

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	534.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	134.2V x 128.4H
	At 50% of Imax	87.0V x 80.1H
	At 90% of Imax	50.4V x 46.4H

Beam Flux	Total	998.2 lumens per klm.
	To 10% of Imax	934.7 lumens per klm.
	To 50% of Imax	681.7 lumens per klm.
	To 90% of Imax	281.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

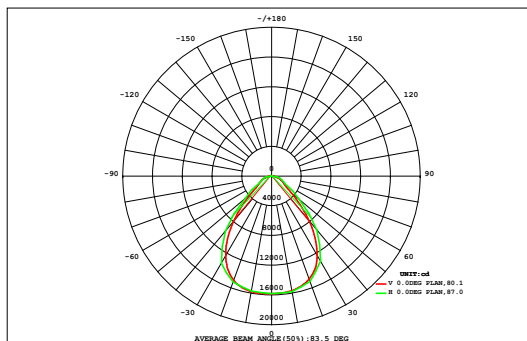
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:19 October 2019

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:120.04V I:1.6486A P:194.27W PF:0.9817 Freq:59.98Hz Lamp Flux:29641.5x1 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:152.58lm/W	
NJZMODEL200-V01-RZ-90-PC-BL		Imax(cd)	15837
NOMINAL POWER(W)	200	AVAILABILITY(%)	93.4
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	27679
NOMINAL FLUX(lm)	29641.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	29641
TEST VOLTAGE(V)	120	θ @50% (H,V)	80,87DEG

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	290	0.00
80	0.12	1.50	4.85	9.68	15.4	21.3	26.7	30.6	32.9	33.1	31.3	27.6	22.2	16.1	10.2	5.15	1.58	0.11	290	0.00
70	0.24	2.71	8.33	15.7	23.8	32.3	40.3	46.1	49.2	49.5	46.9	41.3	33.3	24.6	16.5	8.80	2.88	0.25	443	142
60	0.37	3.97	11.7	21.7	33.1	46.3	62.5	80.1	92.2	92.7	81.5	64.2	47.8	34.3	22.5	12.2	4.18	0.38	712	594
50	0.49	4.96	14.3	26.6	42.6	70.9	118	169	202	203	172	121	73.3	44.2	27.5	14.8	5.19	0.51	1311	1240
40	0.59	5.76	16.5	31.0	57.4	123	220	305	350	350	307	224	127	59.8	32.1	16.9	5.96	0.61	2232	2181
30	0.67	6.34	18.1	35.3	81.5	189	312	400	440	440	400	313	192	85.0	36.6	18.5	6.54	0.69	2975	2933
20	0.72	6.73	19.2	39.4	106	235	362	440	470	470	439	362	238	110	41.0	19.7	6.90	0.74	3367	3330
10	0.74	6.91	19.7	42.0	119	253	378	450	477	478	453	382	258	124	43.8	20.2	7.09	0.77	3514	3479
0	0.74	6.90	19.7	41.7	117	249	373	446	477	479	452	378	254	121	43.3	20.1	7.04	0.76	3486	3451
-10	0.70	6.67	19.1	38.7	101	223	347	428	466	468	435	355	230	106	40.3	19.5	6.84	0.74	3292	3254
-20	0.65	6.33	18.1	35.4	79.8	182	300	385	427	430	391	305	187	82.9	36.4	18.4	6.47	0.68	2892	2851
-30	0.57	5.78	16.6	31.5	57.6	124	218	299	344	346	305	224	128	59.9	32.4	17.0	5.96	0.60	2216	2166
-40	0.46	5.04	14.6	27.4	43.4	72.3	124	180	214	215	182	127	74.2	44.3	28.0	15.0	5.21	0.49	1372	1306
-50	0.34	4.04	12.0	22.6	34.6	46.5	60.6	79.4	93.6	94.1	80.5	61.8	47.4	35.4	23.2	12.5	4.27	0.37	713	604
-60	0.22	2.84	8.78	16.8	25.6	34.6	42.2	46.2	47.7	47.8	46.5	42.7	35.3	26.2	17.3	9.24	3.04	0.24	453	147
-70	0.12	1.50	4.92	9.89	15.5	21.6	27.1	30.8	32.9	33.1	31.3	27.6	22.1	16.0	10.5	5.32	1.66	0.13	292	0.00
-80	0.04	0.29	1.07	2.34	4.16	5.97	7.49	8.72	9.74	9.79	8.90	7.76	6.21	4.41	2.50	1.16	0.32	0.02	80.9	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	7.80	78.3	228	448	958	1928	3018	3825	4225	4240	3863	3065	1976	993	464	235	81.1	8.09	29641	---
Φ a	0.00	0.00	41.2	313	840	1814	2903	3711	4106	4122	3750	2950	1865	879	334	50.4	0.00	0.00	---	27679

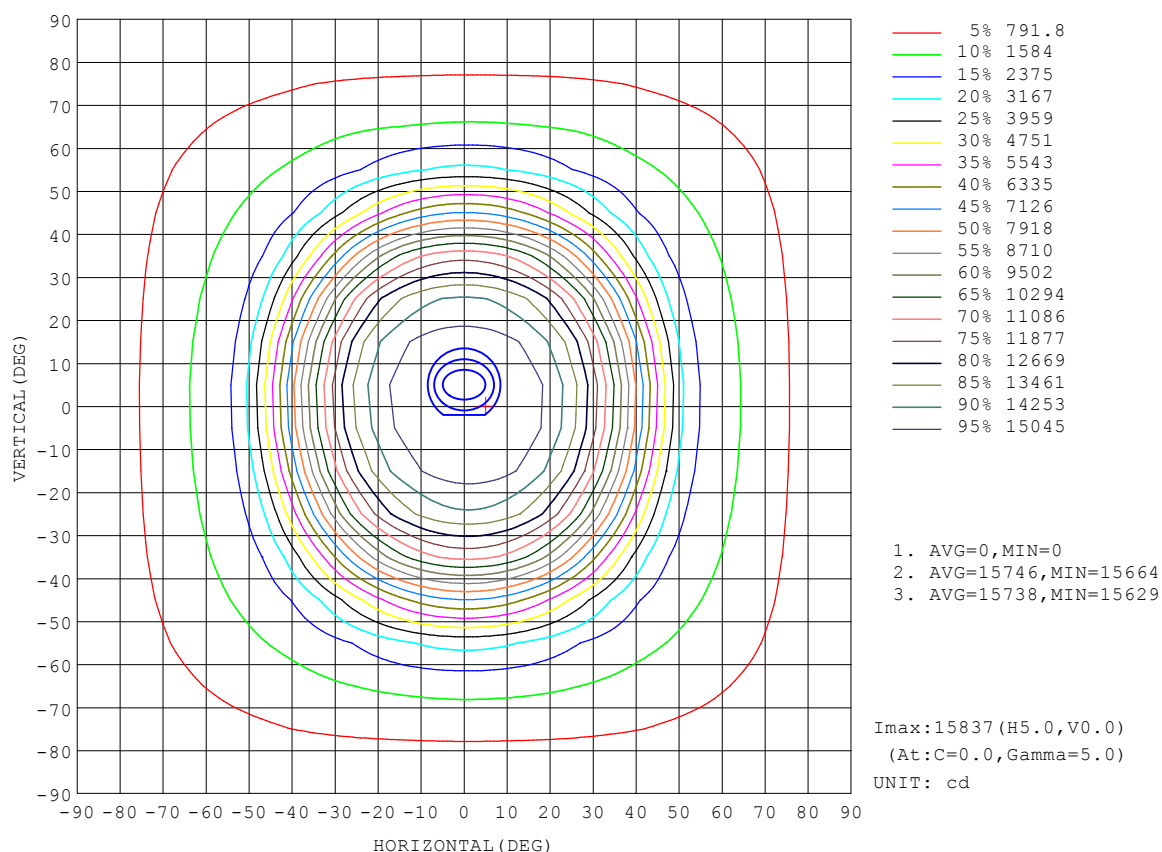
one-half-peak spread: U:43.6,D:43.7 , L:45.0,R:35.0 Beam Type: Type 6 x 7 (H x V)

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:120.04V I:1.6486A P:194.27W PF:0.9817 Freq:59.98Hz Lamp Flux:29641.5x1 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

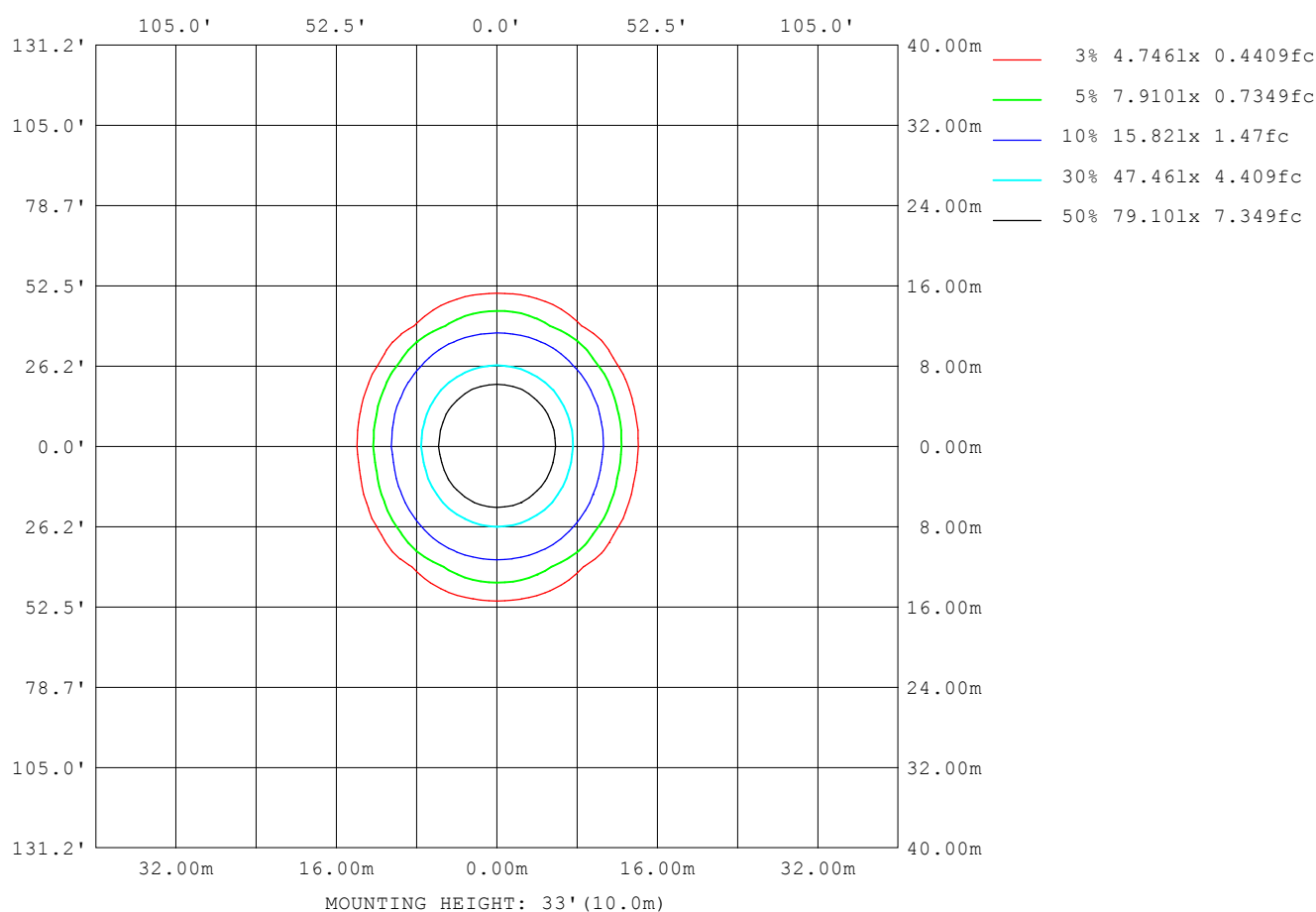


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Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:19 October 2019

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Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

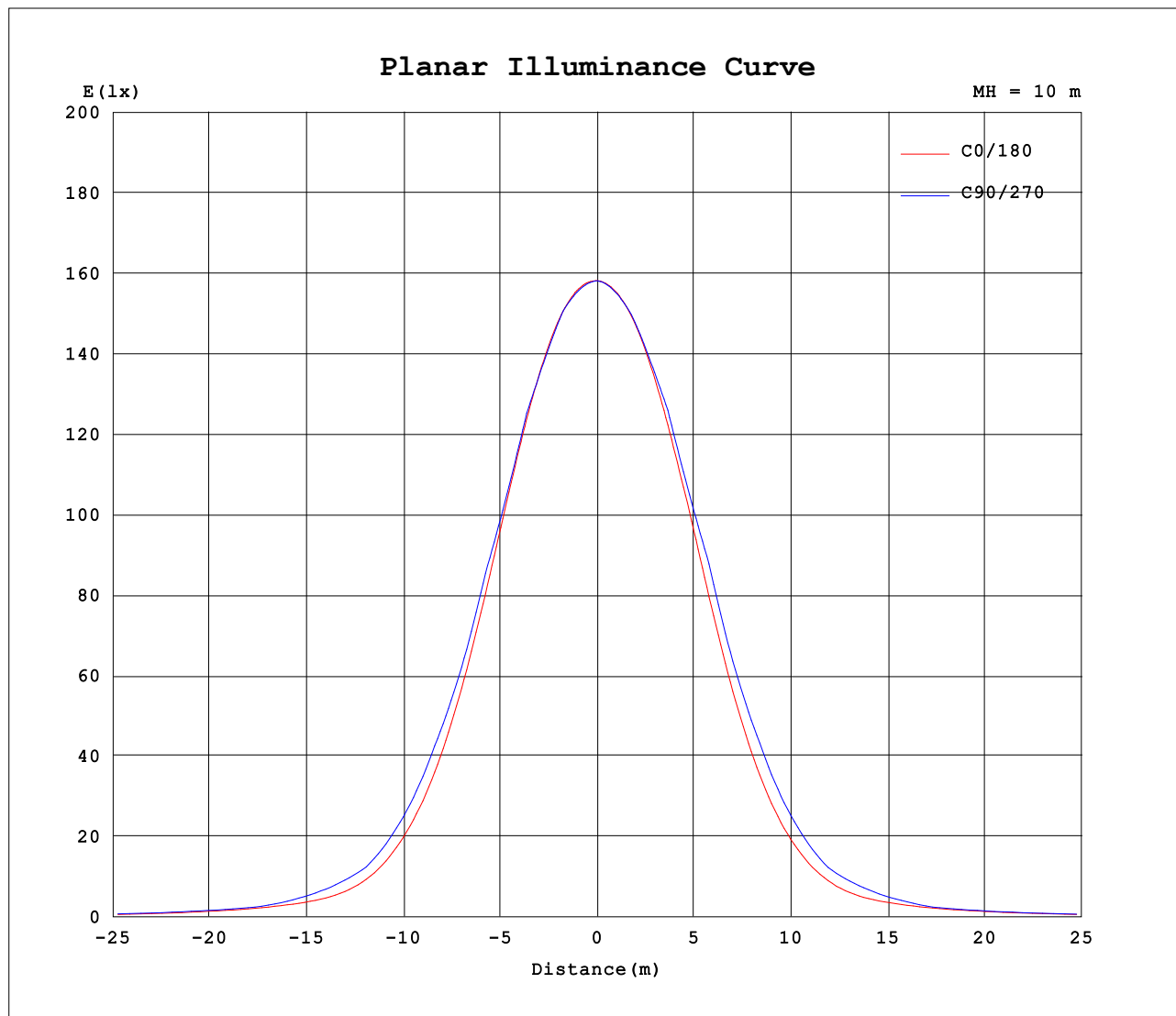
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SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
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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



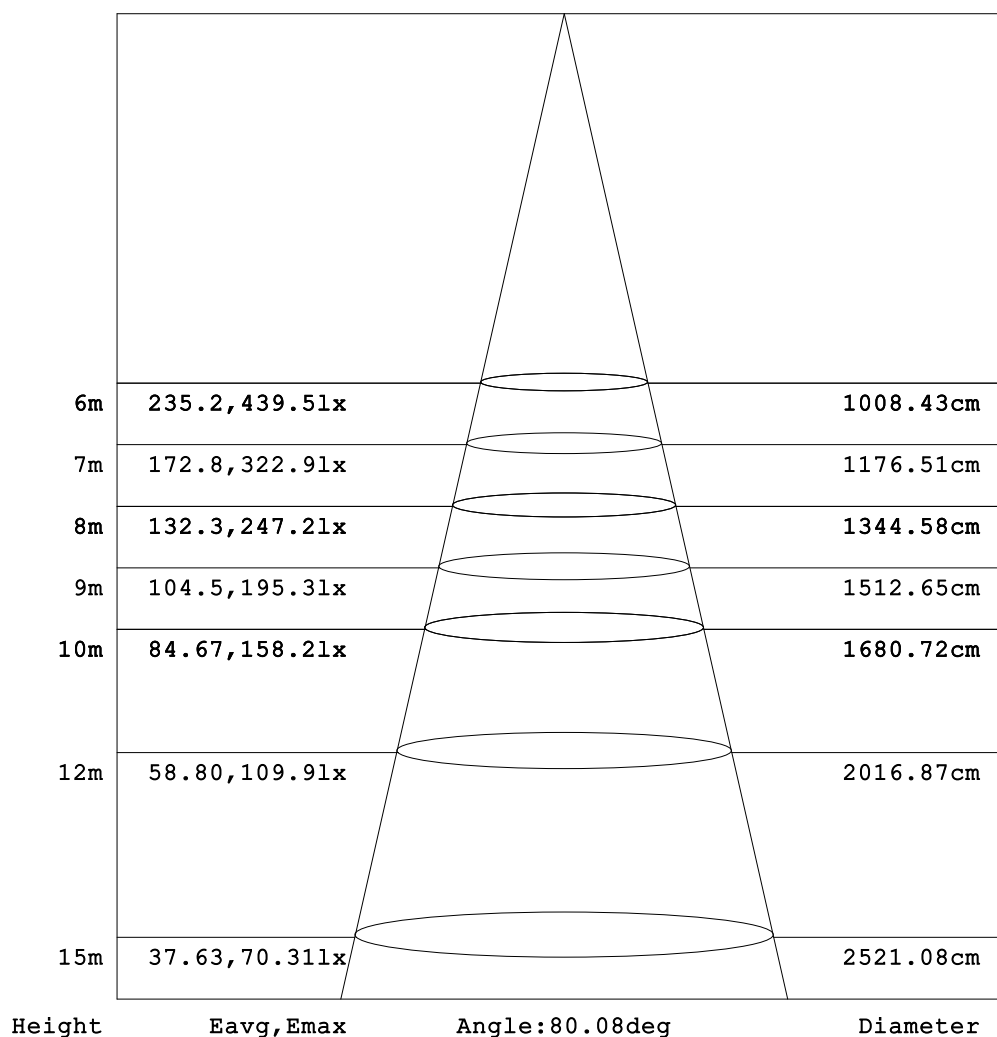
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:19 October 2019

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.04V I:1.6486A P:194.27W PF:0.9817 Freq:59.98Hz Lamp Flux:29641.5x1 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:19402 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:120.04V I:1.6486A P:194.27W PF:0.9817 Freq:59.98Hz Lamp Flux:29641.5x1 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	2.11	2.99	5.18	10.7	16.7	23.4	30.2	36.2	43.3	49.8	55.5	60.8	65.5	69.2	72.1	74.8	77.5	79.8	80.9
-75	2.12	3.27	8.61	18.2	28.0	37.8	47.2	56.2	64.5	72.0	79.5	86.7	93.3	98.8	103	106	108	110	112
-70	2.12	3.54	12.0	25.6	39.4	52.2	64.1	76.3	85.7	94.2	103	113	121	128	133	137	139	141	142
-65	2.13	4.34	16.6	33.7	51.1	66.7	81.0	94.9	107	118	129	140	150	159	166	172	176	179	180
-60	2.14	5.14	21.2	41.7	62.7	81.2	97.9	114	128	141	154	167	179	190	199	207	212	216	218
-55	2.16	6.35	25.2	48.2	72.0	92.1	111	128	145	161	178	196	218	244	273	300	323	339	345
-50	2.17	7.56	29.2	54.7	81.2	103	124	143	162	181	202	226	257	298	346	394	434	461	472
-45	2.19	8.99	32.7	60.2	88.5	112	134	156	178	203	241	297	371	453	535	606	661	696	710
-40	2.22	10.4	36.2	65.7	95.9	121	145	168	193	226	279	369	484	608	723	819	889	932	948
-35	2.25	11.8	38.5	69.5	101	127	153	179	210	263	357	487	635	780	906	1004	1074	1116	1132
-30	2.27	13.2	40.8	73.3	106	134	161	189	226	300	434	606	786	952	1088	1189	1259	1300	1316
-25	2.30	14.9	42.6	76.2	110	138	167	198	248	354	521	715	906	1075	1206	1299	1361	1398	1413
-20	2.33	16.5	44.4	79.1	114	143	173	207	269	409	607	823	1026	1197	1325	1409	1463	1496	1509
-15	2.35	16.9	45.1	80.5	116	146	176	214	291	452	663	887	1091	1257	1376	1454	1503	1532	1543
-10	2.37	17.3	45.9	81.9	118	149	180	221	312	495	720	950	1155	1316	1428	1500	1544	1568	1577
-5	2.38	17.7	46.5	83.2	120	150	182	225	327	521	753	986	1191	1349	1452	1517	1554	1572	1580
0	2.40	18.1	47.1	84.4	121	152	184	230	342	547	786	1022	1227	1382	1475	1534	1564	1577	1582
5	2.40	17.9	46.7	83.7	120	151	183	227	334	534	770	1004	1210	1368	1467	1528	1558	1571	1575
10	2.40	17.7	46.2	82.9	119	150	181	224	326	522	754	987	1194	1354	1460	1521	1551	1565	1568
15	2.41	17.3	45.4	81.3	117	147	177	216	302	477	698	926	1133	1301	1416	1483	1522	1539	1543
20	2.41	17.0	44.6	79.7	115	144	173	209	278	432	642	866	1073	1247	1372	1446	1492	1513	1519
25	2.42	16.0	42.7	76.4	110	138	166	198	252	370	547	749	947	1121	1254	1341	1398	1427	1436
30	2.42	15.1	40.8	73.1	106	133	159	187	226	307	451	633	821	994	1136	1237	1303	1340	1353
35	2.42	14.0	38.4	68.9	101	126	151	176	207	263	363	501	655	806	937	1037	1105	1145	1158
40	2.42	12.9	35.9	64.8	95.1	119	142	164	188	220	276	369	489	618	738	837	907	949	964
45	2.42	11.5	32.4	59.3	87.4	110	131	151	172	197	234	292	368	453	537	611	667	701	714
50	2.42	10.1	28.9	53.8	79.7	101	120	138	155	173	193	216	247	288	336	385	426	454	465
55	2.42	8.59	25.1	47.3	70.5	89.5	107	123	138	153	169	186	207	232	261	289	312	328	334
60	2.42	7.11	21.3	40.7	61.2	78.4	94.0	108	121	133	144	156	167	177	185	192	198	201	203
65	2.42	5.11	17.0	32.7	49.4	64.2	77.3	89.8	101	110	120	130	139	147	153	158	162	164	166
70	2.42	3.11	12.7	24.6	37.7	50.0	60.5	71.4	80.3	87.7	95.7	104	111	117	121	124	126	128	129
75	2.41	2.08	8.93	17.3	26.4	35.5	43.9	51.9	59.3	65.8	72.2	78.4	84.0	88.8	92.4	95.0	96.9	98.5	99.3
80	2.40	1.04	5.17	9.95	15.2	21.0	27.2	32.4	38.3	43.9	48.7	53.2	57.4	60.7	63.4	65.8	67.9	69.4	70.1
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:120.04V I:1.6486A P:194.27W PF:0.9817 Freq:59.98Hz Lamp Flux:29641.5x1 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	80.2	78.3	76.1	73.8	71.1	67.5	62.8	57.8	52.2	45.5	38.5	32.5	25.2	18.1	11.8	5.66	1.61	0.44	
-75	111	109	107	105	101	95.3	88.9	81.9	74.6	67.2	59.3	50.2	40.6	30.6	19.9	9.67	2.57	0.44	
-70	142	140	139	136	130	123	115	106	96.9	89.0	80.1	67.8	55.9	43.2	28.0	13.7	3.53	0.45	
-65	179	177	174	169	161	153	143	132	121	110	98.4	84.5	70.3	54.5	36.1	18.2	4.73	0.45	
-60	217	214	208	202	193	182	170	157	144	131	117	101	84.6	65.9	44.2	22.6	5.93	0.45	
-55	340	326	304	277	249	222	201	182	165	148	132	114	95.5	75.3	50.8	27.0	7.34	0.45	
-50	464	439	400	353	305	263	231	207	185	166	147	127	106	84.7	57.4	31.4	8.74	0.45	
-45	701	669	616	546	464	381	306	247	208	182	159	137	115	91.6	62.4	34.5	10.1	0.46	
-40	937	899	833	738	623	498	381	287	232	198	172	148	123	98.5	67.4	37.6	11.4	0.47	
-35	1123	1087	1022	926	800	655	505	371	273	216	183	156	130	104	71.4	40.1	13.2	0.48	
-30	1308	1275	1212	1114	978	811	630	455	314	234	195	165	137	109	75.5	42.7	15.0	0.49	
-25	1406	1377	1320	1229	1098	928	736	541	370	257	204	171	141	113	78.1	44.0	16.1	0.50	
-20	1504	1479	1429	1345	1218	1046	843	628	426	279	213	177	146	116	80.7	45.3	17.1	0.52	
-15	1540	1520	1476	1400	1284	1116	912	689	472	304	221	182	149	119	83.3	46.4	17.8	0.53	
-10	1575	1560	1523	1455	1350	1187	981	750	519	328	230	186	152	121	85.9	47.5	18.5	0.53	
-5	1580	1568	1537	1474	1371	1212	1008	776	542	342	234	188	153	122	86.6	47.7	18.6	0.54	
0	1584	1577	1550	1493	1391	1238	1036	802	565	356	238	190	155	123	87.3	47.9	18.8	0.55	
5	1575	1566	1538	1480	1380	1225	1023	790	555	350	236	189	154	123	87.1	47.8	18.8	0.56	
10	1567	1556	1527	1467	1369	1213	1011	778	544	343	234	188	154	122	87.0	47.8	18.8	0.57	
15	1539	1522	1484	1415	1306	1144	942	717	496	316	225	183	150	120	84.5	46.8	18.2	0.57	
20	1511	1488	1442	1364	1243	1076	874	656	448	290	216	178	147	117	82.1	45.7	17.6	0.58	
25	1426	1396	1341	1253	1124	956	763	563	385	262	205	171	142	113	79.0	44.2	16.8	0.58	
30	1341	1304	1239	1141	1004	836	652	471	322	235	194	164	137	110	76.0	42.7	16.1	0.58	
35	1146	1108	1042	945	817	669	517	379	275	215	182	155	129	104	71.6	40.0	14.7	0.58	
40	951	912	844	748	630	503	382	286	228	195	169	146	122	98.2	67.2	37.3	13.3	0.59	
45	704	672	618	547	463	379	303	243	204	178	156	135	113	90.9	61.9	33.9	11.8	0.59	
50	457	432	393	345	297	255	223	200	179	161	143	124	105	83.6	56.7	30.6	10.4	0.59	
55	330	316	294	267	239	213	192	174	158	143	128	111	93.5	74.0	49.9	26.5	8.48	0.60	
60	202	200	195	189	181	172	161	149	138	125	112	98.0	82.4	64.3	43.1	22.3	6.59	0.60	
65	165	164	161	157	151	143	134	124	114	105	93.9	80.8	67.8	52.3	34.6	17.9	4.51	0.61	
70	128	128	127	124	120	114	107	99.0	91.1	84.0	75.5	63.6	53.3	40.3	26.2	13.5	2.42	0.61	
75	99.2	98.3	97.0	95.0	91.6	87.0	81.3	75.1	68.8	62.3	54.9	46.3	37.8	28.2	18.3	8.94	1.66	0.62	
80	69.9	68.9	67.5	65.6	63.2	59.9	55.8	51.3	46.4	40.6	34.4	29.0	22.3	16.0	10.3	4.43	0.89	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: