

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	645.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	161.3V x 143.1H
	At 50% of Imax	44.1V x 120.3H
	At 90% of Imax	15.0V x 104.4H

Beam Flux	Total	997.6 lumens per klm.
	To 10% of Imax	924.8 lumens per klm.
	To 50% of Imax	548.7 lumens per klm.
	To 90% of Imax	80.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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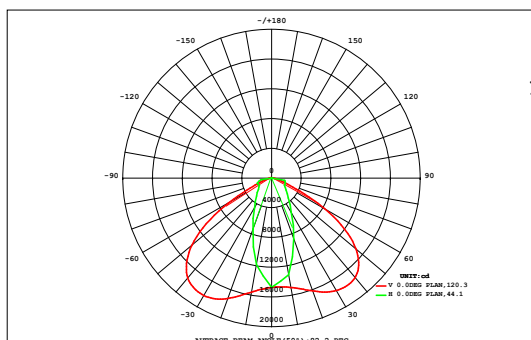
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 October 2019

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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:120.02V I:1.6442A P:193.77W PF:0.9820 Freq:59.98Hz Lamp Flux:28251.8x1 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:145.80lm/W	
NJZMODEL200-V01-RZ-32-PC-BL		Imax(cd)	18240
NOMINAL POWER(W)	200	AVAILABILITY(%)	92.6
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	26158
NOMINAL FLUX(lm)	28251.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	28252
TEST VOLTAGE(V)	120	θ @50% (H,V)	120,44DEG

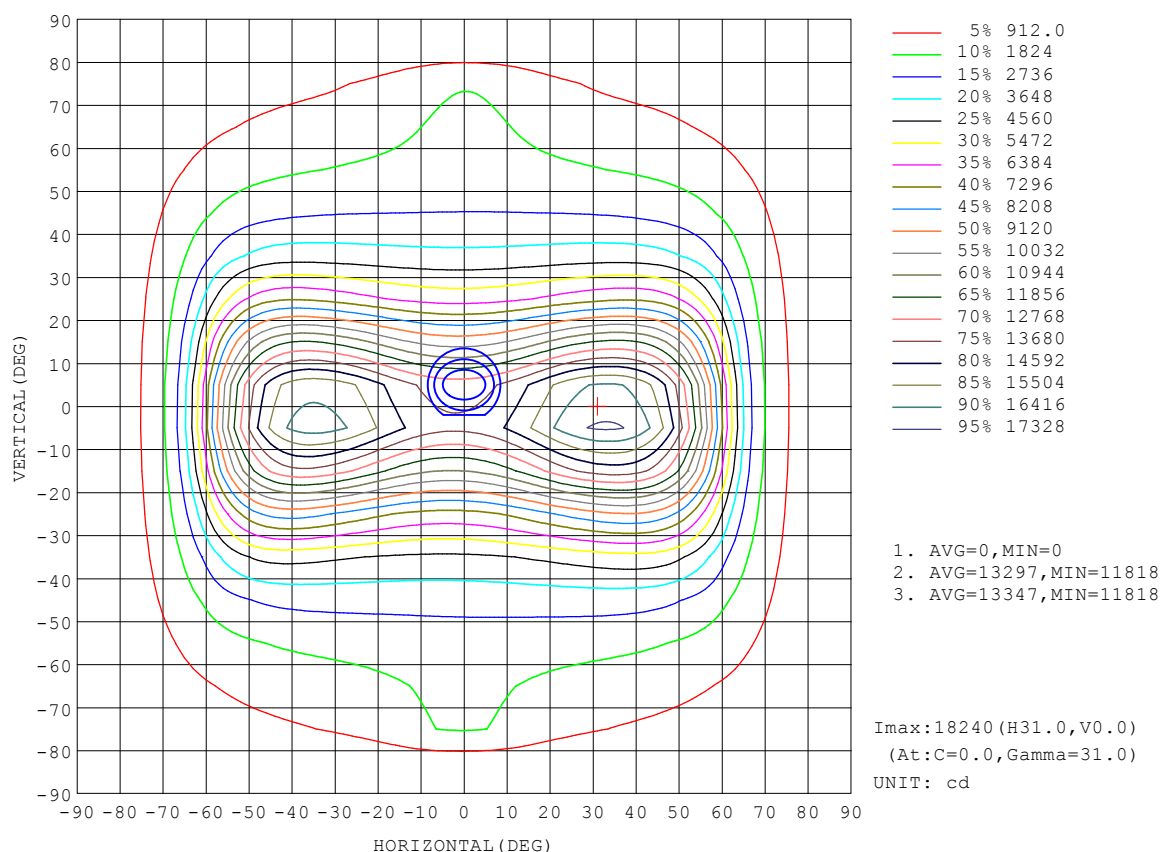
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.13	1.49	4.50	8.94	14.6	21.0	30.2	45.3	60.0	60.0	45.1	29.9	20.7	14.3	8.62	4.21	1.31	0.11	370	103
70	0.28	2.64	7.83	15.1	23.4	30.9	39.1	50.4	62.0	61.8	50.1	38.8	30.8	23.2	14.9	7.57	2.48	0.23	461	142
60	0.43	3.96	12.1	23.5	34.8	44.3	52.5	59.0	62.4	62.2	58.6	52.2	44.0	34.4	23.0	11.7	3.76	0.38	583	342
50	0.58	5.34	17.5	35.6	52.0	64.7	73.5	79.1	81.9	81.9	79.1	73.4	64.2	51.1	34.6	16.9	5.10	0.51	817	755
40	0.70	6.53	24.2	55.6	83.0	99.1	108	113	115	115	113	108	98.4	81.1	53.7	23.2	6.24	0.62	1204	1171
30	0.78	7.49	33.2	92.6	145	170	177	178	177	178	180	180	170	142	88.8	31.5	7.12	0.70	1958	1934
20	0.84	8.32	44.6	145	242	290	302	294	287	290	303	312	294	238	139	41.3	7.75	0.74	3241	3219
10	0.86	8.79	53.9	190	327	407	431	420	410	416	438	451	416	326	183	49.4	8.14	0.77	4537	4517
0	0.86	8.90	56.4	201	348	433	460	449	440	449	473	486	448	348	193	50.7	8.13	0.76	4854	4834
-10	0.83	8.50	49.7	169	284	344	358	349	343	353	375	387	362	288	163	44.7	7.80	0.74	3888	3868
-20	0.78	7.83	38.5	116	182	208	211	208	208	214	227	234	225	187	110	34.2	7.14	0.68	2418	2394
-30	0.68	6.86	27.6	67.8	98.1	111	118	123	126	128	129	127	120	102	65.5	25.3	6.33	0.59	1383	1353
-40	0.55	5.78	19.9	41.0	58.5	71.1	79.9	85.7	89.0	89.6	87.3	82.1	73.3	59.6	39.8	18.5	5.31	0.47	907	862
-50	0.40	4.42	13.8	26.6	38.6	48.8	57.0	63.3	67.0	67.1	63.5	57.5	49.1	38.5	26.0	13.1	4.08	0.33	639	482
-60	0.26	3.02	9.04	17.2	26.0	33.8	41.9	51.0	58.0	57.6	50.2	41.3	33.5	25.6	16.6	8.50	2.72	0.20	477	118
-70	0.14	1.77	5.24	10.2	16.2	22.6	31.1	44.6	56.3	55.1	42.4	29.8	21.8	15.6	9.62	4.75	1.49	0.09	369	63.5
-80	0.05	0.52	1.47	2.90	4.91	7.58	12.3	20.8	26.3	25.0	17.4	10.2	6.50	4.11	2.25	0.98	0.23	0.01	144	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	9.14	92.2	420	1218	1978	2408	2583	2633	2669	2704	2732	2699	2477	1979	1173	386	85.1	7.94	28252	---
Φ a	0.00	3.33	308	1107	1844	2258	2405	2446	2595	2623	2539	2523	2331	1847	1062	268	0.38	0.00	---	26158

one-half-peak spread: U:24.2,D:20.3 , L:26.1,R:28.3 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:19 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:120.02V I:1.6442A P:193.77W PF:0.9820 Freq:59.98Hz Lamp Flux:28251.8x1 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

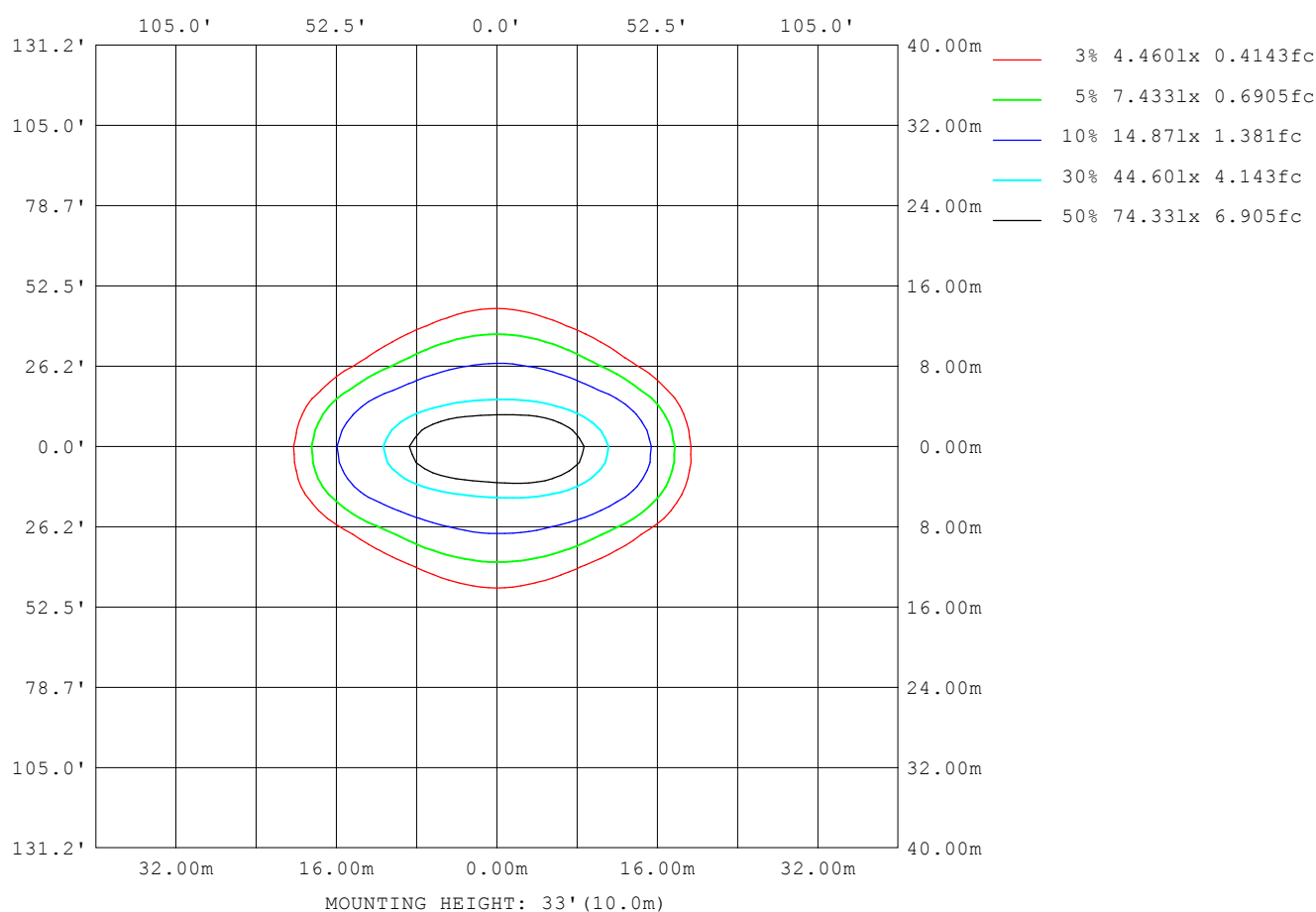


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Remarks:

### ISOLUX DIAGRAM

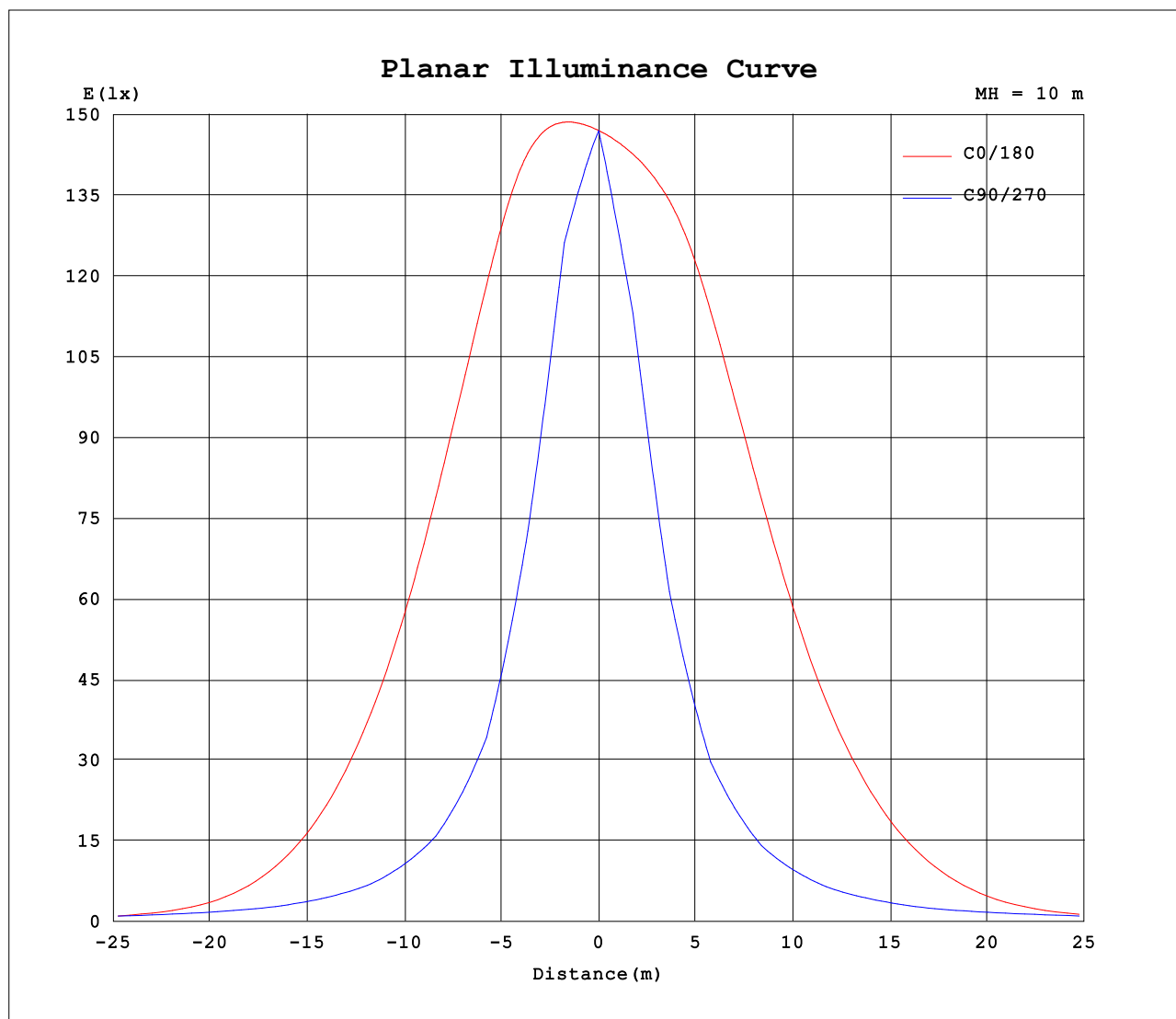
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SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
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Test Speed: HIGH  
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Test Date:19 October 2019

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Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



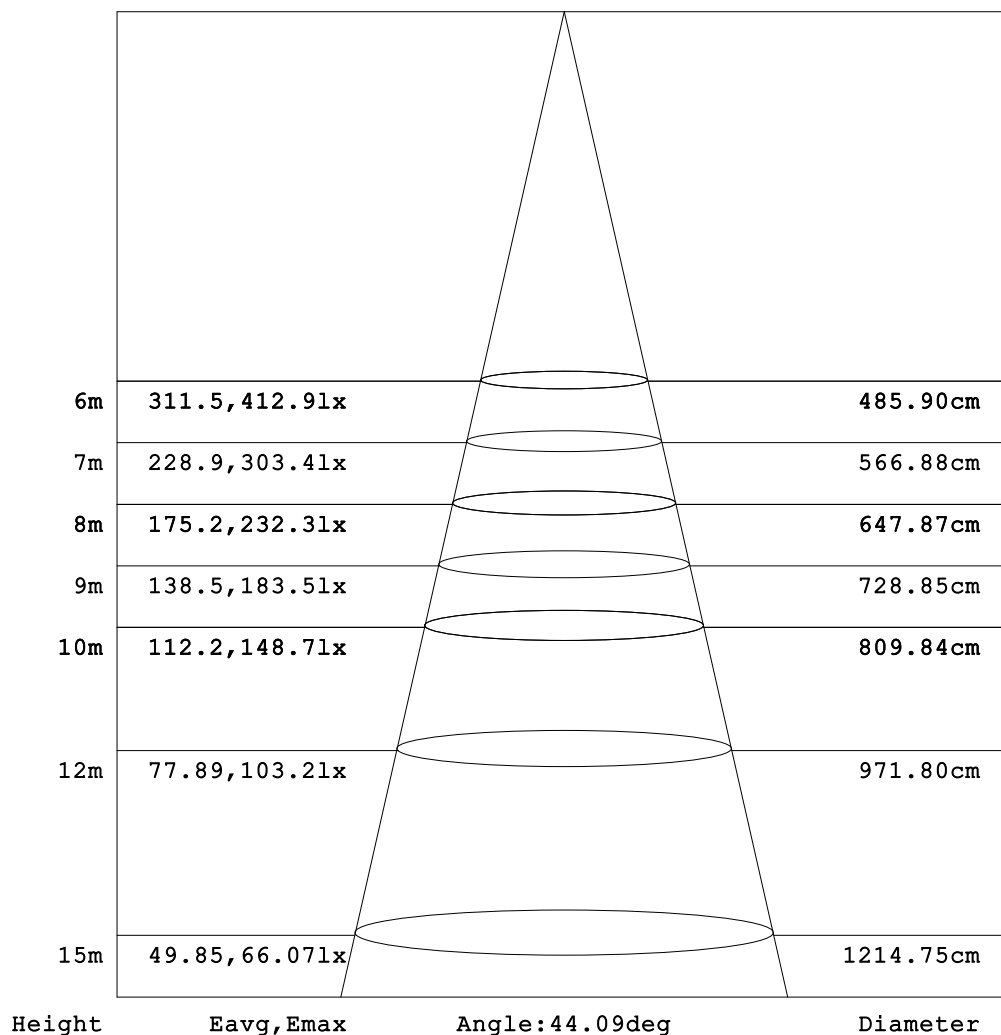
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Remarks:

### AAI Figure

Test:U:120.02V I:1.6442A P:193.77W PF:0.9820 Freq:59.98Hz Lamp Flux:28251.8x1 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:6045 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:19 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:120.02V I:1.6442A P:193.77W PF:0.9820 Freq:59.98Hz Lamp Flux:28251.8x1 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	0.64	2.00	8.06	15.4	21.7	28.2	34.8	41.4	48.3	55.5	62.5	70.2	80.7	95.9	117	145	168	179	180
-75	0.53	2.03	9.88	20.7	30.0	39.7	49.3	58.3	67.0	75.5	83.1	90.3	99.3	112	129	151	172	185	189
-70	0.63	3.94	16.4	29.7	42.2	55.0	67.4	78.7	89.2	98.7	106	114	122	134	148	165	183	195	198
-65	0.50	3.57	17.9	34.7	51.1	68.3	84.7	99.3	112	123	131	138	145	154	164	176	188	197	201
-60	0.68	6.88	27.0	46.0	66.8	88.4	108	125	140	150	158	165	171	178	185	192	198	202	203
-55	0.51	5.60	27.2	50.0	75.3	103	131	155	173	185	194	201	207	212	216	221	225	227	228
-50	0.71	10.3	37.2	63.4	94.6	130	165	193	212	225	234	240	244	247	249	251	252	253	254
-45	0.52	8.06	36.0	64.6	100	146	197	242	271	288	296	300	301	302	302	302	302	303	304
-40	0.79	14.6	45.8	78.6	123	182	249	305	339	355	361	361	359	357	354	353	352	352	354
-35	0.53	11.0	42.4	75.9	123	196	295	394	456	483	486	479	469	459	451	444	440	438	440
-30	0.88	19.3	51.0	89.2	149	245	385	512	589	615	610	594	576	559	544	533	526	524	527
-25	0.54	14.9	46.5	84.3	145	255	444	639	775	843	860	844	814	781	749	722	704	697	700
-20	0.99	23.7	55.4	98.6	177	328	588	829	999	1085	1107	1084	1040	991	942	902	877	869	876
-15	0.57	18.1	49.2	90.2	164	315	609	914	1146	1283	1343	1346	1314	1264	1206	1151	1113	1094	1096
-10	1.05	24.6	57.2	104	195	397	762	1107	1362	1517	1589	1599	1570	1515	1446	1382	1338	1317	1321
-5	0.60	19.1	50.5	93.2	174	352	712	1087	1375	1561	1658	1684	1666	1616	1545	1475	1423	1395	1393
0	1.09	25.1	58.4	106	203	423	821	1201	1478	1658	1747	1768	1746	1691	1615	1544	1494	1469	1471
5	0.47	19.1	50.4	92.9	173	345	688	1045	1319	1495	1587	1612	1594	1547	1479	1410	1358	1329	1325
10	1.43	24.5	57.1	103	191	378	706	1017	1245	1383	1446	1454	1428	1378	1314	1252	1207	1185	1185
15	0.39	18.4	48.9	89.3	160	298	553	818	1016	1133	1184	1187	1162	1121	1072	1023	986	965	961
20	1.40	23.5	54.9	96.8	170	302	513	711	846	913	929	914	882	846	810	776	753	740	740
25	0.50	17.0	45.9	82.7	140	236	386	539	647	702	719	711	692	669	646	625	609	600	598
30	1.29	21.2	50.1	86.7	141	222	326	419	477	504	508	503	493	483	474	466	461	458	457
35	0.59	15.0	41.3	73.4	117	178	254	325	373	399	408	409	406	401	396	392	388	386	386
40	1.20	18.4	44.2	75.1	114	163	214	255	283	300	310	314	316	317	317	316	315	315	315
45	0.67	12.3	34.7	61.2	93.0	131	171	206	230	246	256	263	268	270	272	273	274	275	275
50	1.11	14.5	35.2	59.1	86.5	115	144	168	184	197	207	215	220	224	228	231	233	235	235
55	0.74	8.80	26.5	46.2	68.3	91.8	115	135	151	163	172	180	186	192	198	204	209	213	214
60	1.06	10.2	25.4	41.7	59.5	77.7	94.3	109	123	133	141	148	155	162	171	179	186	191	193
65	0.81	4.97	17.9	31.1	45.0	59.5	73.4	85.9	97.9	108	116	123	130	139	151	166	182	196	202
70	1.03	4.47	15.6	25.8	36.4	47.1	57.6	67.5	77.3	86.5	94.1	101	109	121	137	159	184	204	210
75	0.89	2.24	9.07	16.8	24.4	32.3	40.0	47.5	55.0	62.6	69.4	76.0	84.1	95.1	110	131	153	171	178
80	0.98	1.67	5.78	10.9	15.6	20.5	25.5	30.5	35.8	41.4	47.2	53.9	62.7	74.8	90.7	111	131	143	146
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:19 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:120.02V I:1.6442A P:193.77W PF:0.9820 Freq:59.98Hz Lamp Flux:28251.8x1 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	172	155	127	102	85.1	72.9	64.1	57.0	50.0	42.8	35.9	29.3	22.7	16.2	10.1	3.71	0.98	0.65	
-75	183	168	146	125	109	97.3	88.7	81.6	74.1	65.6	56.8	47.8	38.1	28.4	19.2	9.55	2.08	0.68	
-70	190	174	156	140	128	118	110	103	94.9	84.8	74.1	62.4	49.7	36.9	24.7	11.4	1.97	0.60	
-65	197	187	175	164	154	145	138	131	123	113	99.4	84.7	68.4	51.1	34.8	19.1	4.36	0.66	
-60	201	196	190	183	176	170	163	156	147	135	119	101	80.2	58.6	38.8	19.5	3.46	0.62	
-55	228	225	222	218	214	210	205	198	188	175	157	133	104	76.3	51.1	29.0	7.15	0.68	
-50	254	254	253	252	251	248	243	235	224	208	186	153	117	83.4	54.1	28.9	5.38	0.65	
-45	305	306	308	310	312	312	311	307	297	277	246	200	148	102	66.2	37.7	10.3	0.69	
-40	356	360	364	368	373	376	378	375	363	336	289	225	159	105	66.0	35.9	7.42	0.65	
-35	445	453	463	476	489	501	512	516	505	470	401	301	200	126	78.1	44.3	14.4	0.72	
-30	536	550	568	588	610	631	648	654	638	582	478	334	207	125	75.2	40.9	10.6	0.63	
-25	714	739	773	812	849	881	903	907	877	798	654	455	263	149	87.0	48.8	18.3	0.76	
-20	900	940	994	1052	1102	1142	1164	1153	1093	966	758	489	261	142	81.3	43.8	13.8	0.67	
-15	1119	1163	1225	1295	1357	1398	1415	1396	1322	1179	942	631	328	169	93.4	51.8	20.5	0.80	
-10	1352	1407	1483	1565	1631	1665	1665	1620	1504	1312	1011	638	310	157	85.8	46.1	15.6	0.70	
-5	1418	1468	1542	1627	1701	1740	1744	1703	1593	1404	1112	737	367	180	96.7	53.2	21.2	0.84	
0	1500	1556	1635	1722	1792	1823	1814	1754	1619	1396	1071	673	321	159	86.6	46.4	15.7	0.74	
5	1347	1392	1460	1539	1608	1646	1649	1611	1512	1331	1059	707	357	178	96.5	53.3	21.2	0.91	
10	1208	1253	1316	1386	1444	1476	1477	1438	1345	1174	914	588	296	155	85.6	46.1	15.6	0.75	
15	974	1005	1050	1103	1152	1187	1201	1187	1131	1013	821	564	306	165	92.9	51.8	20.5	0.97	
20	750	772	804	841	876	906	925	921	880	790	634	427	243	139	80.9	43.9	14.5	0.79	
25	603	615	634	656	679	699	713	713	691	635	533	388	240	144	86.2	48.8	19.1	0.97	
30	460	465	472	481	489	497	503	501	486	448	382	285	191	121	74.6	40.9	13.3	0.82	
35	387	390	394	398	403	406	407	404	392	366	321	254	181	120	76.6	43.8	16.8	0.97	
40	315	316	317	318	317	316	312	304	290	269	237	194	144	99.7	64.4	35.2	10.9	0.86	
45	275	275	274	272	271	268	263	255	244	227	204	171	133	95.1	63.2	36.4	13.6	0.96	
50	234	233	230	227	223	218	211	202	191	178	159	133	105	76.6	50.6	27.9	8.06	0.89	
55	213	210	204	199	193	186	180	172	163	151	135	115	92.5	69.2	47.1	27.3	9.83	0.97	
60	190	185	177	168	160	152	145	139	130	118	104	88.1	70.5	52.4	35.3	19.4	4.78	0.93	
65	198	185	169	153	141	131	124	117	109	98.6	86.2	73.4	59.5	45.0	31.0	17.9	5.35	0.97	
70	201	179	154	132	117	107	99.2	92.3	84.1	74.0	63.8	53.4	42.6	31.8	21.3	11.2	1.99	0.95	
75	173	157	134	112	96.4	84.7	76.2	69.5	62.7	55.0	47.1	39.4	31.5	23.6	16.0	8.52	2.10	0.99	
80	140	126	105	85.1	70.1	58.7	50.4	44.1	38.3	32.7	27.4	22.2	17.2	12.3	7.71	2.90	1.14	0.97	
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:19 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: