

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: NO. NITE 124-03

Luminaire Tested:

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: NO. NITE 124-03
LUMINARIO PARA ALUMB. PÚBLICO TIPO OV, MCA. COOPER LIGHTING, MOD. EVA,
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number:
Description:
Light Source: -
Ballast/Driver: -

Summary

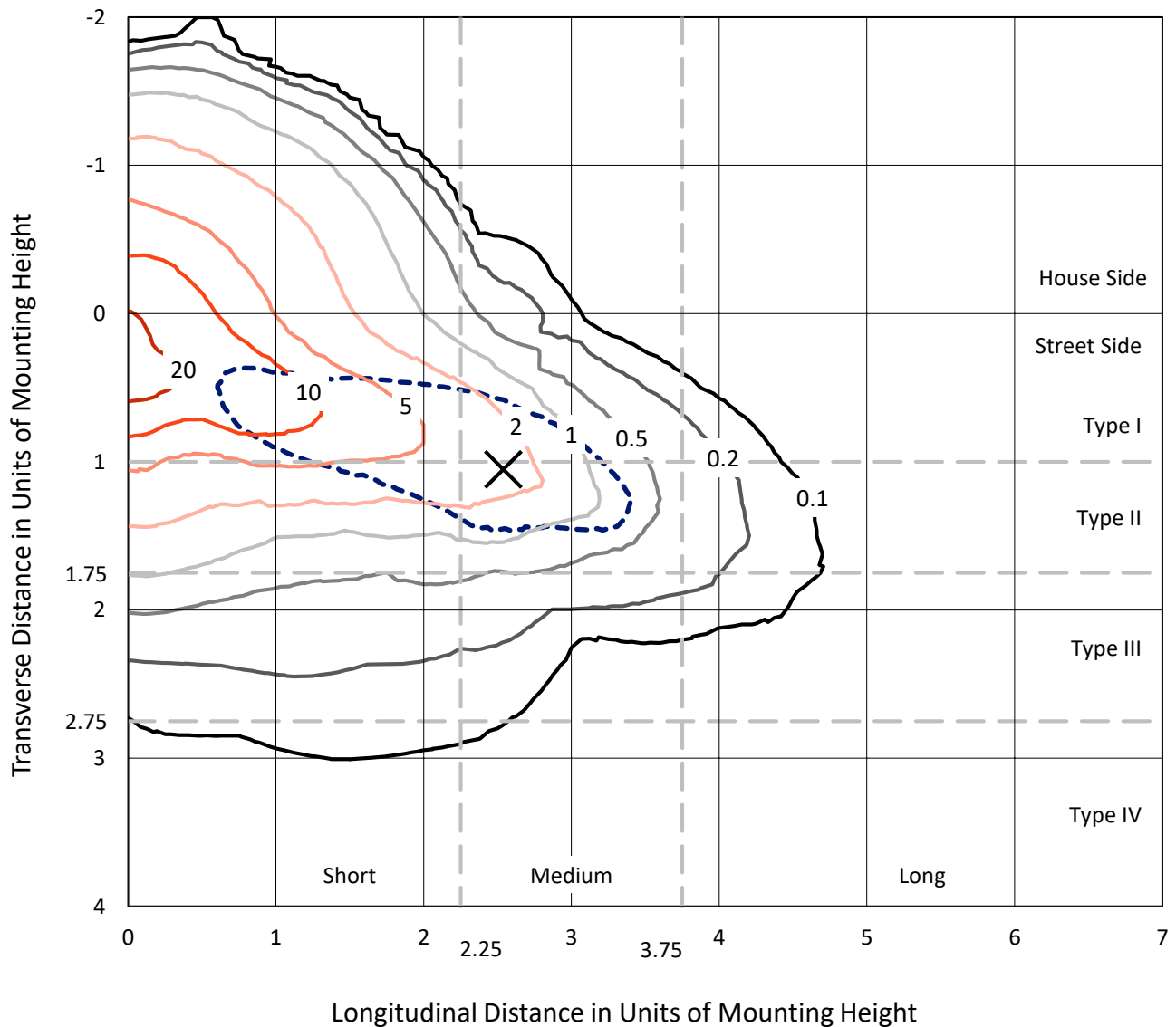
Lumens per Lamp: 9500 (1 lamp)
Luminaire Lumens: 7364.7 lumens
Efficiency: 77.5%
Efficacy: 81.8 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B2 - U1 - G1

Input Watts (W): 90
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: NO. NITE 124-03
 CATALOG NUMBER:

Iso-Footcandle Lines of Horizontal Illumination

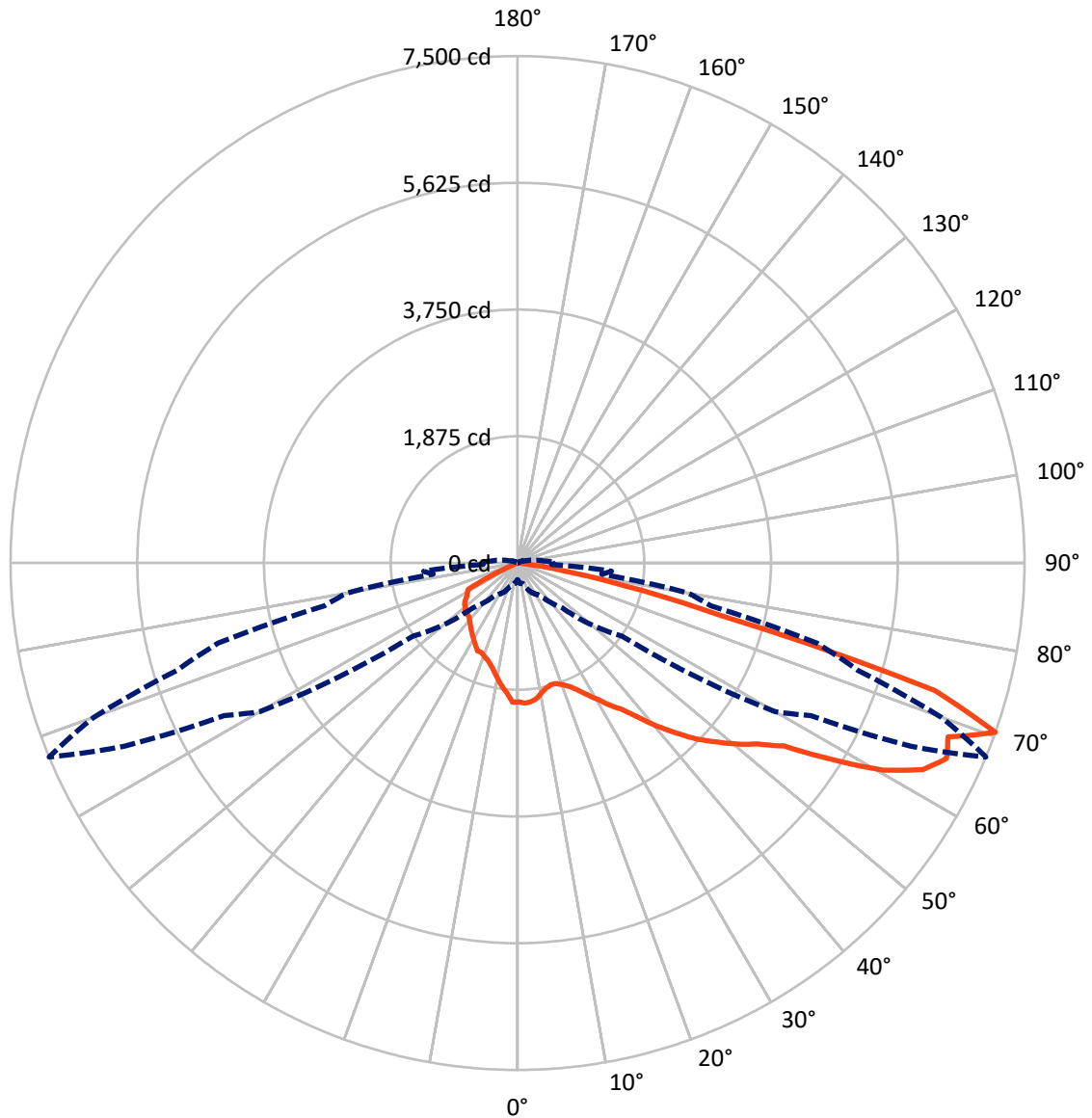
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.7 fc
 Type II - Medium - Cutoff

REPORT NUMBER: NO. NITE 124-03
CATALOG NUMBER:

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: NO. NITE 124-03
 CATALOG NUMBER:

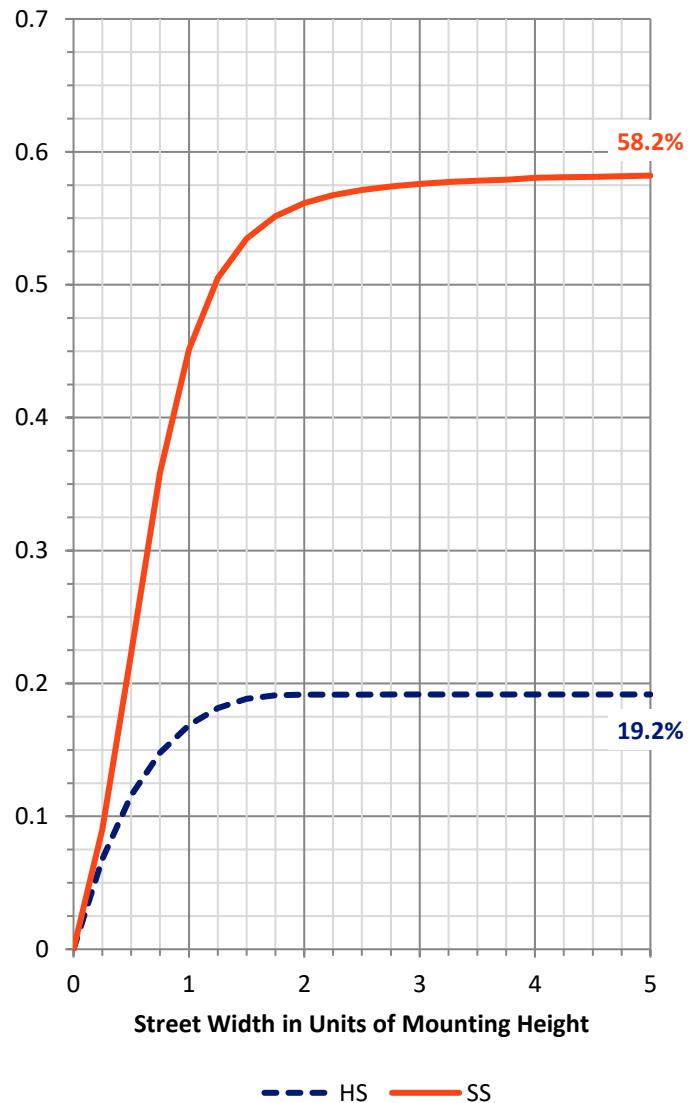
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1833.4	0.0	1833.5
	% Lamp	19.3	0.0	19.3
Street Side	Lumens	5531.0	0.3	5531.3
	% Lamp	58.2	0.0	58.2
Total	Lumens	7364.4	0.3	7364.7
	% Lamp	77.5	0.0	77.5

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	188.1	2.6	2.0
10°-20°	526.9	7.2	5.5
20°-30°	920.4	12.5	9.7
30°-40°	1173.7	15.9	12.4
40°-50°	1372.2	18.6	14.4
50°-60°	1457.4	19.8	15.3
60°-70°	1183.0	16.1	12.5
70°-80°	520.6	7.1	5.5
80°-90°	22.1	0.3	0.2
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	7364.4	100.0	77.5
0°-180°	7364.7	100.0	77.5

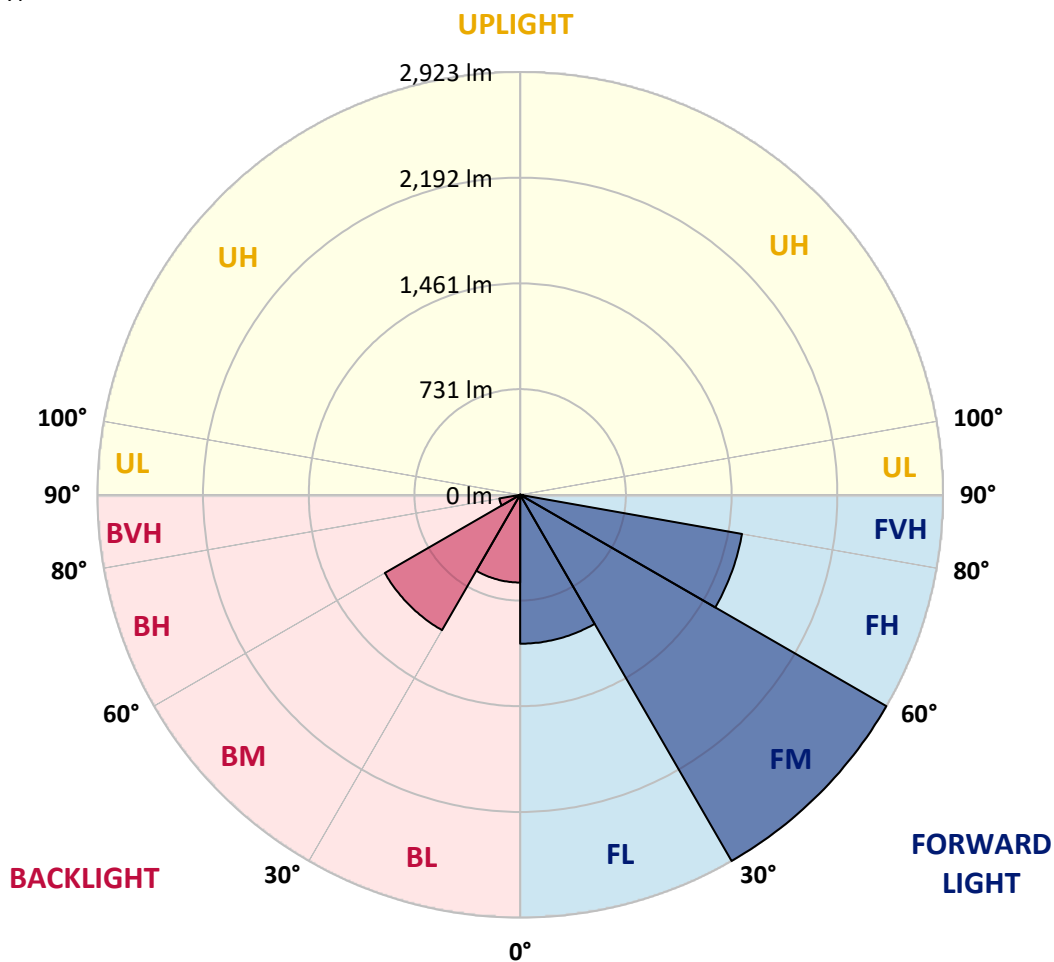


REPORT NUMBER: NO. NITE 124-03
 CATALOG NUMBER:

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1029.3	10.8			
FM (30°-60°)	2922.7	30.8			
FH (60°-80°)	1557.1	16.4			G1/1800
FVH (80°-90°)	21.9	0.2			G1/100
BL (0°-30°)	606.2	6.4	B2/1000		
BM (30°-60°)	1080.6	11.4	B2/2500		
BH (60°-80°)	146.4	1.5	B1/500		G1/500
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U1/10	
UH (100°-180°)	0.0	0.0		U1/10	
Trapped Light	2135.3	22.5			

BUG Rating: B2-U1-G1
 Type II Medium





REPORT NUMBER: NO. NITE 124-03
 CATALOG NUMBER:

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	62.5°	65°	67.5°
0°	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054
2.5°	2167	2026	2135	2040	2130	2043	2087	2041	2080	2053	2075
5°	2256	2200	2201	2182	2175	2128	2101	2090	2084	2077	2062
7.5°	2312	2259	2262	2222	2194	2139	2077	2065	2045	2043	2023
10°	2354	2314	2312	2250	2196	2117	2032	2009	1983	1978	1953
12.5°	2452	2404	2402	2291	2197	2090	1996	1960	1927	1917	1895
15°	2621	2581	2562	2387	2254	2079	1981	1927	1910	1886	1865
17.5°	2927	2853	2825	2568	2357	2150	2026	1953	1938	1899	1874
20°	3312	3261	3192	2864	2579	2299	2139	2037	2013	1953	1924
22.5°	3612	3598	3485	3148	2845	2504	2301	2150	2105	2022	1985
25°	3697	3597	3603	3150	3039	2626	2479	2160	2248	2026	2085
27.5°	3505	3588	3462	3327	3111	2881	2686	2483	2421	2286	2207
30°	3214	3302	3186	3141	3051	3005	2892	2660	2594	2434	2342
32.5°	2915	2983	2840	2855	2897	3064	3101	2881	2811	2616	2508
35°	2684	2726	2520	2541	2712	3107	3355	3148	3045	2810	2660
37.5°	2402	2449	2194	2207	2515	3218	3731	3487	3377	3088	2894
40°	2146	2156	1893	1890	2333	3370	4169	3945	3815	3453	3171
42.5°	1885	1893	1628	1630	2167	3554	4706	4443	4206	3795	3434
45°	1645	1658	1444	1448	2038	3684	4996	4780	4571	4126	3717
47.5°	1440	1654	1282	1440	1889	3689	5151	4796	4823	4135	3956
50°	1281	1285	1153	1162	1718	3468	5133	5219	5065	4641	4212
52.5°	1150	1166	1086	1070	1568	3176	5120	5447	5330	4937	4449
55°	1055	1075	1057	1005	1386	2784	4943	5606	5597	5211	4778
57.5°	1008	1042	1042	976	1207	2317	4596	5793	6086	5862	5483
60°	868	907	876	876	976	1812	4013	5845	6413	6497	6223
62.5°	649	680	646	701	809	1395	3366	5548	6386	6835	6732
65°	477	491	478	555	713	1100	2732	4990	6074	6907	6976
67.5°	273	305	384	501	636	947	2240	4424	5595	6682	6869
70°	243	295	318	476	585	940	1884	4398	4891	6411	7500
72.5°	234	218	284	425	526	758	1461	2793	3312	4381	6458
75°	243	234	247	399	510	647	585	1536	2041	2870	3115
77.5°	302	237	192	365	333	98	286	802	1047	1546	1619
80°	192	204	136	124	16	36	127	350	425	660	658
82.5°	8	16	0	0	0	8	35	100	121	181	168
85°	0	3	0	0	0	0	1	23	16	29	25
87.5°	0	1	0	0	0	0	0	0	0	1	3
90°	0	1	0	0	0	0	0	0	0	0	0
92.5°	0	1	0	0	0	0	0	0	0	0	0
95°	0	1	0	0	0	0	0	0	0	0	0
97.5°	0	1	0	0	0	0	0	0	0	0	0
100°	0	1	0	0	0	0	0	0	0	0	0
102.5°	0	1	0	0	0	0	0	0	0	0	0
105°	0	1	0	0	0	0	0	0	0	0	0
107.5°	0	1	0	0	0	0	0	0	0	0	0
110°	0	1	0	0	0	0	0	0	0	0	0



REPORT NUMBER: NO. NITE 124-03

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	62.5°	65°	67.5°
112.5°	0	1	0	0	0	0	0	0	0	0	0
115°	0	1	0	0	0	0	0	0	0	0	0
117.5°	0	1	0	0	0	0	0	0	0	0	0
120°	0	1	0	0	0	0	0	0	0	0	0
122.5°	0	1	0	0	0	0	0	0	0	0	0
125°	0	1	0	0	0	0	0	0	0	0	0
127.5°	0	1	0	0	0	0	0	0	0	0	0
130°	0	1	0	0	0	0	0	0	0	0	0
132.5°	0	1	0	0	0	0	0	0	0	0	0
135°	0	1	0	0	0	0	0	0	0	0	0
137.5°	0	1	0	0	0	0	0	0	0	0	0
140°	0	1	0	0	0	0	0	0	0	0	0
142.5°	0	1	0	0	0	0	0	0	0	0	0
145°	0	1	0	0	0	0	0	0	0	0	0
147.5°	0	1	0	0	0	0	0	0	0	0	0
150°	0	1	0	0	0	0	0	0	0	0	0
152.5°	0	1	0	0	0	0	0	0	0	0	0
155°	0	1	0	0	0	0	0	0	0	0	0
157.5°	0	1	0	0	0	0	0	0	0	0	0
160°	0	1	0	0	0	0	0	0	0	0	0
162.5°	0	1	0	0	0	0	0	0	0	0	0
165°	0	1	0	0	0	0	0	0	0	0	0
167.5°	0	1	0	0	0	0	0	0	0	0	0
170°	0	1	0	0	0	0	0	0	0	0	0
172.5°	0	1	0	0	0	0	0	0	0	0	0
175°	0	1	0	0	0	0	0	0	0	0	0
177.5°	0	1	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: NO. NITE 124-03
 CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	70°	72.5°	75°	77.5°	80°	82.5°	85°	87.5°	90°	95°	105°
0°	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054
2.5°	2049	2073	2043	2056	2051	2056	2058	2044	2059	2064	2058
5°	2062	2047	2043	2032	2030	2015	2016	1995	2000	1987	1953
7.5°	2010	1992	1988	1970	1976	1936	1943	1924	1924	1899	1872
10°	1953	1925	1919	1883	1881	1856	1855	1825	1838	1806	1765
12.5°	1878	1852	1835	1819	1804	1784	1764	1750	1746	1720	1671
15°	1842	1823	1795	1767	1754	1728	1711	1690	1675	1638	1590
17.5°	1842	1813	1782	1752	1727	1700	1671	1656	1630	1598	1540
20°	1866	1840	1784	1763	1718	1692	1660	1635	1611	1568	1497
22.5°	1905	1881	1813	1777	1743	1702	1653	1638	1604	1560	1475
25°	1917	1944	1816	1827	1730	1721	1658	1637	1613	1545	1472
27.5°	2094	2030	1936	1876	1807	1752	1696	1660	1615	1538	1432
30°	2203	2130	2010	1934	1855	1778	1709	1660	1607	1515	1384
32.5°	2327	2214	2064	1951	1848	1750	1668	1595	1549	1457	1321
35°	2431	2276	2089	1957	1825	1724	1637	1560	1504	1404	1269
37.5°	2599	2389	2148	1974	1820	1693	1610	1521	1468	1365	1232
40°	2793	2513	2216	2001	1812	1679	1580	1496	1436	1335	1190
42.5°	2986	2649	2287	2040	1820	1663	1549	1468	1405	1316	1177
45°	3201	2797	2361	2062	1816	1654	1530	1448	1377	1288	1152
47.5°	3207	2953	2376	2136	1829	1663	1536	1432	1389	1257	1158
50°	3629	3133	2596	2225	1889	1693	1530	1414	1324	1205	1086
52.5°	3819	3251	2673	2244	1906	1692	1528	1401	1310	1169	1060
55°	4039	3498	2829	2424	2007	1770	1562	1412	1293	1128	991
57.5°	4660	4021	3197	2654	2130	1777	1493	1293	1180	1039	938
60°	5368	4568	3577	2817	2139	1707	1419	1243	1128	987	893
62.5°	5935	5078	3947	3084	2267	1778	1430	1248	1117	981	876
65°	6454	5552	4314	3340	2455	1902	1481	1239	1098	953	634
67.5°	6678	5794	4582	3507	2554	1874	1412	984	782	397	123
70°	6674	5276	4586	2928	2562	1257	1395	508	570	372	123
72.5°	4793	4077	3343	2379	1653	1052	667	410	265	114	32
75°	3395	2885	2477	1722	1233	751	489	295	188	77	23
77.5°	1871	1555	1411	959	723	431	297	168	105	44	1
80°	810	646	634	403	326	183	132	63	49	8	0
82.5°	209	154	154	91	80	44	38	10	8	1	0
85°	32	19	30	21	10	12	6	1	1	0	0
87.5°	1	1	0	0	1	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: NO. NITE 124-03
 CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	70°	72.5°	75°	77.5°	80°	82.5°	85°	87.5°	90°	95°	105°
112.5°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: NO. NITE 124-03
 CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	115°	125°	135°	145°	155°	165°	175°	180°
0°	2054	2054	2054	2054	2054	2054	2054	2054
2.5°	2064	1985	2051	1949	2058	1964	2066	1969
5°	1929	1889	1876	1841	1846	1834	1844	1833
7.5°	1834	1792	1784	1731	1739	1725	1717	1714
10°	1737	1693	1684	1641	1634	1616	1616	1577
12.5°	1638	1609	1601	1560	1546	1521	1521	1503
15°	1553	1530	1532	1496	1469	1444	1438	1405
17.5°	1494	1470	1461	1436	1412	1387	1374	1342
20°	1453	1406	1399	1374	1348	1316	1312	1265
22.5°	1410	1357	1333	1305	1285	1246	1241	1201
25°	1416	1316	1305	1250	1282	1190	1222	1167
27.5°	1342	1269	1229	1181	1132	1124	1147	1120
30°	1288	1214	1175	1124	1064	1064	1096	1097
32.5°	1235	1153	1111	1075	1012	1006	1051	1064
35°	1186	1117	1068	1018	962	968	1021	1043
37.5°	1131	1062	1017	963	934	910	991	1004
40°	1083	1011	972	919	895	883	953	957
42.5°	1034	976	925	880	864	844	908	892
45°	1033	944	880	837	815	940	852	845
47.5°	1032	927	880	799	816	906	854	791
50°	985	892	808	760	737	711	744	723
52.5°	974	859	786	705	696	673	683	654
55°	935	843	758	674	673	739	624	598
57.5°	871	814	729	625	611	534	536	500
60°	850	775	681	493	400	373	238	183
62.5°	808	523	367	119	66	154	16	12
65°	299	65	40	7	14	140	6	0
67.5°	55	25	10	7	0	0	0	0
70°	60	12	10	0	1	0	0	0
72.5°	14	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0



REPORT NUMBER: NO. NITE 124-03

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	1	0
137.5°	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	1	0
165°	0	0	0	0	0	0	1	0
167.5°	0	0	0	0	0	0	1	0
170°	0	0	0	0	0	0	1	0
172.5°	0	0	0	0	0	0	1	0
175°	0	0	0	0	0	0	1	0
177.5°	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0

(END OF REPORT)