

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	545.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	132.7V x 128.4H
	At 50% of Imax	85.6V x 79.8H
	At 90% of Imax	48.2V x 46.1H

Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	933.0 lumens per klm.
	To 50% of Imax	674.5 lumens per klm.
	To 90% of Imax	274.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

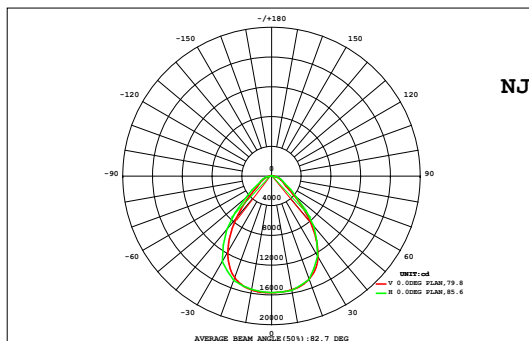
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:19 October 2019

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.02V I:0.8735A P:188.50W PF:0.9808 Freq:49.99Hz Lamp Flux:28774.9x1 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:152.65lm/W	
NJZ- FMGD210 -V01-RZ-90-PC-U-GR		Imax(cd)	15685
NOMINAL POWER(W)	200	AVAILABILITY(%)	93.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	26824
NOMINAL FLUX(lm)	28774.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	28775
TEST VOLTAGE(V)	220	θ @50% (H,V)	80,86DEG

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	0.15	1.67	5.05	9.74	15.4	21.1	26.2	29.8	31.9	31.9	29.8	26.1	20.8	14.9	9.18	4.41	1.23	0.08	279	0.00
70	0.29	2.87	8.56	15.9	23.7	31.9	39.6	45.2	48.0	48.1	45.3	39.8	31.8	23.4	15.3	8.00	2.49	0.18	430	132
60	0.42	4.09	11.9	21.8	33.0	45.8	61.5	78.5	90.0	90.2	79.1	62.1	46.1	33.0	21.5	11.6	3.83	0.31	695	575
50	0.55	5.09	14.5	26.7	42.5	70.4	117	167	198	197	166	116	70.9	42.9	26.6	14.2	4.85	0.43	1281	1210
40	0.65	5.92	16.6	31.2	57.6	123	219	302	343	341	297	215	122	57.9	31.2	16.4	5.63	0.53	2187	2136
30	0.73	6.53	18.3	35.6	82.8	190	311	397	434	431	390	303	184	81.5	35.7	18.0	6.21	0.61	2926	2885
20	0.79	6.96	19.4	39.9	109	236	361	436	465	463	431	352	228	105	39.8	19.1	6.55	0.65	3320	3283
10	0.81	7.14	20.0	42.8	121	255	377	447	473	473	446	373	248	117	42.3	19.6	6.70	0.68	3470	3435
0	0.80	7.13	19.9	42.5	119	250	372	443	473	474	445	368	243	114	41.5	19.5	6.60	0.67	3440	3405
-10	0.76	6.88	19.2	39.1	101	221	343	424	460	461	425	343	218	98.0	38.5	18.8	6.38	0.64	3224	3187
-20	0.71	6.51	18.1	35.3	78.4	175	289	373	413	414	372	285	170	74.6	34.6	17.6	5.97	0.58	2763	2721
-30	0.62	5.92	16.5	31.1	55.6	115	203	279	321	321	279	200	111	53.6	30.7	16.1	5.43	0.50	2045	1994
-40	0.52	5.21	14.7	27.2	43.1	70.5	117	167	198	198	165	114	67.3	42.1	26.8	14.2	4.72	0.40	1276	1208
-50	0.38	4.19	12.0	22.3	34.0	45.6	58.0	73.6	84.8	84.2	72.0	56.7	44.9	33.6	21.9	11.7	3.78	0.28	664	546
-60	0.26	2.94	8.71	16.4	24.8	33.5	40.8	44.5	45.8	45.7	44.4	40.5	33.1	24.4	16.0	8.31	2.55	0.16	433	106
-70	0.15	1.57	4.82	9.51	14.8	20.5	25.6	29.0	31.0	30.9	28.9	25.2	19.9	14.3	9.04	4.40	1.23	0.07	271	0.00
-80	0.05	0.36	1.13	2.31	3.94	5.55	6.86	7.98	8.83	8.65	7.71	6.55	5.09	3.43	1.83	0.72	0.14	0.01	71.1	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	8.64	81.0	229	449	960	1911	2968	3744	4118	4114	3722	2925	1865	934	442	223	74.3	6.79	28775	---
Φ a	0.00	0.00	49.7	317	843	1799	2855	3628	3999	3997	3604	2809	1752	818	310	42.0	0.00	0.00	---	26824

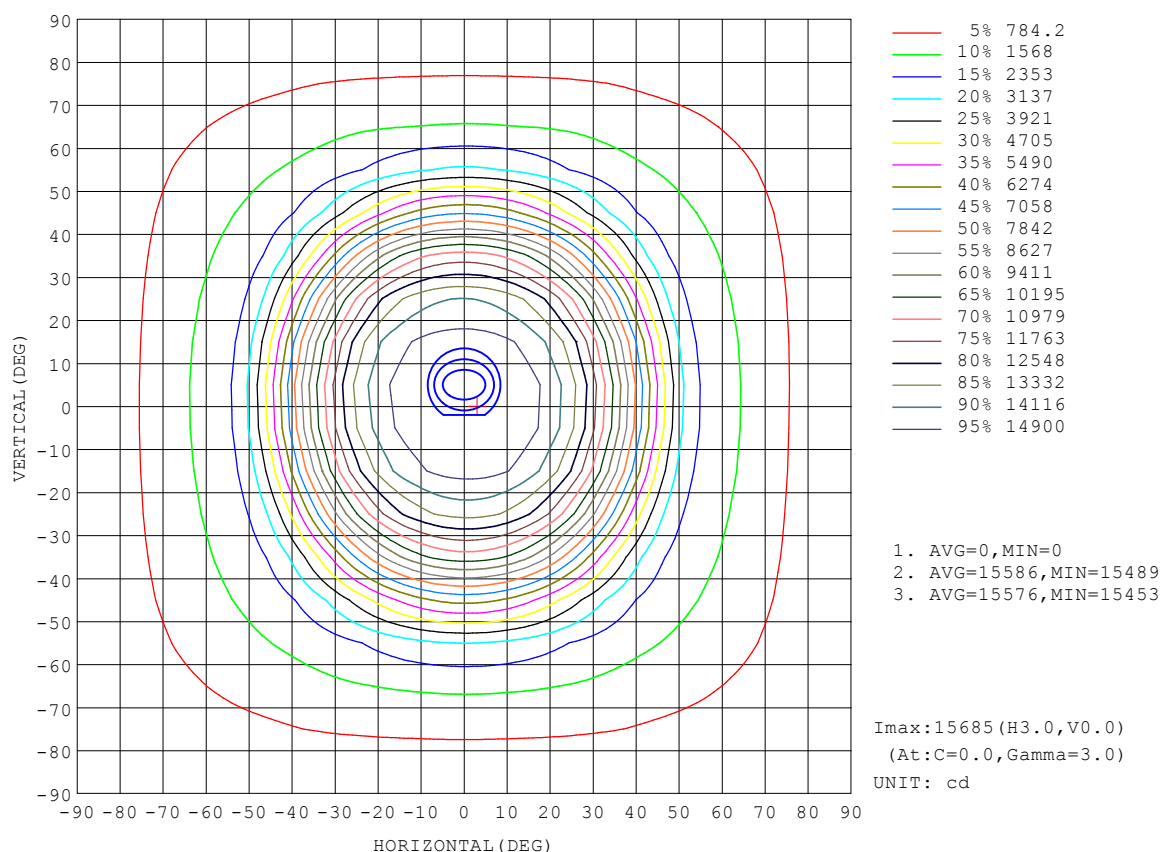
one-half-peak spread: U:42.5,D:43.5 , L:43.9,R:36.2,Beam Type: Type 6 x 7 (H x V)

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:220.02V I:0.8735A P:188.50W PF:0.9808 Freq:49.99Hz Lamp Flux:28774.9x1 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

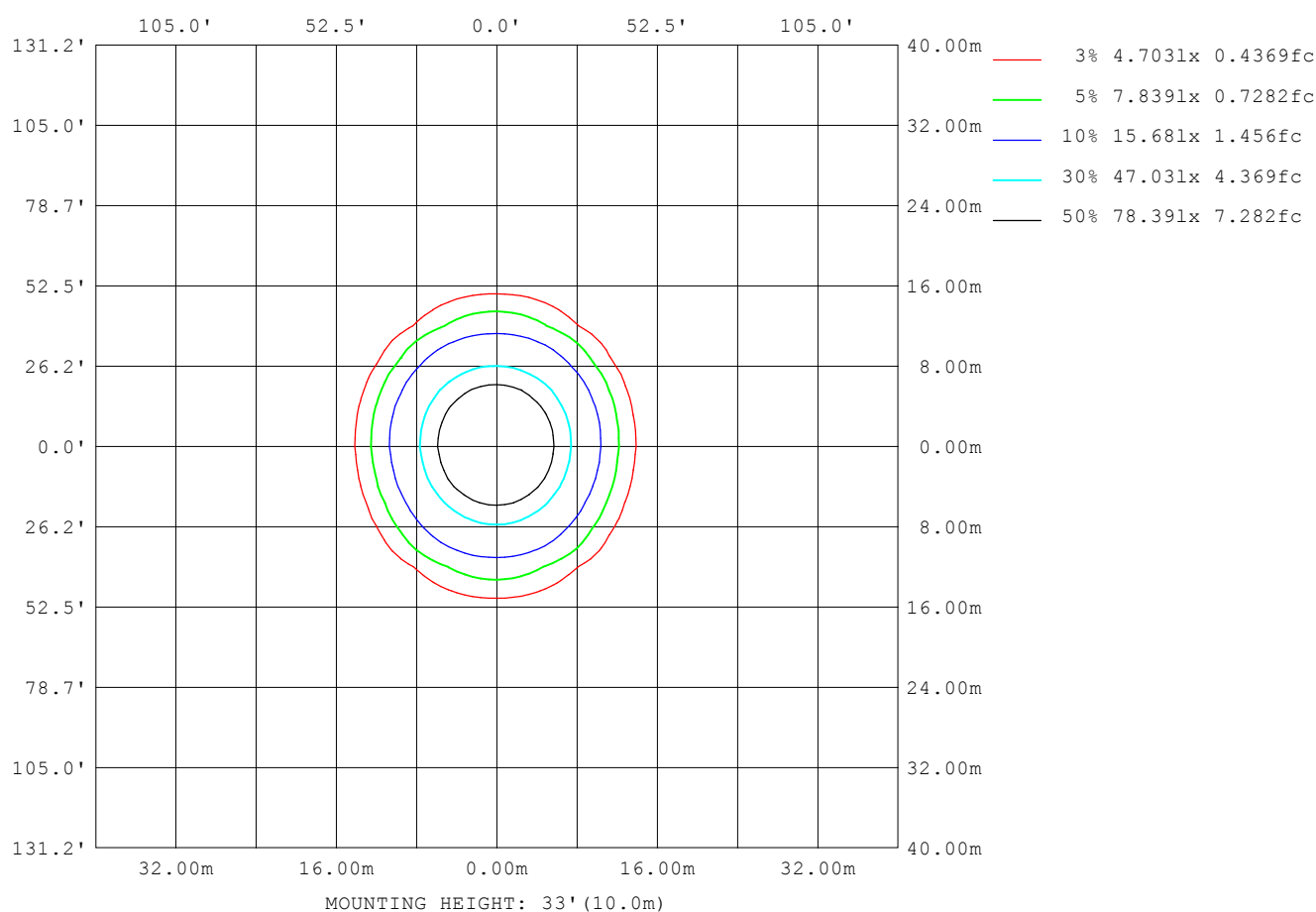


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Temperature:25.3DEG
Operators:CL
Test Date:19 October 2019

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ISOLUX DIAGRAM

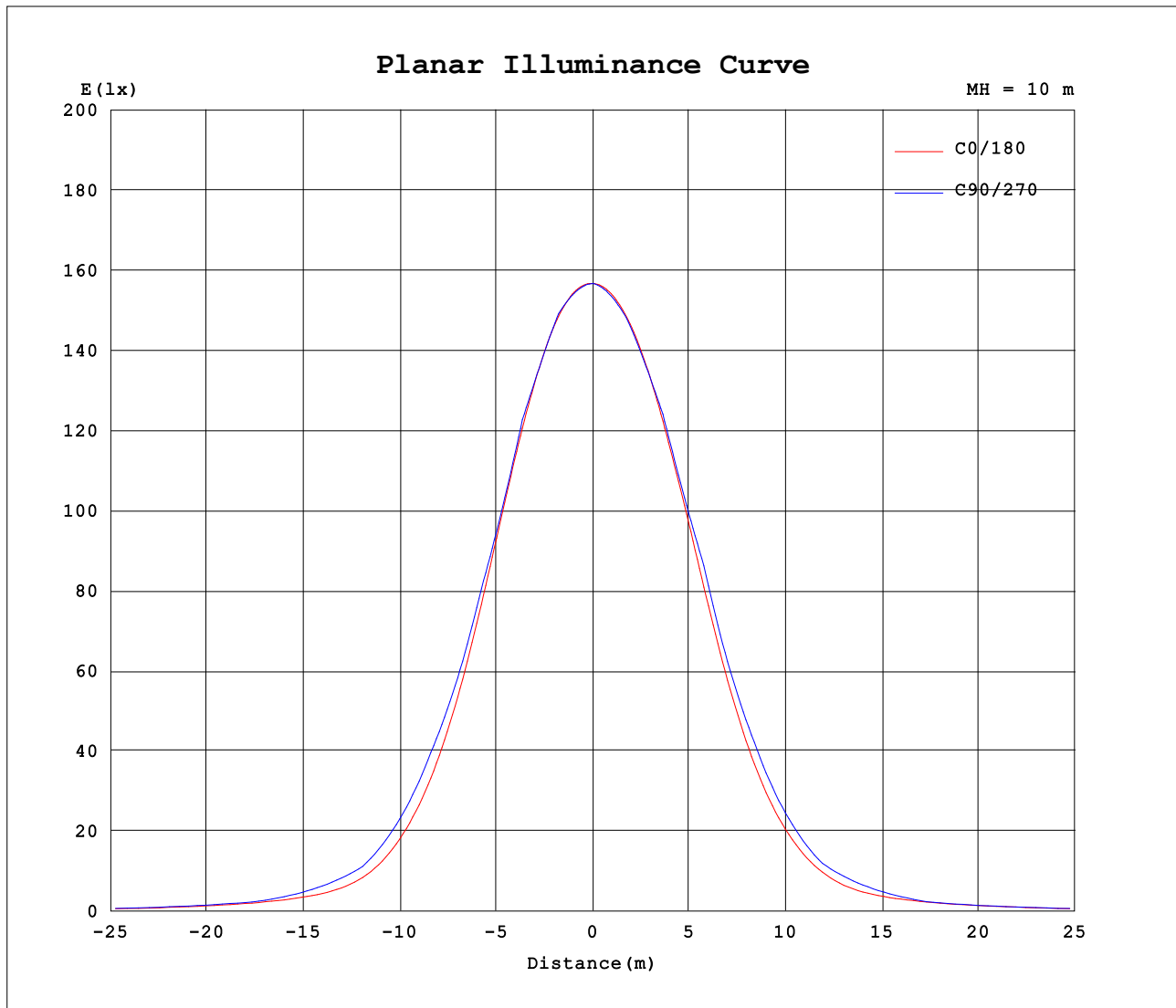
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Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:19 October 2019

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:

Planar Illuminance Curve



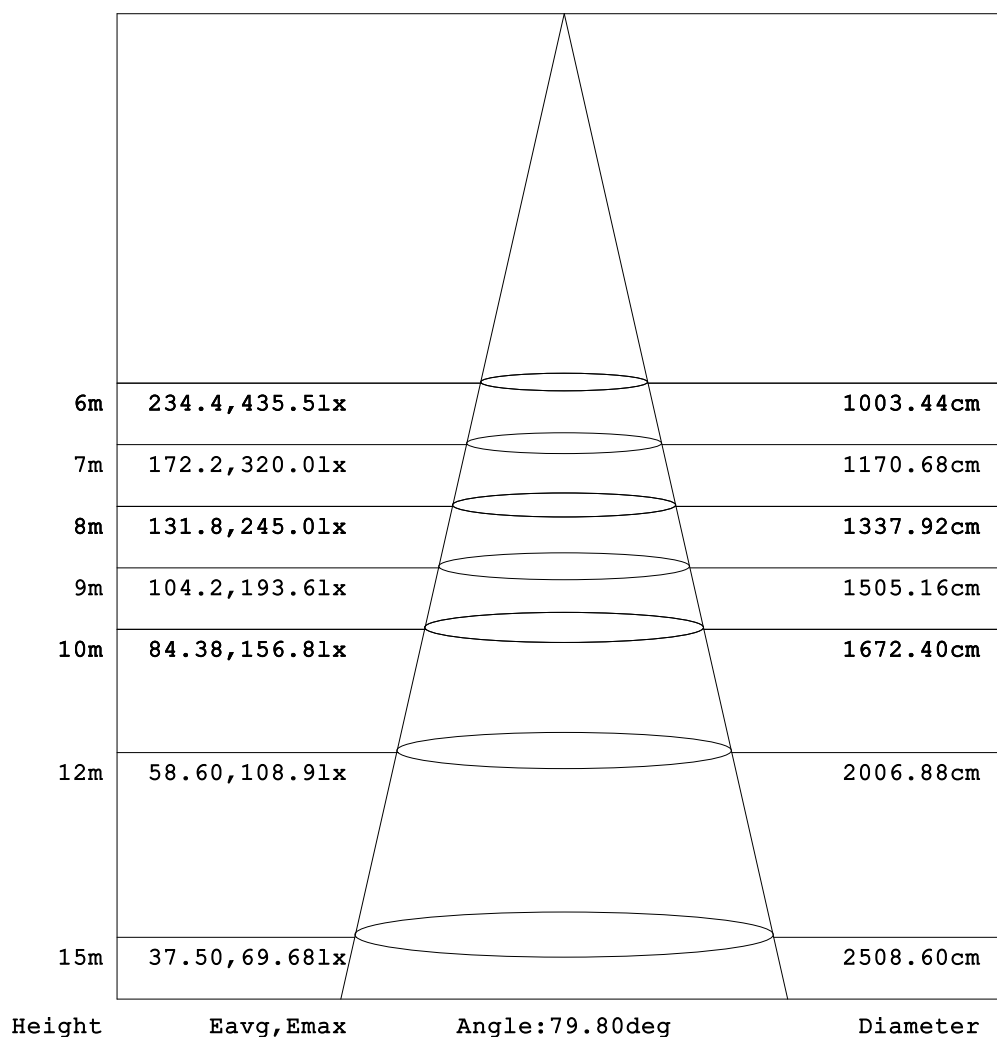
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:19 October 2019

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
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 Remarks:

AAI Figure

Test:U:220.02V I:0.8735A P:188.50W PF:0.9808 Freq:49.99Hz Lamp Flux:28774.9x1 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:18664 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: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:220.02V I:0.8735A P:188.50W PF:0.9808 Freq:49.99Hz Lamp Flux:28774.9x1 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	2.46	3.27	6.48	11.8	17.3	23.5	29.6	35.1	41.5	47.0	52.2	56.9	60.9	64.0	66.6	69.2	71.7	73.4	73.8
-75	1.89	3.46	8.68	18.0	27.0	36.1	44.7	53.3	61.0	67.8	74.9	81.6	87.7	92.6	96.3	99.1	101	103	104
-70	2.49	4.66	14.5	27.7	40.6	52.1	63.2	74.7	83.3	91.4	100	109	117	123	127	130	132	134	134
-65	1.87	4.63	16.3	33.2	49.6	64.6	78.0	91.4	103	113	123	134	143	152	158	163	166	169	170
-60	2.53	7.46	25.0	45.5	65.0	82.4	98.3	113	126	139	151	163	174	184	191	197	201	204	205
-55	1.87	6.63	24.8	47.8	70.5	90.0	108	125	141	156	172	189	207	229	253	277	296	310	315
-50	2.57	10.6	33.8	59.7	84.2	105	125	144	162	180	200	222	249	284	325	365	398	419	425
-45	1.88	8.97	32.4	59.7	87.0	110	132	152	173	197	230	279	344	418	492	558	609	642	654
-40	2.64	14.3	41.2	71.6	99.2	123	147	169	194	225	277	361	468	581	687	774	837	874	884
-35	1.91	11.3	37.9	68.6	99.0	124	149	174	203	248	328	444	580	717	838	935	1004	1046	1062
-30	2.70	17.6	45.5	79.3	109	136	162	189	226	296	420	580	749	904	1032	1128	1192	1229	1240
-25	1.95	14.2	41.9	75.3	108	136	163	193	238	332	484	666	851	1017	1150	1246	1307	1345	1359
-20	2.80	21.3	49.6	86.5	118	147	176	211	279	422	617	828	1025	1189	1311	1395	1441	1470	1479
-15	2.00	16.6	44.7	80.1	115	144	174	210	281	433	638	857	1061	1228	1350	1432	1481	1510	1521
-10	2.84	22.3	51.1	90.0	123	153	184	228	331	522	746	972	1170	1324	1428	1495	1535	1556	1563
-5	2.03	17.6	46.2	82.8	119	149	180	222	319	507	736	967	1172	1332	1436	1502	1539	1558	1565
0	2.92	23.4	52.4	92.7	126	157	190	240	369	580	819	1050	1246	1390	1476	1528	1554	1564	1568
5	2.00	17.9	46.4	83.1	119	150	181	224	327	523	756	989	1194	1352	1453	1513	1542	1555	1559
10	3.01	22.9	51.2	91.1	125	155	187	234	352	557	788	1016	1214	1364	1460	1513	1538	1548	1550
15	2.01	17.3	45.2	80.5	116	146	176	214	297	469	686	912	1117	1283	1399	1467	1503	1519	1523
20	2.99	22.1	49.6	87.4	120	149	178	216	298	464	676	894	1094	1258	1374	1439	1477	1494	1496
25	2.12	16.2	42.5	75.2	110	138	165	196	249	364	538	737	931	1103	1236	1323	1377	1405	1413
30	2.87	19.9	45.6	79.7	111	137	163	192	234	326	478	659	842	1008	1141	1234	1292	1322	1328
35	2.24	14.3	38.2	67.5	100	125	150	174	205	260	358	492	643	791	920	1019	1085	1123	1135
40	2.77	17.4	40.7	70.3	99.4	123	145	167	192	226	287	385	505	630	744	835	898	932	940
45	2.35	12.0	32.5	58.1	86.9	109	130	150	170	194	231	288	361	444	526	597	652	685	696
50	2.63	14.0	33.4	58.3	84.0	104	123	140	157	175	194	218	250	291	339	385	422	446	452
55	2.48	9.28	25.4	46.7	70.3	89.2	106	122	137	151	166	183	203	228	255	282	305	319	325
60	2.48	10.4	25.2	44.7	64.9	81.4	96.3	110	122	134	145	156	166	175	183	189	194	197	198
65	2.62	5.81	17.8	33.1	50.1	64.7	77.4	89.5	100	109	118	128	136	144	150	155	158	160	161
70	2.31	5.61	15.9	28.4	41.7	53.2	63.4	73.5	81.7	88.6	95.9	103	110	115	119	122	123	124	125
75	2.74	2.51	9.98	18.6	27.7	36.5	44.3	51.8	59.2	65.6	71.4	77.1	82.3	86.8	90.2	92.6	94.4	95.7	96.2
80	2.21	1.56	7.40	12.4	17.4	23.0	28.1	33.1	39.5	44.9	49.2	53.3	57.0	59.9	62.2	64.2	66.1	67.2	67.5
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:220.02V I:0.8735A P:188.50W PF:0.9808 Freq:49.99Hz Lamp Flux:28774.9x1 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--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	72.6	70.5	68.1	65.6	62.6	58.8	54.4	49.3	43.9	37.3	31.3	25.4	18.7	12.8	7.41	2.59	0.82	0.40	
-75	103	102	99.4	96.5	92.6	87.4	81.2	74.3	67.4	60.4	52.7	43.5	35.1	25.5	15.9	7.22	1.67	0.47	
-70	133	132	130	126	121	114	105	96.6	88.3	80.6	70.6	58.2	47.9	34.4	20.8	8.82	1.58	0.40	
-65	169	167	164	159	153	144	135	124	114	103	92.0	78.2	65.0	49.3	31.9	15.7	3.54	0.47	
-60	204	201	197	190	182	171	160	147	135	122	108	93.0	76.6	57.4	36.1	16.4	2.96	0.40	
-55	311	299	280	256	232	210	191	174	158	143	126	109	91.2	71.2	47.2	24.7	6.27	0.48	
-50	414	389	354	313	274	242	216	195	175	157	138	119	98.3	76.1	48.6	24.4	4.94	0.40	
-45	645	615	566	501	426	352	286	235	201	176	154	133	111	88.1	59.0	32.3	9.22	0.50	
-40	868	824	754	660	549	435	333	259	216	187	162	139	115	89.8	57.4	30.4	6.83	0.40	
-35	1052	1015	950	855	734	598	460	341	256	208	178	152	126	100	67.8	38.1	12.2	0.52	
-30	1225	1183	1112	1006	867	705	536	383	272	216	182	154	127	99.9	64.1	35.2	8.89	0.41	
-25	1351	1319	1260	1167	1036	871	688	505	348	247	199	167	138	110	74.7	42.3	15.0	0.55	
-20	1469	1436	1376	1282	1144	967	764	558	373	253	201	167	137	108	69.1	38.6	11.0	0.42	
-15	1516	1493	1446	1367	1249	1083	882	665	457	296	218	179	146	116	80.4	45.2	17.1	0.57	
-10	1557	1535	1489	1413	1295	1123	913	686	466	296	216	177	144	113	72.9	41.1	12.5	0.43	
-5	1564	1550	1515	1451	1347	1189	987	760	533	338	231	186	152	120	84.1	46.7	18.0	0.59	
0	1568	1556	1521	1454	1343	1180	973	741	513	321	224	181	147	115	74.3	41.7	12.6	0.47	
5	1558	1548	1518	1458	1358	1205	1005	777	547	347	234	187	153	121	85.2	47.0	18.2	0.61	
10	1547	1532	1496	1428	1320	1156	948	719	494	311	221	179	146	115	75.2	41.8	12.8	0.49	
15	1518	1501	1461	1392	1284	1124	925	706	490	314	223	181	149	119	83.3	46.0	17.6	0.62	
20	1485	1457	1404	1319	1191	1018	815	604	406	266	205	170	139	110	72.2	39.4	11.6	0.52	
25	1402	1371	1315	1228	1102	937	749	555	380	260	203	169	140	112	78.3	43.3	16.0	0.62	
30	1311	1267	1196	1093	952	783	603	431	295	222	185	157	130	102	67.3	36.2	10.3	0.54	
35	1122	1083	1017	923	799	654	506	372	271	212	179	153	128	102	70.7	38.9	13.6	0.62	
40	921	877	805	707	590	466	352	266	216	186	162	139	115	91.0	59.5	30.8	8.22	0.57	
45	686	654	602	532	451	369	295	238	199	174	153	132	111	88.4	60.6	32.6	10.6	0.62	
50	441	414	373	326	279	241	213	191	171	153	136	117	97.5	76.2	49.7	24.6	5.68	0.58	
55	321	307	286	259	232	207	187	169	154	139	123	107	89.9	70.7	47.7	24.6	7.17	0.62	
60	197	193	189	182	174	164	153	142	130	118	105	90.8	75.0	56.9	36.0	16.7	3.11	0.60	
65	161	159	156	152	146	138	129	119	109	99.6	88.8	75.8	63.2	47.9	31.3	15.5	3.76	0.62	
70	124	123	121	119	114	108	101	92.6	84.7	77.2	67.7	55.8	45.9	32.6	19.8	8.92	1.28	0.61	
75	95.8	94.6	93.0	90.7	87.3	82.7	77.1	70.7	64.3	57.8	50.2	41.5	33.5	24.0	14.9	6.87	1.47	0.63	
80	66.9	65.6	63.7	61.4	58.7	55.2	51.0	46.2	41.3	35.5	29.4	23.9	17.5	11.7	6.49	2.10	0.69	0.62	
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: