958	4041	4091	4111
45	4.73	22.1	92.5	273	560	922	1315	1711	2082	2422	2719	2975	3196	3373	3517	3628	3708	3758	3777
50	4.79	20.4	72.5	213	446	758	1100	1456	1799	2123	2403	2659	2882	3053	3191	3298	3376	3424	3443
55	4.79	19.0	55.4	163	345	592	874	1173	1473	1755	2011	2242	2451	2613	2745	2854	2931	2978	2997
60	4.79	17.5	38.3	112	243	427	648	889	1148	1387	1619	1825	2020	2172	2300	2411	2487	2532	2552
65	4.78	14.0	30.6	77.7	168	296	455	638	833	1018	1205	1371	1528	1660	1765	1855	1925	1961	1974
70	4.77	10.5	22.8	42.9	91.8	165	262	386	517	649	792	917	1037	1148	1230	1299	1363	1389	1397
75	4.75	7.70	18.0	31.2	58.7	99.8	157	230	309	391	478	558	635	709	762	808	846	865	870
80	4.72	4.86	13.2	19.5	25.6	34.5	51.8	73.0	102	133	165	199	234	271	294	316	329	341	342
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:220.15V I:0.4315A P:93.453W PF:0.9837 Freq:49.99Hz Lamp Flux:14699.7x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:100W	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	153	151	143	130	121	109	94.5	78.6	62.6	47.2	35.6	27.3	22.7	18.6	15.7	11.0	3.77	2.66	
-75	599	583	564	533	491	446	392	331	271	213	156	108	69.3	42.3	23.5	15.1	6.94	2.69	
-70	1045	1015	986	936	862	783	689	583	480	379	277	188	116	65.9	31.4	19.1	10.1	2.72	
-65	1628	1593	1542	1474	1380	1267	1134	990	839	677	518	369	235	133	60.6	24.9	12.0	2.76	
-60	2211	2172	2098	2011	1899	1751	1579	1397	1197	975	758	549	354	199	89.9	30.6	13.8	2.81	
-55	2702	2662	2589	2496	2374	2207	2014	1809	1571	1309	1041	773	519	301	141	46.1	15.6	2.88	
-50	3192	3152	3080	2981	2849	2663	2450	2221	1944	1642	1324	997	684	402	192	61.6	17.5	2.94	
-45	3552	3509	3436	3332	3194	3012	2800	2556	2259	1943	1586	1216	853	516	248	80.9	19.3	3.02	
-40	3911	3867	3791	3682	3539	3361	3151	2891	2573	2243	1848	1435	1021	631	304	100	21.1	3.09	
-35	4178	4134	4057	3946	3800	3619	3401	3138	2827	2476	2069	1631	1176	744	365	125	22.6	3.15	
-30	4445	4401	4324	4210	4061	3876	3652	3386	3080	2710	2290	1827	1330	857	427	150	24.1	3.22	
-25	4629	4585	4506	4392	4241	4054	3826	3555	3242	2875	2447	1962	1448	942	479	167	25.8	3.27	
-20	4812	4768	4689	4574	4422	4232	4001	3724	3404	3040	2603	2096	1566	1026	531	183	27.4	3.33	
-15	4919	4875	4797	4683	4532	4341	4108	3830	3507	3139	2706	2191	1647	1087	571	199	29.7	3.37	
-10	5026	4982	4904	4792	4641	4450	4216	3936	3611	3238	2810	2286	1727	1148	610	216	31.9	3.42	
-5	5063	5023	4948	4835	4683	4492	4258	3977	3650	3275	2846	2324	1751	1173	625	219	32.4	3.47	
0	5101	5064	4991	4877	4725	4533	4299	4018	3689	3312	2881	2363	1774	1198	640	223	32.8	3.53	
5	5085	5047	4973	4859	4706	4513	4280	4000	3673	3298	2868	2351	1766	1191	636	223	33.1	3.59	
10	5069	5030	4955	4840	4687	4494	4260	3982	3657	3283	2854	2340	1758	1184	631	223	33.5	3.64	
15	4987	4945	4868	4753	4600	4408	4174	3897	3574	3204	2778	2259	1697	1133	599	210	31.8	3.71	
20	4906	4859	4781	4666	4513	4322	4089	3813	3492	3124	2701	2178	1636	1082	566	197	30.2	3.77	
25	4746	4701	4622	4508	4357	4168	3938	3665	3352	2991	2563	2066	1536	1007	521	183	28.5	3.84	
30	4587	4542	4463	4349	4201	4015	3788	3517	3211	2858	2425	1953	1435	931	476	169	26.8	3.91	
35	4343	4300	4223	4110	3965	3782	3561	3299	2996	2639	2225	1774	1287	822	414	144	25.2	3.98	
40	4100	4057	3982	3872	3728	3550	3334	3081	2781	2420	2026	1595	1139	713	351	119	23.6	4.05	
45	3766	3725	3652	3548	3410	3238	3027	2773	2485	2144	1775	1379	974	598	293	98.9	22.2	4.11	
50	3432	3392	3323	3224	3091	2927	2719	2465	2189	1867	1524	1164	810	483	235	78.5	20.7	4.16	
55	2988	2950	2882	2782	2655	2499	2303	2072	1816	1539	1233	930	633	374	180	60.8	19.0	4.21	
60	2543	2508	2440	2340	2218	2071	1887	1680	1444	1210	942	695	457	265	124	43.2	17.3	4.26	
65	1971	1944	1885	1802	1700	1576	1422	1258	1067	882	678	492	320	185	87.4	33.7	15.0	4.30	
70	1399	1380	1330	1265	1183	1081	957	836	690	553	413	290	184	105	50.8	24.2	12.6	4.34	
75	872	859	829	787	735	666	586	506	417	333	248	175	112	66.0	35.7	20.1	9.52	4.38	
80	346	338	328	310	287	251	215	177	144	113	83.1	59.9	39.9	27.4	20.7	16.0	6.45	4.42	
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: