

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	324.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	161.3V x 151.9H
	At 50% of Imax	125.3V x 115.6H
	At 90% of Imax	63.5V x 55.8H

Beam Flux	Total	997.4 lumens per klm.
	To 10% of Imax	986.6 lumens per klm.
	To 50% of Imax	803.8 lumens per klm.
	To 90% of Imax	258.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

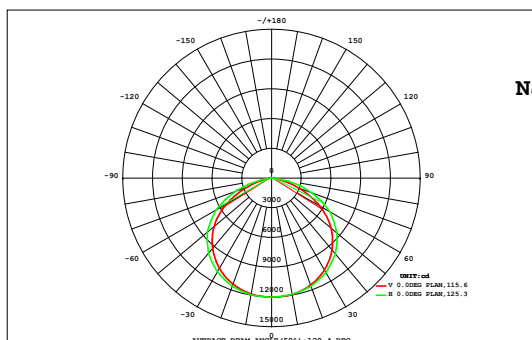
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 October 2019

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:220.05V I:1.0462A P:227.76W PF:0.9893 Freq:49.99Hz Lamp Flux:37036.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:162.61lm/W	
NJZ-MODE240-V01-RZ-120-TG-GR		Imax(cd)	12010
NOMINAL POWER(W)	240	AVAILABILITY(%)	99.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	36685
NOMINAL FLUX(lm)	37036.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	37036
TEST VOLTAGE(V)	220	θ @50%(H,V)	116,125DEG

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	0.10	0.91	4.23	12.3	25.1	40.7	56.3	67.9	73.6	73.0	66.0	53.4	37.4	22.1	10.2	3.22	0.65	0.06	547	468
70	0.14	2.14	11.4	31.6	60.6	92.9	122	145	156	155	143	119	88.4	56.3	28.1	9.47	1.56	0.10	1223	1197
60	0.21	4.25	21.5	55.1	98.9	145	184	214	229	228	211	181	140	93.8	50.6	18.8	3.35	0.14	1877	1862
50	0.31	6.71	32.0	76.8	131	185	231	263	279	279	261	227	181	126	72.1	28.8	5.57	0.21	2386	2376
40	0.42	9.19	41.3	94.4	156	214	263	299	317	316	296	260	210	151	89.5	37.8	7.79	0.30	2762	2755
30	0.52	11.3	48.4	107	172	234	286	324	343	342	321	283	230	168	102	44.9	9.76	0.38	3028	3022
	0.60	12.7	53.1	115	183	247	301	339	358	357	336	297	242	178	110	49.4	11.1	0.44	3190	3184
	0.63	13.3	55.1	119	187	252	307	345	364	363	343	303	248	183	114	51.6	11.8	0.48	3259	3253
	0.63	13.3	54.9	118	186	251	306	344	362	362	342	302	247	182	114	51.2	11.7	0.47	3248	3242
	0.59	12.6	52.8	115	182	246	299	337	356	356	335	296	242	177	110	49.4	11.2	0.45	3179	3173
-30	0.53	11.4	48.8	108	173	235	287	324	343	342	322	283	230	168	103	45.4	9.97	0.39	3034	3028
-40	0.42	9.37	41.9	95.2	157	215	265	300	318	318	298	262	211	152	91.1	39.0	8.21	0.32	2781	2774
-50	0.31	7.02	33.1	78.7	134	187	233	266	283	282	264	230	184	130	74.8	30.4	6.04	0.22	2422	2412
-60	0.19	4.56	23.0	58.2	103	150	190	219	234	234	217	187	147	99.6	54.9	21.0	3.91	0.15	1947	1934
-70	0.12	2.47	13.1	36.0	67.8	102	134	158	170	169	156	131	99.2	64.2	33.3	11.7	2.03	0.09	1352	1329
-80	0.07	0.98	5.27	15.6	32.0	51.4	70.1	84.3	91.8	91.2	82.9	67.7	49.1	30.0	14.2	4.55	0.79	0.06	692	640
-90	0.02	0.15	0.57	1.77	4.22	7.75	11.5	14.2	15.7	15.6	13.8	10.8	7.05	3.63	1.41	0.42	0.13	0.02	109	34.6
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	5.82	122	540	1237	2052	2857	3546	4042	4293	4281	4008	3493	2792	1984	1174	497	106	4.27	37036	---
Φ a	0.00	78.4	511	1210	2033	2840	3534	4032	4286	4274	3997	3479	2773	1965	1147	465	60.8	0.00	---	36685

one-half-peak spread: U:63.5,D:62.2 , L:56.6,R:59.4

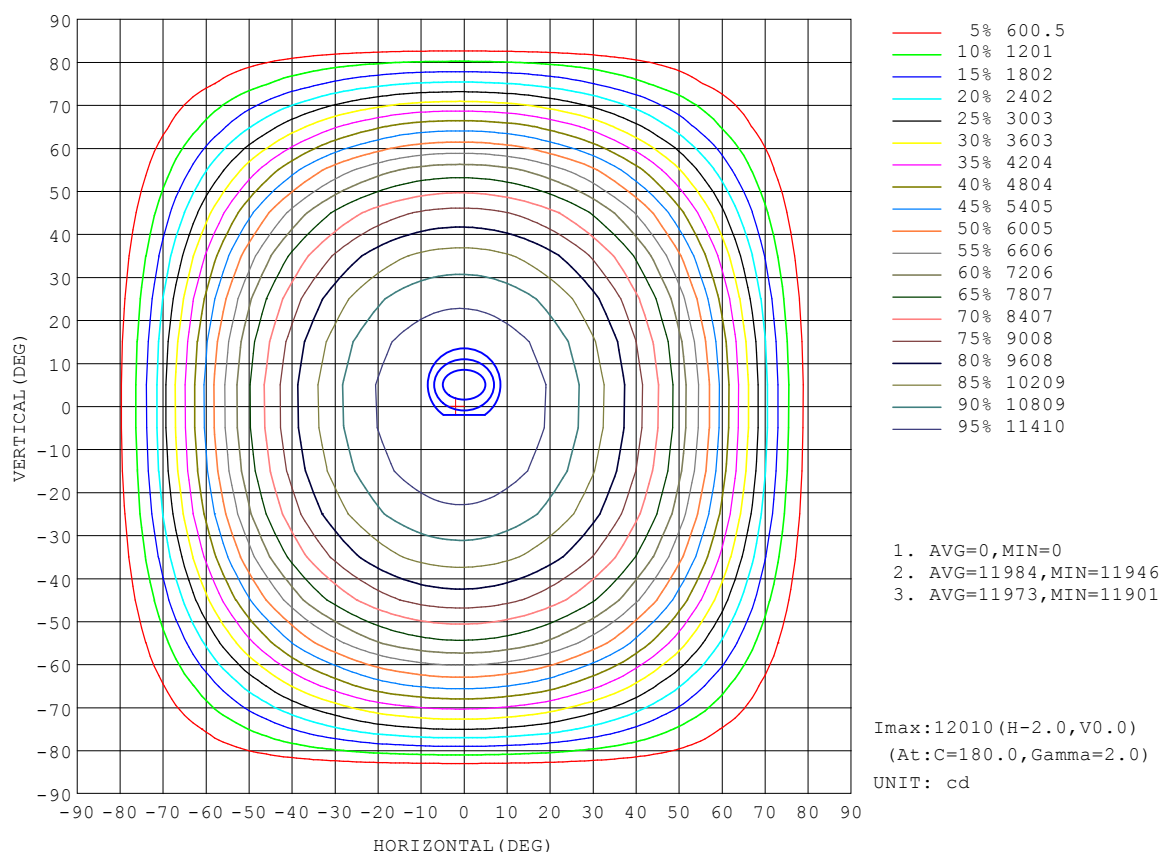
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 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:220.05V I:1.0462A P:227.76W PF:0.9893 Freq:49.99Hz Lamp Flux:37036.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

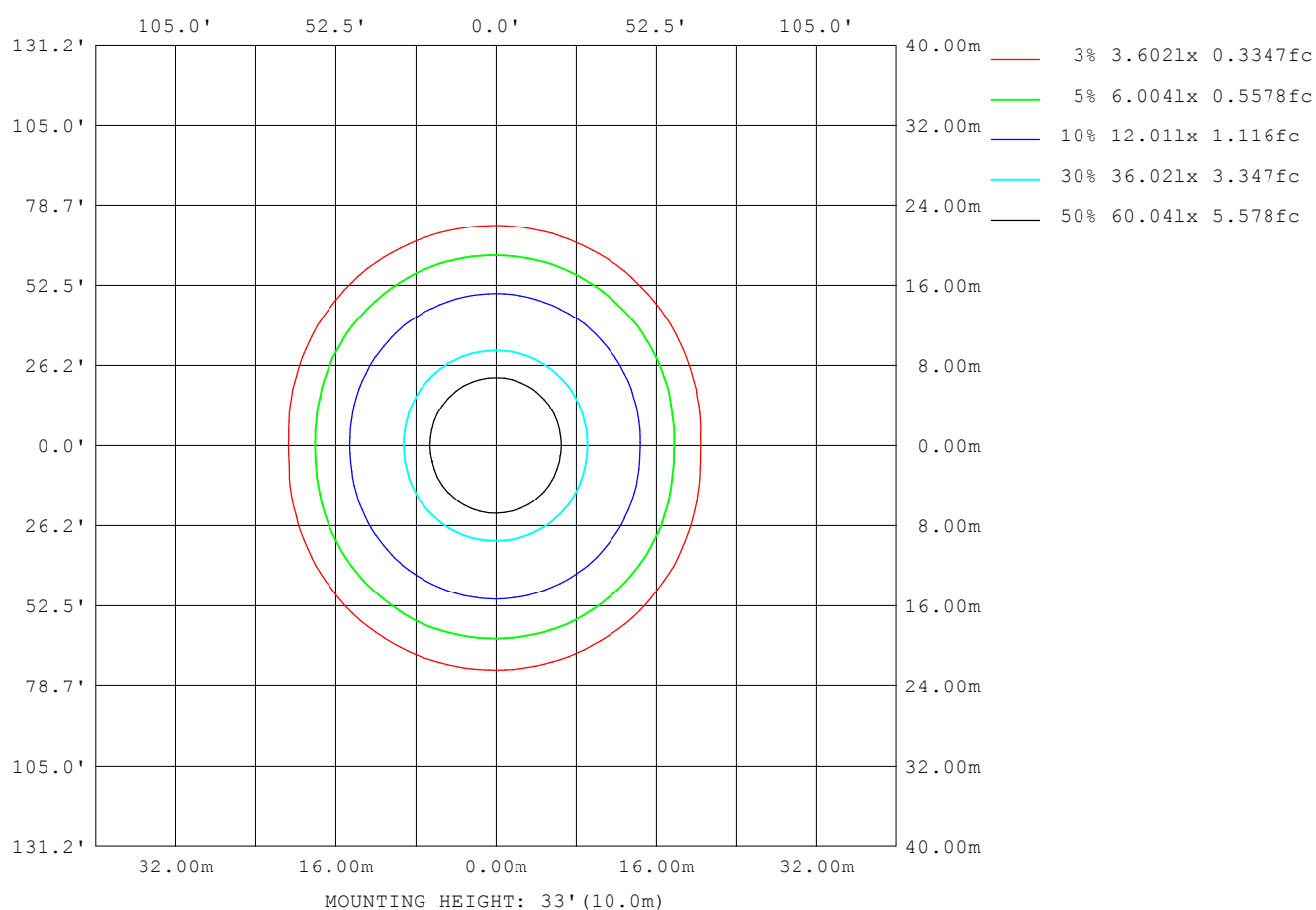


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 October 2019

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

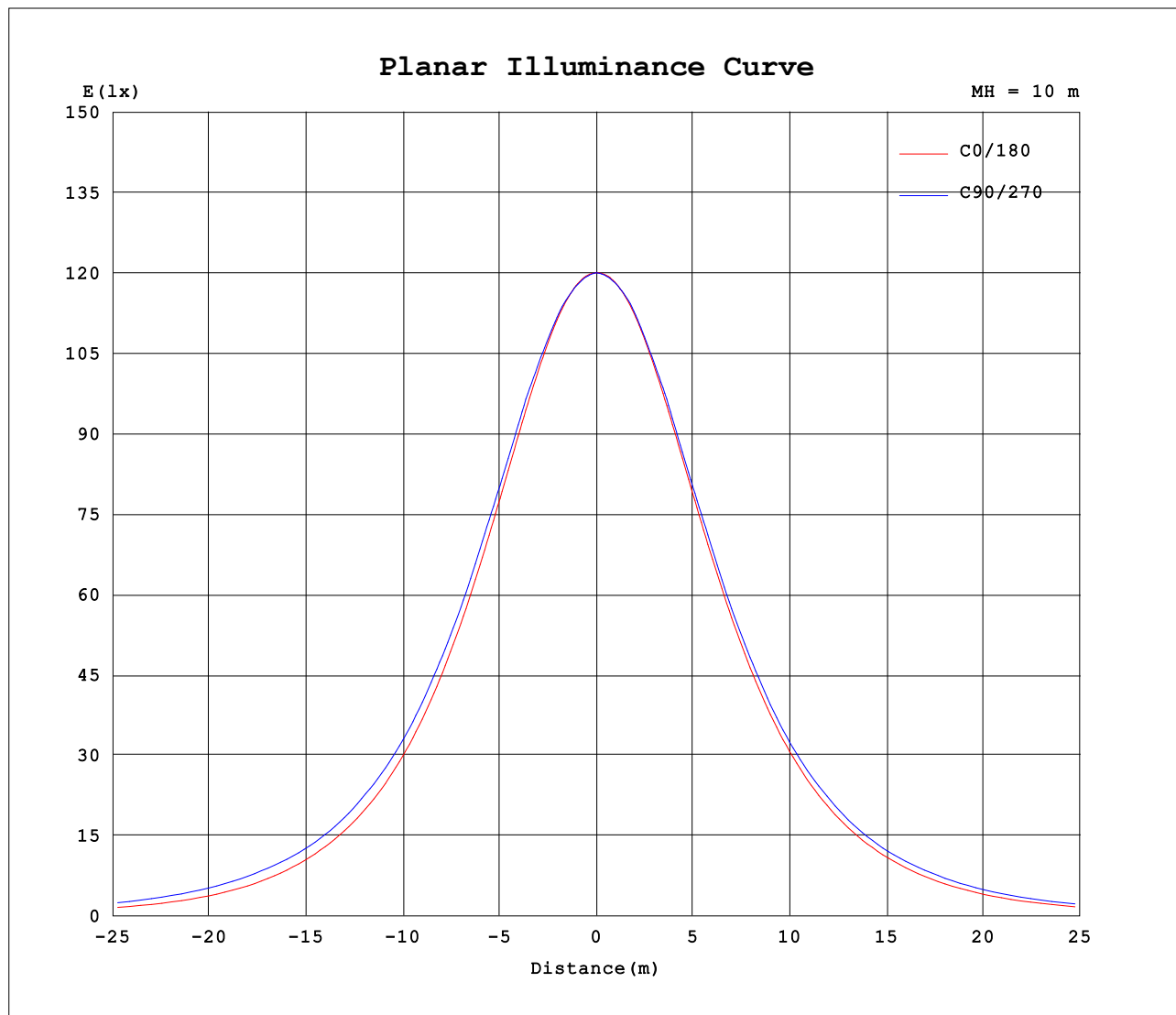
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
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Operators:CL
Test Date:22 October 2019

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



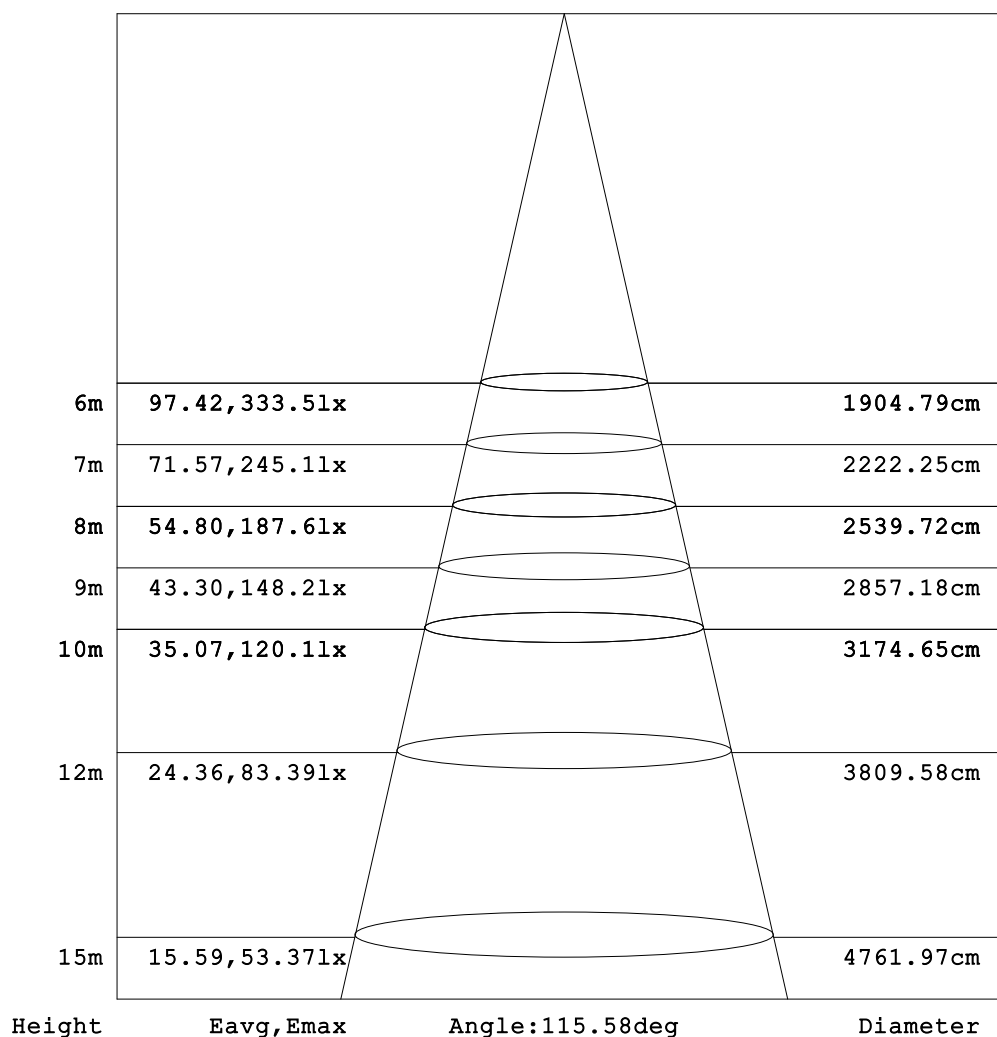
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:22 October 2019

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:220.05V I:1.0462A P:227.76W PF:0.9893 Freq:49.99Hz Lamp Flux:37036.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:28218 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:22 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:220.05V I:1.0462A P:227.76W PF:0.9893 Freq:49.99Hz Lamp Flux:37036.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:240W	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	0.63	1.38	3.73	6.41	11.4	19.4	30.2	43.3	59.4	76.0	93.2	111	126	141	152	159	168	170	169
-75	0.64	1.82	5.16	12.0	24.1	41.9	64.9	91.3	122	151	180	208	232	254	273	285	296	301	302
-70	0.65	2.27	6.59	17.6	36.8	64.5	99.6	139	184	225	267	305	338	368	394	412	424	433	435
-65	0.66	2.63	10.0	27.7	57.7	99.2	148	203	259	312	363	407	446	481	511	531	545	555	557
-60	0.67	2.99	13.4	37.8	78.6	134	197	266	334	398	459	510	554	595	628	651	667	677	679
-55	0.69	3.44	17.7	50.9	104	173	249	328	406	476	541	597	643	684	717	742	758	768	771
-50	0.71	3.89	22.0	63.9	129	212	301	391	477	553	623	684	733	774	807	832	850	860	862
-45	0.72	4.48	27.3	77.3	155	248	348	445	536	616	687	748	799	841	875	901	918	928	931
-40	0.73	5.08	32.7	90.6	181	285	395	499	594	680	751	813	864	908	943	969	987	997	1000
-35	0.75	6.54	37.2	104	204	315	431	540	638	724	797	860	913	956	991	1018	1037	1047	1049
-30	0.76	7.99	41.8	117	226	346	467	581	683	768	842	907	961	1005	1040	1067	1086	1096	1099
-25	0.77	8.34	46.2	128	243	368	493	611	712	798	873	938	993	1037	1073	1099	1118	1128	1131
-20	0.79	8.69	50.5	138	259	391	518	640	741	828	904	969	1024	1069	1105	1132	1150	1160	1163
-15	0.80	8.93	52.1	143	267	400	532	653	754	843	919	984	1040	1085	1120	1147	1165	1175	1177
-10	0.80	9.17	53.7	148	276	410	545	666	768	857	934	999	1055	1100	1136	1162	1180	1190	1191
-5	0.81	9.41	55.1	151	280	415	552	673	775	863	941	1006	1061	1107	1142	1169	1186	1195	1196
0	0.82	9.65	56.4	154	285	419	558	679	781	870	947	1013	1068	1114	1149	1175	1192	1200	1201
5	0.83	9.47	55.3	152	282	416	554	675	777	865	943	1009	1064	1109	1145	1171	1189	1197	1199
10	0.84	9.30	54.2	149	278	413	549	671	772	861	938	1004	1060	1105	1141	1167	1185	1195	1197
15	0.85	9.03	52.3	143	269	401	533	656	757	844	921	987	1042	1087	1123	1149	1168	1178	1180
20	0.86	8.75	50.3	138	259	390	516	640	741	828	904	970	1025	1069	1105	1132	1150	1161	1163
25	0.87	8.10	45.6	127	242	366	491	609	711	797	872	936	991	1036	1071	1098	1117	1127	1130
30	0.88	7.45	40.9	115	224	342	465	577	681	766	839	903	957	1002	1037	1064	1083	1093	1096
35	0.88	6.93	36.3	102	200	311	427	535	633	719	792	855	907	951	986	1013	1031	1041	1044
40	0.89	6.41	31.7	88.4	177	279	389	492	586	672	746	806	857	901	935	961	979	989	992
45	0.89	5.96	26.4	74.6	150	241	340	435	525	606	677	738	789	831	864	889	907	917	919
50	0.90	5.50	21.2	60.7	122	203	291	378	463	540	608	669	721	761	793	817	834	844	847
55	0.90	5.01	16.7	47.6	97.0	162	237	313	389	457	520	577	625	664	695	720	737	747	749
60	0.90	4.53	12.3	34.5	71.7	122	184	248	314	373	432	485	530	566	598	624	640	649	651
65	0.90	4.07	9.33	24.7	50.9	87.9	134	184	236	284	333	375	414	446	472	495	509	516	518
70	0.91	3.61	6.36	14.9	30.1	53.9	84.2	120	157	195	233	266	298	325	346	367	377	383	385
75	0.91	2.48	5.18	10.2	19.0	33.3	51.6	73.6	97.3	122	147	169	191	210	224	237	245	248	250
80	0.91	1.35	4.01	5.57	7.89	12.7	19.1	27.7	37.9	48.5	60.4	72.2	84.1	94.3	102	107	112	114	115
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:22 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:220.05V I:1.0462A P:227.76W PF:0.9893 Freq:49.99Hz Lamp Flux:37036.3x1 lm		
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SPEC.:240W	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	169	165	156	148	134	120	104	86.9	69.0	53.0	37.8	25.3	15.9	8.89	5.46	3.22	0.97	0.68	
-75	300	292	281	267	246	223	198	171	141	112	83.5	57.6	36.3	19.9	9.77	4.25	1.44	0.69	
-70	431	419	406	386	357	327	293	254	212	171	129	90.0	56.7	30.8	14.1	5.28	1.92	0.70	
-65	553	541	525	502	469	434	395	348	295	244	189	136	87.6	49.5	22.6	7.50	2.21	0.71	
-60	675	663	645	619	582	541	496	441	379	316	249	182	118	68.1	31.0	9.71	2.51	0.73	
-55	766	754	735	709	673	631	583	523	457	387	310	232	156	91.4	42.7	13.6	2.83	0.74	
-50	857	845	826	799	764	722	670	605	536	457	370	282	194	115	54.3	17.5	3.16	0.76	
-45	926	914	894	866	830	786	734	669	598	514	423	326	228	138	66.0	21.5	3.55	0.77	
-40	995	982	962	933	896	851	797	733	660	571	475	371	262	161	77.7	25.4	3.95	0.79	
-35	1045	1032	1011	982	945	899	844	779	704	617	516	407	292	183	89.3	29.6	4.60	0.80	
-30	1094	1081	1060	1031	994	947	891	824	749	662	556	444	322	205	101	33.8	5.26	0.81	
-25	1126	1113	1092	1063	1025	978	921	854	778	690	585	466	343	220	109	36.7	5.52	0.82	
-20	1158	1145	1124	1095	1057	1009	952	884	806	718	614	489	363	234	118	39.7	5.78	0.82	
-15	1172	1160	1140	1111	1072	1025	967	900	822	732	629	503	374	243	123	41.7	5.96	0.83	
-10	1187	1176	1155	1127	1088	1040	983	915	837	747	644	518	384	252	128	43.8	6.14	0.83	
-5	1193	1181	1161	1133	1094	1046	989	921	842	752	648	523	387	254	130	44.1	6.71	0.84	
0	1198	1187	1167	1138	1100	1053	995	927	848	756	653	527	390	256	131	44.4	7.28	0.85	
5	1195	1183	1163	1135	1097	1049	991	923	844	753	650	524	389	255	130	44.2	6.74	0.86	
10	1192	1180	1159	1131	1093	1045	988	920	841	750	647	520	387	254	130	44.1	6.19	0.87	
15	1175	1162	1142	1113	1075	1027	969	901	823	733	629	504	373	243	123	41.3	5.97	0.89	
20	1158	1145	1124	1094	1056	1009	951	883	805	716	611	487	360	233	117	38.5	5.76	0.90	
25	1124	1111	1090	1061	1023	976	919	851	775	686	581	463	338	217	107	35.3	5.55	0.91	
30	1091	1078	1057	1027	989	943	887	820	745	656	550	438	316	201	97.2	32.2	5.35	0.92	
35	1039	1026	1005	976	938	892	837	772	696	608	506	398	284	177	85.2	27.6	5.01	0.93	
40	987	974	953	925	887	841	788	725	647	561	462	358	252	154	73.3	23.0	4.66	0.94	
45	914	902	882	854	818	773	719	656	582	499	407	312	217	129	61.0	19.1	4.31	0.95	
50	842	829	810	783	749	705	649	587	517	437	352	265	181	105	48.7	15.2	3.97	0.95	
55	744	732	712	684	650	609	556	498	433	363	287	213	143	81.3	36.9	11.5	3.61	0.96	
60	646	634	614	585	551	513	464	410	350	290	223	161	105	57.7	25.2	7.74	3.25	0.96	
65	513	503	487	461	433	399	357	313	264	215	163	115	73.8	40.0	17.5	6.25	2.51	0.96	
70	381	373	359	337	314	285	250	216	177	140	104	69.8	42.8	22.4	9.82	4.76	1.76	0.96	
75	247	241	231	217	200	180	157	134	109	85.3	62.1	41.9	25.7	14.0	6.95	3.64	1.34	0.96	
80	112	109	103	96.9	86.8	76.1	63.4	50.9	40.1	30.2	20.7	14.1	8.62	5.69	4.07	2.52	0.91	0.96	
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:22 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: