

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	523.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	131.1V x 151.2H
	At 50% of Imax	48.2V x 134.8H
	At 90% of Imax	11.4V x 131.3H

Beam Flux	Total	999.3 lumens per klm.
	To 10% of Imax	965.4 lumens per klm.
	To 50% of Imax	631.0 lumens per klm.
	To 90% of Imax	97.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

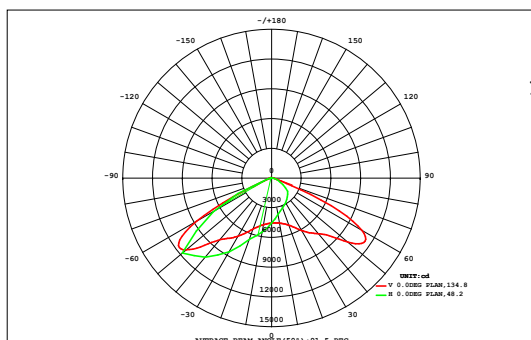
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:25 October 2019

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:220.18V I:0.8816A P:184.49W PF:0.9504 Freq:49.99Hz Lamp Flux:25884.4x1 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:140.30lm/W	
NJZ MODEL 200-V01-RZ-T3-PC-BL		Imax(cd)	13543
NOMINAL POWER(W)	200	AVAILABILITY(%)	96.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	24992
NOMINAL FLUX(lm)	25884.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	25884
TEST VOLTAGE(V)	220	θ @50%(H,V)	135,48DEG

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	0.07	0.63	1.79	3.42	5.49	8.13	11.0	12.4	12.8	12.7	12.2	10.8	8.14	5.44	3.36	1.73	0.60	0.07	111	0.00
70	0.14	1.14	3.19	6.96	21.6	72.1	108	105	95.0	92.9	99.5	103	73.9	24.2	7.10	3.11	1.07	0.12	817	693
60	0.22	1.70	4.93	18.4	109	253	316	308	291	290	305	305	234	107	21.5	4.87	1.61	0.20	2573	2534
50	0.30	2.30	7.52	68.6	250	331	342	354	360	361	356	341	320	231	66.7	7.75	2.17	0.26	3403	3376
40	0.37	2.87	14.9	158	282	290	294	295	291	292	297	296	289	270	142	16.3	2.69	0.33	3232	3212
30	0.44	3.34	36.4	211	274	267	259	242	232	234	247	265	271	272	197	33.3	3.13	0.39	3049	3033
20	0.51	3.76	61.9	224	250	231	210	189	181	183	195	220	241	256	216	52.8	3.53	0.44	2720	2706
10	0.55	4.17	74.0	208	211	191	173	157	153	155	163	182	203	222	208	63.7	3.90	0.48	2372	2359
0	0.58	4.63	71.1	175	163	152	139	128	125	127	133	149	163	178	178	60.1	4.05	0.50	1952	1940
-10	0.58	4.58	56.2	136	126	122	114	107	105	106	111	122	130	136	140	47.4	3.98	0.50	1567	1555
-20	0.56	4.29	38.1	101	103	101	97.8	93.7	92.1	92.9	96.8	103	107	110	103	29.8	3.75	0.47	1278	1265
-30	0.50	3.96	21.2	70.2	87.2	86.5	85.3	83.2	81.5	82.3	85.6	89.1	90.3	91.4	69.2	15.3	3.54	0.42	1047	1028
-40	0.42	3.57	11.0	39.9	67.3	74.1	73.9	71.9	70.2	70.9	73.6	76.4	77.1	69.6	34.9	7.75	3.23	0.33	826	798
-50	0.31	2.96	7.02	16.2	37.4	51.9	55.6	54.6	53.7	54.1	55.8	57.5	52.9	34.8	12.3	6.08	2.66	0.23	556	489
-60	0.20	1.91	4.78	7.43	11.0	19.6	26.0	28.1	29.5	29.6	28.7	26.1	17.6	9.12	6.57	4.33	1.57	0.12	252	5.35
-70	0.10	0.72	1.93	3.85	5.81	7.15	9.18	11.5	12.9	12.8	11.2	8.81	6.83	5.44	3.49	1.67	0.54	0.06	104	0.00
-80	0.04	0.21	0.45	0.79	1.37	2.04	2.77	2.71	2.63	2.58	2.71	2.47	1.72	1.07	0.58	0.28	0.09	0.01	24.5	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	5.91	46.7	416	1450	2006	2259	2318	2244	2189	2199	2273	2357	2287	2023	1410	356	42.1	4.93	25884	---
Φ a	0.00	1.31	353	1399	1964	2212	2260	2177	2120	2127	2206	2301	2243	1979	1361	291	0.00	0.00	---	24992

one-half-peak spread: U:37.1,D:11.8 , L:12.9,R:12.9

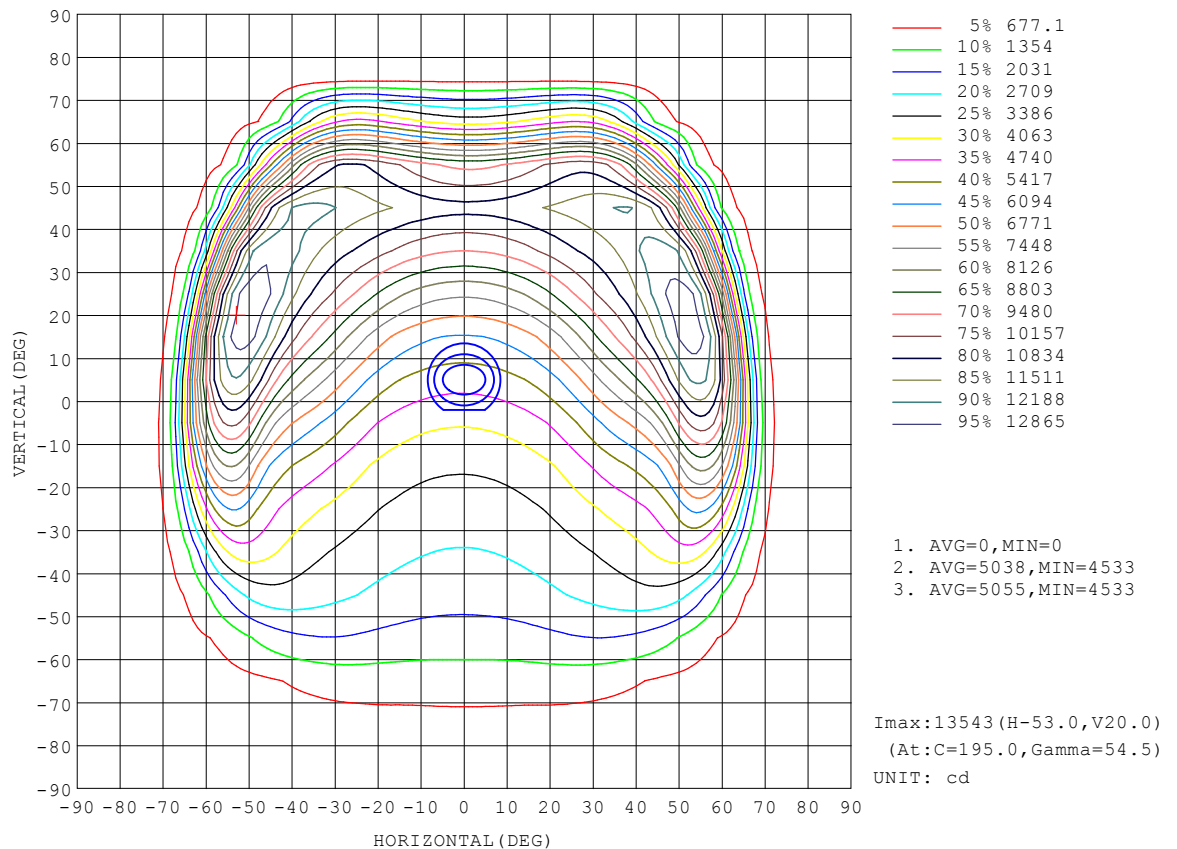
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:25 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:220.18V I:0.8816A P:184.49W PF:0.9504 Freq:49.99Hz Lamp Flux:25884.4x1 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

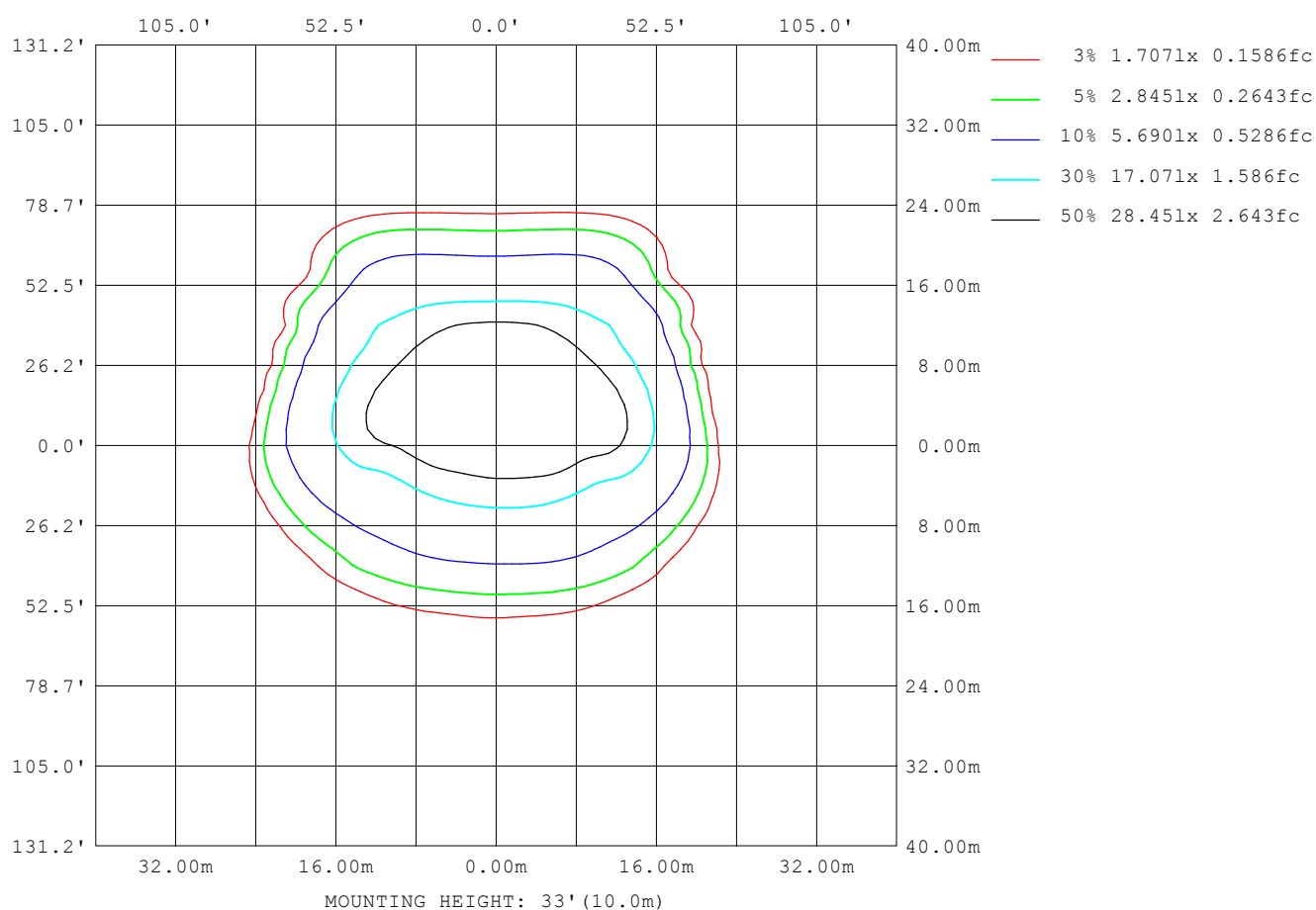


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Remarks:

ISOLUX DIAGRAM

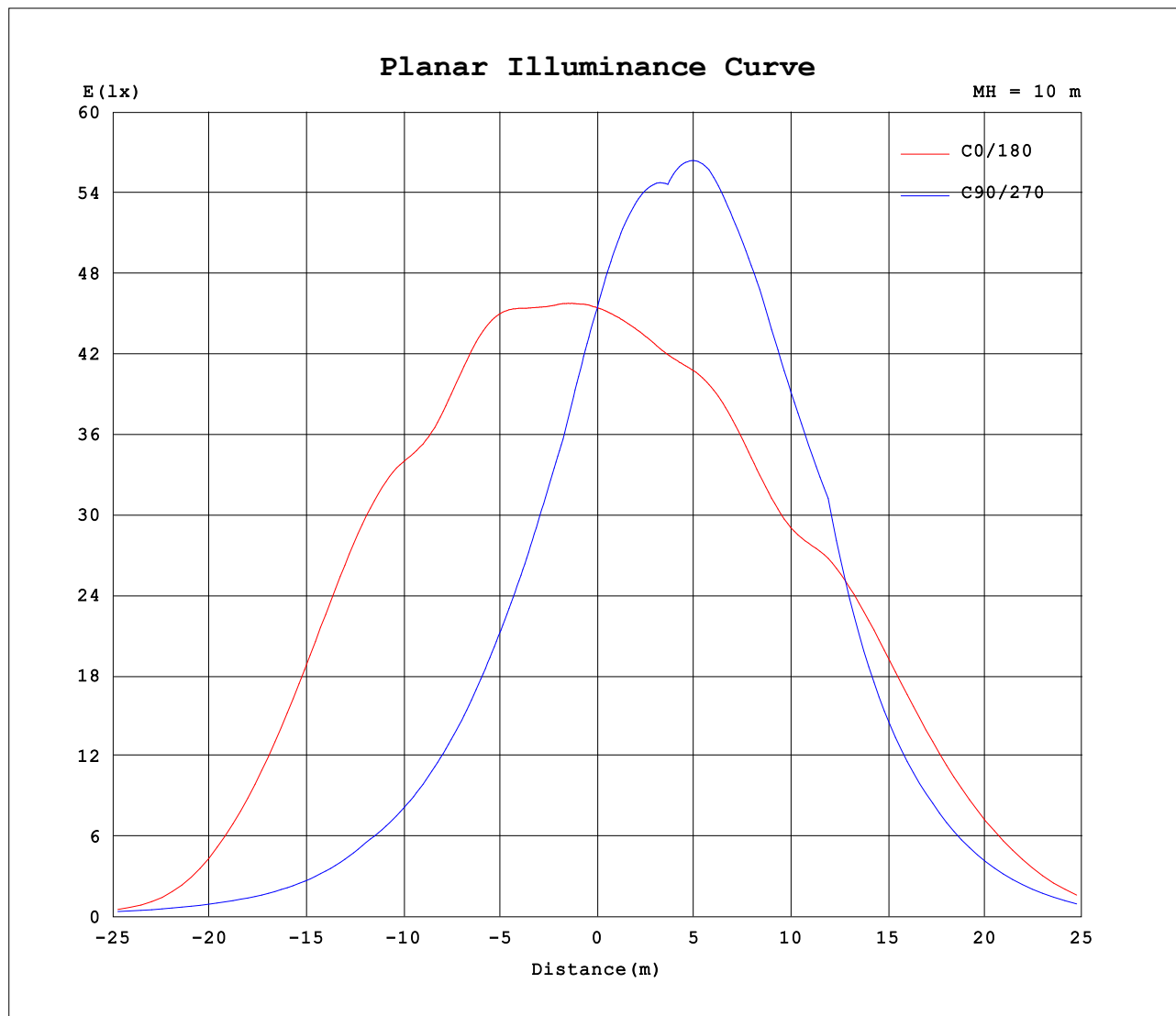
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SPEC.:200W	DIM.: N/A	SERIAL No.:N/A
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Operators:CL
Test Date:25 October 2019

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



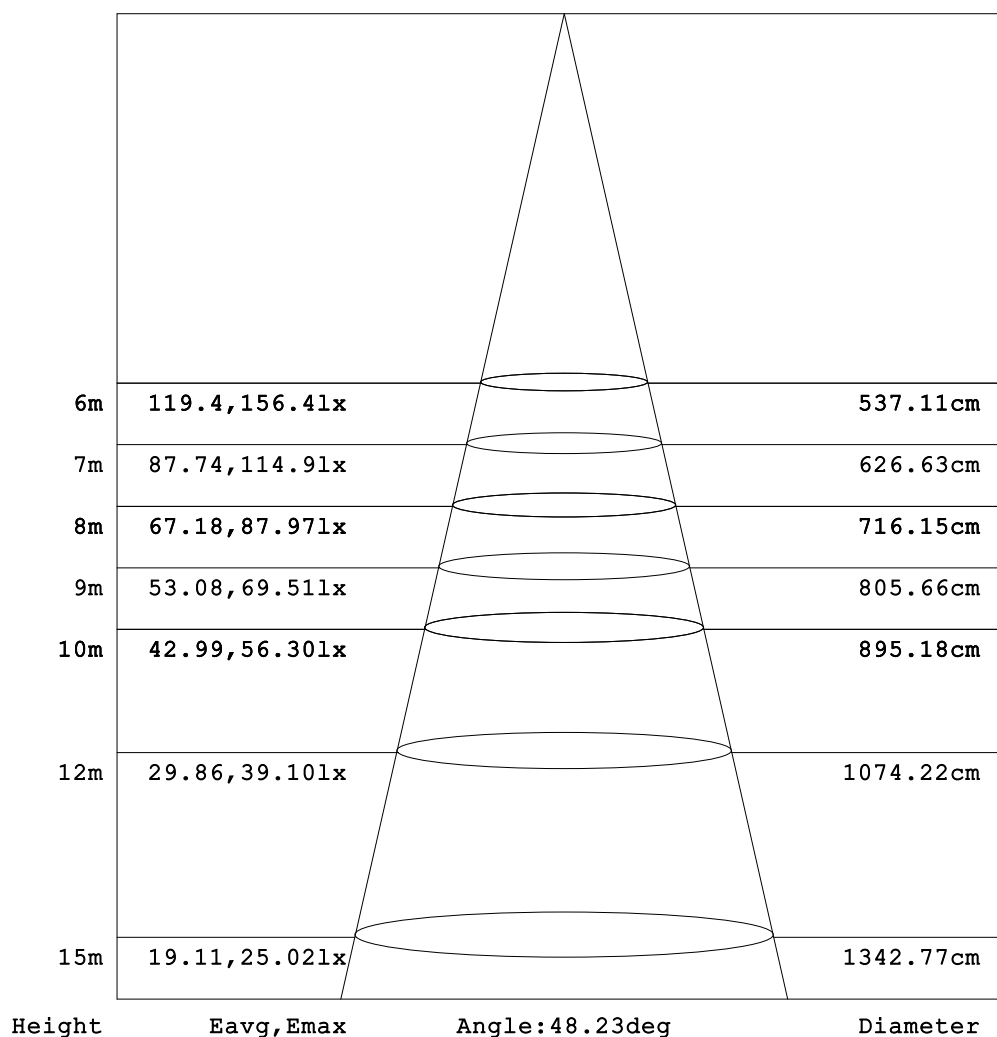
H(β) Range:-90 - 90DEG
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 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:25 October 2019

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:220.18V I:0.8816A P:184.49W PF:0.9504 Freq:49.99Hz Lamp Flux:25884.4x1 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:2805 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:25 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:220.18V I:0.8816A P:184.49W PF:0.9504 Freq:49.99Hz Lamp Flux:25884.4x1 lm		
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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

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	1.57	2.29	4.63	6.46	8.04	9.70	11.5	13.3	15.6	18.0	20.3	22.3	24.7	26.9	27.5	26.7	26.8	26.9	26.9
-75	1.26	2.28	5.30	9.11	12.3	15.3	18.6	22.0	25.6	28.6	31.7	34.2	36.9	39.9	42.6	43.6	44.9	46.1	46.4
-70	1.69	3.68	9.35	14.4	19.1	23.4	28.6	33.6	38.1	41.7	45.3	48.1	51.6	55.2	59.0	61.3	64.2	65.7	65.9
-65	1.08	3.05	10.7	20.4	28.4	34.1	39.8	45.5	52.2	60.9	73.5	84.8	94.0	97.8	98.5	98.1	98.0	99.0	99.4
-60	1.82	6.34	20.7	33.4	42.6	49.2	55.8	62.2	72.4	89.5	111	130	141	141	138	134	132	133	133
-55	0.82	3.99	18.0	33.8	44.6	52.8	64.4	89.8	129	164	188	199	201	196	188	181	175	172	172
-50	1.93	9.48	29.5	44.3	53.1	64.2	88.4	148	216	262	276	271	259	246	233	222	215	211	211
-45	0.52	5.06	24.3	42.1	52.9	68.9	124	212	284	314	314	302	286	271	258	246	237	231	230
-40	2.03	13.3	35.2	49.7	62.0	104	228	343	385	372	344	320	301	286	273	262	254	249	250
-35	0.08	6.40	28.6	46.2	59.3	111	266	406	444	418	382	354	333	314	298	285	275	269	267
-30	2.12	16.6	37.9	52.5	77.5	223	435	524	491	434	396	370	348	329	312	299	290	286	286
-25	0.00	8.57	30.8	48.0	67.5	204	467	607	576	497	447	415	389	363	340	323	312	305	304
-20	2.22	18.8	39.3	54.5	113	402	651	703	591	512	470	439	408	378	353	337	327	323	323
-15	0.00	10.6	31.5	48.3	76.6	322	671	814	743	604	541	503	466	427	393	371	356	349	347
-10	2.26	18.9	38.7	54.8	145	558	862	916	764	633	579	538	492	447	413	391	378	373	373
-5	0.00	11.1	30.9	47.3	80.6	403	849	1027	961	778	679	626	574	519	473	443	425	415	413
0	2.31	18.8	37.5	53.6	163	663	1048	1135	1008	821	733	674	612	551	506	478	462	454	455
5	0.00	10.7	29.4	45.2	74.6	387	949	1199	1171	998	861	780	711	641	582	542	518	505	502
10	2.87	17.4	34.9	50.1	114	613	1128	1293	1215	1044	917	832	754	679	621	584	562	552	552
15	0.00	9.95	27.0	42.1	63.4	275	900	1263	1310	1185	1039	941	860	781	710	658	627	609	604
20	2.81	15.9	31.9	46.1	77.8	415	1050	1331	1330	1200	1073	984	902	822	753	704	674	659	659
25	0.00	8.88	23.9	38.0	53.8	149	643	1155	1329	1287	1170	1075	1005	940	877	824	786	764	757
30	2.67	13.5	27.6	40.7	58.1	170	725	1191	1328	1284	1181	1107	1056	1007	955	909	877	860	858
35	0.00	7.59	20.1	32.7	45.6	75.8	297	813	1181	1282	1244	1170	1116	1076	1039	1003	974	955	948
40	2.55	11.2	22.9	34.4	47.1	73.4	252	808	1164	1271	1246	1183	1142	1116	1093	1071	1054	1044	1041
45	0.00	6.27	16.0	26.4	36.8	50.8	99.6	348	748	1073	1220	1247	1220	1187	1164	1145	1127	1114	1108
50	2.40	8.67	17.5	26.6	35.7	48.7	74.0	198	640	1030	1238	1295	1271	1239	1219	1203	1188	1178	1176
55	0.00	4.68	11.9	19.7	27.2	35.8	49.3	85.6	259	534	786	984	1077	1091	1061	1016	975	944	929
60	2.25	6.44	12.4	18.9	24.8	32.2	42.2	61.2	103	240	516	770	909	926	867	794	733	693	681
65	0.08	2.71	8.16	13.2	18.2	23.5	29.9	39.1	55.7	103	220	365	464	498	481	445	411	386	374
70	1.28	2.49	7.84	11.5	15.4	19.9	23.7	27.9	33.1	39.0	45.8	53.9	62.0	66.1	67.8	67.8	67.2	66.0	65.4
75	0.67	1.39	4.20	7.15	9.72	12.7	15.9	18.4	21.4	24.8	28.6	32.7	37.8	41.3	43.3	43.6	43.3	43.1	42.8
80	1.02	1.28	3.33	4.81	6.26	8.13	10.2	11.2	12.4	13.6	14.5	15.6	17.0	18.4	19.4	19.2	19.4	20.0	20.0
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:25 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:220.18V I:0.8816A P:184.49W PF:0.9504 Freq:49.99Hz Lamp Flux:25884.4x1 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	26.7	26.5	26.9	27.2	25.4	22.8	20.6	18.3	16.2	13.7	11.6	9.81	7.89	6.10	4.29	2.24	1.28	0.78	
-75	46.2	45.2	43.7	42.8	40.2	37.1	34.2	31.5	28.3	25.3	21.8	18.4	15.0	12.0	8.62	5.18	1.97	0.98	
-70	65.2	62.7	59.8	56.6	52.5	49.0	45.6	42.1	38.1	34.2	29.3	24.3	19.7	15.2	10.3	5.13	1.68	0.72	
-65	99.2	98.5	98.7	99.5	98.5	94.2	84.6	72.6	59.8	51.0	44.4	38.9	33.3	28.0	20.8	12.0	3.41	1.05	
-60	133	134	138	142	142	133	114	92.9	73.4	62.4	55.1	49.0	42.8	35.5	24.5	11.0	2.22	0.64	
-55	172	175	181	190	198	203	200	190	167	132	91.4	63.7	51.6	44.0	35.0	21.4	5.76	1.12	
-50	214	220	231	244	259	273	281	272	235	170	100	66.8	53.8	46.1	35.6	18.4	3.03	0.57	
-45	232	238	247	260	274	290	306	318	319	292	223	132	70.4	52.2	43.1	28.5	8.45	1.18	
-40	254	262	273	287	302	320	342	368	389	369	273	135	67.8	51.0	40.7	23.2	3.81	0.32	
-35	270	277	288	302	320	339	360	385	418	448	423	297	131	60.9	46.8	32.5	11.6	1.24	
-30	290	300	313	331	352	374	397	427	474	529	496	320	111	56.1	43.3	26.4	5.12	0.18	
-25	306	314	327	346	371	399	427	455	496	573	625	517	257	76.7	48.6	34.5	14.5	1.30	
-20	327	338	354	379	412	447	478	511	569	689	711	532	201	63.8	43.9	27.5	7.47	0.04	
-15	351	359	375	400	436	479	519	556	608	737	836	741	413	98.8	49.5	34.9	15.7	1.36	
-10	380	392	413	446	493	544	589	634	723	900	940	738	300	68.3	43.7	27.9	8.42	0.01	
-5	417	429	448	480	527	587	644	697	782	954	1057	938	524	110	49.0	34.2	15.8	1.41	
0	463	479	505	547	608	677	740	812	960	1127	1145	877	316	70.2	42.2	26.8	8.28	0.04	
5	507	522	546	586	646	720	795	872	991	1160	1234	1058	529	99.5	47.1	32.6	15.3	1.56	
10	561	582	615	668	741	825	909	1009	1158	1293	1260	899	257	61.0	40.2	25.4	8.07	0.00	
15	610	629	661	712	783	865	947	1035	1159	1293	1305	1024	401	79.9	44.0	30.2	14.2	1.68	
20	671	698	742	807	888	972	1051	1149	1277	1350	1215	704	142	52.5	37.0	22.7	7.44	0.00	
25	765	787	824	877	941	1007	1070	1146	1251	1321	1223	788	215	61.6	40.0	26.9	12.5	1.66	
30	872	901	944	996	1046	1091	1143	1224	1301	1274	971	360	80.1	45.9	32.9	19.8	6.46	0.04	
35	954	972	1001	1037	1074	1108	1149	1209	1258	1207	921	403	99.6	48.7	34.8	22.8	10.4	1.57	
40	1048	1063	1086	1108	1129	1154	1198	1243	1211	980	465	111	54.5	38.5	27.3	16.0	5.31	0.20	
45	1111	1122	1139	1157	1175	1197	1220	1212	1105	837	438	128	57.3	38.6	28.2	18.1	8.28	1.41	
50	1181	1193	1207	1220	1238	1260	1250	1127	829	370	107	57.6	40.2	30.0	21.1	12.3	3.87	0.38	
55	933	955	988	1027	1057	1054	985	824	587	331	114	55.0	38.3	28.6	21.0	13.4	6.18	1.30	
60	698	741	800	861	885	812	615	341	145	74.9	48.4	35.6	27.9	21.1	14.7	8.72	2.24	0.43	
65	377	394	421	452	474	458	380	249	121	63.1	41.6	31.0	24.8	19.0	13.9	8.95	3.46	1.16	
70	66.1	66.9	66.8	66.0	62.9	57.5	48.9	41.1	34.7	29.6	24.7	21.1	17.0	12.7	8.96	5.33	1.22	0.69	
75	42.8	43.0	42.8	42.7	41.1	38.2	33.7	29.0	25.0	21.8	18.6	16.0	13.2	10.1	7.35	4.70	1.41	0.97	
80	19.7	18.8	18.9	18.5	17.3	15.8	14.6	13.6	12.7	11.4	10.2	8.89	6.78	5.14	3.70	1.71	0.94	0.84	
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:25 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: