

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	351.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	153.4V x 151.8H
	At 50% of Imax	115.6V x 115.6H
	At 90% of Imax	55.9V x 55.5H

Beam Flux	Total	998.5 lumens per klm.
	To 10% of Imax	984.6 lumens per klm.
	To 50% of Imax	792.7 lumens per klm.
	To 90% of Imax	239.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

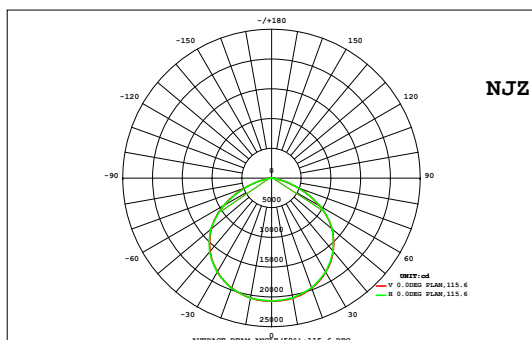
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:28 October 2019

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:219.96V I:1.8958A P:410.82W PF:0.9852 Freq:49.99Hz Lamp Flux:58852.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A



DATA OF LAMP		Eff:143.26lm/W	
FLUORESCENT-V01	RZ-120-TG-U-GR	Imax (cd)	20677
NOMINAL POWER (W)	420	AVAILABILITY (%)	98.8
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	58128
NOMINAL FLUX (lm)	58852.3	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	58852
TEST VOLTAGE (V)	220	θ @50% (H, V)	116,116DEG

		AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
VERTICAL (DEG)	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	0.08	0.68	2.99	9.07	20.2	34.9	50.0	62.8	70.2	70.8	64.7	52.6	37.3	22.1	10.3	3.43	0.77	0.09	513	329
	70	0.13	1.80	10.9	33.7	69.7	112	154	187	205	206	189	158	117	73.3	36.4	12.3	2.10	0.14	1568	1504
	60	0.20	4.50	26.1	72.8	138	208	273	320	347	347	322	275	211	141	75.7	28.1	5.13	0.22	2795	2765
	50	0.31	8.33	44.3	113	201	290	368	423	452	452	424	370	292	203	116	46.5	9.20	0.36	3813	3794
	40	0.47	12.5	61.9	148	250	350	432	493	525	525	493	433	350	252	150	63.7	13.5	0.53	4553	4539
	30	0.62	16.4	76.0	173	284	389	479	544	578	578	544	480	390	287	175	77.8	17.4	0.71	5091	5080
	-30	0.76	19.3	85.8	191	306	416	509	576	610	610	576	509	416	306	192	87.1	20.3	0.85	5432	5422
		0.83	20.8	90.5	199	316	428	523	590	624	624	590	523	429	317	201	92.2	21.9	0.92	5592	5583
		0.84	21.0	90.9	199	316	428	523	590	623	623	589	522	428	316	200	91.8	21.7	0.92	5583	5574
		0.77	19.5	85.9	190	305	414	507	574	608	607	573	507	414	306	192	87.1	20.3	0.84	5411	5401
		0.63	16.8	76.7	174	283	388	477	541	574	574	540	476	387	284	174	77.3	17.3	0.69	5061	5050
0.43		12.9	62.6	148	249	347	429	489	521	521	489	429	347	251	150	64.0	13.6	0.50	4523	4510	
-40		0.24	8.75	45.8	115	202	290	365	418	447	447	419	365	290	203	116	46.9	9.28	0.30	3788	3769
-50		0.13	4.78	27.7	75.9	142	213	277	323	348	348	324	278	214	144	77.8	29.2	5.34	0.16	2833	2804
-60		0.08	1.96	12.4	37.7	76.8	122	166	199	218	218	200	167	124	78.7	39.4	13.4	2.19	0.09	1678	1619
-70		0.05	0.52	2.95	10.1	23.3	41.2	59.7	74.0	82.0	82.5	75.0	61.2	43.2	25.2	11.3	3.45	0.60	0.06	596	384
-80		0.01	0.09	0.13	0.27	0.62	1.21	2.00	2.72	3.07	3.11	2.85	2.18	1.38	0.75	0.32	0.13	0.09	0.02	21.0	0.00
-90		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90
Φ t	6.56	171	804	1890	3184	4473	5594	6408	6835	6837	6415	5607	4491	3209	1917	824	181	7.38	58852	---	
Φ a	0.00	102	751	1843	3136	4432	5560	6376	6802	6804	6383	5574	4450	3164	1868	772	111	0.00	---	58128	

one-half-peak spread: U:58.2,D:58.0 , L:57.0,R:58.1

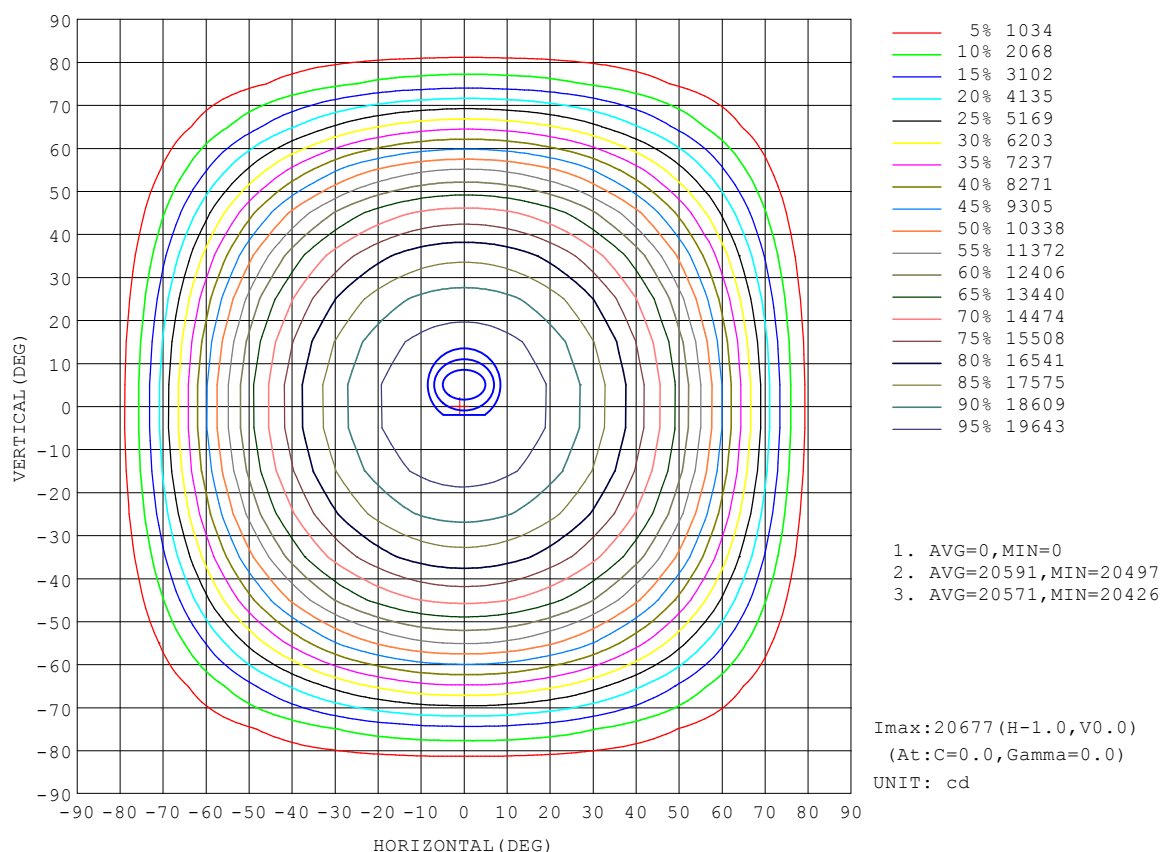
NEMA Beam Type: Type 7

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H( $\beta$ ) Range:-90 - 90DEG
H( $\beta$ ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:28 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:

ISOCANDELA DIAGRAM

Test:U:219.96V I:1.8958A P:410.82W PF:0.9852 Freq:49.99Hz Lamp Flux:58852.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

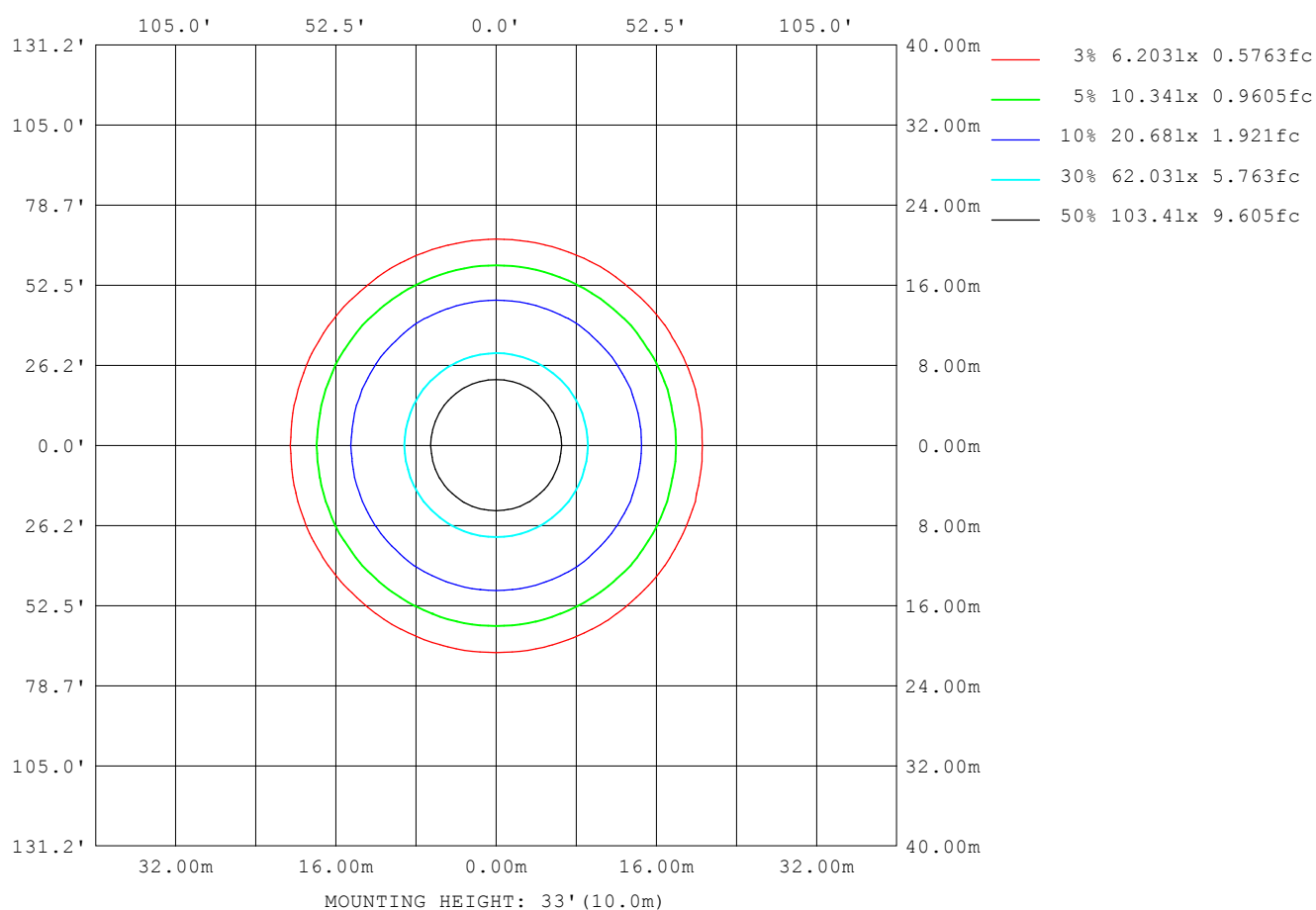


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:28 October 2019

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

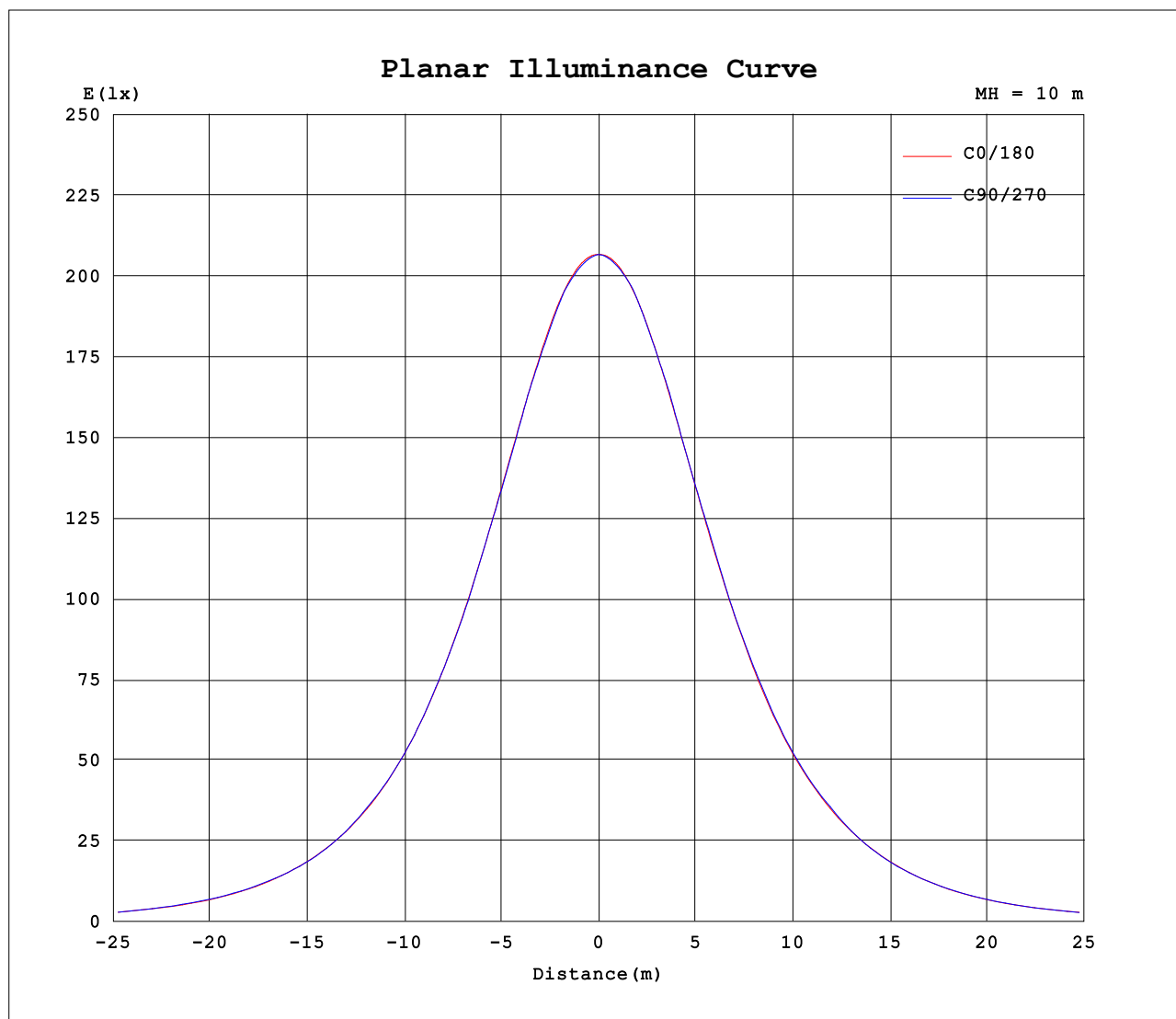
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Operators:CL
Test Date:28 October 2019

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



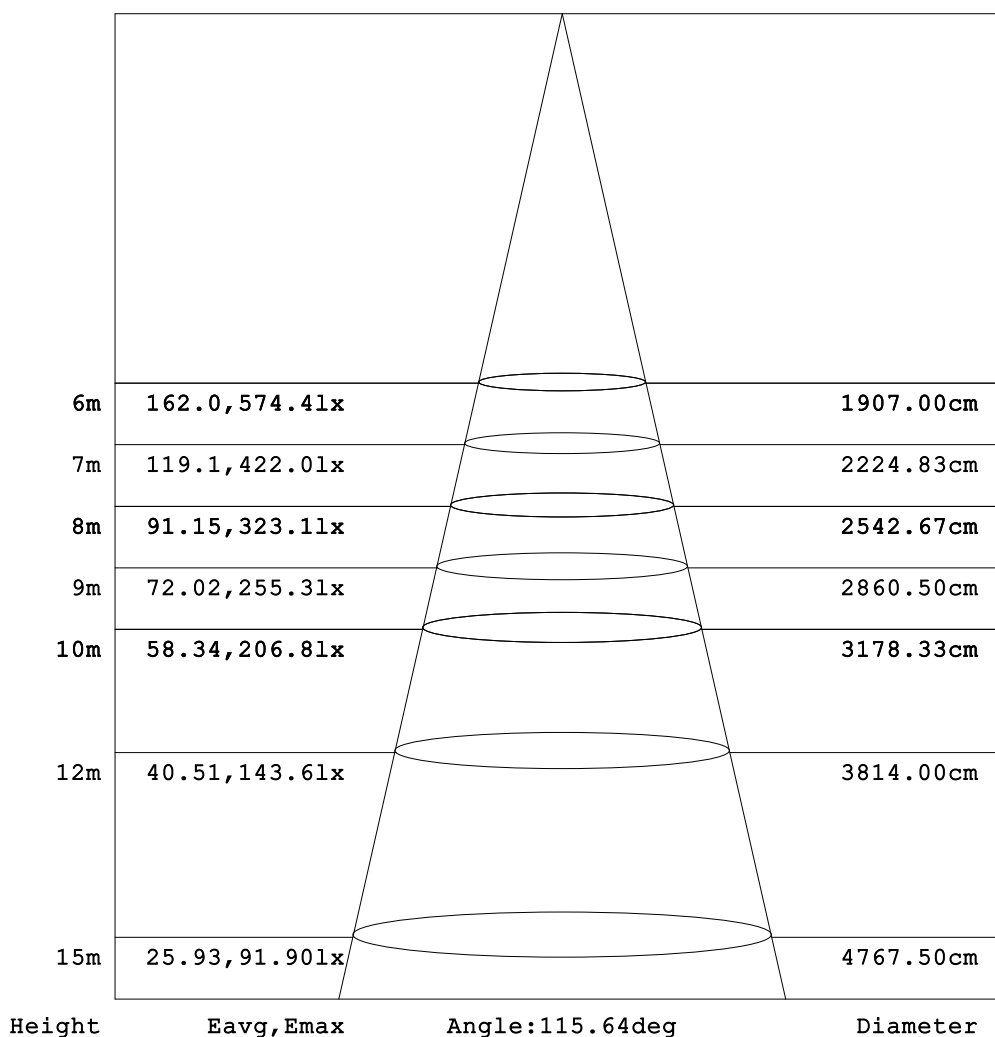
$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:28 October 2019

$V(B)$ 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:219.96V I:1.8958A P:410.82W PF:0.9852 Freq:49.99Hz Lamp Flux:58852.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:46937 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:28 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:219.96V I:1.8958A P:410.82W PF:0.9852 Freq:49.99Hz Lamp Flux:58852.3x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:420W	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	1.02	1.04	2.06	4.15	6.49	8.62	12.2	17.5	24.2	32.0	40.7	49.8	59.3	68.4	76.4	82.8	86.7	89.2	90.5
-75	1.03	1.52	3.02	7.38	16.2	28.4	45.7	68.4	93.6	121	150	179	204	229	249	263	276	282	284
-70	1.04	2.00	3.98	10.6	25.9	48.1	79.2	119	163	210	260	308	348	390	421	444	465	474	477
-65	1.06	2.49	5.86	22.4	52.4	95.2	152	216	286	355	424	488	546	597	637	671	697	710	714
-60	1.08	2.98	7.75	34.2	78.9	142	224	314	409	500	589	669	744	805	853	898	928	945	951
-55	1.11	3.31	12.6	52.9	118	208	315	428	543	651	752	843	926	992	1045	1089	1119	1137	1143
-50	1.14	3.63	17.5	71.7	156	274	405	542	676	803	916	1017	1108	1180	1236	1279	1311	1329	1336
-45	1.17	4.12	26.3	94.9	203	342	495	649	796	930	1051	1154	1244	1314	1372	1417	1449	1468	1475
-40	1.20	4.60	35.0	118	250	411	584	755	915	1057	1186	1291	1380	1449	1509	1555	1588	1607	1614
-35	1.22	5.07	44.7	140	292	469	658	837	1005	1150	1277	1385	1477	1550	1612	1659	1692	1712	1719
-30	1.25	5.53	54.3	162	335	528	731	919	1095	1242	1368	1480	1574	1652	1714	1763	1797	1817	1824
-25	1.26	6.99	61.2	184	370	576	786	985	1161	1310	1436	1548	1644	1723	1786	1834	1868	1889	1895
-20	1.28	8.44	68.0	205	405	624	840	1052	1227	1377	1503	1617	1714	1794	1857	1906	1940	1960	1966
-15	1.29	9.35	72.2	217	425	649	873	1084	1260	1412	1542	1657	1754	1835	1899	1947	1981	2000	2006
-10	1.30	10.3	76.3	229	445	675	906	1116	1292	1447	1581	1697	1795	1876	1940	1988	2022	2040	2045
-5	1.32	10.5	78.3	234	454	685	920	1131	1308	1460	1595	1711	1809	1890	1954	2002	2035	2052	2056
0	1.34	10.7	80.3	240	463	695	935	1146	1324	1473	1609	1726	1824	1905	1968	2016	2048	2065	2068
5	1.36	10.4	77.8	233	453	684	919	1131	1309	1461	1596	1713	1811	1893	1956	2005	2037	2055	2060
10	1.39	10.1	75.3	226	442	674	904	1117	1293	1449	1584	1701	1799	1880	1944	1993	2026	2046	2052
15	1.42	9.75	70.8	214	422	648	871	1084	1262	1415	1546	1662	1760	1841	1905	1954	1988	2008	2014
20	1.44	9.36	66.4	202	402	622	839	1051	1230	1382	1509	1624	1721	1802	1866	1914	1949	1969	1976
25	1.47	8.81	58.8	180	366	573	783	985	1163	1315	1442	1556	1652	1732	1796	1845	1879	1899	1906
30	1.49	8.27	51.2	158	330	525	728	919	1096	1248	1376	1488	1583	1662	1726	1775	1809	1829	1836
35	1.51	7.69	43.5	136	287	465	653	835	1006	1152	1283	1393	1485	1560	1622	1671	1705	1725	1731
40	1.53	7.12	35.7	114	244	405	578	751	916	1057	1190	1298	1387	1457	1519	1566	1600	1620	1626
45	1.55	6.42	28.1	91.2	198	335	487	642	791	926	1052	1155	1247	1321	1380	1425	1458	1478	1485
50	1.56	5.72	20.6	68.4	152	266	395	533	667	796	913	1012	1106	1184	1240	1285	1317	1336	1343
55	1.57	5.18	15.4	50.0	112	200	305	417	530	641	743	832	917	988	1040	1084	1116	1135	1142
60	1.58	4.65	10.2	31.6	73.2	134	214	301	392	486	574	651	728	792	840	883	916	934	940
65	1.58	3.52	8.04	20.9	47.6	87.5	142	203	269	338	405	467	526	576	617	651	675	691	698
70	1.59	2.39	5.91	10.3	22.0	41.1	69.1	105	147	191	235	282	323	360	394	419	434	448	455
75	1.59	1.97	4.11	7.44	13.9	24.3	39.3	58.9	82.4	108	133	161	185	207	227	242	252	261	265
80	1.59	1.54	2.30	4.62	5.85	7.62	9.59	13.0	17.8	24.5	31.6	39.0	46.0	53.0	59.5	65.6	70.4	73.6	74.9
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:28 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:219.96V I:1.8958A P:410.82W PF:0.9852 Freq:49.99Hz Lamp Flux:58852.3x1 lm		
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SPEC.:420W	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	89.9	88.3	85.0	79.6	72.0	63.1	53.8	44.9	35.8	27.3	19.8	13.7	9.13	6.77	4.24	2.32	1.30	1.03	
-75	283	278	266	253	234	209	185	158	129	101	74.6	50.7	31.8	18.2	8.26	3.22	1.94	1.05	
-70	477	467	447	426	396	356	317	270	221	174	129	87.8	54.5	29.7	12.3	4.11	2.58	1.07	
-65	711	698	673	641	603	552	496	434	365	296	226	161	103	57.8	25.4	6.24	3.00	1.09	
-60	946	929	900	857	809	749	674	597	509	417	323	234	152	85.9	38.6	8.37	3.42	1.12	
-55	1138	1121	1091	1048	996	930	848	760	660	552	438	326	219	127	59.0	15.1	3.74	1.15	
-50	1331	1312	1281	1239	1183	1112	1022	923	812	686	553	417	287	168	79.5	21.8	4.05	1.18	
-45	1469	1450	1418	1374	1316	1243	1154	1053	934	801	655	504	352	213	102	31.4	4.19	1.21	
-40	1608	1588	1555	1508	1448	1374	1286	1182	1056	916	758	590	418	258	125	40.9	4.33	1.24	
-35	1712	1692	1658	1611	1550	1474	1383	1280	1154	1011	844	667	479	303	149	49.7	5.00	1.26	
-30	1817	1796	1762	1713	1651	1574	1481	1378	1252	1106	931	743	539	348	174	58.4	5.68	1.27	
-25	1888	1867	1833	1784	1721	1643	1548	1440	1312	1165	990	792	584	380	193	65.4	7.61	1.29	
-20	1958	1938	1903	1855	1791	1711	1615	1502	1372	1223	1050	840	629	412	212	72.4	9.54	1.30	
-15	1999	1979	1945	1896	1833	1752	1656	1542	1411	1264	1090	879	657	435	226	78.0	10.3	1.31	
-10	2039	2020	1987	1938	1874	1794	1696	1582	1450	1305	1129	919	685	458	241	83.6	11.0	1.32	
-5	2052	2034	2001	1952	1888	1808	1710	1596	1463	1313	1138	928	692	465	245	85.0	11.3	1.34	
0	2064	2047	2015	1966	1902	1822	1725	1609	1475	1322	1147	936	699	472	249	86.4	11.5	1.35	
5	2055	2036	2003	1955	1891	1811	1713	1598	1465	1315	1140	928	694	466	246	85.4	11.4	1.37	
10	2045	2026	1992	1943	1880	1800	1702	1587	1455	1308	1134	920	688	459	242	84.5	11.3	1.39	
15	2007	1987	1953	1904	1841	1761	1664	1549	1417	1269	1094	881	660	437	228	78.7	10.6	1.41	
20	1969	1948	1914	1865	1801	1722	1625	1511	1379	1230	1054	843	632	414	214	72.9	9.84	1.43	
25	1899	1879	1845	1796	1733	1654	1559	1450	1321	1171	994	795	586	381	194	65.9	9.10	1.45	
30	1830	1810	1776	1727	1664	1586	1493	1389	1262	1112	935	746	541	349	174	58.8	8.37	1.47	
35	1725	1705	1671	1624	1563	1486	1395	1290	1161	1017	847	668	480	303	149	49.8	7.91	1.48	
40	1620	1600	1567	1521	1461	1386	1298	1192	1060	921	759	590	418	257	125	40.7	7.45	1.50	
45	1479	1460	1428	1384	1327	1251	1161	1059	935	802	655	502	351	212	102	32.6	6.66	1.51	
50	1338	1320	1289	1247	1192	1116	1024	926	811	683	551	414	284	167	78.6	24.5	5.88	1.53	
55	1137	1120	1089	1047	997	928	844	757	655	546	433	321	216	125	57.7	18.0	5.32	1.53	
60	936	920	888	847	801	739	664	588	500	408	316	228	147	82.7	36.7	11.6	4.75	1.54	
65	694	680	658	626	587	538	481	420	353	285	217	154	97.9	54.6	24.3	8.92	3.95	1.54	
70	451	440	428	405	374	338	299	251	206	161	118	79.7	49.2	26.6	12.0	6.28	3.14	1.54	
75	263	256	249	235	216	194	171	144	117	91.3	66.6	45.3	28.6	16.4	8.43	4.59	2.33	1.55	
80	74.5	72.5	69.2	64.0	58.0	51.1	43.5	36.0	28.4	21.0	15.2	10.8	7.94	6.23	4.91	2.90	1.52	1.55	
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:28 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: