

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	333.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	159.2V x 152.1H
	At 50% of Imax	122.3V x 115.8H
	At 90% of Imax	60.2V x 55.8H

Beam Flux	Total	997.9 lumens per klm.
	To 10% of Imax	985.8 lumens per klm.
	To 50% of Imax	798.6 lumens per klm.
	To 90% of Imax	246.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

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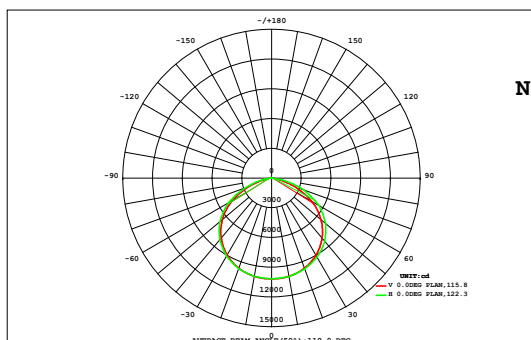
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 October 2019

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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:120.05V I:1.6328A P:192.48W PF:0.9820 Freq:59.98Hz Lamp Flux:30520.9x1 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:158.56lm/W	
NJZ-MOHE200-V01-RZ-120-TG-BL		Imax(cd)	10165
NOMINAL POWER(W)	200	AVAILABILITY(%)	98.9
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	30190
NOMINAL FLUX(lm)	30520.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	30521
TEST VOLTAGE(V)	120	θ @50%(H,V)	116,122DEG

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	0.07	0.60	2.68	7.89	16.5	27.3	38.3	46.8	51.3	51.2	46.8	38.2	27.0	16.1	7.59	2.48	0.53	0.05	381	287
70	0.10	1.43	7.82	22.4	44.0	68.6	91.7	110	119	119	110	91.8	68.6	43.8	22.1	7.54	1.30	0.08	930	905
60	0.15	3.02	15.8	41.6	76.2	113	145	169	182	182	169	145	113	76.0	41.4	15.5	2.84	0.13	1492	1478
50	0.22	4.99	24.6	60.2	104	149	186	213	227	227	213	186	149	104	60.1	24.3	4.80	0.19	1939	1930
40	0.31	7.05	32.6	75.8	126	175	216	246	261	261	246	216	175	126	75.6	32.4	6.84	0.27	2279	2272
30	0.39	8.84	38.9	87.2	141	193	237	269	285	285	269	237	193	141	87.3	38.8	8.69	0.35	2523	2518
	0.46	10.2	43.3	94.8	151	205	251	283	300	300	283	251	205	151	94.7	43.0	9.97	0.41	2678	2674
	0.49	10.8	45.4	98.3	156	211	257	290	307	307	290	257	211	156	98.4	45.3	10.7	0.45	2752	2748
	0.49	10.9	45.4	98.4	156	211	257	290	307	307	290	257	211	156	98.3	45.2	10.6	0.44	2752	2748
	0.45	10.2	43.3	94.8	151	205	251	284	301	301	284	251	206	152	95.0	43.3	10.1	0.42	2684	2679
-30	0.39	9.00	39.3	88.0	142	195	239	271	288	288	271	239	195	143	88.1	39.3	8.84	0.36	2543	2538
-40	0.31	7.30	33.6	77.4	129	178	220	250	266	266	250	220	178	129	77.9	33.7	7.24	0.29	2324	2318
-50	0.22	5.34	26.1	63.1	109	154	192	220	235	235	220	192	154	109	63.4	26.1	5.24	0.20	2009	2001
-60	0.13	3.33	17.6	45.5	82.2	121	154	179	192	192	179	155	122	82.8	45.9	17.7	3.31	0.13	1593	1581
-70	0.08	1.70	9.48	26.8	51.7	79.7	105	125	136	136	126	106	80.1	52.0	26.9	9.44	1.63	0.08	1073	1053
-80	0.05	0.61	3.38	10.5	22.3	36.7	50.7	62.0	67.9	67.9	62.2	50.8	36.9	22.5	10.5	3.33	0.58	0.05	509	454
-90	0.02	0.09	0.25	0.79	2.01	3.87	6.11	7.91	8.95	8.96	7.91	6.10	3.82	1.96	0.74	0.23	0.08	0.02	59.8	5.63
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	4.32	95.4	430	994	1660	2325	2898	3317	3534	3535	3319	2901	2328	1662	994	428	93.3	3.90	30521	---
Φ a	0.00	59.2	404	970	1642	2308	2882	3303	3523	3524	3305	2885	2311	1644	970	402	57.4	0.00	---	30190

one-half-peak spread: U:62.4,D:60.4 , L:59.2,R:57.1

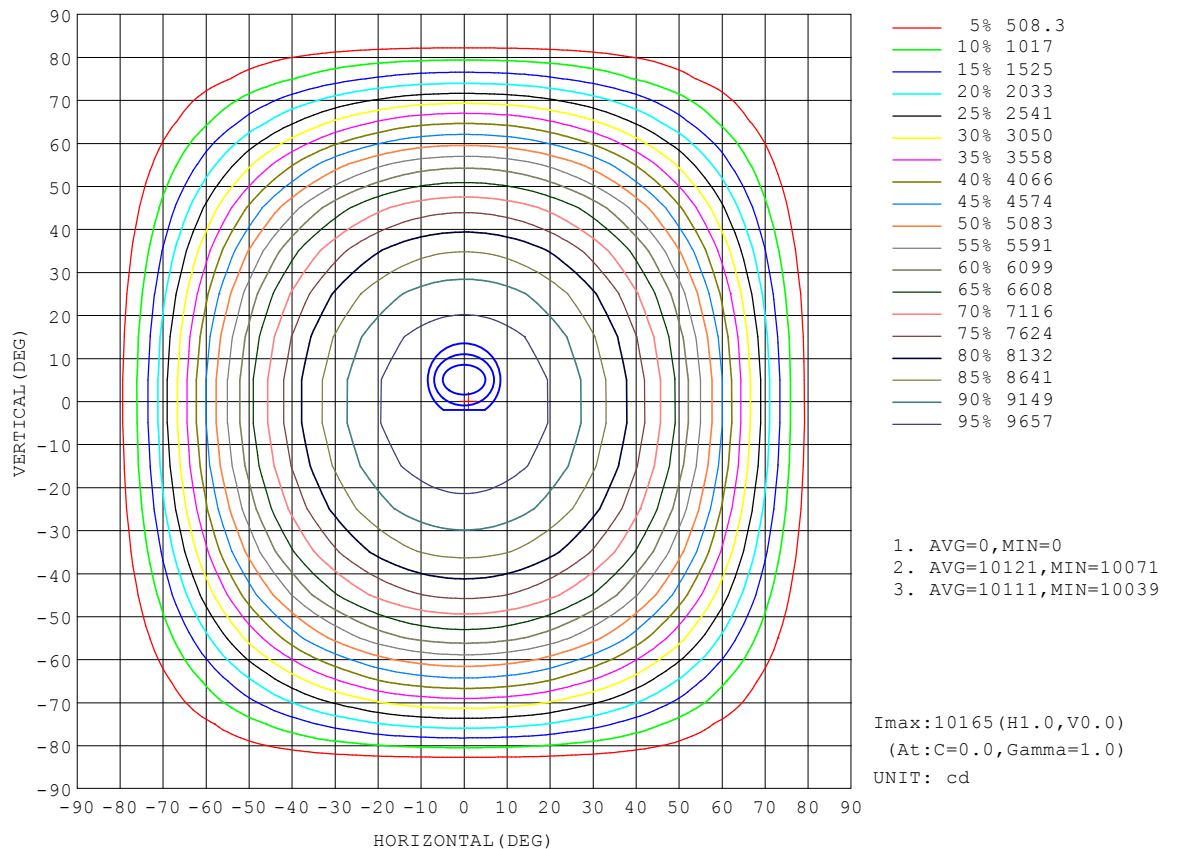
NEMA Beam Type: Type 7

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:120.05V I:1.6328A P:192.48W PF:0.9820 Freq:59.98Hz Lamp Flux:30520.9x1 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

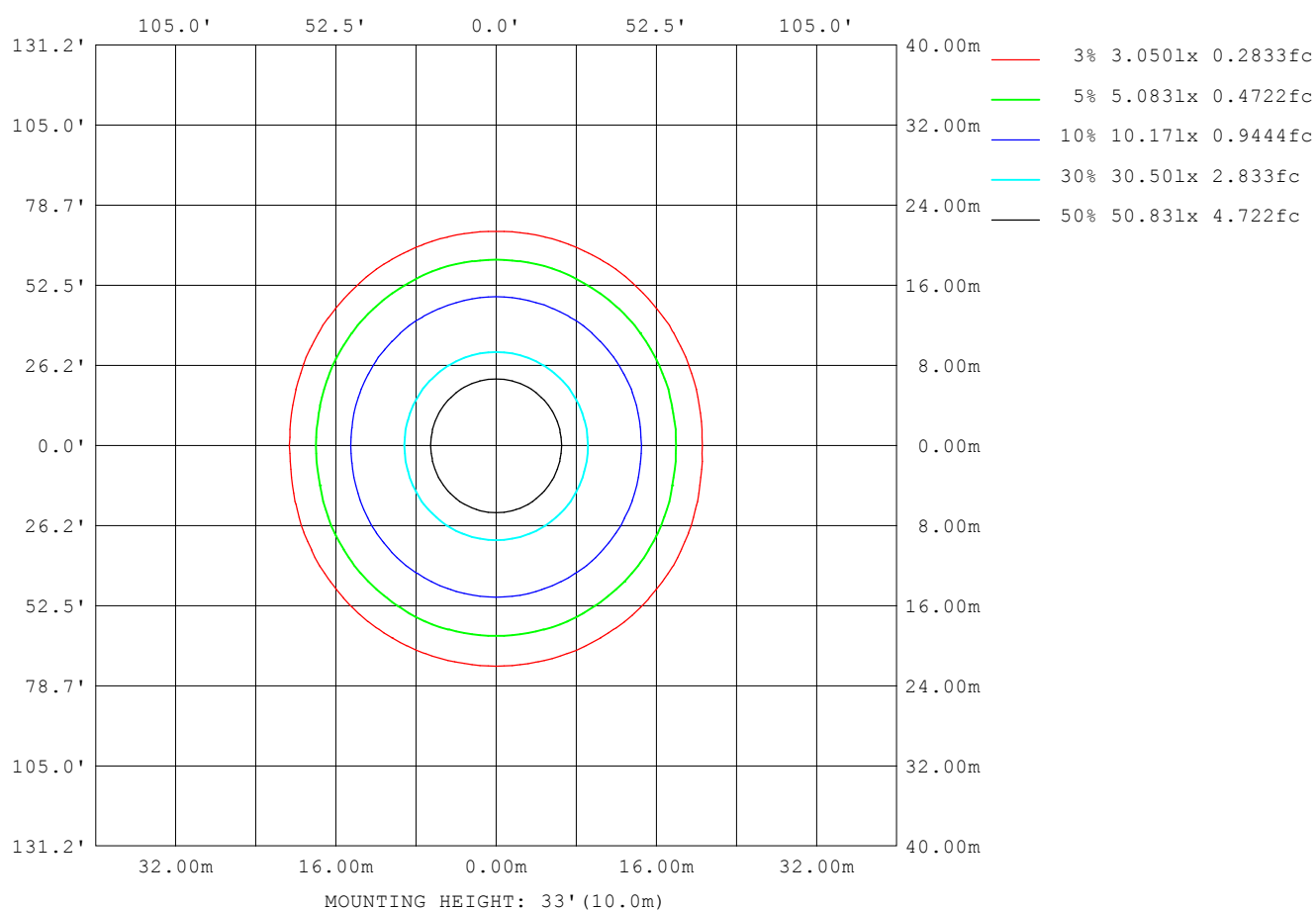


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 Temperature:25.3DEG  
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 Test Date:22 October 2019

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 Humidity:65.0%  
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 Remarks:

### ISOLUX DIAGRAM

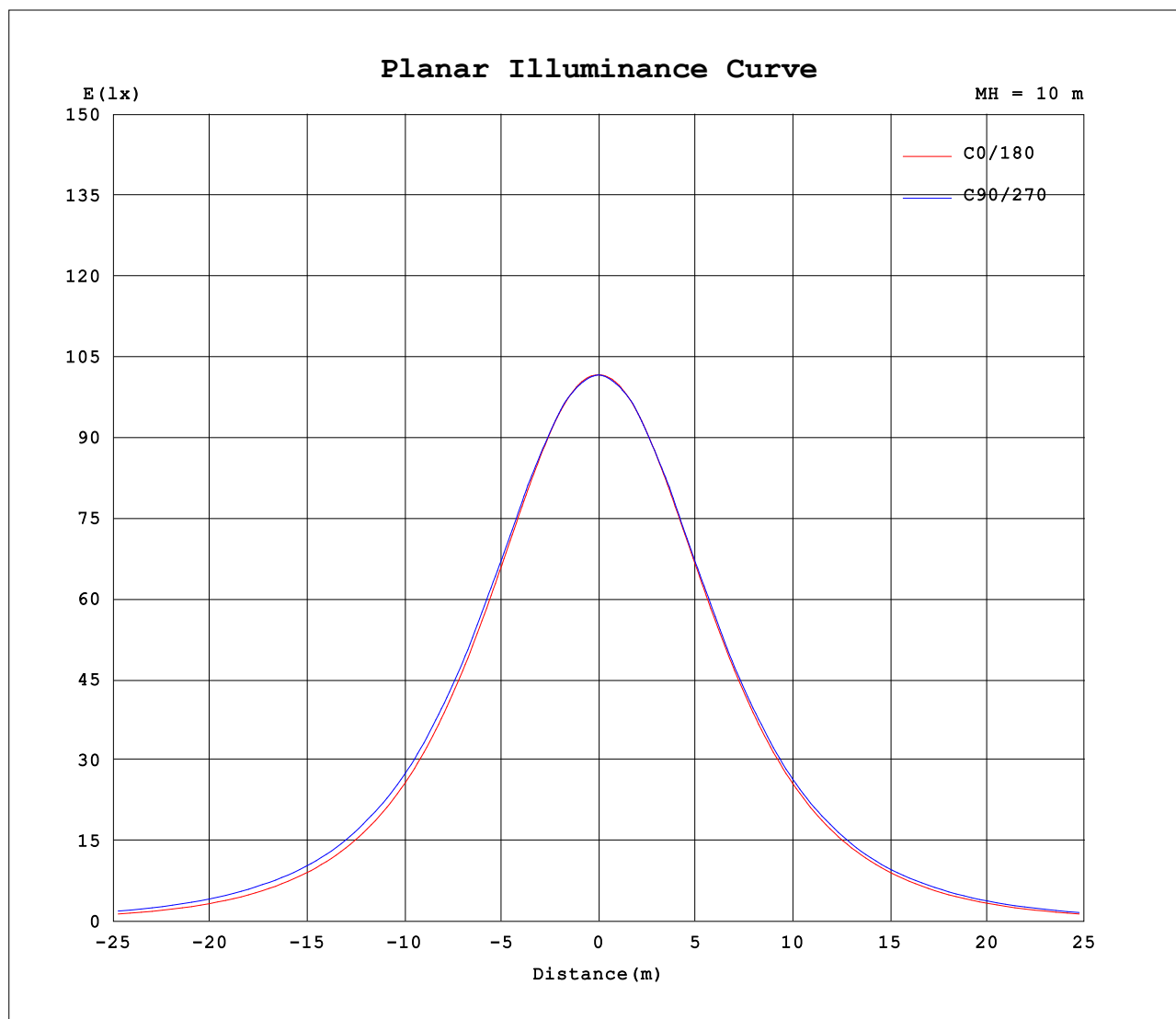
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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 October 2019

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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



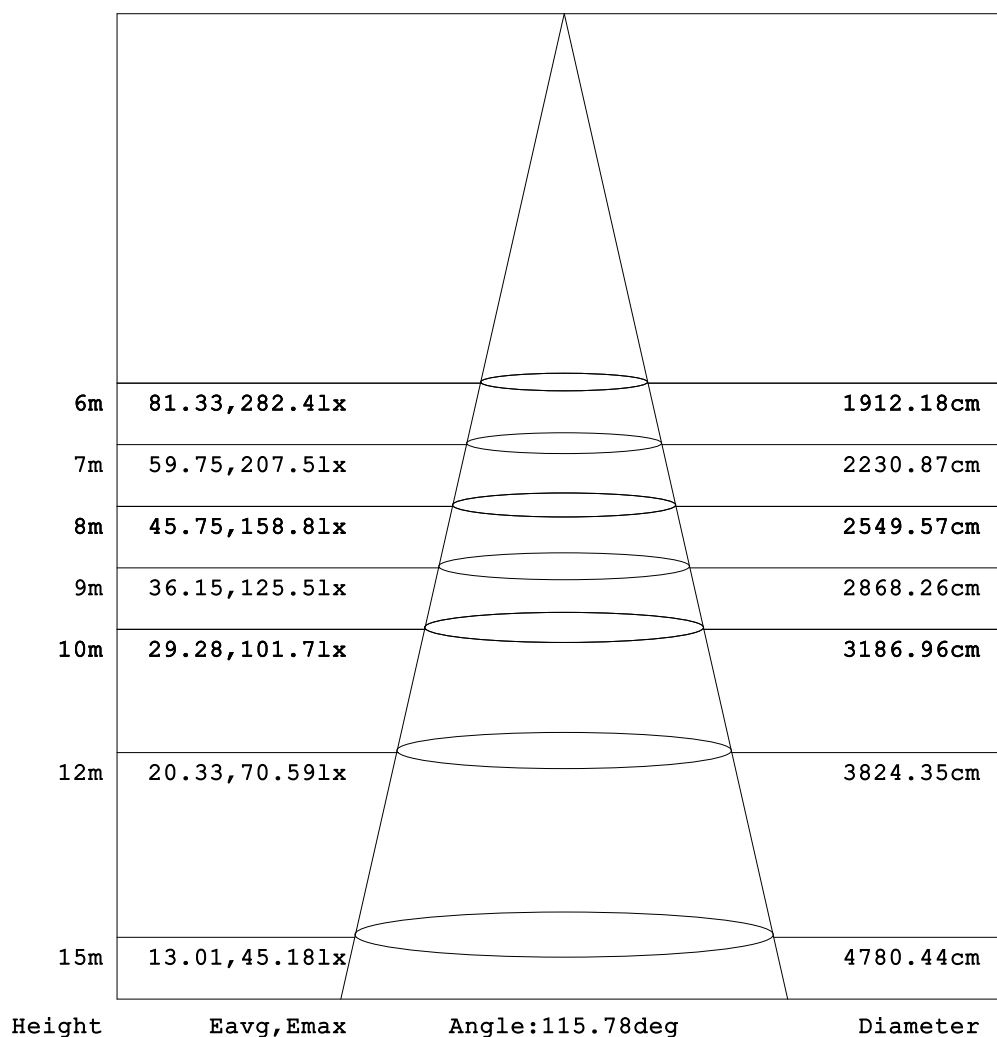
$H(\beta)$  Range: -90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: CL  
 Test Date: 22 October 2019

$V(B)$  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:120.05V I:1.6328A P:192.48W PF:0.9820 Freq:59.98Hz Lamp Flux:30520.9x1 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:23557 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: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:120.05V I:1.6328A P:192.48W PF:0.9820 Freq:59.98Hz Lamp Flux:30520.9x1 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	0.49	0.71	2.51	4.19	6.60	11.2	17.3	25.7	35.6	46.8	58.2	70.0	81.7	90.9	100	106	111	114	115
-75	0.50	1.10	3.37	7.81	15.5	27.6	43.7	62.7	84.1	106	128	150	169	184	201	211	219	224	226
-70	0.51	1.48	4.23	11.4	24.3	44.1	70.0	99.8	133	166	197	229	256	278	301	316	327	334	337
-65	0.53	1.76	6.61	19.0	40.6	71.6	110	152	196	238	279	317	349	377	403	421	434	442	444
-60	0.54	2.03	8.98	26.5	56.9	99.2	149	204	259	311	361	404	442	476	505	526	541	549	552
-55	0.56	2.37	12.4	36.6	77.3	132	193	257	320	378	433	481	521	555	584	605	621	630	633
-50	0.58	2.71	15.7	46.6	97.8	164	237	310	382	445	504	557	599	634	663	685	701	710	714
-45	0.59	3.16	19.9	58.2	120	196	277	357	432	501	561	613	656	693	722	745	761	771	774
-40	0.61	3.61	24.1	69.9	142	227	317	404	483	556	617	669	714	752	782	806	822	832	835
-35	0.63	4.29	27.9	80.7	161	253	348	439	522	594	656	710	756	794	825	849	865	875	879
-30	0.65	4.98	31.6	91.6	180	278	378	475	561	632	695	751	797	836	868	892	909	919	922
-25	0.66	5.67	35.0	100	194	298	401	500	585	658	722	778	825	864	896	920	937	947	950
-20	0.68	6.37	38.5	109	209	317	423	526	610	684	749	806	853	893	924	948	965	975	978
-15	0.69	7.02	40.3	115	218	328	438	540	625	700	765	822	870	909	940	964	981	991	994
-10	0.70	7.66	42.1	120	227	339	453	554	640	715	781	838	886	926	957	981	997	1006	1009
-5	0.71	7.50	43.4	123	231	343	458	559	645	721	787	844	892	931	962	986	1002	1011	1013
0	0.72	7.33	44.6	126	236	347	464	565	651	726	793	850	897	937	968	991	1007	1015	1017
5	0.73	7.53	43.6	123	232	343	458	559	645	721	787	844	891	931	962	985	1001	1010	1012
10	0.73	7.74	42.5	121	227	339	453	554	640	715	781	837	885	925	956	979	996	1005	1008
15	0.74	7.08	40.5	115	218	328	437	539	624	699	764	820	868	907	938	961	978	988	991
20	0.75	6.43	38.5	109	208	317	422	524	608	682	747	803	850	889	920	944	960	970	974
25	0.76	5.91	34.7	99.2	192	295	397	496	581	653	717	772	819	857	888	912	929	938	942
30	0.76	5.39	30.9	89.3	176	273	373	467	553	624	687	741	788	826	857	880	897	907	910
35	0.77	5.05	27.1	78.0	156	245	339	429	511	582	644	697	742	780	810	833	849	859	862
40	0.77	4.71	23.3	66.6	136	218	306	391	469	541	601	652	696	733	763	786	802	811	814
45	0.78	4.34	19.1	55.2	113	185	264	341	415	482	541	591	634	670	699	721	737	746	749
50	0.78	3.97	14.9	43.8	90.7	153	222	292	360	424	480	531	573	607	635	656	672	681	684
55	0.78	3.62	11.6	33.7	70.4	120	177	237	297	352	404	450	490	522	550	571	586	595	598
60	0.79	3.27	8.32	23.5	50.1	87.0	133	182	234	281	328	370	408	438	464	486	500	509	512
65	0.79	2.78	6.42	16.5	34.8	61.0	94.3	131	171	208	246	279	311	336	358	377	389	396	398
70	0.79	2.29	4.53	9.46	19.6	34.9	55.6	80.4	108	135	164	189	214	235	252	268	278	283	285
75	0.79	1.55	3.67	6.65	12.4	21.3	33.5	48.3	65.0	82.1	99.7	116	133	147	158	168	174	178	179
80	0.79	0.82	2.81	3.84	5.14	7.61	11.4	16.1	22.4	29.0	36.0	43.7	51.5	58.4	64.0	67.9	70.6	72.6	73.2
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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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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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--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	114	111	107	100	91.0	81.6	70.1	58.3	46.6	35.0	25.0	16.8	10.7	6.11	3.96	2.47	0.80	0.51	
-75	224	219	212	201	185	169	150	129	107	84.3	62.9	43.4	27.2	14.9	7.42	3.27	1.20	0.52	
-70	334	327	318	301	279	257	230	199	167	133	101	70.1	43.7	23.7	10.9	4.07	1.61	0.53	
-65	442	434	422	404	378	350	318	281	239	197	153	110	71.3	39.8	18.3	6.12	1.85	0.54	
-60	550	541	527	506	477	444	407	363	312	260	205	150	98.9	55.9	25.6	8.18	2.09	0.56	
-55	630	621	606	585	557	523	483	435	380	323	259	194	132	77.0	36.0	11.8	2.38	0.57	
-50	711	701	686	664	636	601	559	507	448	385	312	238	166	98.1	46.4	15.4	2.68	0.59	
-45	771	762	746	724	694	658	615	563	503	435	359	278	196	120	57.8	18.9	3.00	0.61	
-40	832	823	806	783	753	715	671	618	557	484	405	317	226	141	69.1	22.4	3.32	0.62	
-35	876	866	849	826	795	757	712	658	596	524	441	349	253	161	80.0	26.3	3.85	0.64	
-30	919	909	893	869	838	799	753	698	634	563	477	381	280	180	90.8	30.3	4.38	0.65	
-25	947	937	920	897	865	827	780	724	659	587	501	402	298	193	98.6	33.2	4.81	0.66	
-20	975	965	948	924	893	854	806	750	685	610	526	423	316	206	106	36.2	5.24	0.67	
-15	991	981	965	941	910	870	823	766	701	626	541	438	327	217	113	38.4	5.55	0.68	
-10	1007	998	981	958	926	887	839	783	717	641	556	454	339	227	119	40.6	5.86	0.69	
-5	1011	1002	986	963	932	892	844	788	721	646	559	458	341	229	121	40.9	6.34	0.70	
0	1015	1007	991	968	937	897	849	793	726	650	563	462	344	232	122	41.3	6.82	0.71	
5	1010	1002	986	962	931	891	844	787	721	646	559	458	341	229	120	40.9	6.33	0.72	
10	1005	996	980	957	925	886	838	782	716	641	555	454	339	227	119	40.5	5.84	0.72	
15	988	978	962	938	907	868	820	764	699	624	539	437	326	216	112	38.1	5.54	0.73	
20	971	961	944	920	889	850	803	746	682	608	523	419	313	205	105	35.7	5.24	0.75	
25	939	929	912	889	858	819	772	717	653	581	495	396	293	190	96.6	32.4	4.96	0.75	
30	907	897	881	857	827	788	742	687	625	554	468	373	273	176	87.8	29.1	4.68	0.76	
35	859	849	833	810	780	742	697	644	582	511	428	338	244	154	76.1	25.0	4.38	0.77	
40	811	802	786	763	733	696	653	601	539	467	389	303	215	133	64.5	20.8	4.08	0.78	
45	746	737	721	699	671	635	592	540	481	414	340	262	183	111	53.1	17.2	3.77	0.78	
50	681	672	657	636	608	574	532	480	423	360	291	221	151	88.4	41.8	13.6	3.47	0.79	
55	595	586	571	550	523	491	451	403	352	296	236	176	118	68.0	31.6	10.4	3.17	0.79	
60	509	501	486	464	437	407	370	327	280	232	180	131	84.6	47.7	21.3	7.20	2.86	0.79	
65	396	389	377	359	336	311	279	245	207	169	129	92.3	58.8	32.8	14.8	5.59	2.18	0.79	
70	283	278	269	253	235	214	189	163	134	106	78.6	53.8	33.0	18.0	8.26	3.99	1.49	0.79	
75	178	174	168	158	147	132	116	98.7	80.7	63.6	46.7	32.0	19.8	11.3	5.81	3.08	1.13	0.79	
80	72.4	70.6	67.5	63.5	57.6	50.3	42.4	34.4	27.4	20.9	14.8	10.3	6.60	4.54	3.37	2.17	0.76	0.79	
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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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: