

# **Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1651.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	73.3V x 69.8H
	At 50% of Imax	33.5V x 33.7H
	At 90% of Imax	12.0V x 14.5H

Beam Flux	Total	996.3 lumens per klm.
	To 10% of Imax	652.0 lumens per klm.
	To 50% of Imax	326.2 lumens per klm.
	To 90% of Imax	52.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.6 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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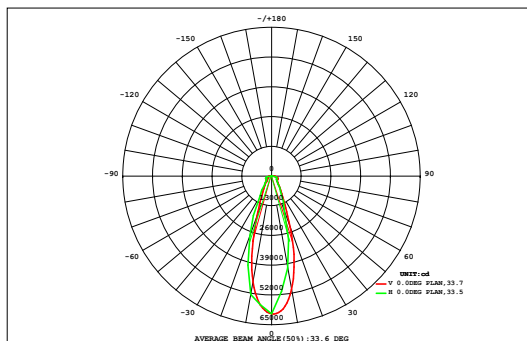
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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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:220.09V I:1.2995A P:282.13W PF:0.9864 Freq:49.99Hz Lamp Flux:36491.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:129.34lm/W	
NJZMODEL300-V01-RZ-30-PC-GR		Imax(cd)	60267
NOMINAL POWER(W)	300	AVAILABILITY(%)	64.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	23630
NOMINAL FLUX(lm)	36491.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	36491
TEST VOLTAGE(V)	220	θ @50%(H,V)	34,33DEG

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	1.71	11.1	22.8	36.1	51.3	63.7	73.9	81.5	86.9	86.3	80.1	71.3	60.2	46.9	32.8	19.8	8.21	0.65	835	0.00
70	2.28	11.7	24.9	40.4	55.3	65.5	72.9	78.8	84.8	84.8	78.3	71.6	64.0	52.5	37.2	22.5	10.2	1.47	859	0.00
60	2.73	13.4	29.3	46.3	57.5	63.7	70.6	77.5	81.6	81.4	77.3	70.7	64.4	56.5	43.4	26.6	11.9	1.94	877	0.00
50	3.04	14.8	32.6	47.1	55.5	71.0	90.5	108	117	116	106	88.3	69.4	55.6	46.3	30.1	13.3	2.29	1067	0.00
40	3.28	15.9	33.9	45.4	62.0	89.9	131	181	213	210	173	125	86.4	60.6	45.7	31.8	14.4	2.54	1524	482
30	3.44	16.6	33.5	46.6	70.1	115	206	377	512	497	341	185	108	67.6	46.3	32.3	15.1	2.71	2675	2040
	3.53	17.0	33.0	48.4	78.1	143	314	762	1144	1106	668	268	130	74.1	47.6	31.9	15.3	2.80	4888	4356
	3.56	17.2	32.8	49.4	82.8	161	396	1092	1692	1641	951	328	145	77.9	48.5	31.6	15.5	2.85	6767	6274
	3.53	17.1	32.8	49.2	82.0	158	381	1014	1558	1515	874	310	141	76.9	48.2	31.4	15.3	2.79	6310	5807
	3.40	16.7	32.9	47.8	75.9	134	275	600	855	835	513	233	123	71.9	46.9	31.2	14.9	2.71	3912	3356
	3.20	16.3	33.2	46.1	68.2	108	174	253	309	299	230	157	100	65.2	45.3	30.9	14.3	2.50	1955	1196
-30	2.89	15.4	32.9	44.9	60.7	85.6	118	147	165	163	144	113	81.9	58.9	44.4	30.1	13.6	2.22	1323	120
-40	2.50	14.3	30.9	45.0	54.6	68.7	84.5	96.4	102	101	95.4	82.6	66.9	53.7	43.3	28.1	12.5	1.82	985	0.00
-50	2.05	12.8	27.5	43.5	52.8	60.1	67.8	74.4	78.0	77.7	73.8	67.1	59.0	51.3	40.1	24.8	11.1	1.38	825	0.00
-60	1.61	11.1	23.3	37.5	51.5	59.2	63.9	69.2	74.8	73.7	67.8	62.6	57.2	47.5	34.1	20.7	9.42	0.94	766	0.00
-70	1.15	8.98	18.6	29.4	41.0	51.6	59.4	65.8	71.9	70.2	63.2	56.3	47.9	37.3	26.3	16.1	7.06	0.51	673	0.00
-80	0.40	3.52	7.29	11.2	15.2	19.0	22.5	25.0	25.9	25.7	24.2	21.1	17.4	13.6	9.61	5.92	2.30	0.07	250	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	44.3	234	482	714	1015	1517	2601	5102	7170	6983	4561	2312	1422	968	686	446	204	32.2	36491	---
Φ a	0.00	0.00	0.00	0.00	0.00	314	1667	4214	6225	6045	3672	1323	170	0.00	0.00	0.00	0.00	0.00	---	23630

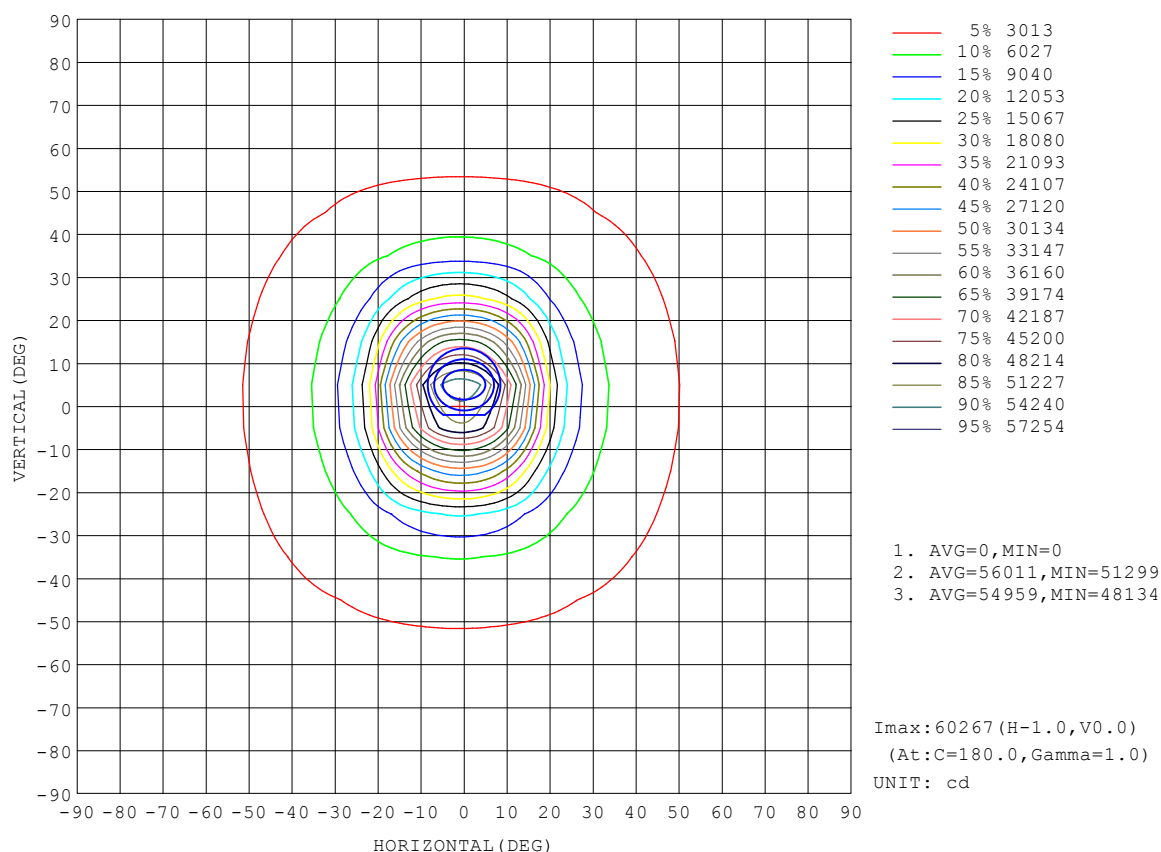
one-half-peak spread: U:14.6,D:19.1 , L:17.0,R:17.0 IESNA Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 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:220.09V I:1.2995A P:282.13W PF:0.9864 Freq:49.99Hz Lamp Flux:36491.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

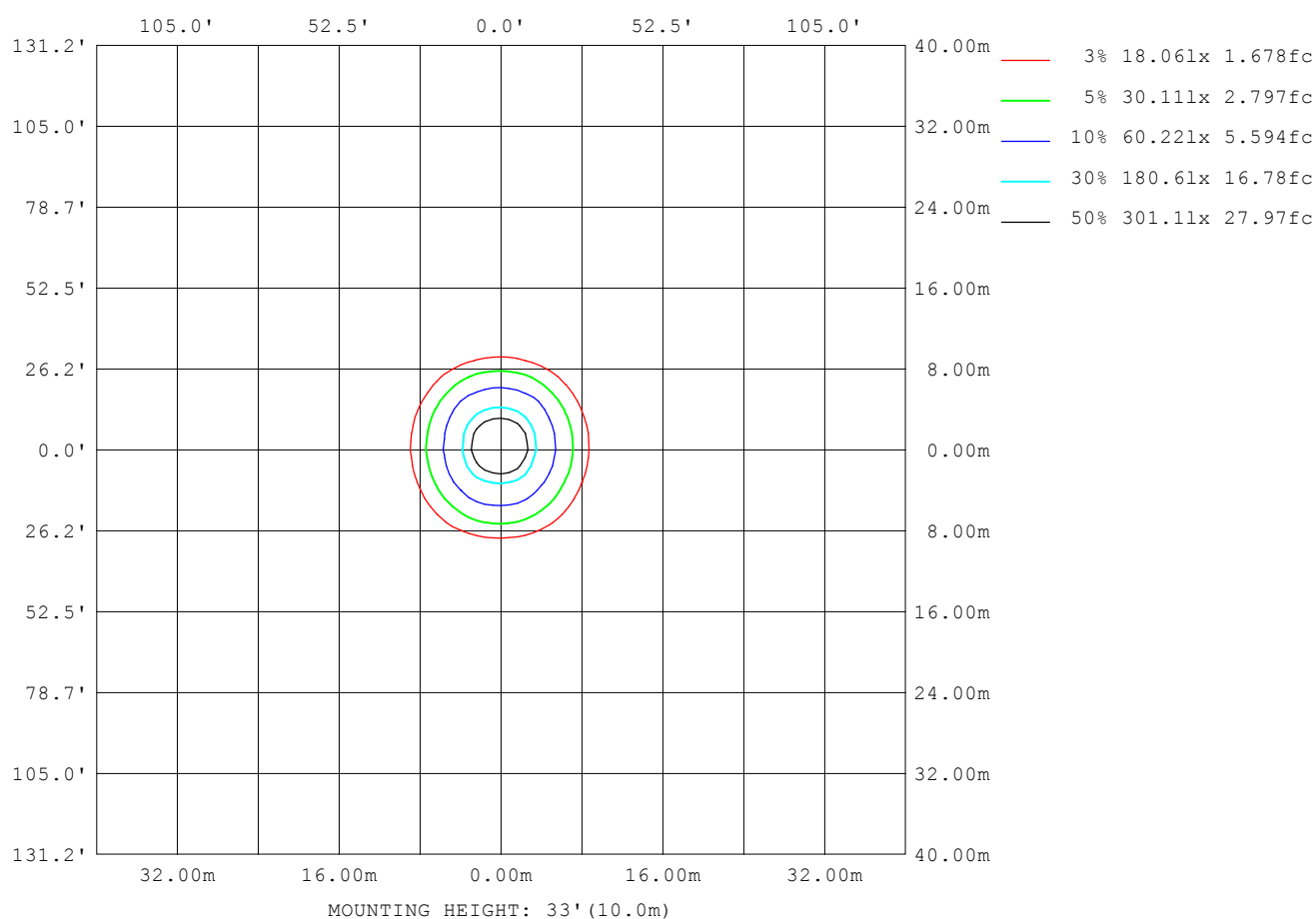


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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:

### ISOLUX DIAGRAM

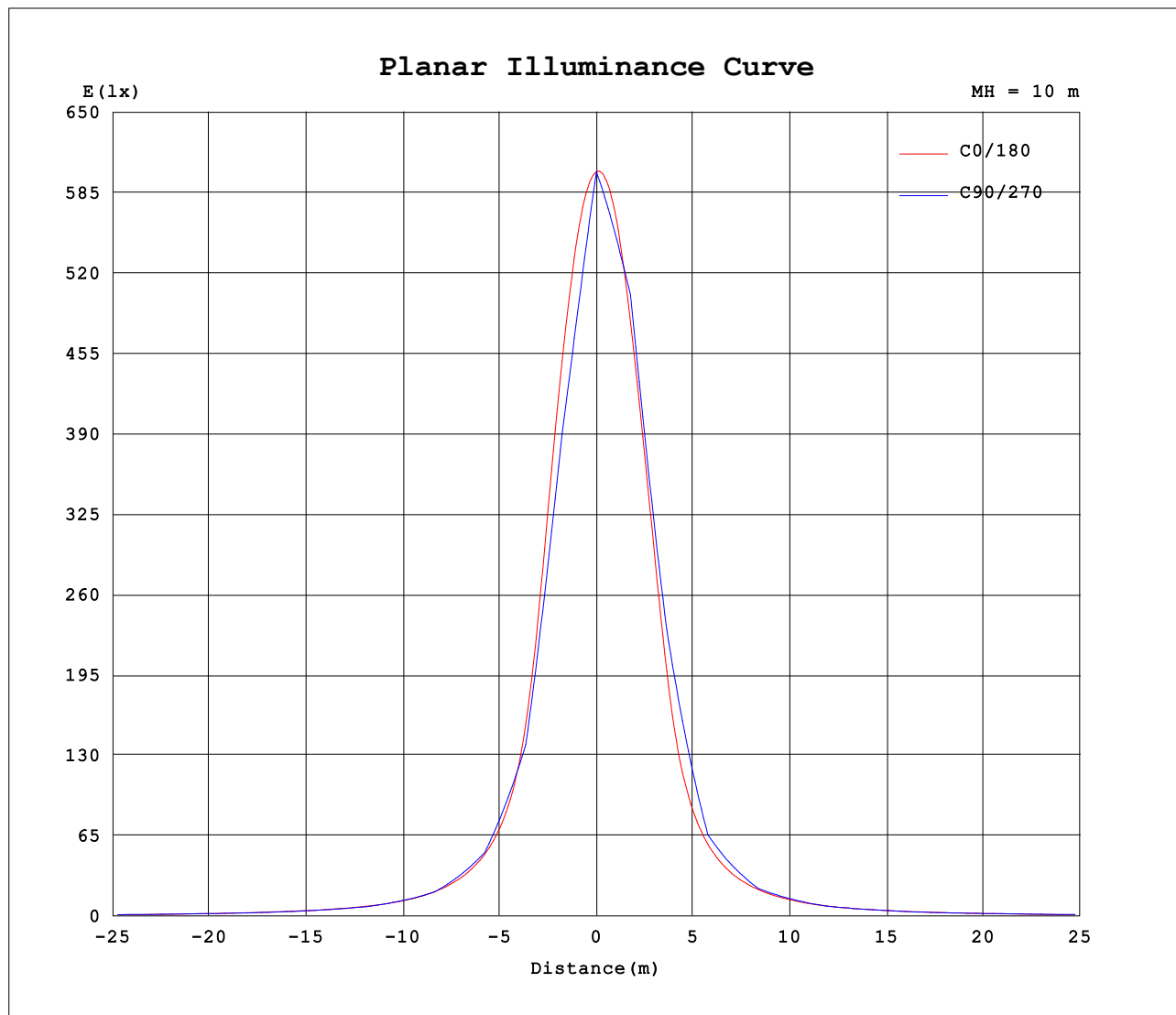
Test:U:220.09V I:1.2995A P:282.13W PF:0.9864 Freq:49.99Hz Lamp Flux:36491.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 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



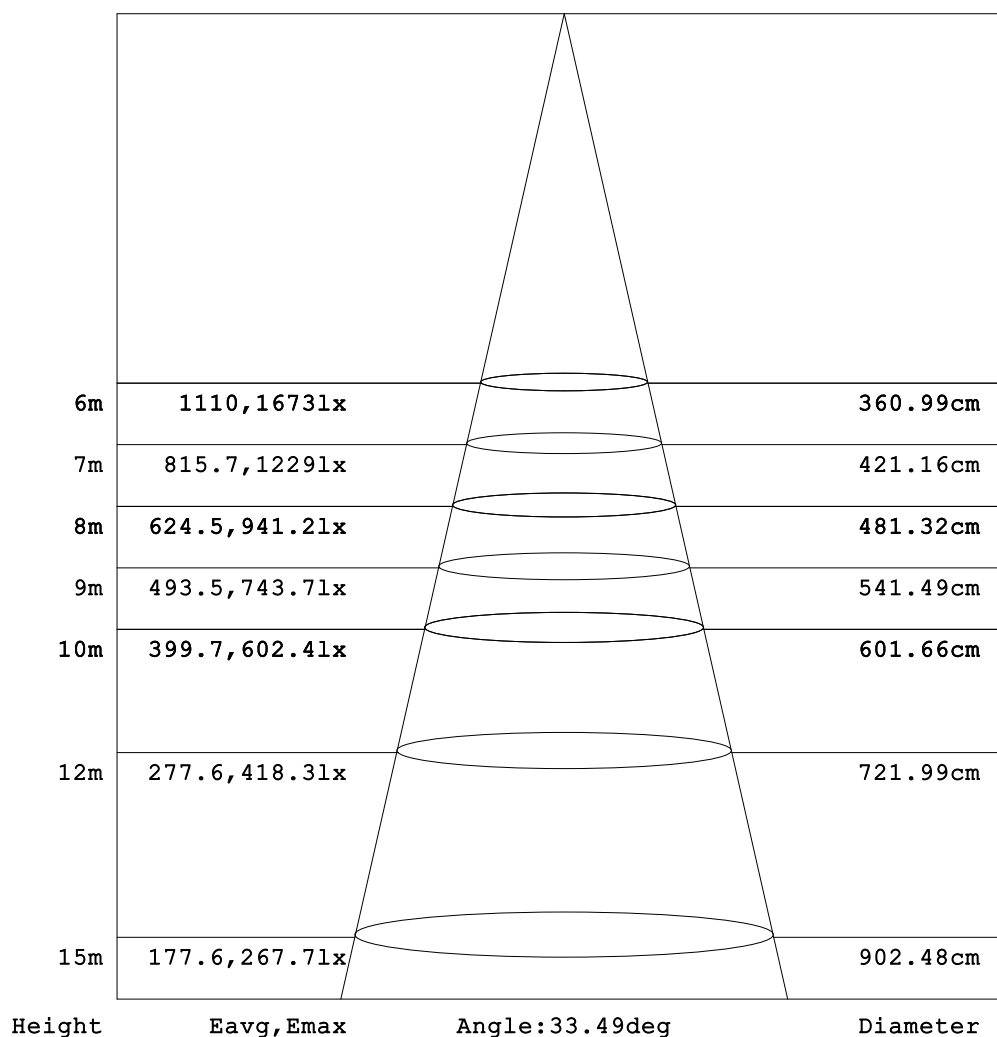
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 October 2019

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:220.09V I:1.2995A P:282.13W PF:0.9864 Freq:49.99Hz Lamp Flux:36491.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:11737 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:18 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:220.09V I:1.2995A P:282.13W PF:0.9864 Freq:49.99Hz Lamp Flux:36491.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	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	1.25	18.2	63.7	97.8	111	123	133	141	149	157	163	168	174	178	182	186	188	189	189
-75	1.26	24.2	77.8	113	129	143	156	167	177	188	195	200	205	208	211	215	221	227	228
-70	1.27	30.2	91.9	128	146	163	180	193	205	218	227	232	236	237	240	245	253	264	266
-65	1.31	36.7	105	139	160	180	199	213	225	236	238	237	236	236	238	242	248	255	257
-60	1.35	43.1	117	150	173	197	218	233	245	254	250	243	237	235	236	239	243	247	248
-55	1.38	49.6	127	159	186	212	234	248	250	249	247	247	248	253	258	262	266	269	270
-50	1.42	56.0	137	168	199	227	249	263	255	244	243	251	260	270	280	286	290	292	292
-45	1.51	63.9	143	177	210	239	257	260	254	254	263	278	296	315	333	347	357	363	364
-40	1.61	71.7	149	186	222	251	265	257	253	264	282	305	332	360	386	408	424	433	435
-35	1.73	80.7	154	191	229	257	262	257	262	280	307	344	388	438	492	543	584	609	614
-30	1.86	89.6	158	197	236	263	260	256	271	296	333	382	443	516	598	678	743	784	794
-25	1.98	102	162	202	239	262	258	261	280	313	361	428	518	641	800	972	1117	1211	1235
-20	2.10	113	165	206	243	262	256	266	290	330	389	474	593	766	1002	1267	1490	1637	1676
-15	2.18	115	167	209	244	259	257	270	299	346	417	523	684	950	1405	2011	2493	2795	2882
-10	2.27	117	169	211	245	256	258	275	307	361	445	573	776	1133	1809	2755	3495	3954	4088
-5	2.36	118	171	213	246	256	260	277	312	370	462	603	835	1262	2100	3293	4265	4891	5055
0	2.44	119	172	215	248	255	261	280	317	379	478	634	895	1391	2391	3831	5034	5829	6022
5	2.53	119	172	215	248	255	261	279	314	375	470	619	866	1327	2263	3618	4734	5463	5642
10	2.61	118	171	214	248	256	261	278	312	370	462	605	836	1263	2135	3405	4434	5097	5262
15	2.86	117	170	212	247	258	259	274	304	356	436	559	752	1090	1740	2661	3428	3911	4027
20	3.10	117	169	211	246	261	258	270	296	341	411	513	667	918	1346	1916	2422	2724	2791
25	3.11	114	166	206	243	264	259	265	286	323	378	458	574	750	1025	1374	1678	1861	1902
30	3.12	112	163	202	240	266	261	260	276	304	346	404	481	582	705	832	934	997	1012
35	3.12	108	159	197	235	265	266	259	267	288	319	362	416	485	565	645	708	747	756
40	3.12	105	155	191	229	263	272	258	259	271	292	319	352	388	425	457	482	496	499
45	3.11	99.5	149	184	219	253	269	267	260	261	272	290	312	336	359	380	395	403	405
50	3.10	94.0	143	176	209	242	267	276	261	251	253	261	272	284	294	303	308	310	310
55	3.07	86.7	135	166	196	226	251	264	263	261	258	257	258	263	269	274	278	281	281
60	3.03	79.4	128	157	183	210	235	253	266	272	263	252	245	243	243	245	248	251	253
65	2.99	66.1	118	145	169	192	213	230	244	255	256	253	253	253	254	256	261	267	270
70	2.95	52.8	108	134	154	173	191	206	222	237	248	254	261	263	265	268	274	283	287
75	2.96	36.9	93.9	118	135	151	164	176	191	204	213	219	224	228	231	235	240	245	247
80	2.98	20.9	79.4	103	117	128	136	146	161	171	178	183	188	194	198	202	206	207	207
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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:18 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:220.09V I:1.2995A P:282.13W PF:0.9864 Freq:49.99Hz Lamp Flux:36491.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:300W	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	187	184	179	173	168	162	155	149	141	132	123	114	102	87.8	68.2	28.7	1.35	1.05	
-75	222	214	208	202	197	193	187	180	170	160	148	137	123	107	87.6	46.3	5.11	1.04	
-70	256	245	236	231	227	224	219	211	200	187	174	160	144	127	107	64.0	8.88	1.03	
-65	250	242	236	232	230	229	228	225	218	206	194	178	160	140	118	77.2	13.6	1.02	
-60	245	240	236	234	233	235	238	239	236	225	213	197	175	153	129	90.5	18.3	1.01	
-55	268	264	260	255	249	245	242	239	240	237	228	212	191	165	138	102	24.1	1.02	
-50	291	289	284	276	266	255	245	240	243	249	243	228	206	177	147	113	30.0	1.02	
-45	360	353	341	325	306	287	270	256	250	250	249	238	217	187	155	120	36.0	1.04	
-40	429	417	399	375	347	320	294	273	258	250	255	249	228	196	162	126	42.1	1.06	
-35	599	566	519	467	415	368	328	296	272	257	254	252	233	203	168	131	50.3	1.09	
-30	769	714	640	560	484	417	362	318	286	265	254	256	239	209	174	136	58.4	1.12	
-25	1179	1045	872	710	579	477	399	341	300	273	257	255	240	212	178	139	68.5	1.12	
-20	1589	1376	1105	860	674	536	437	364	314	281	261	255	242	216	182	143	78.5	1.12	
-15	2730	2323	1701	1147	812	611	480	389	328	288	266	256	243	219	186	146	81.7	1.16	
-10	3871	3271	2297	1433	951	685	522	414	342	296	270	257	244	222	189	148	84.9	1.19	
-5	4765	3989	2795	1656	1042	728	545	427	349	300	273	258	244	224	191	150	85.7	1.26	
0	5659	4707	3292	1880	1133	771	568	439	356	304	275	259	244	225	192	151	86.4	1.33	
5	5299	4421	3123	1804	1103	756	559	434	353	303	274	259	245	225	193	151	86.9	1.40	
10	4940	4135	2953	1728	1073	741	550	429	350	301	274	259	246	226	193	151	87.3	1.46	
15	3783	3193	2316	1430	935	671	511	407	338	295	270	259	248	225	191	150	85.4	1.51	
20	2626	2251	1679	1133	798	601	473	385	326	288	267	259	250	225	190	148	83.4	1.56	
25	1801	1572	1230	894	671	527	428	359	311	280	263	261	251	223	187	146	80.8	1.58	
30	976	893	780	655	543	453	384	333	296	272	259	263	252	222	184	143	78.2	1.59	
35	733	683	613	533	459	397	347	309	281	265	261	263	247	216	179	139	73.5	1.62	
40	491	472	445	411	375	341	310	285	267	257	263	263	242	210	173	134	68.7	1.64	
45	400	389	372	351	328	304	284	268	260	260	263	255	232	200	165	128	62.9	1.66	
50	309	305	300	291	280	268	258	250	252	263	264	247	222	190	158	122	57.0	1.68	
55	280	277	272	267	262	258	257	257	257	255	248	230	206	177	148	114	48.6	1.70	
60	251	248	245	244	244	247	256	263	262	247	232	214	190	164	138	105	40.3	1.73	
65	267	260	255	252	249	249	250	248	242	226	211	193	172	150	125	93.3	29.4	1.75	
70	282	273	265	261	255	250	243	234	221	205	189	173	155	136	113	81.2	18.5	1.78	
75	244	237	231	226	221	215	207	199	188	175	161	147	132	114	90.9	56.6	10.4	1.82	
80	205	202	198	192	186	179	171	164	154	144	133	121	108	91.9	68.6	31.9	2.32	1.87	
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:18 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: