

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	324.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	161.2V x 151.9H
	At 50% of Imax	125.1V x 115.5H
	At 90% of Imax	63.3V x 55.8H

Beam Flux	Total	997.4 lumens per klm.
	To 10% of Imax	986.3 lumens per klm.
	To 50% of Imax	803.0 lumens per klm.
	To 90% of Imax	257.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

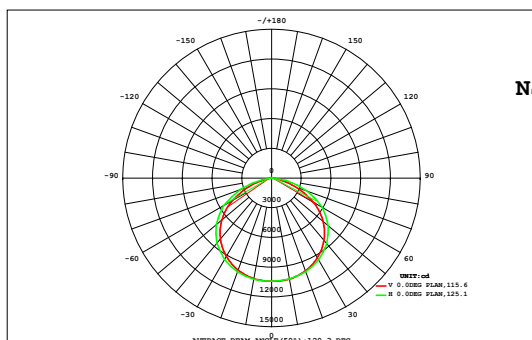
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 October 2019

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:219.76V I:0.8699A P:187.48W PF:0.9807 Freq:49.99Hz Lamp Flux:32079.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:171.11lm/W	
NJZ-MODE200-V01-RZ-120-TG-GR		Imax(cd)	10420
NOMINAL POWER(W)	200	AVAILABILITY(%)	99.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	31771
NOMINAL FLUX(lm)	32079.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	32079
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	0.09	0.77	3.58	10.4	21.2	34.5	47.7	57.6	62.4	61.9	55.9	45.2	31.6	18.6	8.60	2.72	0.55	0.05	463	390
70	0.12	1.82	9.66	26.9	51.7	79.3	105	124	134	133	122	101	75.4	47.9	23.9	8.02	1.32	0.08	1045	1022
60	0.18	3.64	18.4	47.3	85.0	125	159	184	197	196	182	155	120	80.5	43.3	16.0	2.86	0.12	1616	1603
50	0.27	5.77	27.5	66.2	113	160	200	227	242	241	226	197	156	109	62.1	24.7	4.78	0.18	2062	2053
40	0.37	7.92	35.7	81.6	135	185	228	259	274	274	257	225	182	130	77.3	32.5	6.70	0.26	2391	2385
30	0.45	9.71	41.9	92.7	149	203	248	281	297	296	279	245	199	145	88.5	38.8	8.41	0.33	2624	2618
	0.52	11.0	46.0	99.9	158	214	261	294	310	310	292	258	210	154	95.6	42.7	9.57	0.38	2766	2761
	0.55	11.6	47.8	103	162	219	266	299	316	315	297	263	215	158	99.0	44.7	10.2	0.41	2827	2821
	0.55	11.5	47.7	102	162	218	265	298	314	314	296	262	214	158	98.5	44.4	10.1	0.40	2818	2813
	0.51	11.0	45.8	99.4	158	213	260	293	309	309	291	257	210	154	95.7	42.8	9.65	0.39	2758	2753
	0.46	9.91	42.3	93.3	150	204	249	281	298	297	279	246	200	146	89.4	39.4	8.63	0.34	2632	2627
-30	0.37	8.15	36.4	82.6	136	187	229	260	276	275	258	227	183	132	79.0	33.8	7.12	0.28	2412	2406
-40	0.27	6.12	28.8	68.3	116	163	202	231	245	244	229	199	159	112	64.9	26.4	5.24	0.19	2100	2092
-50	0.17	3.98	20.0	50.6	89.8	130	165	190	203	203	189	162	127	86.5	47.7	18.3	3.40	0.13	1690	1679
-60	0.10	2.17	11.5	31.4	59.1	89.2	117	137	148	147	136	114	86.2	55.9	29.0	10.2	1.77	0.08	1176	1157
-70	0.06	0.87	4.63	13.7	28.0	44.9	61.2	73.5	80.0	79.6	72.2	59.1	42.8	26.2	12.4	3.98	0.70	0.05	604	559
-80	0.02	0.14	0.50	1.57	3.74	6.84	10.1	12.5	13.8	13.7	12.1	9.52	6.21	3.21	1.24	0.37	0.11	0.02	95.8	31.2
-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	5.06	106	468	1071	1778	2475	3073	3502	3720	3709	3472	3026	2417	1718	1016	430	91.1	3.70	32079	---
Φ a	0.00	67.9	442	1048	1761	2460	3061	3493	3713	3701	3462	3013	2401	1700	992	403	52.3	0.00	---	31771

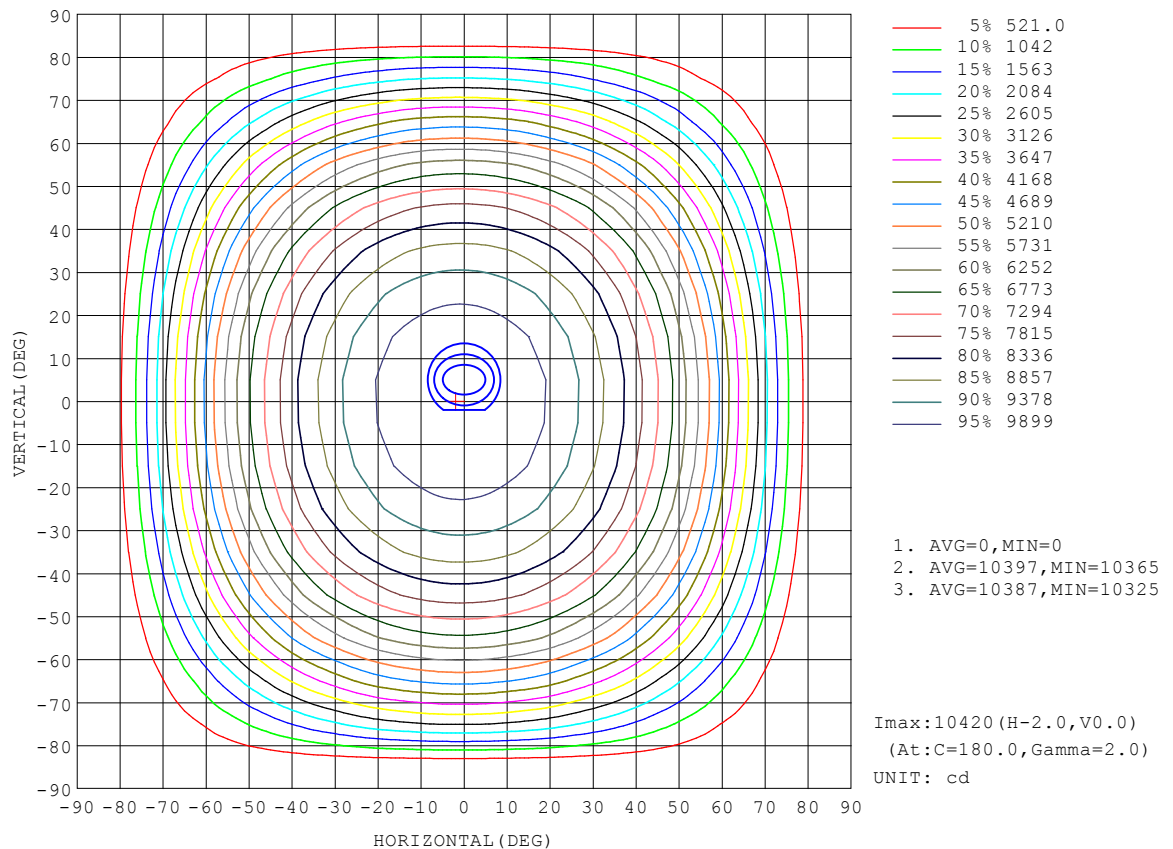
one-half-peak spread: U:63.6,D:62.0 , L:56.6,R:59.4 NEMA Beam Type: Type 7

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:219.76V I:0.8699A P:187.48W PF:0.9807 Freq:49.99Hz Lamp Flux:32079.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

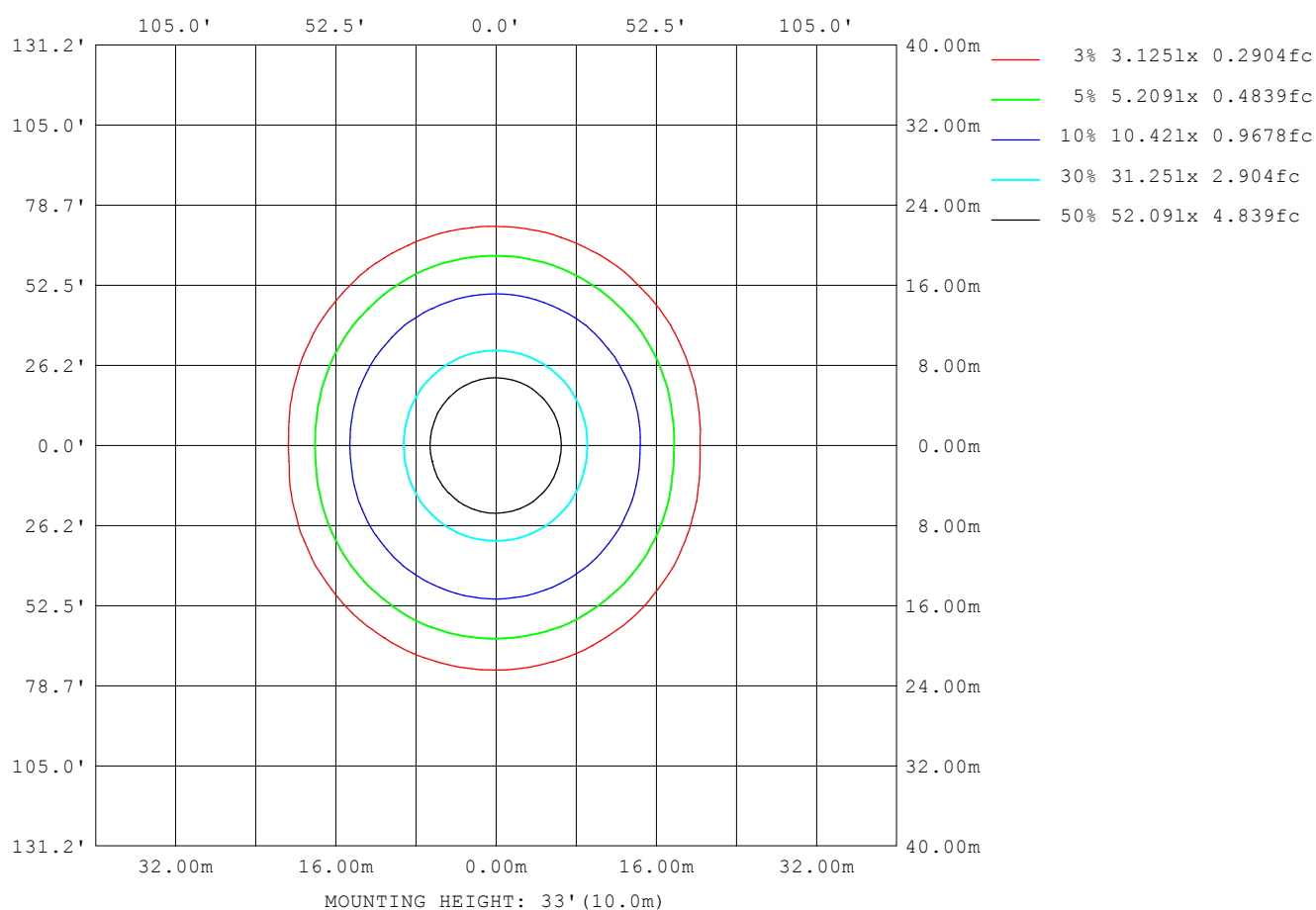


H(β) Range:-90 - 90DEG
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Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 October 2019

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ISOLUX DIAGRAM

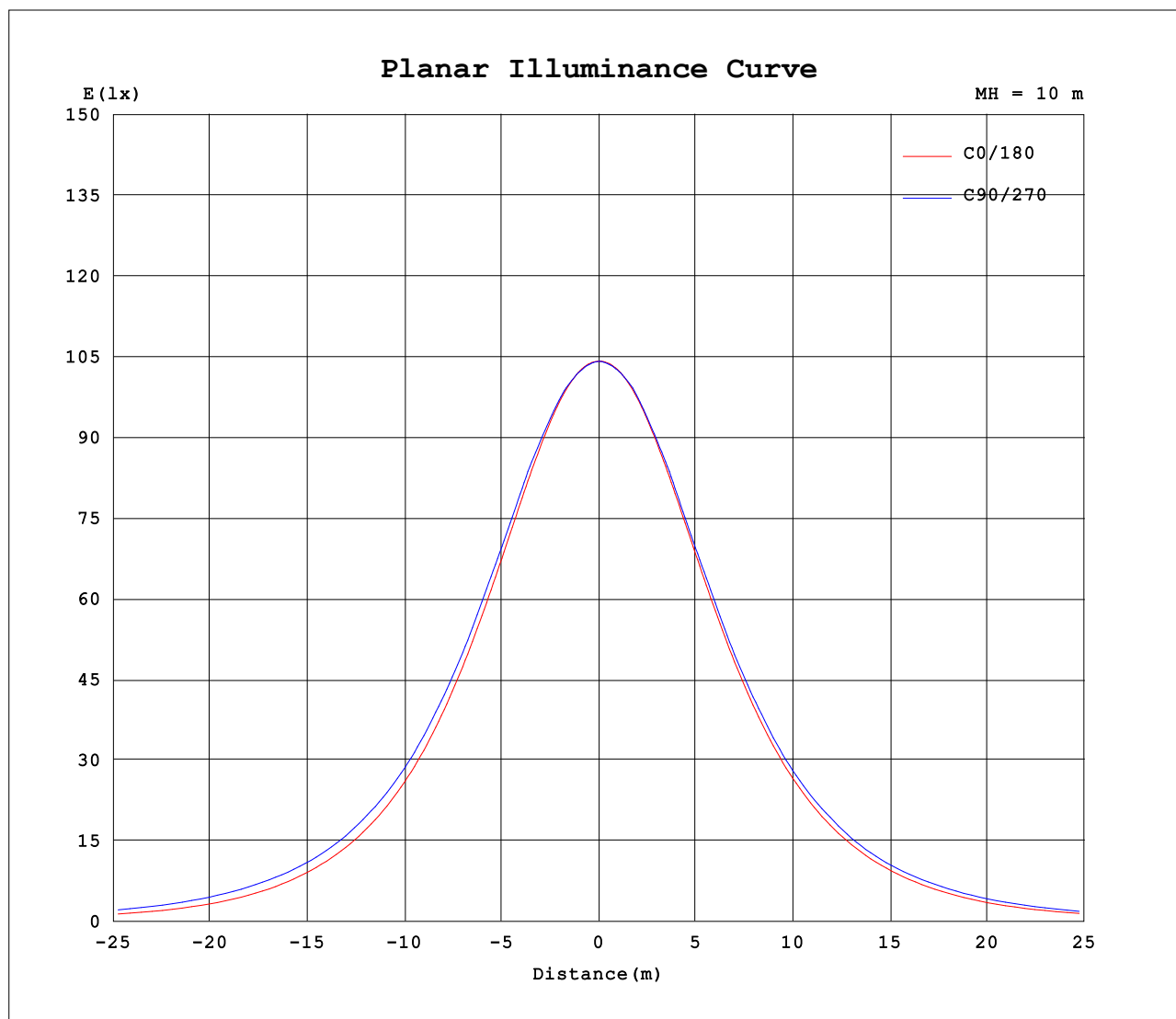
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 October 2019

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



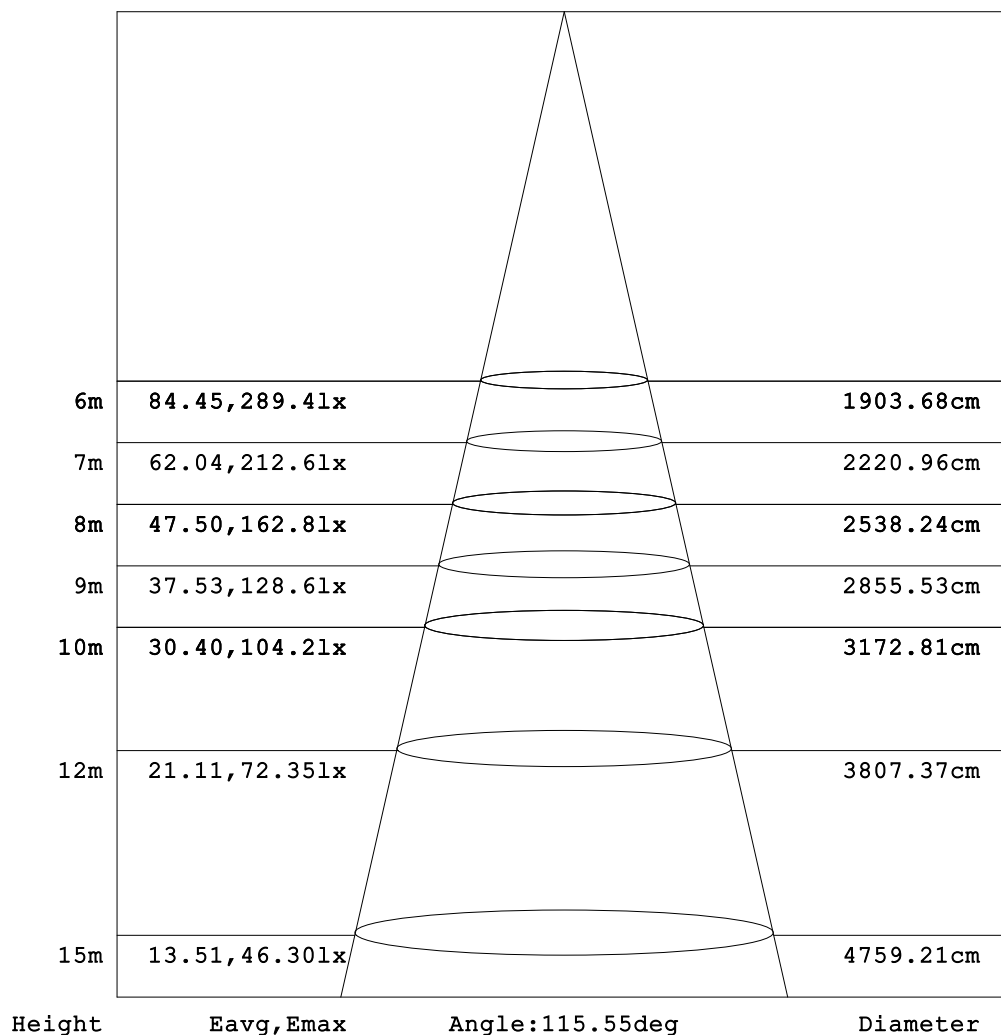
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:22 October 2019

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:219.76V I:0.8699A P:187.48W PF:0.9807 Freq:49.99Hz Lamp Flux:32079.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:24460 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:219.76V I:0.8699A P:187.48W PF:0.9807 Freq:49.99Hz Lamp Flux:32079.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	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	0.55	1.21	3.27	5.61	10.1	17.1	26.5	38.0	52.2	66.8	81.7	97.3	110	124	133	139	146	149	148
-75	0.56	1.59	4.40	10.6	21.2	36.8	56.8	80.0	106	132	157	181	202	222	238	249	258	263	263
-70	0.56	1.98	5.54	15.5	32.3	56.6	87.1	122	161	197	232	266	294	321	344	358	369	377	379
-65	0.57	2.29	8.55	24.3	50.6	86.8	129	177	226	272	316	354	388	419	445	462	474	482	484
-60	0.59	2.61	11.6	33.2	68.9	117	172	232	291	347	400	443	482	517	546	565	579	588	590
-55	0.60	3.00	15.4	44.1	90.5	151	217	286	353	413	470	518	559	594	623	644	658	667	669
-50	0.61	3.40	19.2	55.0	112	184	262	339	415	480	541	594	636	671	700	722	737	746	748
-45	0.63	3.92	23.9	67.1	135	216	303	386	465	535	596	649	693	729	759	781	797	805	807
-40	0.64	4.45	28.7	79.2	158	248	343	433	516	590	652	705	750	787	818	840	856	865	867
-35	0.65	5.72	32.6	90.5	177	274	374	469	554	628	691	746	791	829	860	883	899	908	910
-30	0.66	6.98	36.5	102	196	300	405	504	592	666	730	786	833	872	902	925	942	951	953
-25	0.67	7.30	40.2	111	211	320	427	530	618	692	757	814	861	900	930	954	970	979	981
-20	0.68	7.61	44.0	120	225	339	450	556	643	719	785	841	889	928	959	982	998	1007	1009
-15	0.69	7.82	45.4	124	232	348	462	567	655	731	798	854	902	941	972	995	1011	1020	1021
-10	0.70	8.03	46.8	129	239	356	474	578	667	744	810	867	915	955	986	1009	1024	1032	1034
-5	0.71	8.23	47.9	131	244	360	479	584	672	749	816	873	921	960	991	1014	1029	1037	1038
0	0.72	8.44	49.1	134	248	364	484	589	677	754	822	879	927	966	997	1019	1034	1041	1042
5	0.72	8.29	48.2	131	244	361	480	585	674	751	818	875	923	962	993	1016	1031	1039	1040
10	0.73	8.15	47.2	129	241	358	476	582	670	747	814	871	919	959	989	1013	1028	1036	1038
15	0.74	7.89	45.4	124	233	348	462	568	656	732	799	856	904	943	974	997	1013	1022	1024
20	0.75	7.62	43.7	119	224	338	447	555	642	717	784	840	888	927	958	981	998	1007	1009
25	0.76	7.48	39.5	109	209	317	424	527	615	690	755	811	859	898	928	952	968	977	979
30	0.76	7.33	35.4	99.7	193	296	402	499	589	663	727	782	829	868	899	922	938	947	949
35	0.77	6.45	31.4	88.0	173	268	369	462	548	622	686	740	786	824	854	877	893	902	904
40	0.78	5.57	27.4	76.3	153	241	335	425	507	581	645	698	742	780	809	832	848	856	859
45	0.78	5.16	22.8	64.2	129	207	293	375	452	523	584	637	682	719	747	769	784	793	795
50	0.78	4.75	18.2	52.2	105	174	250	325	398	466	524	577	622	657	685	706	721	730	732
55	0.79	4.34	14.4	40.8	83.1	139	203	268	334	393	447	497	539	572	599	621	636	644	646
60	0.79	3.92	10.6	29.5	61.3	104	157	212	269	320	371	416	455	486	514	536	550	558	559
65	0.79	3.51	8.03	21.0	43.4	74.9	114	156	201	243	284	321	354	382	404	424	436	442	443
70	0.79	3.09	5.47	12.6	25.6	45.5	71.1	101	133	165	197	225	254	277	295	312	321	326	327
75	0.79	2.13	4.47	8.68	16.2	28.2	43.6	62.2	82.4	103	124	143	162	178	191	201	208	211	212
80	0.80	1.17	3.46	4.80	6.75	10.8	16.2	23.5	32.1	41.0	50.8	60.9	71.1	79.6	86.6	90.6	94.3	96.0	96.9
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

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SPEC.:200W	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	148	144	136	129	118	105	90.9	76.1	60.4	46.5	33.1	22.2	14.0	7.79	4.75	2.80	0.85	0.59	
-75	261	254	245	232	214	195	173	149	123	97.7	72.9	50.4	31.7	17.4	8.48	3.70	1.26	0.60	
-70	375	365	353	336	311	285	255	222	185	149	113	78.6	49.5	27.0	12.2	4.60	1.66	0.61	
-65	480	470	457	437	408	377	343	303	257	212	165	118	76.3	42.8	19.6	6.54	1.92	0.62	
-60	586	576	560	537	506	470	431	383	329	275	217	158	103	58.5	27.0	8.48	2.18	0.63	
-55	665	654	638	615	584	548	506	454	397	336	269	201	136	79.1	37.1	11.9	2.46	0.65	
-50	744	733	716	693	663	626	581	525	465	397	321	245	169	99.7	47.3	15.3	2.75	0.66	
-45	803	793	775	751	720	682	636	581	519	446	366	283	198	120	57.5	18.6	3.08	0.67	
-40	863	852	834	809	777	738	691	636	572	495	412	321	227	140	67.8	22.0	3.42	0.68	
-35	906	895	877	852	819	780	732	675	611	535	447	353	253	159	77.7	25.7	4.01	0.69	
-30	949	938	919	894	862	821	772	715	650	575	483	385	280	178	87.5	29.5	4.60	0.70	
-25	977	965	947	922	889	848	799	741	674	598	508	404	297	191	94.9	31.9	4.81	0.71	
-20	1004	993	975	950	916	875	825	767	699	622	532	424	315	203	102	34.4	5.01	0.72	
-15	1017	1007	989	964	930	889	839	780	713	635	545	436	324	210	107	36.1	5.17	0.72	
-10	1030	1020	1003	978	944	903	853	794	726	648	558	449	333	218	111	37.9	5.33	0.73	
-5	1035	1025	1008	983	949	908	858	799	730	652	562	453	336	220	112	38.2	5.34	0.74	
0	1039	1030	1013	988	955	913	863	804	735	656	566	457	338	222	113	38.4	5.35	0.74	
5	1037	1027	1009	984	951	910	860	800	732	653	563	454	337	221	113	38.2	5.35	0.75	
10	1034	1023	1006	981	948	906	856	797	729	650	560	451	335	220	112	38.0	5.35	0.76	
15	1019	1008	990	965	932	890	840	781	713	635	545	436	323	210	106	35.7	5.17	0.77	
20	1004	993	974	949	915	874	824	765	697	620	529	421	311	201	101	33.3	4.99	0.78	
25	975	963	945	919	886	845	796	737	671	594	502	400	292	187	92.1	30.5	4.81	0.79	
30	945	934	916	890	857	817	768	710	644	567	475	378	273	173	83.7	27.7	4.64	0.80	
35	900	888	870	845	812	772	725	668	601	526	437	343	245	153	73.4	23.8	4.33	0.81	
40	854	843	825	800	768	728	681	626	558	484	399	308	217	132	63.2	19.8	4.03	0.82	
45	791	780	762	738	707	668	621	566	502	430	351	268	186	111	52.5	16.4	3.73	0.83	
50	727	717	700	677	647	608	560	506	445	376	303	227	155	89.8	41.7	13.1	3.43	0.83	
55	641	631	614	589	560	524	479	428	372	312	246	182	122	69.5	31.6	10.0	3.11	0.84	
60	555	545	528	502	474	440	397	351	299	248	190	137	89.0	49.1	21.4	6.97	2.79	0.84	
65	440	431	416	395	370	341	305	267	224	183	139	97.7	62.5	34.0	14.9	5.52	2.14	0.84	
70	324	317	305	287	267	242	212	183	150	119	87.3	58.6	36.1	18.9	8.27	4.08	1.49	0.84	
75	210	205	196	184	170	153	133	113	91.7	72.0	52.4	35.2	21.7	11.9	5.88	3.11	1.14	0.84	
80	94.9	91.7	86.8	81.7	73.0	63.8	53.3	42.7	33.7	25.4	17.5	11.8	7.31	4.89	3.50	2.13	0.80	0.84	
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: