

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	335.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	158.7V x 152.2H
	At 50% of Imax	121.5V x 115.6H
	At 90% of Imax	59.2V x 55.7H

Beam Flux	Total	998.0 lumens per klm.
	To 10% of Imax	985.6 lumens per klm.
	To 50% of Imax	796.2 lumens per klm.
	To 90% of Imax	243.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

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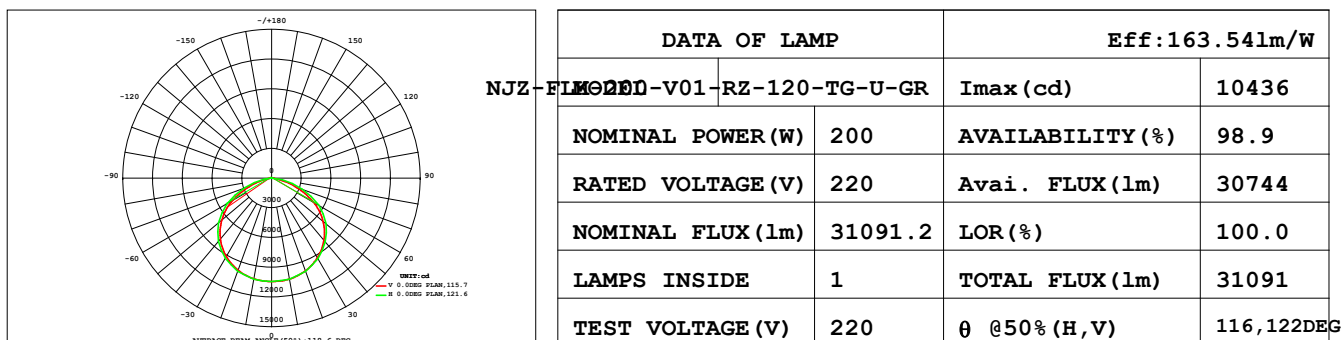
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 October 2019

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:220.04V I:0.8806A P:190.11W PF:0.9812 Freq:49.99Hz Lamp Flux:31091.2x1 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



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	0.64	2.82	8.20	17.0	28.0	39.2	47.8	52.2	52.0	47.4	38.5	27.1	16.2	7.62	2.50	0.54	0.05	388	290
70	0.11	1.53	8.18	23.2	45.4	70.6	94.2	113	122	122	112	93.5	69.7	44.3	22.2	7.57	1.31	0.09	951	924
60	0.16	3.19	16.5	43.0	78.5	116	149	174	187	187	173	148	115	77.2	41.8	15.6	2.85	0.13	1529	1516
50	0.25	5.25	25.5	62.2	108	153	192	219	234	234	219	191	152	106	60.9	24.5	4.83	0.20	1992	1983
40	0.34	7.42	33.8	78.3	130	180	222	253	269	269	252	221	179	129	76.8	32.6	6.86	0.28	2341	2334
30	0.43	9.29	40.3	90.0	146	199	244	277	293	293	276	244	198	145	88.8	39.3	8.70	0.36	2591	2586
	0.50	10.7	44.8	97.8	156	211	258	291	309	308	291	257	210	155	96.5	43.6	10.00	0.41	2750	2745
	0.54	11.4	47.0	101	160	217	264	298	315	315	298	264	216	159	100	45.9	10.7	0.45	2825	2820
	0.54	11.4	46.9	101	160	217	264	298	315	315	298	264	216	159	100	45.7	10.6	0.44	2822	2817
	0.50	10.7	44.6	97.3	155	211	257	291	308	308	291	257	210	154	96.5	43.6	10.0	0.41	2746	2741
-30	0.43	9.35	40.3	89.8	145	199	244	276	293	293	276	243	198	144	88.9	39.3	8.69	0.35	2590	2584
-40	0.34	7.51	34.0	78.3	130	180	223	254	270	270	254	223	180	130	77.7	33.2	7.00	0.27	2350	2343
-50	0.24	5.47	26.2	63.3	109	155	193	222	236	236	222	193	154	109	62.6	25.3	4.99	0.19	2018	2009
-60	0.15	3.44	17.7	45.5	82.2	121	155	179	193	193	179	155	121	81.8	44.8	17.0	3.11	0.12	1591	1578
-70	0.09	1.79	9.58	26.8	51.4	79.2	105	125	135	135	124	104	78.6	50.6	25.9	8.89	1.50	0.07	1062	1040
-80	0.05	0.66	3.46	10.4	22.0	36.0	49.6	60.5	65.9	65.8	60.1	48.9	35.2	21.2	9.75	3.00	0.52	0.05	493	433
-90	0.02	0.12	0.31	0.89	2.07	3.81	5.82	7.31	8.11	7.93	6.84	5.13	3.15	1.53	0.57	0.17	0.07	0.01	53.8	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	4.77	99.8	442	1018	1698	2375	2959	3385	3605	3603	3380	2950	2363	1683	1002	428	92.3	3.87	31091	---
Φ a	0.00	62.5	415	993	1679	2357	2942	3371	3591	3590	3366	2934	2348	1663	978	400	55.3	0.00	---	30744

one-half-peak spread: U:61.7,D:60.4 , L:58.8,R:57.4

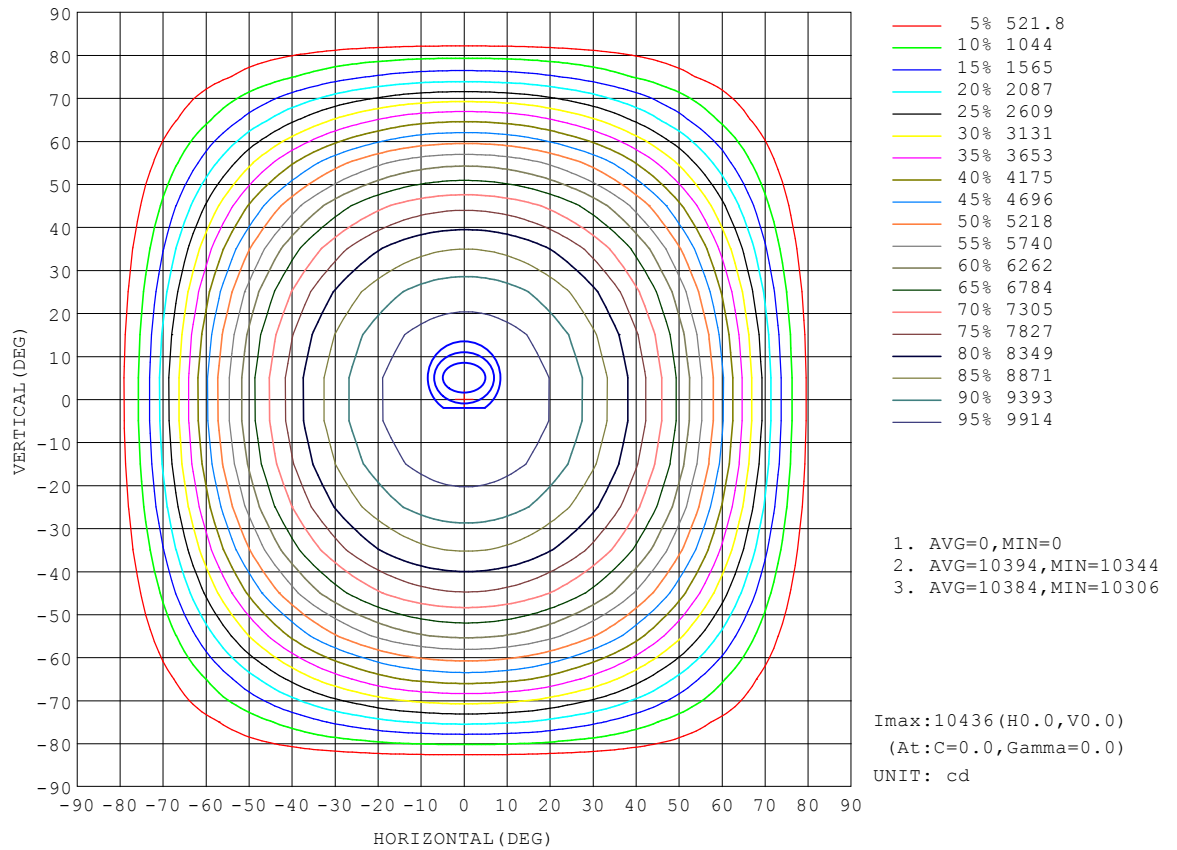
NEMA Beam Type: Type 7

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:220.04V I:0.8806A P:190.11W PF:0.9812 Freq:49.99Hz Lamp Flux:31091.2x1 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

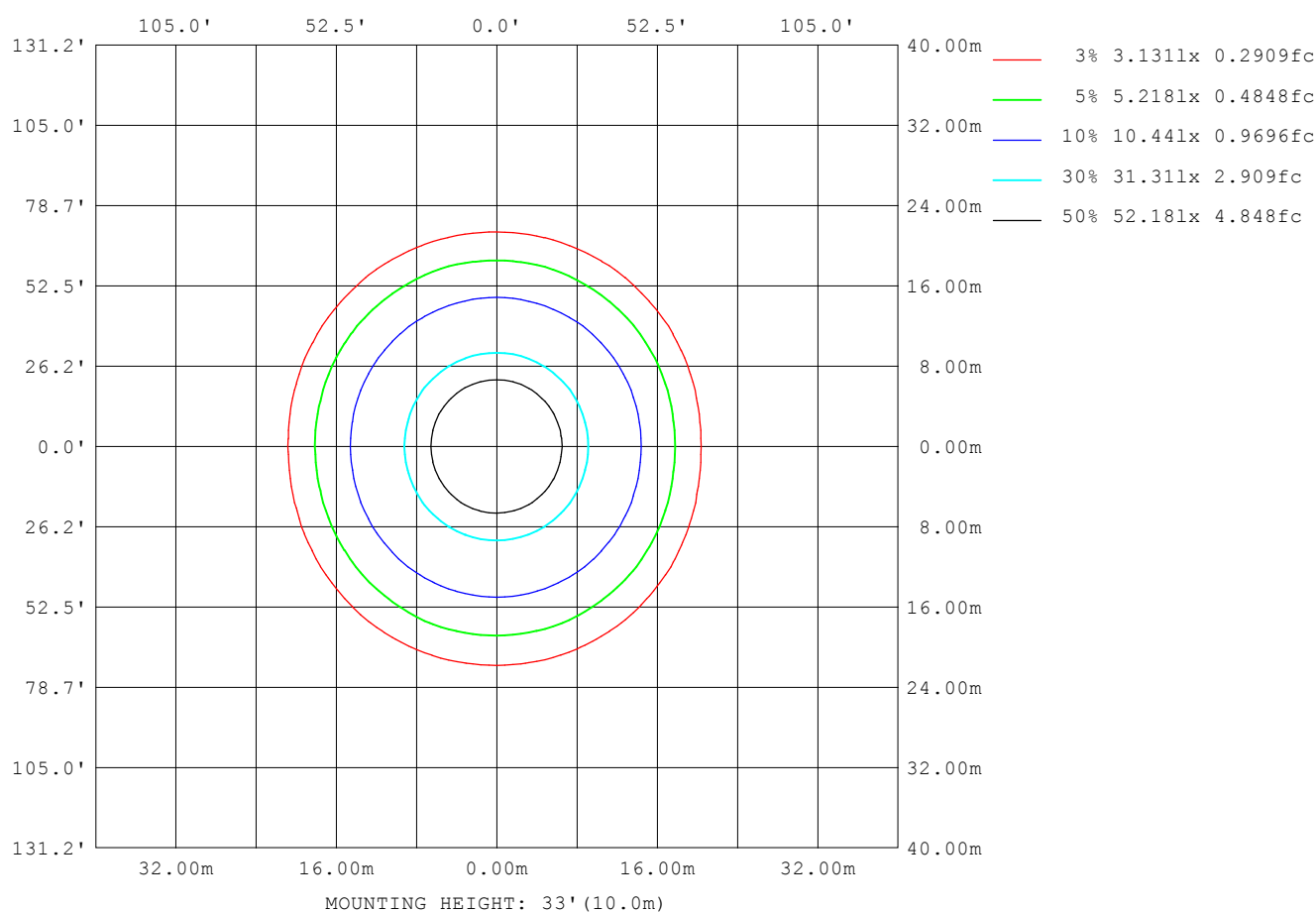


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 October 2019

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:

### ISOLUX DIAGRAM

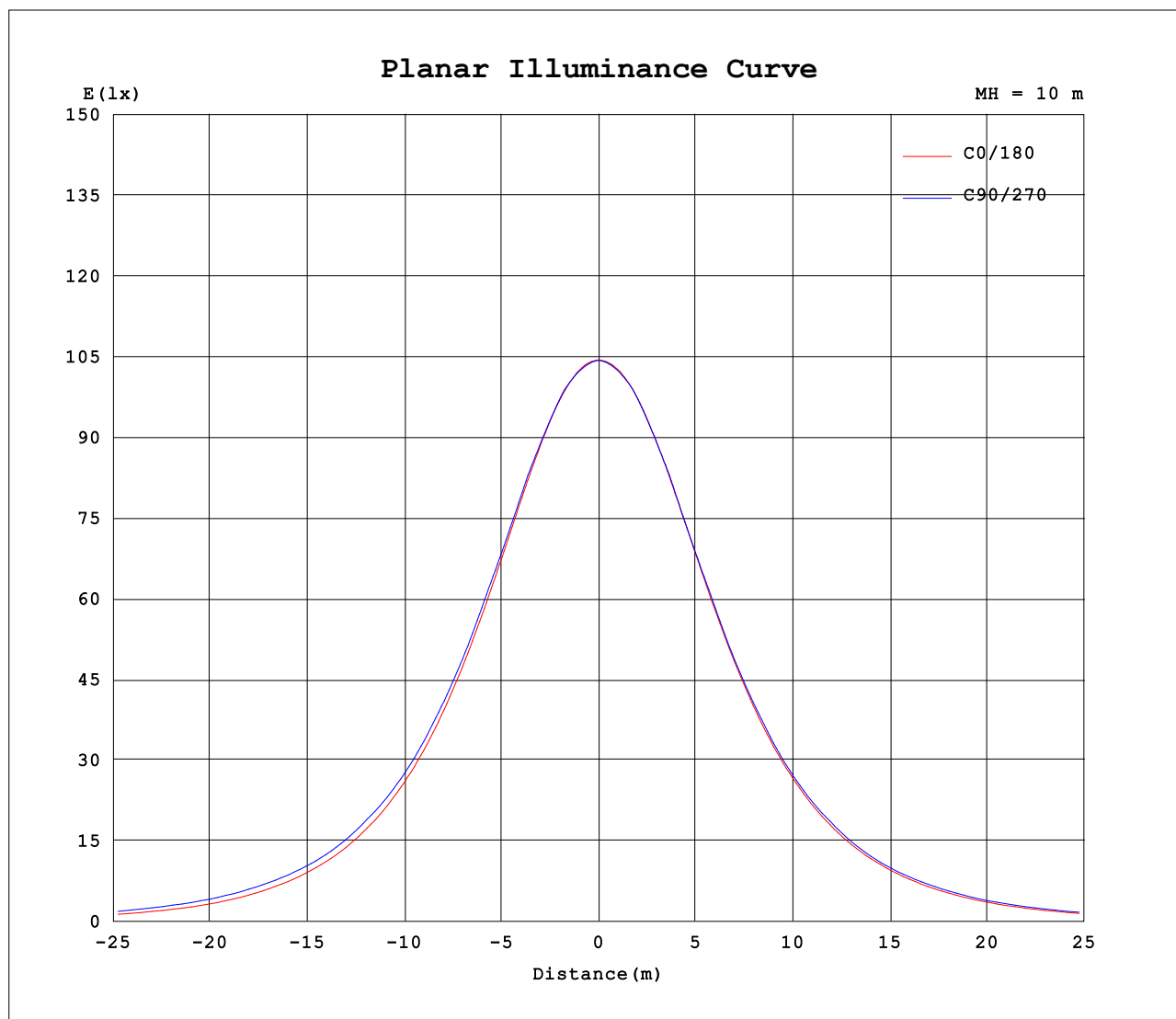
Test:U:220.04V I:0.8806A P:190.11W PF:0.9812 Freq:49.99Hz Lamp Flux:31091.2x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) 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:

### Planar Illuminance Curve



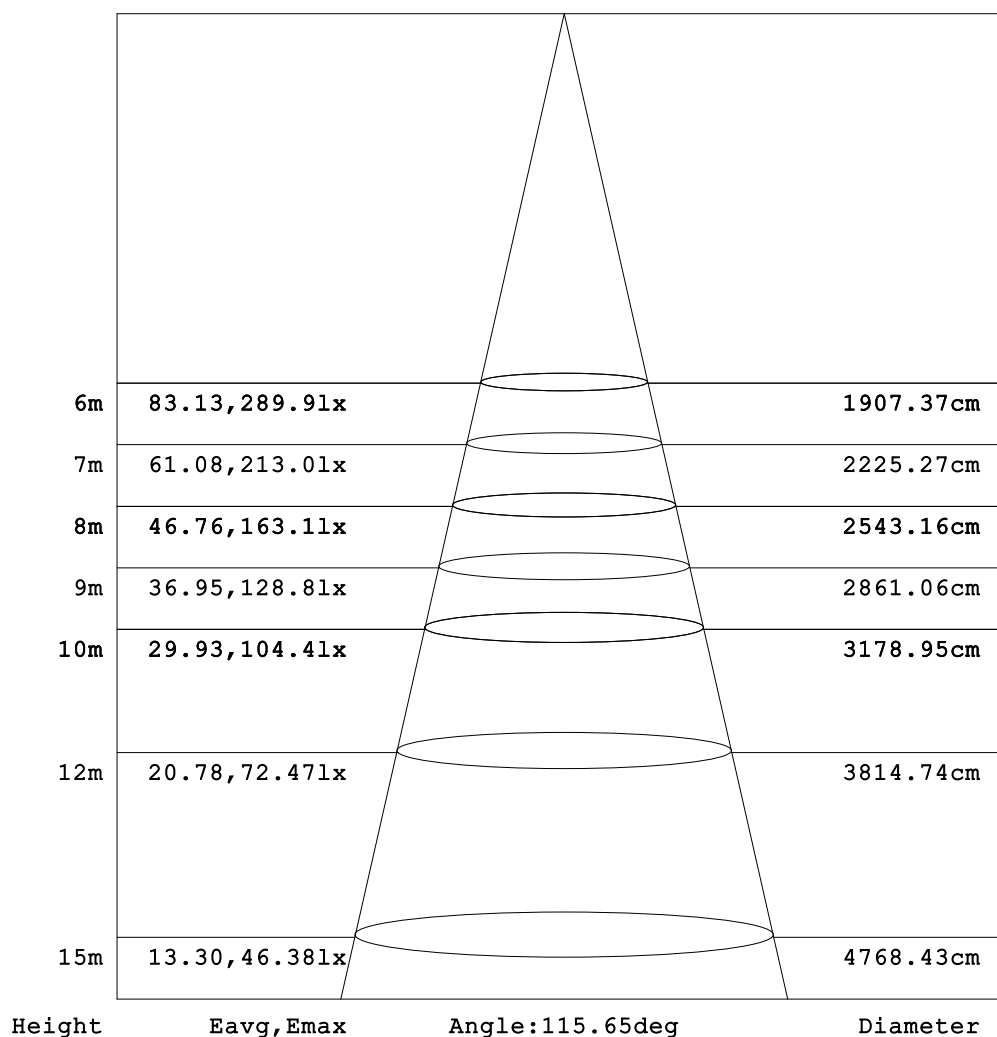
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:22 October 2019

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:220.04V I:0.8806A P:190.11W PF:0.9812 Freq:49.99Hz Lamp Flux:31091.2x1 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:24079 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:220.04V I:0.8806A P:190.11W PF:0.9812 Freq:49.99Hz Lamp Flux:31091.2x1 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	0.52	0.93	2.78	4.47	7.08	11.7	17.7	25.8	35.4	46.1	56.9	67.9	79.2	87.6	96.2	102	106	109	109
-75	0.54	1.01	3.22	7.43	14.6	26.1	41.2	59.9	79.9	102	123	144	163	179	194	206	213	218	220
-70	0.53	1.76	4.92	12.7	26.1	45.9	71.5	101	134	166	197	229	254	276	298	313	322	328	330
-65	0.56	1.62	6.07	17.7	38.1	67.6	105	147	190	232	273	311	344	372	397	417	430	438	441
-60	0.55	2.46	10.6	29.6	60.9	104	154	208	263	314	364	407	445	478	506	527	541	549	551
-55	0.58	2.17	11.2	34.1	72.7	125	186	250	314	372	427	477	518	553	582	605	621	631	634
-50	0.57	3.33	18.7	51.5	104	171	243	317	388	452	511	564	606	640	669	690	706	715	717
-45	0.61	2.84	18.1	54.3	113	188	269	349	426	497	558	612	657	695	725	749	766	776	780
-40	0.61	4.90	28.5	77.2	151	237	327	414	493	567	628	680	725	763	793	816	832	841	843
-35	0.64	3.82	25.5	75.7	154	246	342	435	520	594	659	714	761	801	833	858	876	886	890
-30	0.65	7.07	37.6	102	193	294	394	491	577	649	713	768	815	854	885	909	925	935	937
-25	0.66	5.15	32.4	95.4	189	294	399	500	589	664	731	788	838	878	911	936	954	965	969
-20	0.71	8.91	46.1	123	226	337	445	548	632	707	773	830	877	917	948	972	988	998	1000
-15	0.67	6.16	37.7	110	214	326	439	545	633	710	778	837	887	928	961	986	1003	1014	1018
-10	0.76	9.82	51.8	136	248	361	478	579	666	742	808	866	914	954	985	1008	1024	1033	1035
-5	0.60	6.59	40.8	119	228	342	461	566	655	734	802	861	911	953	985	1010	1027	1036	1039
0	0.94	10.9	53.8	142	257	371	490	591	678	755	821	879	927	966	997	1020	1035	1042	1044
5	0.56	6.65	41.0	119	228	343	462	567	656	735	803	862	912	953	986	1010	1027	1037	1040
10	0.93	10.0	52.4	137	249	363	479	580	667	744	810	867	915	955	985	1009	1025	1033	1036
15	0.60	6.35	38.3	112	216	328	441	546	635	713	780	839	888	929	962	987	1004	1015	1018
20	0.91	9.19	46.9	124	228	339	447	550	635	710	776	832	879	918	949	973	989	998	1001
25	0.68	5.95	33.1	96.4	190	295	401	502	591	666	732	790	839	879	911	936	954	964	968
30	0.83	8.05	38.3	103	194	295	395	492	578	650	714	769	815	853	884	907	924	933	935
35	0.76	5.22	26.0	76.4	155	246	342	435	520	594	658	713	760	799	831	855	872	883	886
40	0.81	6.25	29.2	77.7	152	236	326	413	492	565	626	677	721	759	788	811	826	835	837
45	0.80	4.34	18.5	54.4	113	186	266	346	421	491	552	605	650	687	717	740	757	767	770
50	0.80	4.85	18.8	50.9	102	167	238	309	380	443	500	551	594	628	656	677	692	701	703
55	0.81	3.65	11.5	33.4	70.3	120	179	240	302	359	412	460	501	535	563	585	601	610	614
60	0.81	3.90	10.6	28.1	57.0	96.6	144	195	248	296	343	385	423	453	480	501	515	522	524
65	0.81	2.78	6.58	16.8	35.3	61.7	95.4	133	174	212	250	285	317	344	366	385	398	405	408
70	0.81	2.90	5.28	11.6	22.8	39.5	61.5	87.4	115	144	172	198	223	244	261	276	285	290	291
75	0.82	1.58	3.80	6.97	12.8	22.0	34.3	49.4	66.3	83.8	102	118	135	149	161	171	178	181	182
80	0.82	1.17	3.18	4.35	5.88	8.82	12.9	18.1	24.4	31.2	38.4	46.1	53.8	60.5	65.8	69.4	71.7	73.4	73.4
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:220.04V I:0.8806A P:190.11W PF:0.9812 Freq:49.99Hz Lamp Flux:31091.2x1 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--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	108	104	100	93.4	84.9	75.2	64.4	53.2	42.0	31.4	22.2	14.9	9.43	5.50	3.77	2.26	0.72	0.55	
-75	218	214	207	196	181	165	147	126	104	82.4	61.8	42.9	27.0	15.0	7.63	3.52	1.31	0.57	
-70	327	321	310	292	271	249	221	190	158	125	93.4	64.0	39.1	20.9	9.34	3.74	1.34	0.55	
-65	439	432	420	401	376	349	317	279	238	196	152	110	71.7	40.7	19.0	6.70	2.05	0.57	
-60	548	539	523	500	471	437	398	353	301	250	194	140	90.3	50.3	22.1	6.69	1.87	0.57	
-55	632	623	608	587	559	525	485	437	382	324	260	196	134	79.0	37.7	12.8	2.71	0.59	
-50	713	703	687	664	634	598	553	499	440	373	300	226	154	88.7	40.8	12.5	2.34	0.61	
-45	778	769	753	730	701	665	621	568	508	439	363	282	199	123	60.4	20.6	3.53	0.62	
-40	839	829	811	786	755	716	669	614	550	475	393	304	213	129	60.5	18.6	2.86	0.65	
-35	888	878	862	838	807	769	723	669	606	533	449	357	259	166	84.3	29.3	4.80	0.65	
-30	933	922	904	879	846	806	757	699	634	559	469	372	267	168	80.7	25.3	3.63	0.69	
-25	966	956	940	916	884	845	797	741	676	602	515	414	308	202	105	37.1	6.11	0.67	
-20	996	985	966	941	907	866	816	757	689	611	523	415	306	195	96.3	30.5	4.43	0.72	
-15	1015	1006	989	965	933	894	845	788	721	645	558	455	341	228	121	43.0	7.02	0.69	
-10	1032	1021	1003	978	945	903	853	794	725	646	556	449	331	215	108	34.8	4.86	0.74	
-5	1038	1029	1013	990	958	918	869	812	744	667	579	477	357	243	130	46.1	7.71	0.70	
0	1042	1032	1015	990	956	915	864	805	735	655	564	458	336	220	111	35.5	5.39	0.76	
5	1038	1030	1014	990	958	918	870	812	745	668	579	477	357	243	130	46.0	7.69	0.72	
10	1032	1022	1004	979	945	904	853	794	725	646	556	449	331	216	108	34.6	4.87	0.78	
15	1016	1006	990	966	934	894	846	788	722	646	559	454	341	228	121	42.7	7.01	0.75	
20	997	985	967	942	908	867	817	758	690	612	523	414	305	195	96.0	30.3	4.51	0.80	
25	965	956	939	915	884	844	796	740	675	601	513	412	306	201	104	36.5	6.16	0.77	
30	931	920	902	877	844	804	755	697	631	557	466	369	264	166	78.8	24.6	4.13	0.82	
35	883	874	858	834	803	765	719	664	601	528	444	351	255	163	81.8	28.2	5.13	0.79	
40	833	822	805	780	748	709	663	608	543	468	386	297	207	124	57.7	17.5	3.64	0.83	
45	767	758	742	720	691	654	610	557	497	427	352	272	191	117	56.9	19.2	4.21	0.80	
50	699	688	672	649	620	584	538	483	424	358	287	214	145	82.4	37.4	11.4	3.14	0.84	
55	611	602	587	565	538	505	464	415	362	305	243	182	123	71.6	33.8	11.5	3.44	0.81	
60	521	511	495	471	443	411	372	327	278	228	175	125	79.7	43.7	18.8	6.15	2.31	0.84	
65	405	399	387	368	345	318	286	251	212	174	133	95.1	61.1	34.3	15.7	6.02	2.41	0.82	
70	288	282	271	255	236	214	187	161	131	103	75.3	50.3	30.6	16.3	7.28	3.75	1.08	0.84	
75	181	177	171	161	149	134	118	100	82.2	64.8	47.7	32.7	20.4	11.7	6.05	3.16	1.29	0.83	
80	72.5	70.2	67.1	62.3	56.4	48.6	40.7	33.1	26.1	19.7	13.8	9.45	6.13	4.40	3.23	1.67	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( $\beta$ ) 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: