

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 126-04

Luminaire Tested:

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: NO. NITE 126-04
LUM. PARA ALUMB. PÚBLICO TIPO OV, MCA. COOPER LIGHTING, MOD. EVA, CAT.
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number:
Description:
Light Source: -
Ballast/Driver: -

Summary

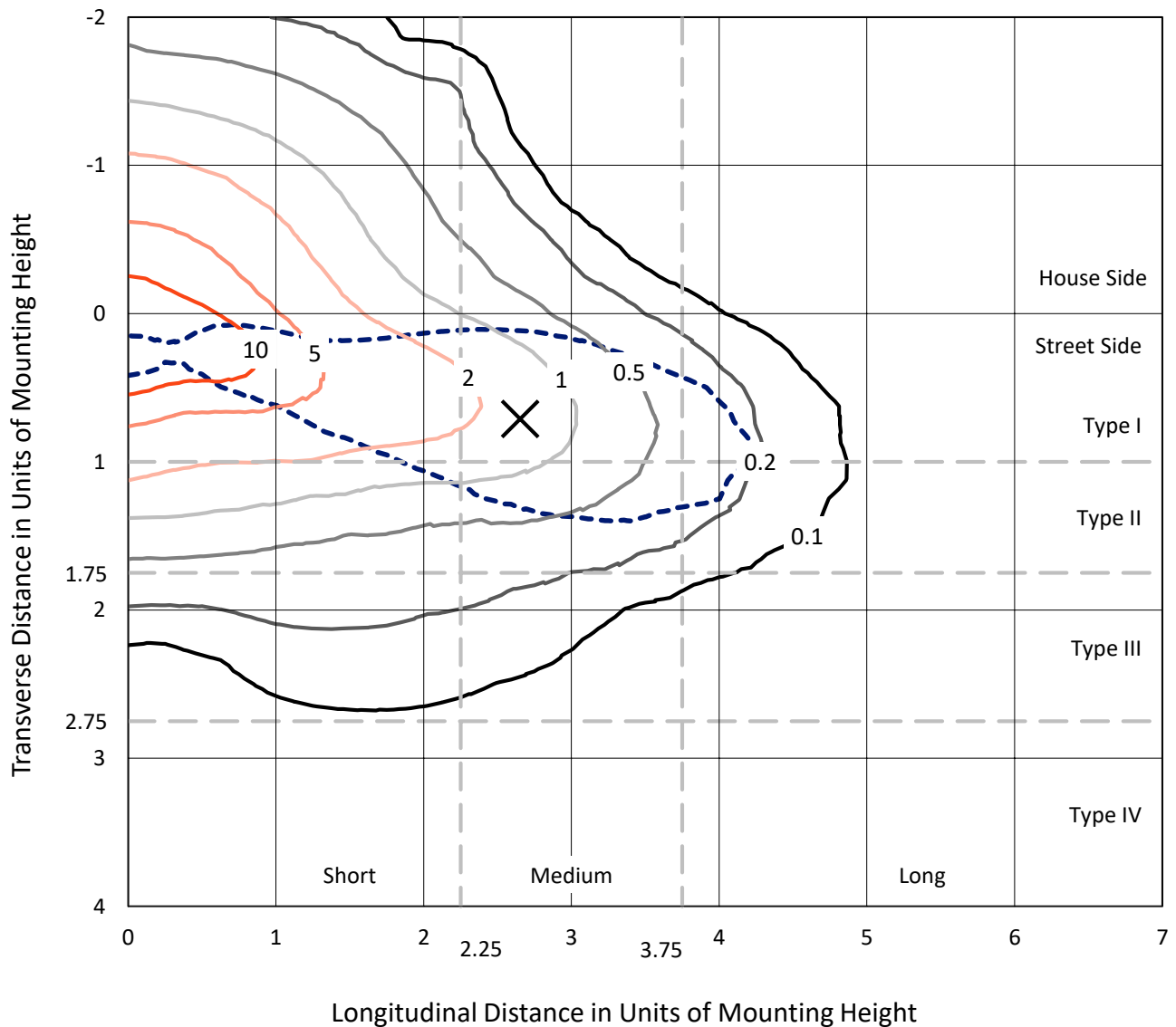
Lumens per Lamp: 6600 (1 lamp)
Luminaire Lumens: 5185.8 lumens
Efficiency: 78.6%
Efficacy: 74.1 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type II - Medium - Semi-Cutoff
BUG Rating: B1 - U1 - G1

Input Watts (W): 70
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

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Iso-Footcandle Lines of Horizontal Illumination

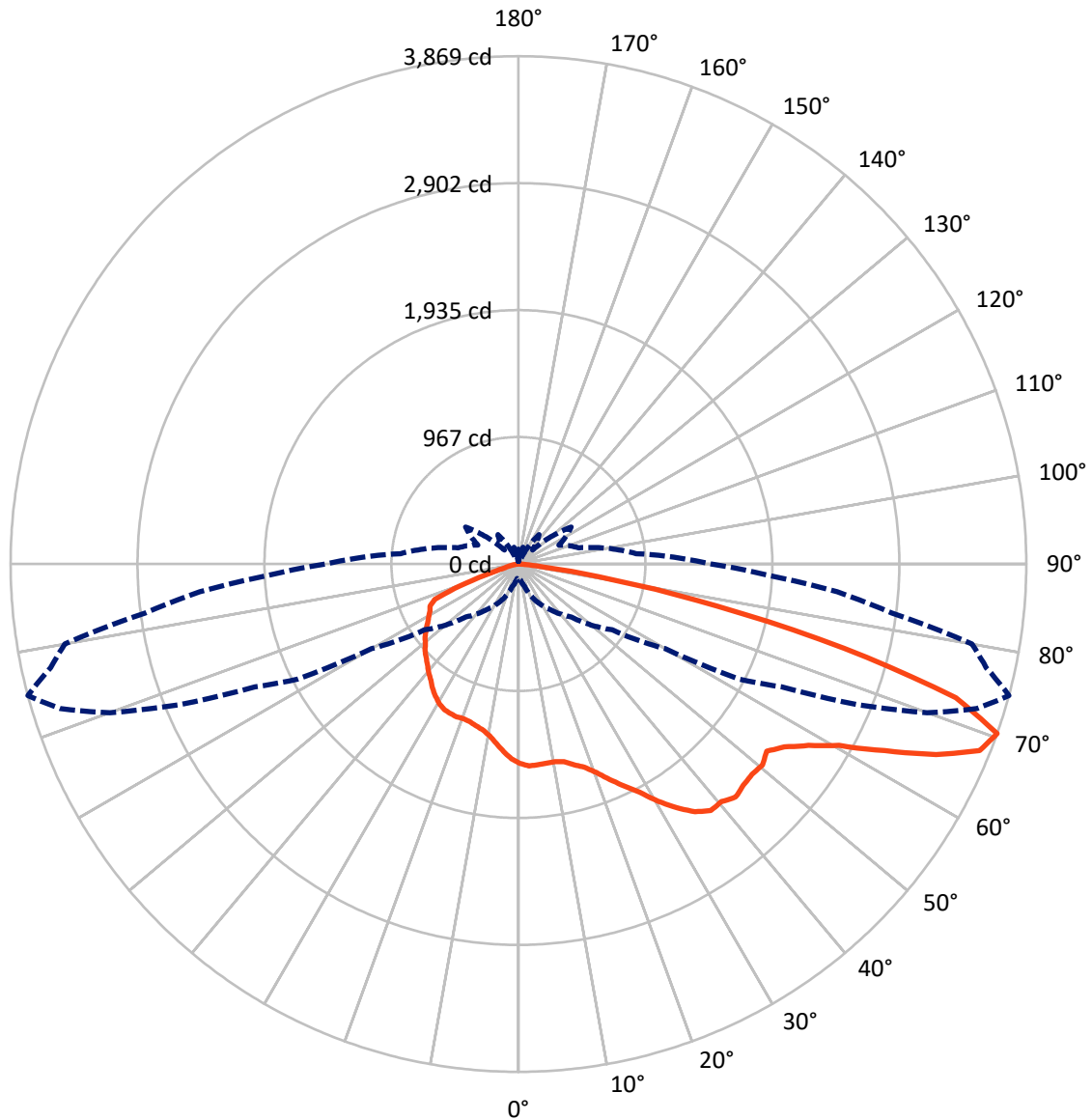
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 fc
 Type II - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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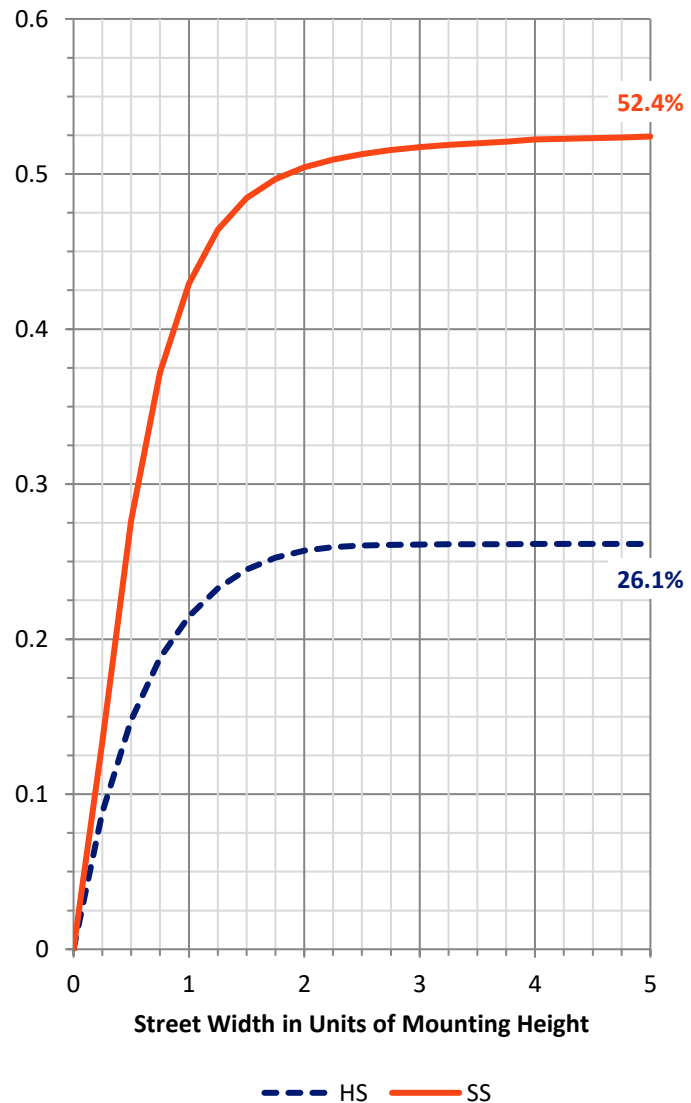
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1734.3	0.0	1734.3
	% Lamp	26.3	0.0	26.3
Street Side	Lumens	3451.0	0.4	3451.5
	% Lamp	52.3	0.0	52.3
Total	Lumens	5185.3	0.4	5185.8
	% Lamp	78.6	0.0	78.6

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	144.9	2.8	2.2
10°-20°	432.7	8.3	6.6
20°-30°	665.5	12.8	10.1
30°-40°	807.9	15.6	12.2
40°-50°	865.8	16.7	13.1
50°-60°	883.4	17.0	13.4
60°-70°	863.8	16.7	13.1
70°-80°	483.0	9.3	7.3
80°-90°	38.4	0.7	0.6
90°-100°	0.4	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°	5185.3	100.0	78.6
0°-180°	5185.8	100.0	78.6

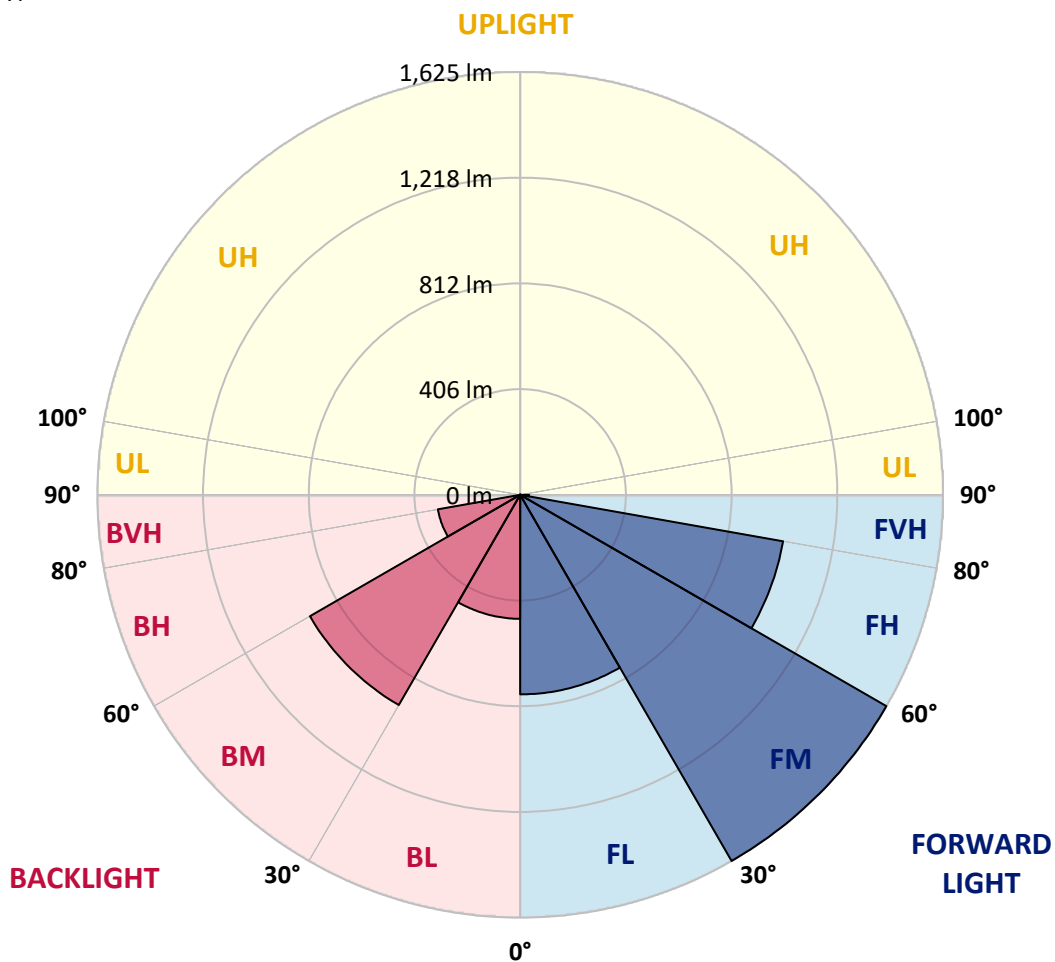


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.6	11.6			
FM (30°-60°)	1624.5	24.6			
FH (60°-80°)	1025.8	15.5			G1/1800
FVH (80°-90°)	34.1	0.5			G1/100
BL (0°-30°)	476.4	7.2	B1/500		
BM (30°-60°)	932.6	14.1	B1/1000		
BH (60°-80°)	321.0	4.9	B1/500		G1/500
BVH (80°-90°)	4.3	0.1			G0/10
UL (90°-100°)	0.4	0.0		U1/10	
UH (100°-180°)	0.0	0.0		U1/10	
Trapped Light	1414.2	21.4			

BUG Rating: B1-U1-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	62.5°	65°	67.5°
0°	1519	1519	1519	1519	1519	1519	1519	1519	1519	1519	1519
2.5°	1492	1555	1574	1551	1556	1538	1551	1563	1510	1555	1510
5°	1710	1736	1751	1719	1682	1646	1616	1597	1580	1576	1567
7.5°	1855	1892	1891	1839	1787	1724	1661	1632	1606	1596	1576
10°	2009	2041	2029	1978	1896	1814	1715	1674	1640	1620	1592
12.5°	2121	2147	2136	2074	1987	1880	1770	1716	1677	1657	1618
15°	2181	2191	2193	2133	2042	1943	1839	1784	1739	1720	1677
17.5°	2175	2170	2176	2117	2054	1981	1902	1843	1799	1771	1726
20°	2084	2070	2080	2037	2005	1996	1934	1890	1849	1838	1793
22.5°	1929	1908	1917	1896	1920	1959	1984	1972	1934	1929	1883
25°	1723	1799	1810	1782	1800	1927	2027	2041	1941	2017	1887
27.5°	1535	1510	1493	1507	1641	1859	2046	2109	2105	2117	2079
30°	1350	1322	1316	1328	1482	1768	2067	2175	2188	2215	2188
32.5°	1189	1168	1144	1164	1326	1675	2090	2261	2299	2354	2332
35°	1088	1073	1028	1027	1187	1594	2115	2357	2415	2480	2462
37.5°	974	964	925	906	1075	1500	2137	2408	2503	2564	2565
40°	892	883	835	828	983	1404	2081	2376	2503	2549	2573
42.5°	812	804	759	770	907	1269	1952	2248	2393	2498	2549
45°	738	729	692	730	851	1153	1802	2176	2359	2467	2543
47.5°	731	693	659	707	830	1112	1773	2091	2356	2413	2542
50°	590	584	582	633	788	1058	1626	2017	2221	2373	2485
52.5°	526	531	541	595	762	1048	1610	1996	2190	2348	2460
55°	476	477	515	560	716	1016	1611	1983	2177	2354	2473
57.5°	401	407	465	524	646	931	1552	1954	2189	2397	2563
60°	327	317	358	447	550	808	1398	1836	2127	2403	2631
62.5°	233	231	266	376	478	696	1219	1721	2081	2438	2755
65°	163	152	210	323	441	622	1066	1609	2030	2464	2894
67.5°	119	119	175	312	433	588	943	1451	1901	2377	2921
70°	119	110	176	306	425	571	874	1291	1898	2215	2801
72.5°	79	94	155	275	397	529	771	1144	1551	1953	2557
75°	72	81	147	267	380	472	642	794	1117	1308	1831
77.5°	72	71	132	243	343	300	219	319	514	655	993
80°	55	58	95	143	82	72	110	172	265	323	498
82.5°	22	21	31	28	24	40	64	81	117	121	178
85°	11	10	12	15	14	23	36	42	54	49	58
87.5°	4	3	2	4	5	9	15	17	25	21	25
90°	1	0	0	0	0	0	2	4	6	4	8
92.5°	1	0	0	0	0	0	1	0	7	0	6
95°	1	0	0	0	0	0	0	0	0	0	0
97.5°	1	0	0	0	0	0	0	0	0	0	0
100°	1	0	0	0	0	0	0	0	0	0	0
102.5°	1	0	0	0	0	0	0	0	0	0	0
105°	1	0	0	0	0	0	0	0	0	0	0
107.5°	1	0	0	0	0	0	0	0	0	0	0
110°	1	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: NO. NITE 126-04

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	62.5°	65°	67.5°
112.5°	1	0	0	0	0	0	0	0	0	0	0
115°	1	0	0	0	0	0	0	0	0	0	0
117.5°	1	0	0	0	0	0	0	0	0	0	0
120°	1	0	0	0	0	0	0	0	0	0	0
122.5°	1	0	0	0	0	0	0	0	0	0	0
125°	1	0	0	0	0	0	0	0	0	0	0
127.5°	1	0	0	0	0	0	0	0	0	0	0
130°	1	0	0	0	0	0	0	0	0	0	0
132.5°	1	0	0	0	0	0	0	0	0	0	0
135°	1	0	0	0	0	0	0	0	0	0	0
137.5°	1	0	0	0	0	0	0	0	0	0	0
140°	1	0	0	0	0	0	0	0	0	0	0
142.5°	1	0	0	0	0	0	0	0	0	0	0
145°	1	0	0	0	0	0	0	0	0	0	0
147.5°	1	0	0	0	0	0	0	0	0	0	0
150°	1	0	0	0	0	0	0	0	0	0	0
152.5°	1	0	0	0	0	0	0	0	0	0	0
155°	1	0	0	0	0	0	0	0	0	0	0
157.5°	1	0	0	0	0	0	0	0	0	0	0
160°	1	0	0	0	0	0	0	0	0	0	0
162.5°	1	0	0	0	0	0	0	0	0	0	0
165°	1	0	0	0	0	0	0	0	0	0	0
167.5°	1	0	0	0	0	0	0	0	0	0	0
170°	1	0	0	0	0	0	0	0	0	0	0
172.5°	1	0	0	0	0	0	0	0	0	0	0
175°	1	0	0	0	0	0	0	0	0	0	0
177.5°	1	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 126-04
 CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	70°	72.5°	75°	77.5°	80°	82.5°	85°	87.5°	90°	95°	105°
0°	1519	1519	1519	1519	1519	1519	1519	1519	1519	1519	1519
2.5°	1546	1512	1540	1513	1527	1517	1524	1520	1515	1507	1486
5°	1556	1549	1537	1530	1519	1513	1501	1495	1481	1463	1433
7.5°	1564	1548	1532	1516	1503	1489	1473	1463	1446	1424	1377
10°	1574	1551	1531	1507	1486	1471	1448	1435	1413	1383	1327
12.5°	1598	1564	1546	1512	1493	1465	1445	1422	1402	1362	1293
15°	1655	1609	1587	1547	1520	1486	1459	1430	1403	1357	1275
17.5°	1698	1651	1627	1579	1554	1510	1483	1448	1418	1357	1258
20°	1771	1719	1696	1639	1612	1559	1528	1480	1446	1372	1250
22.5°	1871	1813	1783	1721	1684	1621	1582	1524	1482	1395	1255
25°	1958	1902	1874	1727	1756	1664	1630	1526	1513	1408	1252
27.5°	2070	2006	1970	1897	1848	1759	1700	1616	1560	1430	1243
30°	2193	2128	2097	2006	1944	1843	1767	1669	1590	1436	1223
32.5°	2337	2261	2215	2108	2026	1906	1806	1696	1598	1421	1189
35°	2461	2380	2318	2200	2093	1961	1841	1719	1603	1404	1153
37.5°	2554	2480	2383	2261	2125	1984	1836	1706	1572	1361	1108
40°	2530	2473	2381	2260	2132	1983	1833	1688	1545	1322	1073
42.5°	2568	2518	2427	2302	2135	1980	1801	1661	1502	1272	1035
45°	2544	2499	2403	2271	2112	1951	1779	1626	1466	1237	1002
47.5°	2524	2499	2395	2273	2089	1949	1731	1625	1420	1191	972
50°	2529	2509	2408	2273	2079	1905	1697	1544	1370	1145	932
52.5°	2495	2465	2369	2222	2031	1835	1649	1487	1343	1122	902
55°	2547	2522	2458	2292	2120	1894	1701	1516	1358	1107	863
57.5°	2669	2662	2607	2439	2236	1975	1720	1507	1310	1053	824
60°	2806	2819	2806	2615	2417	2089	1818	1544	1330	1022	792
62.5°	3022	3092	3132	2943	2728	2336	1997	1653	1387	1015	764
65°	3255	3419	3498	3310	3061	2610	2190	1776	1450	1023	746
67.5°	3370	3654	3791	3640	3359	2864	2366	1882	1497	1015	694
70°	3313	3661	3869	3651	3509	2869	2437	1887	1467	901	476
72.5°	2953	3403	3485	3540	3156	2788	2123	1676	1158	598	213
75°	2055	2526	2561	2727	2402	2153	1604	1249	829	376	110
77.5°	1157	1528	1552	1755	1534	1461	1092	886	576	263	72
80°	551	756	735	895	747	769	542	485	306	152	46
82.5°	161	231	191	250	183	220	145	157	102	62	20
85°	54	63	54	65	54	67	53	57	38	22	6
87.5°	23	27	23	26	21	26	23	23	14	7	0
90°	8	10	8	10	4	5	4	4	1	0	0
92.5°	1	9	1	8	2	6	0	4	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



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 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



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 CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	115°	125°	135°	145°	155°	165°	175°	180°
0°	1519	1519	1519	1519	1519	1519	1519	1519
2.5°	1474	1521	1448	1523	1438	1520	1409	1500
5°	1406	1401	1371	1377	1360	1369	1338	1340
7.5°	1343	1332	1301	1302	1290	1304	1268	1268
10°	1286	1269	1233	1231	1221	1237	1203	1204
12.5°	1243	1214	1173	1171	1161	1172	1140	1138
15°	1209	1165	1125	1111	1098	1109	1076	1076
17.5°	1187	1132	1081	1059	1054	1058	1032	1032
20°	1166	1100	1046	1021	1008	1007	986	986
22.5°	1155	1076	1015	984	965	961	934	941
25°	1144	1063	983	964	932	959	897	938
27.5°	1122	1035	957	918	893	889	860	873
30°	1098	1009	927	889	863	851	824	837
32.5°	1059	979	902	861	825	814	790	800
35°	1020	938	870	829	790	774	762	772
37.5°	984	903	836	795	755	742	729	738
40°	946	864	801	763	724	713	704	704
42.5°	912	830	762	726	691	685	676	673
45°	879	792	726	701	663	656	649	651
47.5°	852	792	712	699	636	640	622	645
50°	830	754	687	645	602	597	589	591
52.5°	804	741	670	621	581	566	561	567
55°	767	715	650	607	550	526	524	534
57.5°	746	700	638	581	521	487	484	502
60°	719	675	616	549	488	441	430	462
62.5°	697	657	588	514	448	411	374	415
65°	672	623	534	447	327	280	232	269
67.5°	575	497	355	280	165	137	98	119
70°	340	491	152	273	42	131	21	113
72.5°	120	84	41	31	18	18	14	16
75°	66	49	28	14	7	7	8	6
77.5°	43	32	15	5	0	0	0	0
80°	25	18	5	0	0	0	0	0
82.5°	8	2	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 126-04

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	0	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	0	0
165°	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0

(END OF REPORT)