

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1023.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	90.0V x 88.4H
	At 50% of Imax	55.1V x 54.4H
	At 90% of Imax	23.3V x 19.7H

Beam Flux	Total	998.8 lumens per klm.
	To 10% of Imax	794.7 lumens per klm.
	To 50% of Imax	504.0 lumens per klm.
	To 90% of Imax	91.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

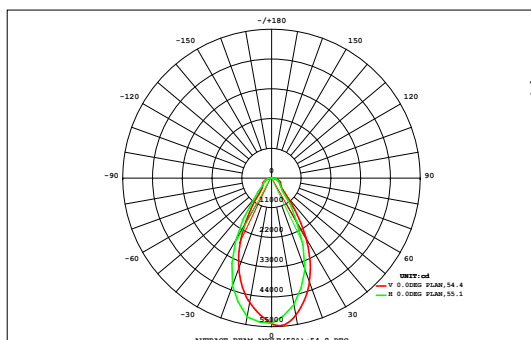
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:31 October 2019

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:220.01V I:1.7990A P:377.09W PF:0.9528 Freq:49.99Hz Lamp Flux:53340.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:141.45lm/W	
NJZMODEL 400-V01-RZ-60-PC-BL		Imax(cd)	54613
NOMINAL POWER(W)	400	AVAILABILITY(%)	79.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	42235
NOMINAL FLUX(lm)	53340.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	53340
TEST VOLTAGE(V)	220	θ @50% (H,V)	54,55DEG

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	0.38	3.69	11.0	20.9	32.4	43.7	53.6	60.4	64.7	64.3	59.9	52.5	42.1	30.6	18.9	9.06	2.49	0.18	571	0.00
70	0.67	6.30	18.1	32.9	48.6	64.0	76.8	84.6	88.5	88.8	85.7	77.7	64.4	48.9	32.4	17.1	5.17	0.38	841	0.00
60	0.99	9.32	25.8	45.2	65.2	84.3	100	111	117	117	113	102	85.7	66.8	46.2	25.6	8.19	0.65	1125	0.00
50	1.27	11.5	30.9	53.4	76.6	100	128	167	200	198	164	126	101	78.6	55.0	31.2	10.5	0.92	1534	481
40	1.49	13.1	34.6	59.3	86.3	127	225	382	504	490	358	211	124	87.7	61.2	35.3	12.1	1.13	2813	2177
30	1.66	14.2	37.1	63.7	96.9	196	469	802	1028	989	741	420	177	96.8	65.8	38.2	13.3	1.30	5253	4779
20	1.77	14.9	38.8	67.1	111	314	746	1167	1437	1377	1078	660	268	107	69.2	40.1	14.1	1.40	7514	7111
10	1.81	15.2	39.8	69.3	123	397	896	1344	1623	1548	1239	793	333	115	71.4	41.2	14.6	1.46	8666	8283
0	1.80	15.1	39.7	69.2	122	381	860	1300	1561	1482	1190	757	314	114	71.1	41.0	14.5	1.43	8335	7951
-10	1.72	14.6	38.5	66.6	108	278	653	1035	1269	1220	949	570	231	104	68.9	39.9	14.1	1.36	6663	6238
-20	1.57	13.7	36.5	63.0	94.3	169	378	650	831	800	589	324	147	94.9	65.5	37.8	13.2	1.22	4309	3797
-30	1.33	12.4	33.6	58.2	84.2	111	168	271	349	336	246	152	111	87.1	60.8	34.7	12.0	1.03	2131	1404
-40	1.07	10.7	29.6	51.8	74.6	96.3	109	113	116	117	114	112	99.2	77.7	53.8	29.9	9.97	0.75	1217	15.1
-50	0.76	8.41	23.9	42.8	62.2	80.4	95.5	105	109	110	107	98.4	83.3	64.2	43.5	23.4	7.38	0.49	1066	0.00
-60	0.48	5.61	16.4	30.1	44.8	59.5	72.3	79.5	82.2	82.7	80.7	73.5	60.0	44.3	28.8	14.6	4.20	0.25	780	0.00
-70	0.24	2.66	7.98	15.3	24.2	33.0	40.9	46.4	51.6	52.1	46.4	40.4	31.7	22.4	13.1	6.02	1.54	0.10	436	0.00
-80	0.06	0.48	1.43	2.89	4.59	6.20	8.09	10.1	14.5	14.0	9.25	6.87	4.65	2.97	1.48	0.49	0.10	0.01	88.2	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	19.1	172	464	812	1259	2542	5079	7730	9446	9086	7169	4576	2278	1243	827	466	157	14.1	53340	---
Φ a	0.00	0.00	0.00	0.00	201	1717	4336	7045	8742	8375	6482	3799	1418	120	0.00	0.00	0.00	0.00	---	42235

one-half-peak spread: U:25.4,D:30.0 , L:26.0,R:28.7

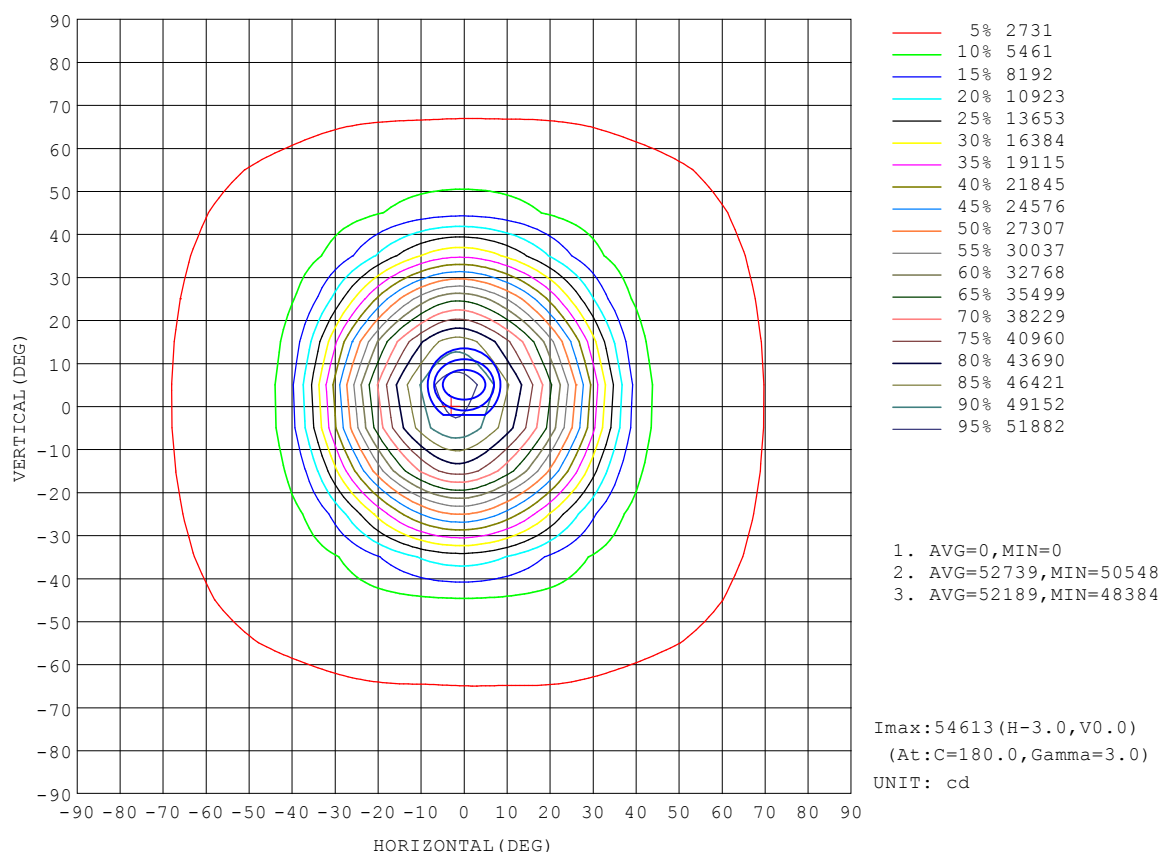
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:31 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:220.01V I:1.7990A P:377.09W PF:0.9528 Freq:49.99Hz Lamp Flux:53340.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

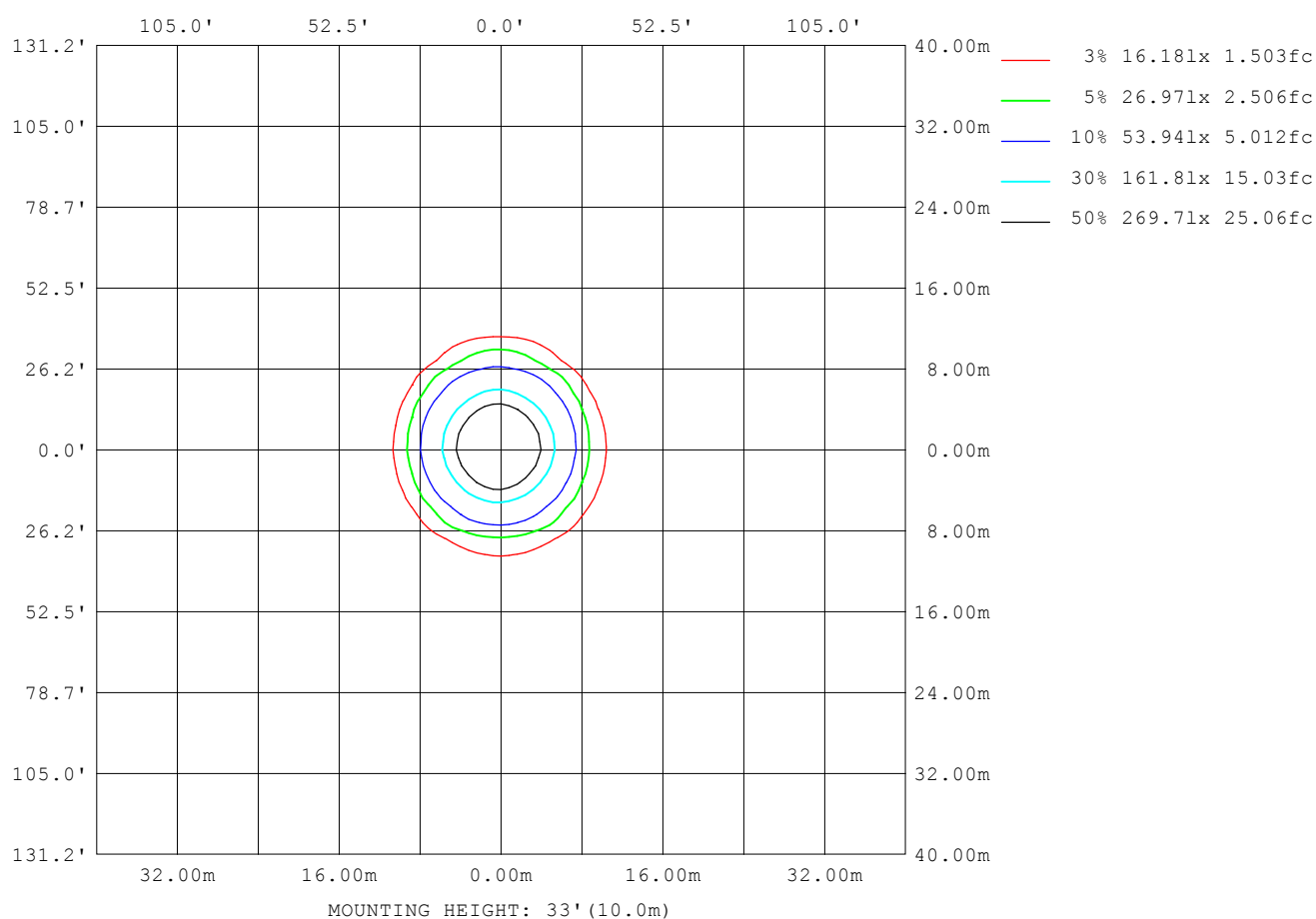


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:31 October 2019

V(B) Range:-80 - 80DEG
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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

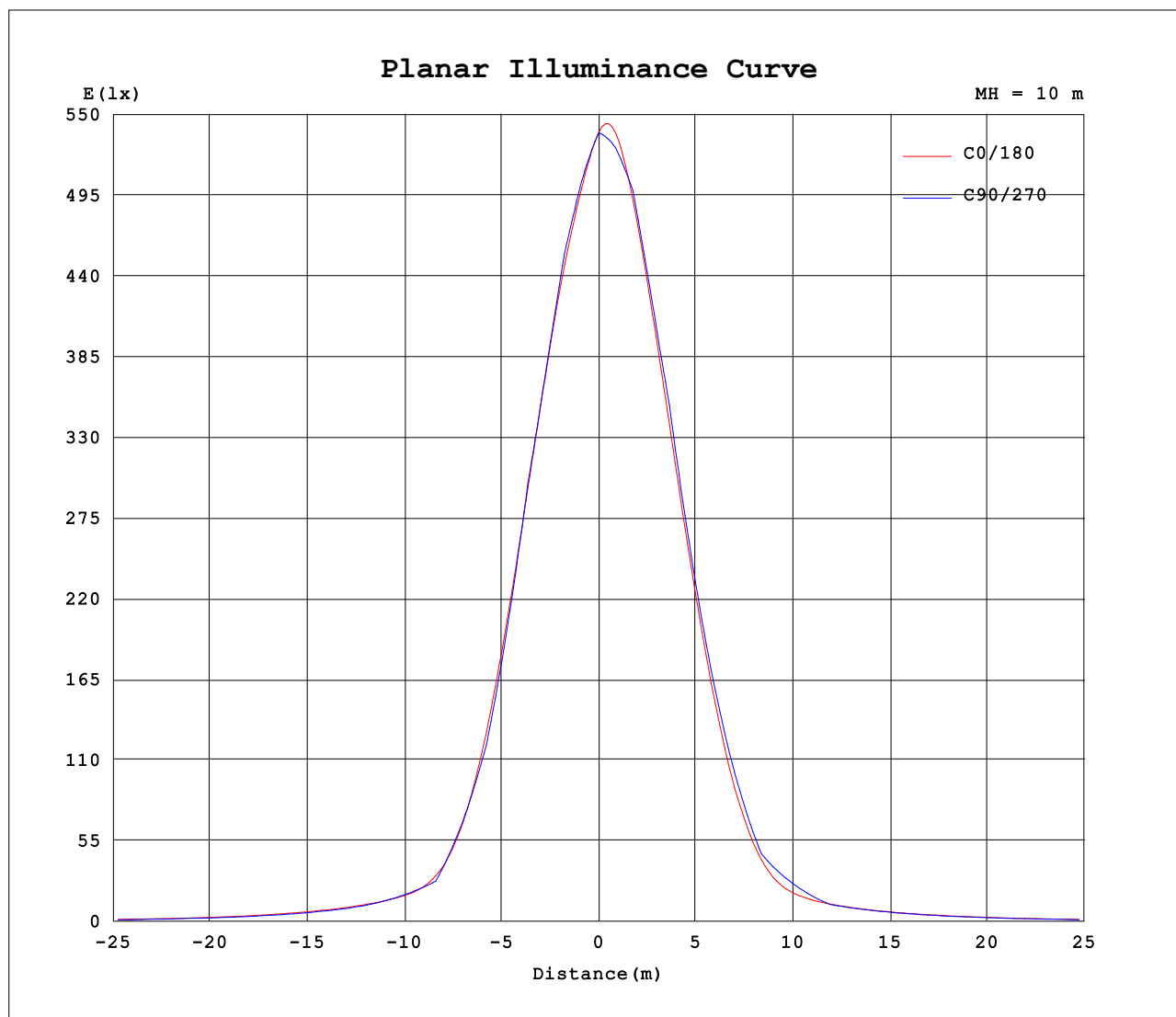
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SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:31 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



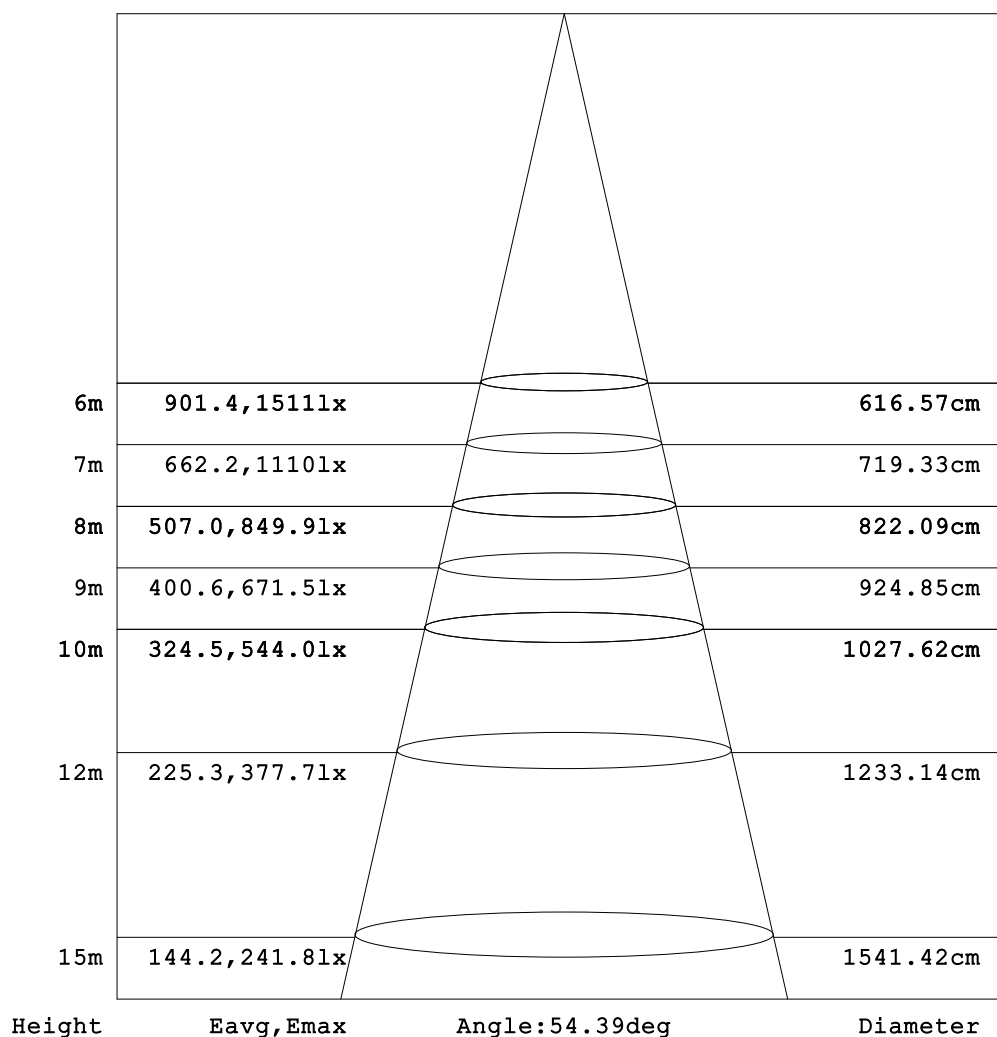
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:31 October 2019

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:220.01V I:1.7990A P:377.09W PF:0.9528 Freq:49.99Hz Lamp Flux:53340.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:27625 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:31 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:220.01V I:1.7990A P:377.09W PF:0.9528 Freq:49.99Hz Lamp Flux:53340.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	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	1.93	4.02	9.63	18.1	26.4	34.8	43.3	50.8	58.4	65.5	71.1	76.2	82.1	87.8	92.6	97.2	105	121	131
-75	1.46	4.89	15.1	31.2	45.7	60.8	74.4	86.4	99.6	111	120	130	139	146	152	156	160	169	177
-70	2.08	8.11	26.5	50.2	70.9	92.6	110	127	146	160	174	187	198	207	212	216	219	222	224
-65	1.15	8.21	30.9	63.5	93.8	122	145	166	186	203	219	234	247	258	265	268	269	271	273
-60	2.15	14.3	47.9	89.3	128	161	189	214	234	253	270	286	301	312	319	321	320	321	322
-55	0.87	12.7	49.0	95.8	142	180	211	240	264	284	303	320	335	347	357	363	367	371	373
-50	2.23	22.0	68.2	122	172	212	246	276	302	323	343	359	374	387	397	407	415	421	424
-45	0.64	18.6	66.4	122	180	223	260	292	319	343	365	387	408	428	449	471	494	512	520
-40	2.44	31.2	85.5	148	206	250	287	319	347	372	397	424	450	478	509	545	581	608	615
-35	0.51	25.3	80.4	142	208	255	294	329	358	387	420	459	528	649	805	970	1117	1216	1244
-30	2.64	40.6	97.2	166	230	276	315	350	381	415	456	515	647	878	1167	1459	1700	1848	1865
-25	0.47	33.0	90.6	157	229	277	318	356	389	429	490	635	915	1298	1725	2133	2468	2685	2745
-20	2.91	49.3	107	180	249	295	337	374	412	462	562	845	1324	1887	2454	2957	3342	3574	3602
-15	0.45	39.0	97.8	167	243	292	335	375	415	472	614	990	1579	2238	2872	3422	3853	4137	4205
-10	3.11	52.4	112	188	259	306	350	391	438	515	768	1346	2094	2852	3526	4081	4503	4768	4765
-5	0.01	41.4	102	172	251	301	345	388	434	509	760	1357	2149	2956	3677	4279	4749	5067	5107
0	4.05	54.2	115	194	265	313	358	401	453	557	933	1663	2532	3366	4090	4685	5151	5438	5378
5	0.00	41.7	103	174	253	302	347	389	437	516	793	1441	2272	3105	3842	4454	4939	5289	5335
10	4.02	53.3	114	192	261	309	353	394	443	534	858	1531	2354	3158	3860	4435	4893	5219	5217
15	0.09	40.5	100	171	247	295	338	378	421	485	677	1170	1866	2609	3293	3876	4342	4690	4761
20	3.93	51.4	111	187	253	299	340	378	418	477	642	1067	1676	2348	2978	3520	3953	4246	4246
25	0.27	37.9	94.9	164	235	282	323	360	395	440	529	766	1179	1698	2233	2723	3124	3410	3475
30	3.62	46.7	103	175	238	282	321	356	388	426	480	607	880	1266	1694	2100	2431	2642	2666
35	0.53	33.7	86.3	152	217	262	301	335	365	396	435	503	643	860	1126	1402	1641	1807	1853
40	3.34	40.9	92.9	158	216	258	295	327	354	380	410	441	482	555	670	807	932	1012	1024
45	0.83	28.1	74.6	133	191	233	269	301	328	351	376	401	428	467	527	601	671	720	735
50	2.96	32.9	77.4	134	185	224	257	287	311	332	352	371	387	401	413	425	434	440	442
55	1.16	21.6	59.3	108	156	193	226	254	277	298	317	334	349	361	371	378	384	388	389
60	2.62	24.2	58.5	102	143	177	206	231	252	271	288	303	316	326	332	335	335	336	337
65	1.46	14.4	41.3	74.5	109	139	164	186	207	224	240	255	267	277	283	287	288	290	292
70	2.29	14.4	36.3	61.2	87.3	111	130	151	169	183	198	211	223	231	236	239	242	245	246
75	1.72	7.25	23.0	40.9	59.5	78.2	94.2	110	125	137	148	159	169	176	182	186	189	192	194
80	2.08	5.19	16.6	28.2	39.6	52.0	63.9	74.1	85.3	95.2	104	112	119	125	129	133	137	140	141
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:31 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:220.01V I:1.7990A P:377.09W PF:0.9528 Freq:49.99Hz Lamp Flux:53340.4x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:400W	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	120	102	93.7	87.9	81.8	74.3	67.1	60.5	53.5	45.6	37.2	29.0	20.6	13.3	8.16	3.48	1.59	1.00	
-75	173	162	156	152	146	137	127	116	106	93.0	77.9	64.8	50.4	34.8	22.0	9.80	2.86	1.10	
-70	222	219	217	213	207	197	183	168	153	135	113	95.3	73.6	50.8	31.1	12.1	2.85	0.94	
-65	273	272	272	270	264	253	239	223	205	187	165	141	114	84.4	53.8	24.8	5.86	1.10	
-60	323	325	327	325	318	305	289	271	251	230	207	176	144	106	64.8	27.1	5.34	0.89	
-55	373	371	370	366	359	347	333	316	296	274	249	217	182	141	92.3	44.9	10.6	1.11	
-50	422	418	412	404	396	384	370	354	333	309	279	244	205	158	100	45.5	8.30	0.84	
-45	513	496	475	455	437	421	403	383	362	338	309	275	234	187	126	64.1	16.5	1.13	
-40	598	566	530	498	472	450	427	405	382	357	327	290	246	194	125	61.6	12.2	0.83	
-35	1194	1082	937	779	633	527	468	435	407	380	350	314	271	221	150	79.4	24.1	1.18	
-30	1753	1544	1282	997	744	573	494	453	420	392	360	322	277	222	145	73.8	18.6	0.84	
-25	2617	2359	2019	1622	1217	860	612	494	445	410	378	340	296	244	167	90.1	31.5	1.25	
-20	3395	3049	2604	2083	1534	1027	665	509	454	416	382	342	296	241	154	81.5	23.1	0.88	
-15	4006	3668	3230	2690	2081	1456	921	596	481	433	397	357	312	260	176	97.4	36.2	1.32	
-10	4499	4128	3654	3062	2374	1647	1007	612	486	436	397	355	309	254	161	87.8	26.5	0.88	
-5	4846	4484	4028	3443	2746	1978	1244	717	511	450	409	367	321	269	179	102	38.6	1.42	
0	5059	4676	4188	3562	2819	1999	1222	695	504	447	405	361	314	258	159	89.6	27.2	0.85	
5	5058	4676	4203	3600	2886	2091	1321	747	516	452	410	368	322	270	178	102	39.1	1.49	
10	4914	4504	3995	3368	2644	1861	1144	656	493	440	400	357	311	256	157	89.2	27.2	0.90	
15	4520	4147	3677	3095	2429	1723	1082	646	489	437	398	359	314	263	173	99.1	37.5	1.49	
20	3991	3620	3142	2567	1933	1309	800	535	458	417	382	343	298	243	150	83.9	24.6	0.99	
25	3299	2991	2586	2105	1591	1101	719	518	449	411	379	341	299	248	164	92.2	34.0	1.47	
30	2501	2215	1848	1441	1043	717	526	460	422	392	361	324	281	226	143	76.6	22.2	1.05	
35	1764	1581	1338	1071	820	621	495	440	408	381	352	317	276	226	150	82.1	28.8	1.44	
40	966	857	723	595	506	463	433	407	383	359	330	295	254	200	126	65.4	16.8	1.12	
45	711	658	588	517	462	430	408	386	364	343	315	282	244	196	129	68.4	22.3	1.40	
50	438	432	423	413	401	388	373	356	337	316	288	255	217	168	105	51.7	12.5	1.18	
55	389	386	382	376	367	355	342	326	309	288	263	234	199	156	101	51.4	15.1	1.37	
60	338	339	339	336	329	318	305	290	272	251	228	199	165	124	74.8	35.0	7.35	1.26	
65	291	291	291	288	281	272	259	244	228	211	188	164	136	102	64.9	32.0	8.41	1.35	
70	245	243	241	237	231	220	207	192	178	161	138	118	94.1	66.1	40.5	18.0	3.64	1.32	
75	192	189	186	182	176	167	157	145	134	120	103	86.6	68.7	48.7	30.1	14.5	3.78	1.37	
80	138	133	129	124	118	110	102	93.5	83.8	71.8	60.5	48.5	35.6	23.8	13.0	5.66	1.67	1.37	
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:31 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: