

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1595.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	76.3V x 68.1H
	At 50% of I _{max}	35.1V x 31.5H
	At 90% of I _{max}	9.6V x 13.4H

Beam Flux	Total	995.6 lumens per klm.
	To 10% of I _{max}	635.8 lumens per klm.
	To 50% of I _{max}	306.6 lumens per klm.
	To 90% of I _{max}	39.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.6 %

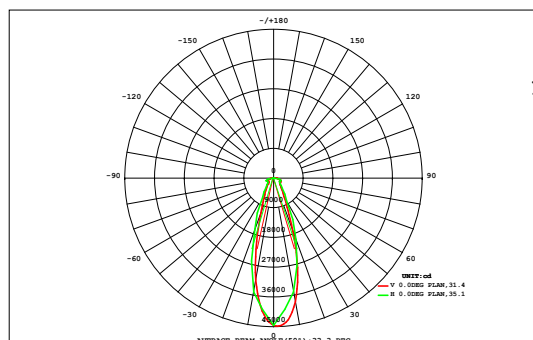
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:22 October 2019

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:120.01V I:1.6479A P:194.12W PF:0.9816 Freq:59.98Hz Lamp Flux:28083.5x1 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:144.67lm/W	
NJZMODEL200-V01-RZ-30-PC-BL		Imax(cd)	44810
NOMINAL POWER(W)	200	AVAILABILITY(%)	63.4
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	17798
NOMINAL FLUX(lm)	28083.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	28083
TEST VOLTAGE(V)	120	θ @50% (H,V)	31,35DEG

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	1.07	8.21	17.4	28.0	39.5	50.2	59.4	66.5	71.9	72.6	67.2	59.4	49.8	38.8	27.2	16.6	7.45	0.88	682	0.00
70	1.64	8.79	19.1	31.8	44.7	53.5	60.0	66.1	72.3	72.6	66.5	59.7	52.5	43.4	30.6	18.3	8.32	1.36	711	0.00
60	1.98	10.2	23.3	38.4	47.1	50.5	55.4	60.7	64.0	63.8	60.9	56.3	52.5	46.8	36.2	22.0	9.69	1.68	701	0.00
50	2.23	11.5	26.9	39.2	43.9	54.9	68.3	79.8	86.7	87.3	81.2	69.3	55.5	45.2	38.7	25.1	10.9	1.95	829	0.00
40	2.43	12.5	28.5	36.8	48.1	66.0	90.6	120	143	146	125	94.4	67.5	48.6	37.8	26.8	11.7	2.14	1109	290
30	2.56	13.2	28.1	37.1	52.5	79.3	129	217	308	318	234	137	82.1	53.1	37.6	27.3	12.3	2.28	1769	1248
20	2.65	13.6	27.5	38.2	56.8	94.9	185	424	702	716	456	197	98.3	57.3	38.3	27.1	12.6	2.36	3150	2716
10	2.68	13.8	27.2	38.9	59.7	106	237	670	1155	1159	675	242	109	59.9	38.7	27.0	12.7	2.40	4635	4233
0	2.69	13.8	27.2	38.9	60.1	108	247	707	1197	1181	663	238	108	59.6	38.6	26.9	12.7	2.38	4732	4329
-10	2.63	13.6	27.2	38.4	58.1	100	212	524	811	794	467	196	98.9	57.3	38.1	26.9	12.5	2.35	3479	3042
-20	2.52	13.3	27.4	37.7	54.5	86.7	156	287	395	378	243	141	84.1	53.2	37.3	26.9	12.1	2.25	2038	1531
-30	2.32	12.6	27.4	36.9	49.9	71.0	103	134	148	143	126	98.1	68.9	48.8	36.8	26.5	11.5	2.06	1146	409
-40	2.06	11.8	26.6	36.9	45.7	59.0	74.5	87.7	94.5	93.6	85.6	72.3	57.4	44.8	37.4	25.0	10.7	1.78	867	0.00
-50	1.75	10.6	23.9	36.6	43.5	50.7	58.8	64.7	67.5	67.4	64.2	57.9	50.0	43.7	36.7	22.2	9.70	1.46	711	0.00
-60	1.44	9.11	20.0	33.0	42.8	48.5	53.8	57.9	63.2	64.2	58.4	53.9	49.0	43.6	31.3	18.6	8.38	1.11	658	0.00
-70	1.10	7.47	15.9	25.8	37.1	47.0	52.8	57.7	66.4	65.7	58.3	53.6	46.3	35.5	24.7	14.9	6.83	0.75	618	0.00
-80	0.67	3.48	6.86	10.6	14.6	18.3	22.1	25.2	26.0	25.2	24.1	21.0	17.2	13.2	9.26	5.61	2.22	0.04	246	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	34.4	188	400	583	798	1145	1864	3650	5470	5446	3555	1848	1147	793	575	384	172	29.2	28083	---
Φ a	0.00	0.00	0.00	0.00	0.00	171	1072	2939	4757	4748	2878	1064	169	0.00	0.00	0.00	0.00	0.00	---	17798

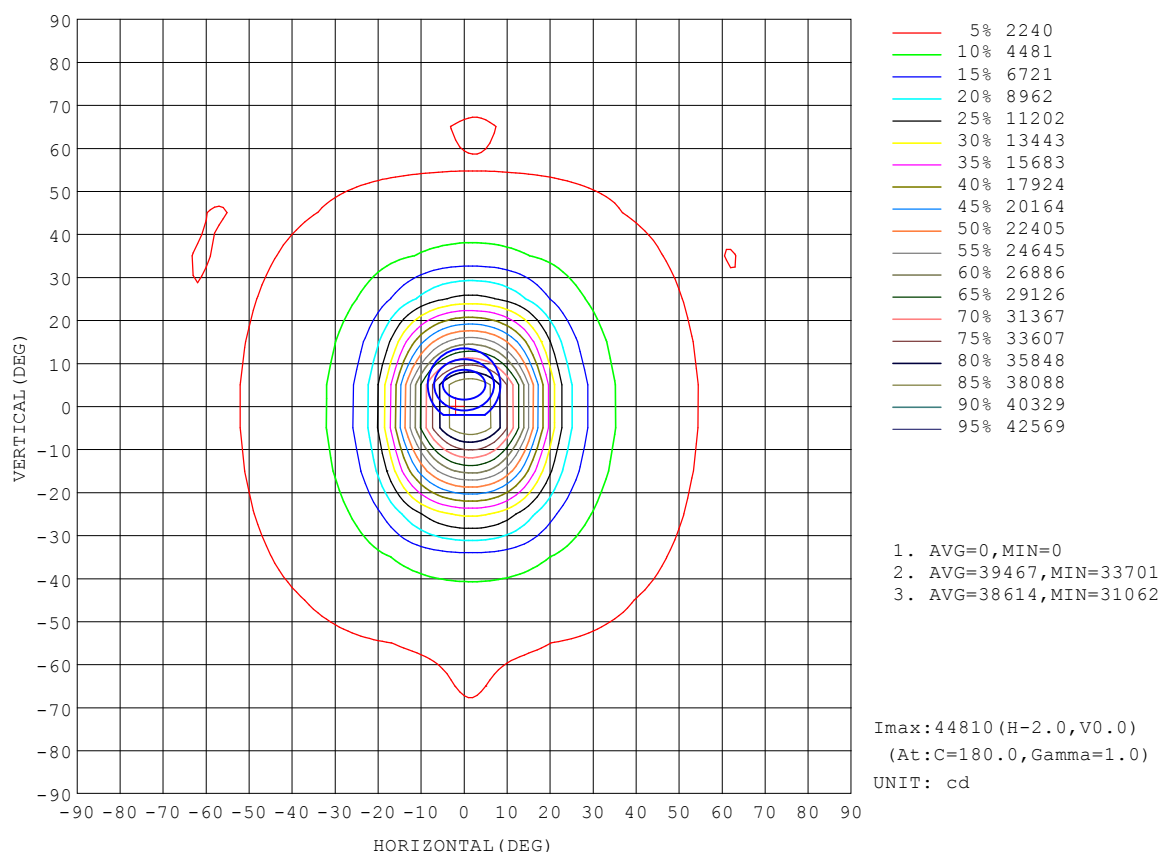
one-half-peak spread: U:18.5,D:16.9 , L:15.6,R:16.9 Beam Type: Type 4 x 5 (H x V)

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:120.01V I:1.6479A P:194.12W PF:0.9816 Freq:59.98Hz Lamp Flux:28083.5x1 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

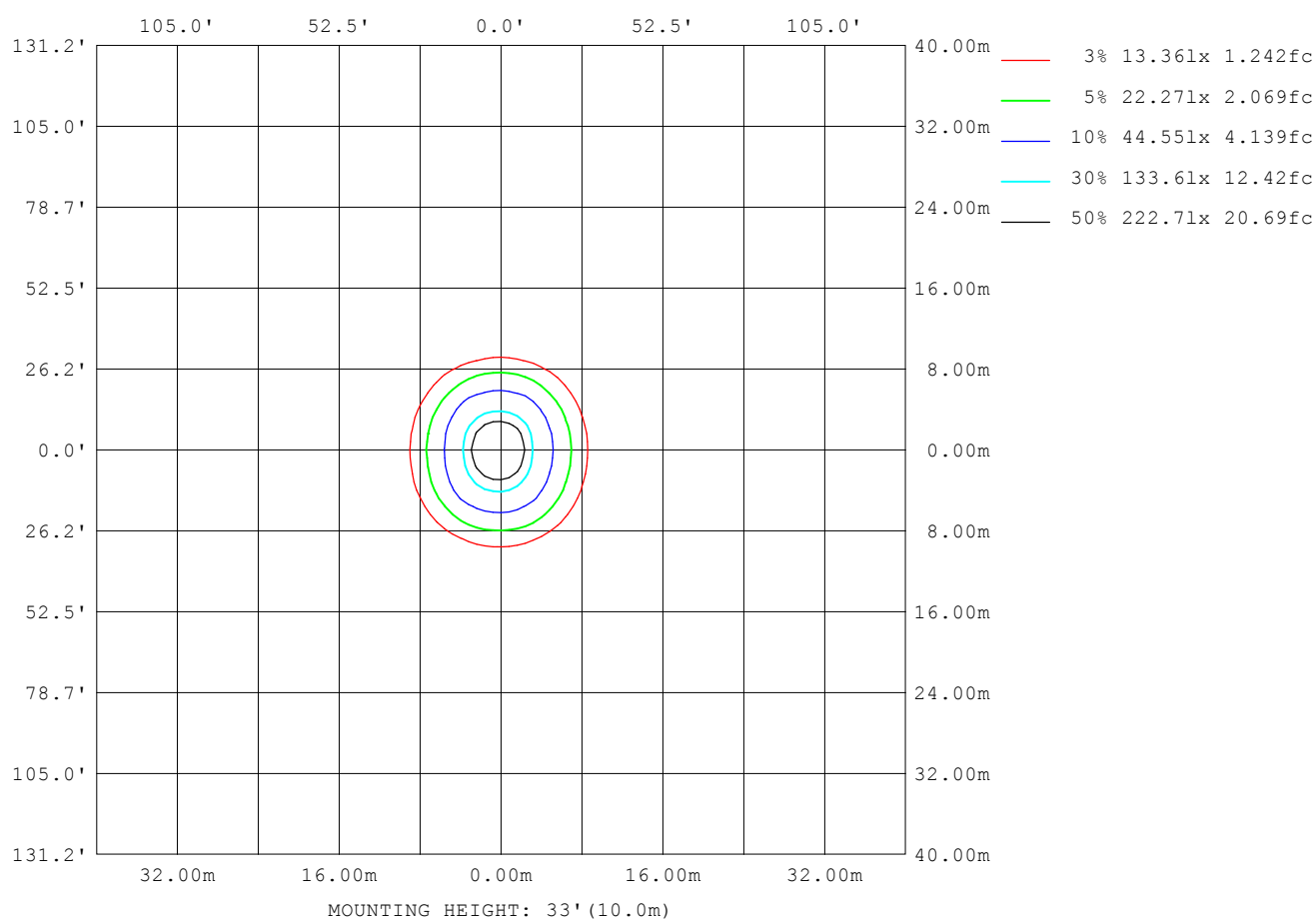


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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

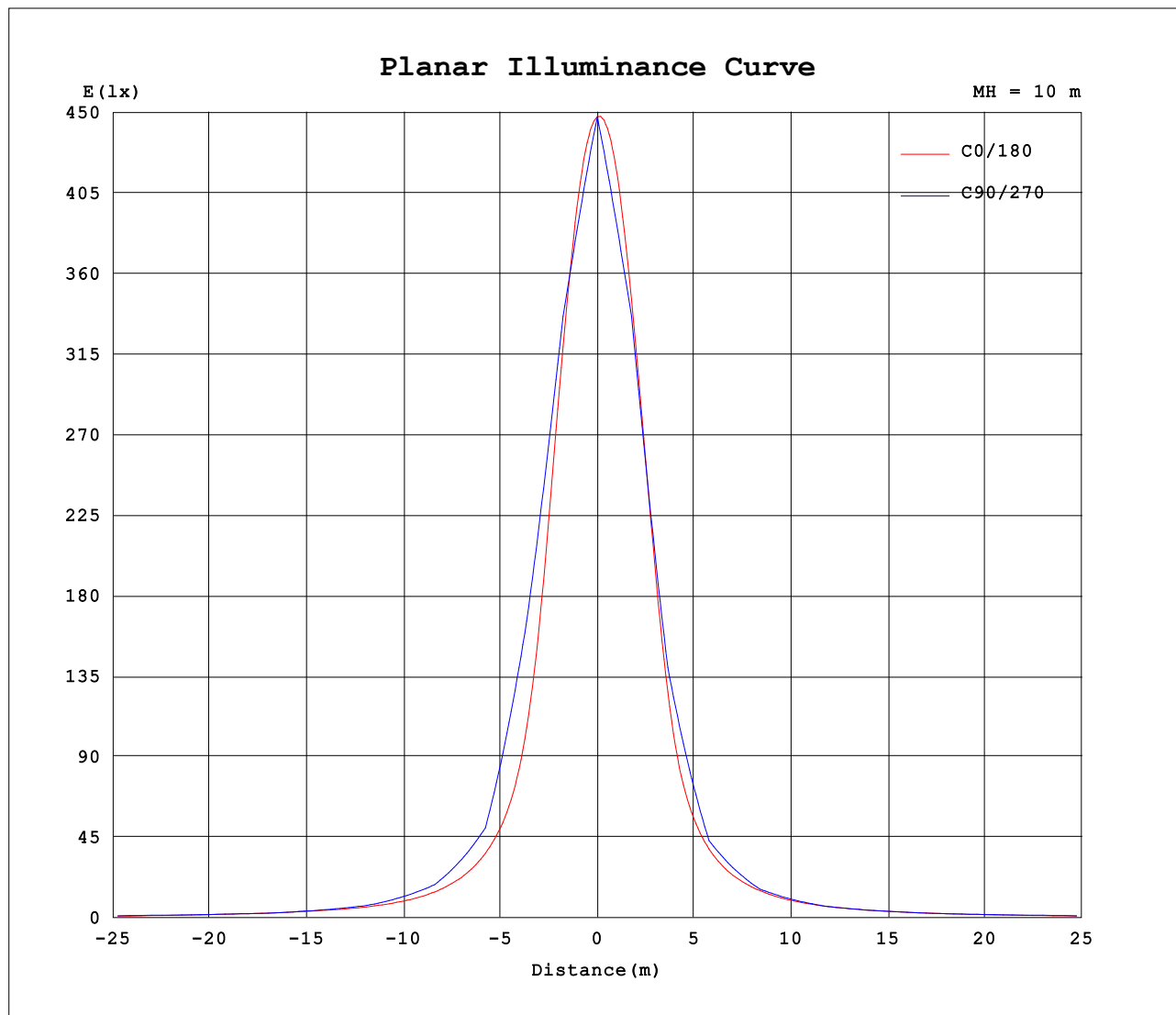
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SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



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:

Planar Illuminance Curve



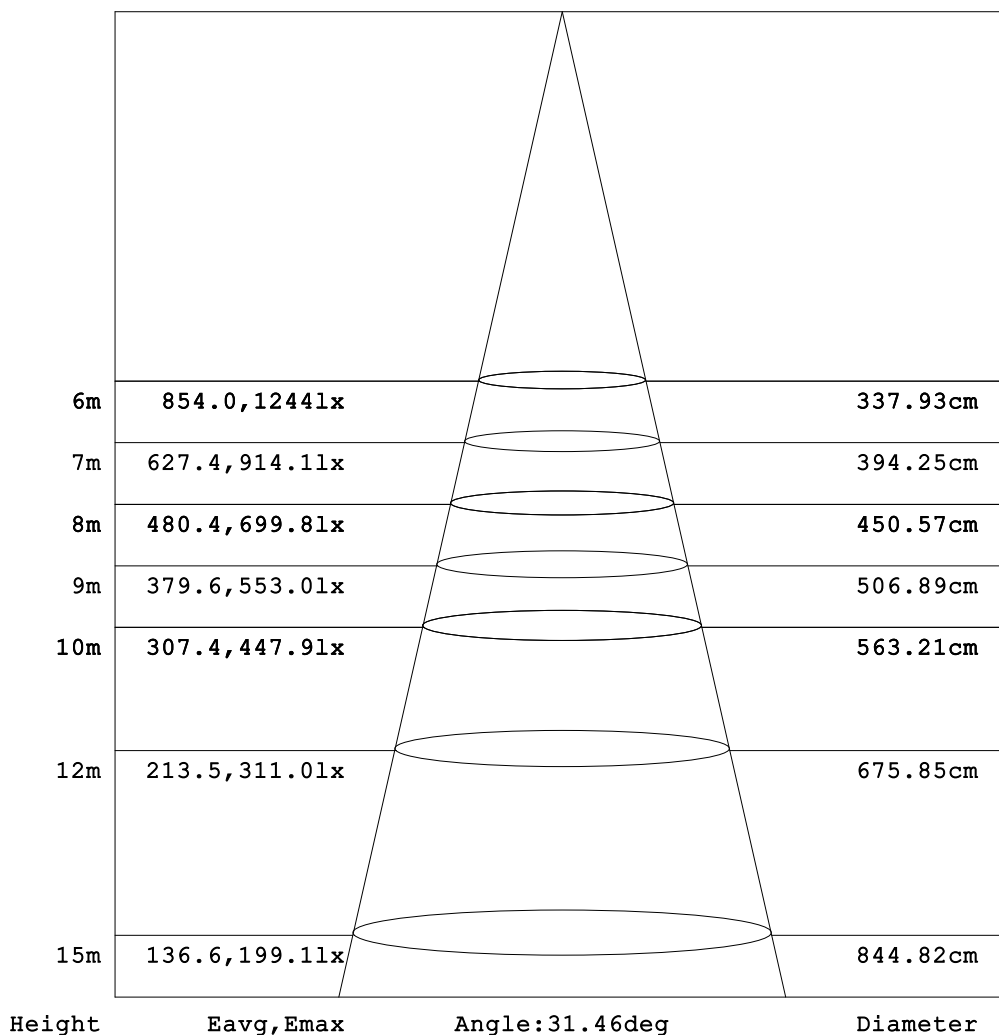
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:22 October 2019

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:

AAI Figure

Test:U:120.01V I:1.6479A P:194.12W PF:0.9816 Freq:59.98Hz Lamp Flux:28083.5x1 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:7942 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: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:120.01V I:1.6479A P:194.12W PF:0.9816 Freq:59.98Hz Lamp Flux:28083.5x1 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	2.30	28.7	68.3	87.5	99.1	110	120	129	137	146	152	158	164	169	174	178	180	184	183
-75	0.00	12.2	53.4	88.9	105	118	132	144	154	165	175	180	184	186	187	190	195	206	215
-70	4.56	42.6	89.2	110	126	142	159	171	184	197	204	208	206	204	203	207	221	241	246
-65	0.00	19.2	70.6	107	128	147	167	184	194	199	199	199	200	200	201	202	207	218	227
-60	6.35	56.5	105	129	153	176	196	210	212	203	193	191	193	197	200	203	205	207	208
-55	0.00	26.0	87.2	122	149	176	199	212	210	204	201	202	207	214	220	226	230	233	235
-50	8.42	69.2	117	148	179	206	221	213	200	201	208	218	229	239	248	255	259	262	263
-45	0.00	33.3	101	135	168	201	219	215	207	207	216	230	247	266	286	305	321	333	339
-40	11.4	84.9	128	162	198	224	215	206	211	223	240	262	288	318	348	376	399	412	415
-35	0.00	41.4	110	145	181	215	220	209	211	223	243	270	306	353	411	474	531	574	595
-30	14.3	96.7	136	171	207	221	209	212	224	245	276	319	378	456	549	642	719	767	775
-25	0.00	52.3	116	153	190	217	213	211	220	240	271	317	384	486	643	868	1116	1299	1383
-20	14.5	101	141	179	212	214	210	219	237	268	317	389	503	688	992	1401	1755	1956	1992
-15	0.00	62.9	119	157	195	215	211	214	228	253	295	360	460	628	931	1486	2100	2545	2748
-10	17.7	103	144	182	213	211	213	223	245	283	344	439	597	882	1477	2338	3033	3437	3506
-5	0.00	67.2	121	159	199	213	211	217	232	260	308	385	506	717	1135	1981	2939	3661	3985
0	22.4	104	145	185	213	211	214	225	249	289	356	460	637	973	1710	2809	3794	4377	4455
5	0.00	67.2	121	160	199	214	211	217	231	260	307	383	503	711	1122	1954	2928	3666	3991
10	24.0	103	144	183	214	212	213	223	245	282	342	434	588	865	1431	2299	3033	3451	3506
15	0.00	66.0	119	157	195	217	212	214	227	251	290	352	446	601	877	1378	1959	2400	2598
20	25.8	101	141	178	213	218	211	218	235	263	307	372	469	625	870	1170	1463	1651	1680
25	0.00	63.2	116	152	189	220	217	211	219	236	264	305	363	447	575	749	939	1095	1172
30	20.2	97.3	135	169	208	227	211	211	222	240	266	302	349	410	482	556	617	656	664
35	0.00	58.5	110	144	179	216	226	213	211	220	236	259	288	325	369	417	461	494	511
40	17.6	91.8	127	159	196	227	225	208	209	218	232	249	269	291	313	333	348	358	360
45	0.00	50.6	102	133	165	199	224	224	213	207	212	222	235	249	264	277	288	296	300
50	14.0	83.6	115	145	175	205	228	226	208	200	203	210	217	225	231	235	238	239	240
55	0.00	39.0	92.4	119	146	173	198	215	217	213	208	205	204	207	211	214	218	220	222
60	11.0	73.0	103	126	149	171	193	209	223	221	209	199	194	194	195	197	200	203	204
65	0.00	25.8	79.4	104	124	143	162	178	192	203	206	204	204	205	207	211	216	222	227
70	6.75	56.3	87.0	106	122	137	151	164	177	190	201	209	216	218	223	229	239	247	252
75	0.00	13.7	54.7	83.7	99.4	112	124	135	145	156	165	173	179	185	188	193	199	205	209
80	3.67	21.5	65.2	81.3	92.9	102	110	118	126	133	139	144	150	155	158	163	167	168	168
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:120.01V I:1.6479A P:194.12W PF:0.9816 Freq:59.98Hz Lamp Flux:28083.5x1 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	181	178	174	170	164	158	152	145	137	128	119	109	97.8	85.9	69.6	31.1	1.80	0.67	
-75	211	201	193	190	188	185	181	173	165	155	144	133	120	106	91.8	69.1	22.6	0.91	
-70	229	214	208	209	208	208	201	192	182	169	157	142	126	110	91.6	50.8	5.96	0.65	
-65	224	214	207	204	203	201	200	198	200	194	181	167	150	131	112	88.6	36.6	1.19	
-60	207	204	201	198	195	193	196	206	213	204	190	173	151	129	107	67.6	11.4	0.66	
-55	235	233	230	224	218	211	205	203	206	208	209	199	178	154	128	102	50.4	1.91	
-50	262	258	252	243	232	221	211	203	202	214	219	200	176	147	119	85.7	16.7	0.67	
-45	338	330	317	299	279	258	239	223	211	207	214	218	200	172	142	113	65.2	3.44	
-40	407	388	362	331	300	271	246	227	213	207	216	219	192	160	130	97.6	22.5	0.67	
-35	590	559	508	448	387	334	290	256	232	216	209	217	214	184	152	121	79.8	4.34	
-30	741	673	583	491	409	342	291	254	229	214	209	221	202	169	138	104	30.5	0.65	
-25	1360	1217	972	731	560	440	355	295	254	228	214	212	219	192	160	128	88.5	4.49	
-20	1838	1481	1056	749	557	429	342	283	245	222	212	216	208	176	144	108	41.2	0.70	
-15	2696	2364	1773	1156	762	549	417	330	274	239	219	212	217	197	165	132	91.4	7.69	
-10	3227	2585	1705	1029	685	497	380	304	256	228	215	214	210	180	147	111	49.1	0.67	
-5	3894	3366	2462	1499	904	618	454	351	285	244	222	213	215	199	168	134	92.8	9.55	
0	4034	3132	1999	1153	735	523	394	311	260	230	216	213	209	181	148	111	47.8	0.79	
5	3890	3357	2466	1504	904	616	453	350	284	244	222	213	215	200	168	134	93.0	9.69	
10	3208	2580	1721	1033	682	494	378	303	256	228	215	214	211	181	147	111	49.5	0.66	
15	2540	2233	1710	1127	742	534	408	325	271	238	219	212	219	199	166	132	91.8	9.18	
20	1562	1304	969	701	525	409	331	277	243	222	212	219	211	178	144	108	46.4	0.85	
25	1155	1049	867	669	520	414	339	286	250	227	214	214	223	196	162	128	88.6	8.45	
30	641	590	520	445	378	323	280	249	227	214	211	227	207	173	139	104	43.1	0.92	
35	509	487	450	403	355	312	277	249	228	215	212	223	218	188	154	122	83.5	7.05	
40	355	342	324	302	279	257	238	222	211	209	225	222	194	162	131	97.3	35.4	1.01	
45	299	295	286	273	259	243	229	217	209	212	220	222	202	173	143	113	75.8	3.88	
50	239	237	233	227	220	212	204	201	208	225	222	201	175	147	119	88.9	29.6	1.07	
55	221	220	217	214	210	207	207	210	212	215	212	198	176	152	127	101	64.8	2.40	
60	202	199	197	195	196	202	214	222	220	204	188	170	148	127	105	76.7	15.1	1.15	
65	227	221	215	210	208	205	205	207	204	193	178	163	145	127	109	87.0	49.3	1.70	
70	245	236	227	222	215	208	200	190	178	164	151	136	121	106	87.9	60.4	5.74	1.20	
75	209	204	198	192	187	180	174	166	157	147	136	125	112	99.5	85.2	64.9	25.0	1.65	
80	167	164	161	156	151	145	139	133	125	116	108	98.4	88.5	76.9	60.4	24.0	1.85	1.34	
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: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: