

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	725.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	161.4V x 140.9H
	At 50% of Imax	39.4V x 117.6H
	At 90% of Imax	12.0V x 101.9H

Beam Flux	Total	998.2 lumens per klm.
	To 10% of Imax	897.8 lumens per klm.
	To 50% of Imax	521.6 lumens per klm.
	To 90% of Imax	56.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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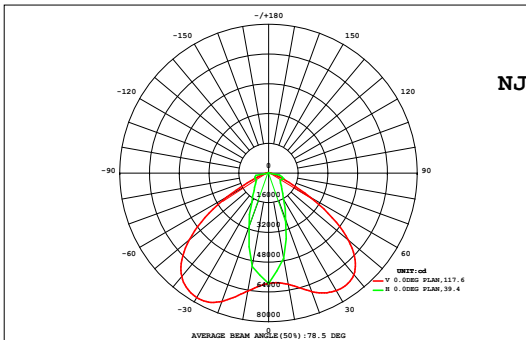
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 2019

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:220.00V I:3.7753A P:818.50W PF:0.9855 Freq:49.99Hz Lamp Flux:106647x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:130.30lm/W	
NJZ-EMERGO-V01-RZ-32-PC-U-GR		Imax(cd)	77317
NOMINAL POWER(W)	840	AVAILABILITY(%)	89.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	95919
NOMINAL FLUX(lm)	106647	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	106647
TEST VOLTAGE(V)	220	θ @50%(H,V)	118,39DEG

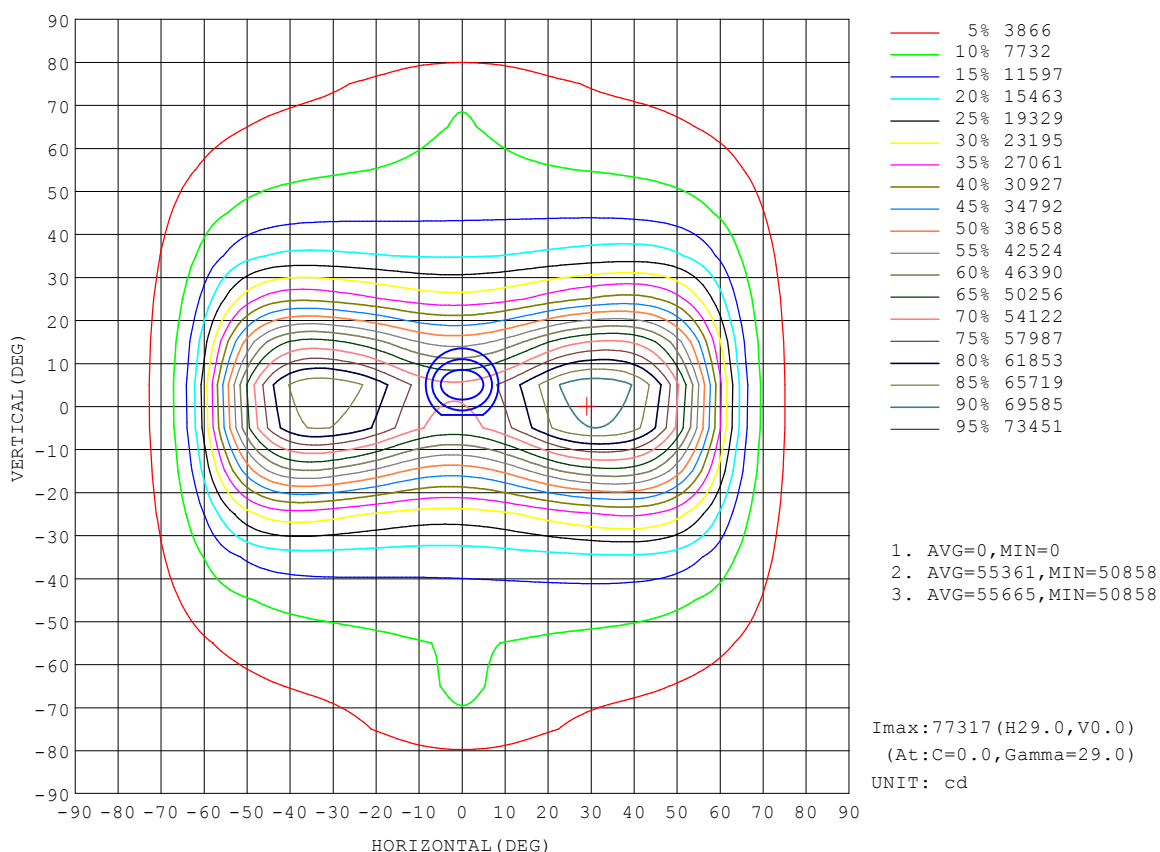
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.35	4.90	17.2	36.5	61.1	89.1	130	202	269	266	197	130	93.4	67.4	42.5	22.0	7.82	0.92	1639	465
70	0.75	9.12	29.1	58.9	92.7	123	154	196	235	232	191	156	128	98.4	64.8	33.8	11.8	1.48	1816	189
60	1.25	13.6	43.9	89.0	135	174	206	232	247	247	234	211	181	144	97.6	50.2	16.6	2.01	2324	882
50	1.70	18.2	61.9	132	200	252	287	309	322	323	315	296	263	213	146	70.6	21.5	2.51	3234	2922
40	2.10	22.1	83.5	204	322	391	425	442	449	454	454	444	413	349	232	96.8	25.5	2.90	4812	4654
30	2.37	24.9	110	340	586	709	743	736	721	731	765	789	759	637	390	132	29.0	3.20	8208	8090
20	2.55	27.1	141	536	1001	1264	1333	1286	1227	1253	1356	1429	1347	1065	597	171	31.5	3.37	14071	13970
10	2.59	28.0	163	684	1330	1736	1874	1808	1725	1769	1921	2006	1822	1381	740	197	33.0	3.47	19222	19129
0	2.57	27.8	163	680	1318	1711	1837	1768	1690	1737	1887	1969	1788	1357	726	193	32.7	3.43	18890	18794
-10	2.37	26.2	137	513	944	1178	1229	1183	1139	1178	1284	1341	1250	986	553	161	30.9	3.29	13140	13038
-20	2.04	23.7	104	311	517	601	612	609	611	632	667	683	661	557	342	119	27.9	2.93	7083	6959
-30	1.55	20.2	75.9	174	258	310	344	367	381	387	382	366	336	283	192	86.7	24.4	2.44	3992	3812
-40	1.09	15.9	55.0	113	168	214	249	273	286	289	279	259	227	181	124	63.3	20.1	1.86	2817	2313
-50	0.69	10.9	37.1	75.2	116	151	183	212	232	233	215	189	160	125	85.4	44.9	15.1	1.44	2086	298
-60	0.38	6.44	22.8	47.0	77.0	104	136	180	224	223	180	139	111	85.6	56.0	29.6	9.87	1.06	1634	174
-70	0.17	2.76	11.1	24.6	43.3	65.1	96.9	157	227	224	154	99.3	71.0	50.8	32.0	16.9	5.60	0.68	1282	231
-80	0.04	0.23	1.44	4.09	8.30	15.9	31.1	57.1	79.6	76.0	51.5	29.8	17.9	11.6	7.02	3.65	1.17	0.17	397	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	24.6	282	1257	4022	7177	9089	9872	10016	10066	10252	10530	10535	9630	7592	4427	1492	344	37.2	106647	---
Φ a	0.00	0.00	699	3502	6549	8379	9043	9020	9266	9407	9542	9719	8946	6986	3900	962	0.00	0.00	---	95919

one-half-peak spread: U:18.5,D:21.2 , L:24.8,R:29.9 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Temperature:25.3DEG	Humidity:65.0%
Operators:CL	Test Distance:6.010m [K=1.0000]
Test Date:06 November 2019	Remarks:

### ISOCANDELA DIAGRAM

Test:U:220.00V I:3.7753A P:818.50W PF:0.9855 Freq:49.99Hz Lamp Flux:106647x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

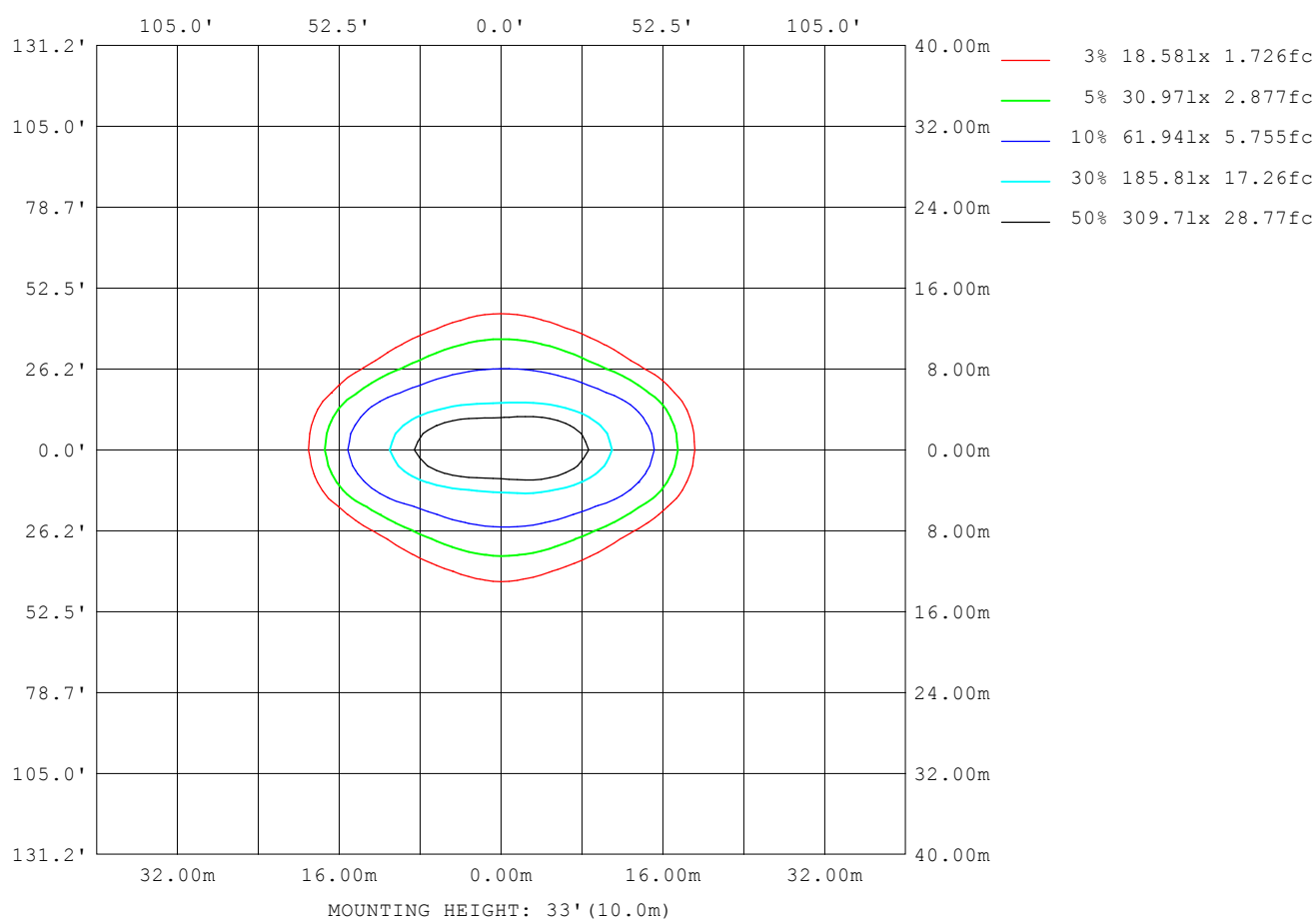


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 2019

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

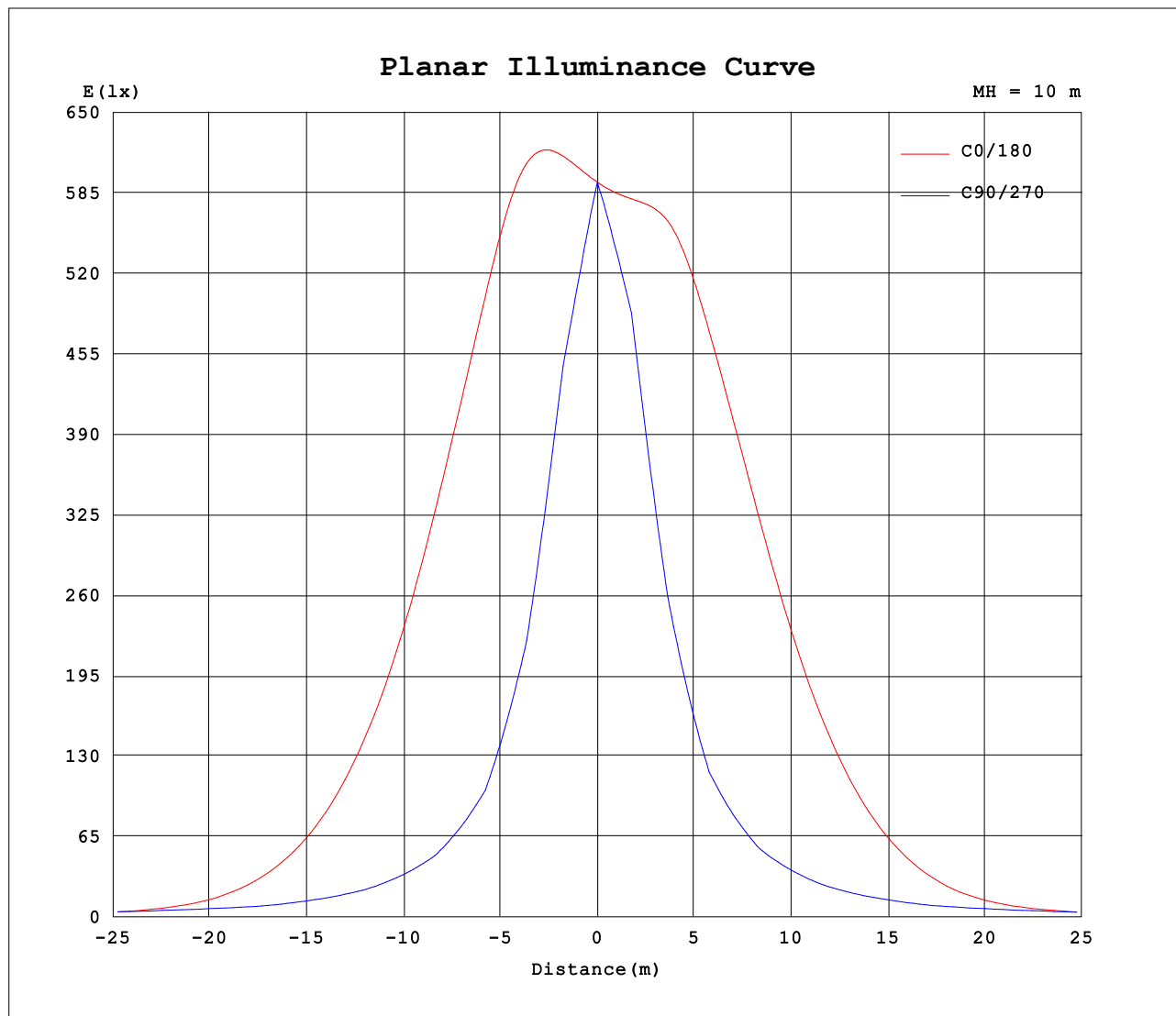
Test:U:220.00V I:3.7753A P:818.50W PF:0.9855 Freq:49.99Hz Lamp Flux:106647x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:06 November 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



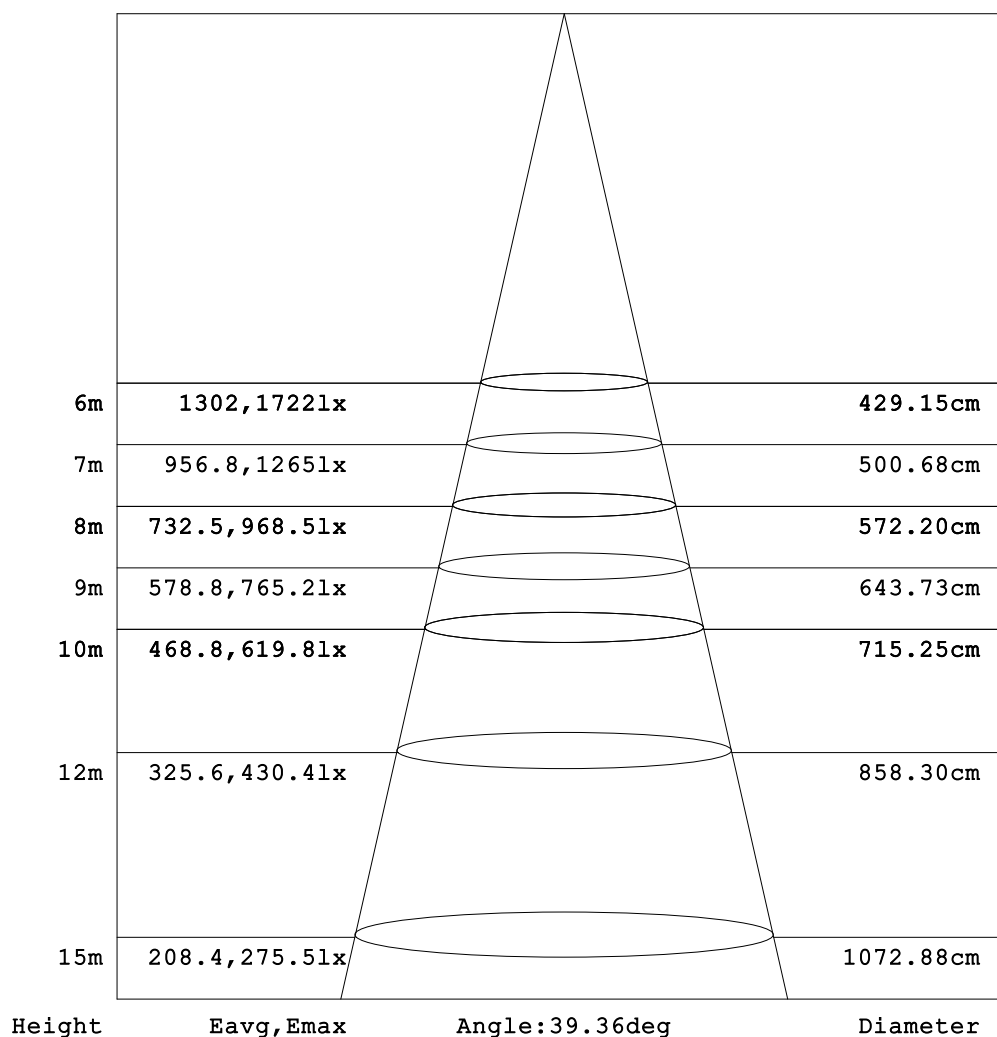
$H(\beta)$  Range: -90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: CL  
 Test Date: 06 November 2019

$V(B)$  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:220.00V I:3.7753A P:818.50W PF:0.9855 Freq:49.99Hz Lamp Flux:106647x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:19512 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: 06 November 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:220.00V I:3.7753A P:818.50W PF:0.9855 Freq:49.99Hz Lamp Flux:106647x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	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	2.35	3.61	5.59	12.5	25.5	41.5	58.7	76.5	95.1	116	139	168	206	261	332	426	524	590	608
-75	2.20	3.78	10.3	28.8	55.0	81.5	109	137	165	196	225	254	288	337	405	501	615	707	741
-70	2.34	5.60	19.8	55.1	95.2	132	171	208	247	288	322	351	387	437	511	621	750	848	872
-65	2.20	5.60	25.9	70.6	122	171	221	268	316	361	396	424	455	496	549	621	705	774	800
-60	2.34	10.4	45.7	107	169	230	290	347	403	449	482	508	537	574	613	654	692	719	727
-55	2.20	9.11	48.7	122	198	277	356	431	496	547	586	617	645	673	702	732	760	781	790
-50	2.33	17.9	76.6	168	258	356	453	543	611	662	703	737	764	784	803	822	838	849	853
-45	2.24	14.9	76.8	177	282	404	538	659	752	817	863	896	919	934	945	955	965	973	978
-40	2.42	27.9	115	228	352	507	674	817	921	993	1038	1066	1081	1088	1092	1093	1095	1100	1105
-35	2.33	21.3	108	225	361	549	784	1027	1209	1316	1363	1376	1373	1364	1353	1343	1337	1336	1343
-30	2.55	37.0	149	271	436	679	995	1323	1550	1667	1697	1688	1662	1635	1610	1590	1577	1574	1584
-25	2.44	28.2	136	260	432	714	1163	1731	2185	2451	2548	2532	2454	2367	2286	2208	2149	2124	2133
-20	2.68	52.6	171	306	520	895	1554	2347	2957	3299	3407	3352	3211	3065	2928	2798	2706	2672	2693
-15	2.57	38.6	151	283	491	881	1664	2740	3656	4256	4558	4619	4524	4362	4167	3942	3760	3664	3664
-10	2.83	66.1	180	325	585	1096	2194	3541	4648	5381	5766	5866	5778	5587	5317	5002	4760	4642	4659
-5	2.64	47.1	159	297	531	1006	2076	3581	4906	5839	6386	6588	6559	6396	6117	5758	5462	5298	5283
0	3.04	70.3	187	338	620	1218	2547	4200	5601	6578	7135	7328	7293	7112	6777	6379	6076	5925	5938
5	2.70	49.1	161	301	538	1025	2130	3678	5046	6019	6596	6821	6812	6662	6382	6012	5702	5529	5509
10	3.24	69.5	185	333	602	1143	2318	3753	4944	5753	6198	6340	6289	6122	5843	5505	5236	5099	5110
15	2.82	47.6	158	294	512	929	1790	2971	3987	4673	5044	5153	5093	4944	4735	4474	4248	4120	4103
20	3.30	66.6	180	321	551	967	1719	2637	3358	3789	3971	3964	3846	3694	3526	3341	3192	3116	3117
25	2.94	43.3	149	277	461	773	1293	1963	2512	2849	2994	3003	2932	2834	2730	2618	2521	2466	2459
30	3.31	58.6	165	292	472	746	1126	1538	1836	1993	2039	2022	1980	1934	1890	1850	1820	1805	1809
35	3.06	37.0	133	248	396	608	886	1186	1418	1556	1614	1623	1609	1587	1564	1542	1525	1516	1518
40	3.36	50.1	144	255	393	571	768	942	1070	1153	1199	1221	1228	1230	1228	1226	1225	1226	1230
45	3.18	29.1	111	207	322	462	617	760	868	944	994	1025	1043	1054	1060	1065	1071	1076	1080
50	3.40	37.2	114	201	302	414	528	628	701	758	804	839	863	881	894	907	919	927	931
55	3.31	20.0	83.4	157	240	330	424	509	579	632	673	706	732	756	779	802	823	838	845
60	3.48	24.2	81.4	144	212	285	356	421	480	524	557	584	611	640	672	705	734	753	758
65	3.42	11.9	53.7	106	161	219	278	333	385	428	463	491	520	554	599	654	714	762	782
70	3.54	11.9	46.3	88.3	132	177	223	267	309	348	381	410	441	484	546	627	716	785	804
75	3.53	6.42	25.1	54.8	87.4	122	156	191	225	258	287	316	351	399	466	560	661	732	757
80	3.60	5.22	15.0	34.0	56.2	79.6	104	129	155	180	206	236	278	337	419	534	641	697	708
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:06 November 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:220.00V I:3.7753A P:818.50W PF:0.9855 Freq:49.99Hz Lamp Flux:106647x1 lm		
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SPEC.:840W	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	574	499	404	320	262	219	189	169	151	134	116	98.8	82.2	64.6	42.3	25.3	14.3	5.32	
-75	710	623	513	421	358	314	284	261	239	214	188	161	135	107	72.7	40.5	22.6	6.67	
-70	818	704	582	491	434	396	369	345	318	284	249	213	176	137	88.7	47.1	23.3	4.50	
-65	776	710	630	564	516	482	457	435	408	373	331	286	237	186	128	67.7	34.1	6.93	
-60	713	684	649	614	583	557	536	515	486	447	395	340	278	214	141	71.3	32.2	3.76	
-55	785	769	746	722	700	679	659	635	604	563	508	439	359	275	192	102	45.2	6.84	
-50	852	845	834	821	808	794	773	744	706	659	596	508	406	303	209	100	41.1	2.59	
-45	981	982	981	978	975	969	956	932	895	839	759	647	509	371	254	143	53.5	6.46	
-40	1112	1119	1127	1135	1140	1139	1131	1108	1064	991	883	733	554	387	257	139	44.3	2.18	
-35	1356	1375	1399	1426	1451	1473	1487	1484	1449	1360	1198	964	695	468	303	180	61.8	6.17	
-30	1606	1640	1682	1727	1773	1814	1846	1853	1808	1676	1430	1086	736	472	296	171	49.5	1.71	
-25	2176	2257	2366	2484	2588	2677	2746	2759	2676	2451	2047	1491	929	565	342	202	78.2	5.76	
-20	2773	2913	3097	3285	3441	3574	3662	3651	3480	3095	2460	1655	946	548	323	184	62.6	1.43	
-15	3761	3952	4216	4502	4729	4865	4914	4837	4559	4027	3214	2181	1204	653	371	215	95.3	5.50	
-10	4810	5087	5452	5824	6085	6190	6159	5949	5468	4681	3579	2279	1165	615	345	196	80.4	1.23	
-5	5417	5692	6079	6505	6830	6956	6914	6689	6177	5330	4153	2731	1410	710	389	223	102	5.85	
0	6112	6438	6877	7342	7658	7729	7614	7276	6601	5564	4182	2604	1259	640	350	197	80.9	0.38	
5	5643	5921	6317	6756	7094	7220	7166	6919	6375	5487	4266	2798	1433	716	391	224	102	6.50	
10	5263	5548	5932	6333	6614	6715	6656	6399	5848	4975	3786	2395	1199	624	348	197	81.0	0.33	
15	4197	4394	4680	5003	5268	5421	5467	5360	5020	4400	3487	2347	1261	670	377	218	99.6	6.67	
20	3194	3343	3556	3795	4000	4163	4264	4228	3988	3506	2756	1824	998	564	329	188	76.8	0.53	
25	2499	2585	2713	2863	3002	3119	3206	3220	3108	2826	2334	1670	996	588	350	206	94.0	6.39	
30	1832	1872	1927	1990	2054	2115	2168	2190	2146	1984	1668	1225	789	492	304	176	71.8	0.68	
35	1531	1553	1585	1621	1658	1693	1721	1730	1699	1595	1391	1089	752	492	313	188	85.2	5.95	
40	1237	1246	1256	1267	1277	1283	1282	1266	1224	1142	1007	813	597	407	266	155	62.5	1.12	
45	1083	1085	1087	1088	1089	1087	1078	1058	1021	958	863	722	554	394	265	162	73.3	5.44	
50	930	925	918	910	901	889	868	838	797	742	669	566	443	324	220	130	51.9	1.63	
55	841	829	812	794	777	760	740	714	681	635	573	492	396	298	208	129	59.1	5.03	
60	749	727	700	672	646	623	602	579	548	506	447	381	308	234	163	99.0	37.8	2.19	
65	763	714	657	607	569	539	516	492	463	425	377	323	266	205	147	93.6	42.1	4.67	
70	761	679	593	525	478	445	420	395	364	326	286	244	199	153	109	67.6	23.8	2.74	
75	730	660	563	473	410	366	336	312	286	256	224	191	157	123	89.8	55.9	23.9	4.33	
80	677	605	494	391	322	273	242	219	197	173	148	124	101	79.2	57.5	30.8	11.9	3.35	
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:06 November 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: