

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: P672971

Luminaire Tested: **CCP-SA-2C-735-U-T1**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672971
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-735-U-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T1 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

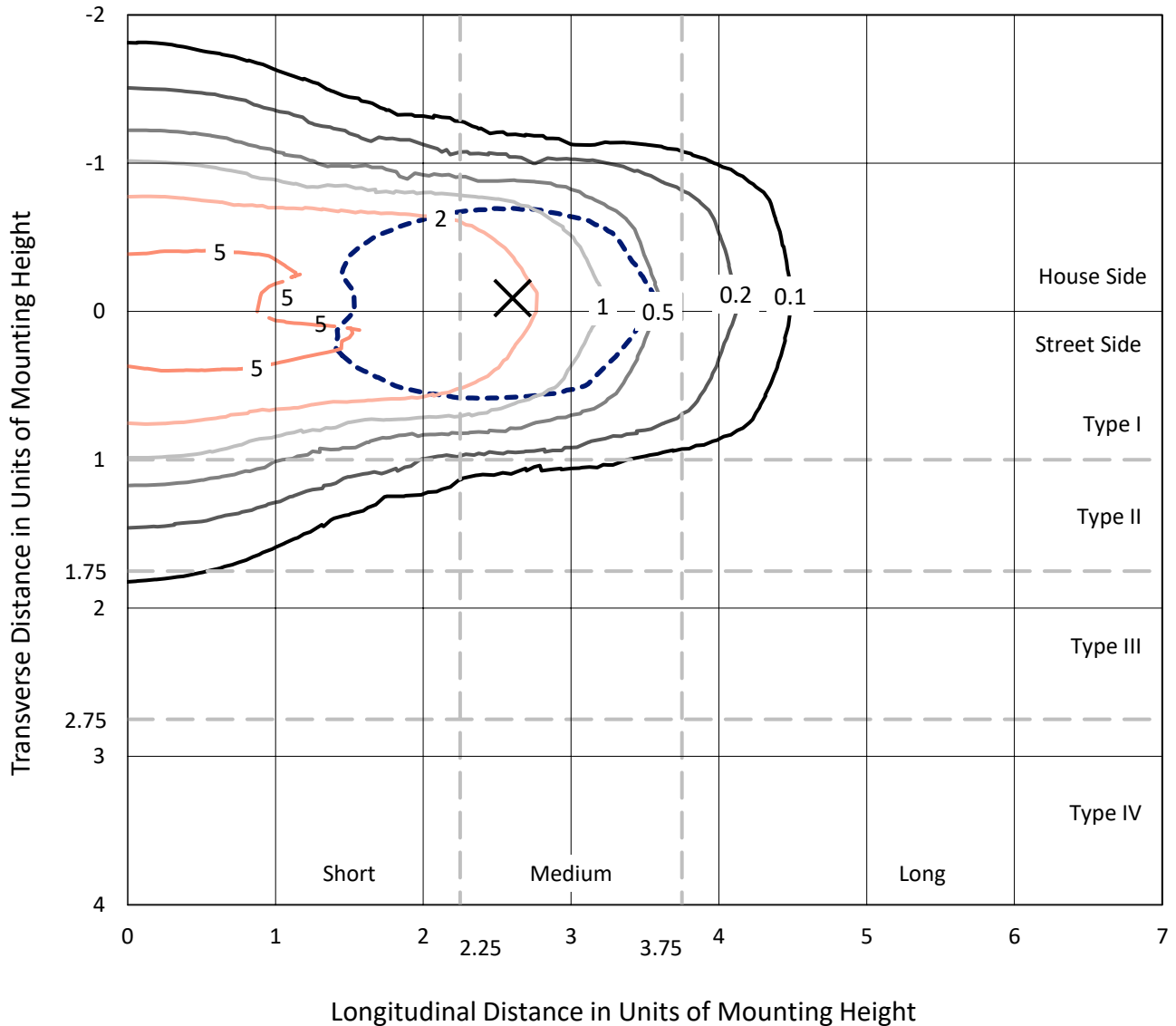
Lumens per Lamp: N/A
Luminaire Lumens: 8683.8 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 62.1
Input Voltage (V): 120
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

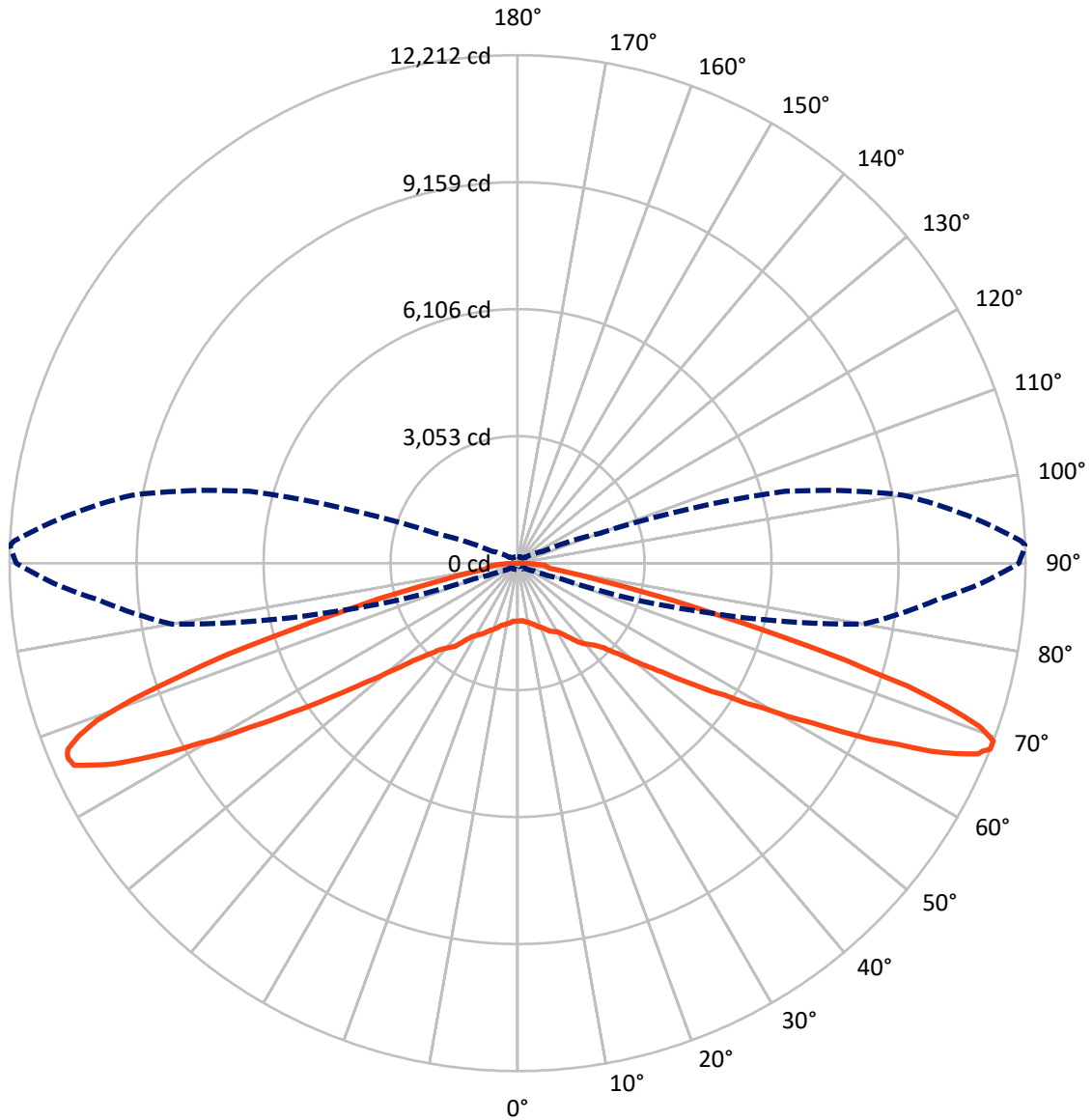
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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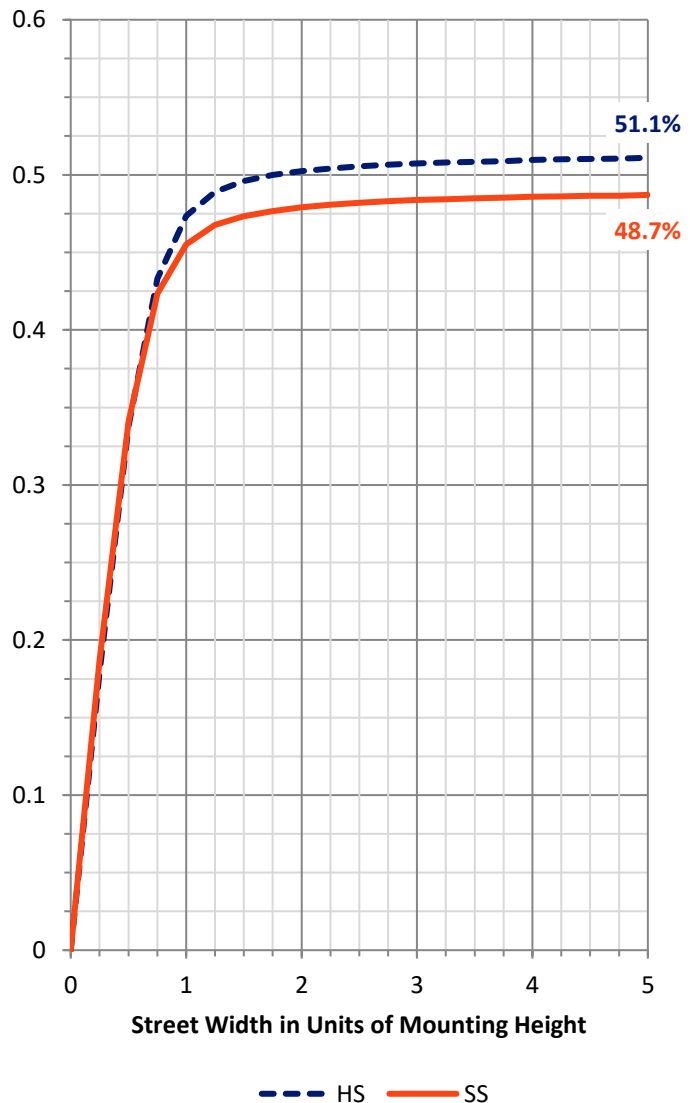
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4472.0	0.0	4472.0
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	4211.8	0.0	4211.8
	% Fixture	48.5	0.0	48.5
Total	Lumens	8683.8	0.0	8683.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	1.6
10°-20°	450.5	5.2
20°-30°	768.8	8.9
30°-40°	1073.4	12.4
40°-50°	1365.4	15.7
50°-60°	1726.5	19.9
60°-70°	2129.2	24.5
70°-80°	930.1	10.7
80°-90°	100.9	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8683.8	100.0
0°-180°	8683.8	100.0



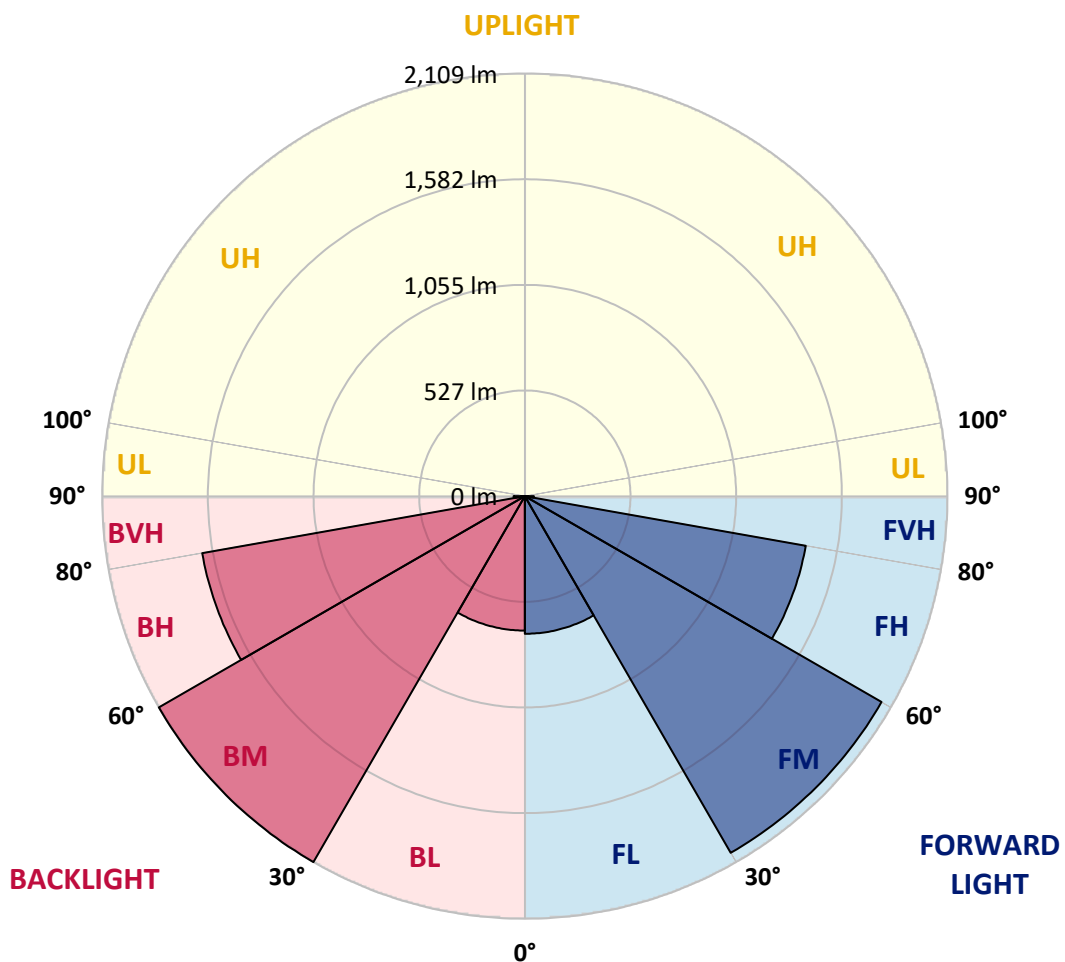
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	687.2	7.9			
FM (30°-60°)	2055.8	23.7			
FH (60°-80°)	1424.0	16.4			G1/1800
FVH (80°-90°)	44.7	0.5			G1/100
BL (0°-30°)	671.1	7.7	B2/1000		
BM (30°-60°)	2109.5	24.3	B2/2500		
BH (60°-80°)	1635.3	18.8	B3/2500		G3/2500
BVH (80°-90°)	56.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6
2.5°	1418.0	1416.3	1421.2	1424.5	1409.8	1414.7	1411.4	1408.2	1396.8	1391.9	1382.1
5°	1457.1	1462.0	1478.3	1463.6	1470.1	1462.0	1435.9	1444.0	1429.4	1426.1	1416.3
7.5°	1525.5	1515.7	1538.6	1522.3	1527.1	1510.9	1499.4	1484.8	1481.5	1458.7	1460.3
10°	1540.2	1559.7	1569.5	1566.3	1569.5	1577.7	1556.5	1533.7	1502.7	1496.2	1473.4
12.5°	1530.4	1548.3	1574.4	1595.6	1610.3	1613.5	1605.4	1600.5	1587.5	1550.0	1548.3
15°	1520.6	1507.6	1523.9	1597.2	1646.1	1678.7	1690.1	1662.4	1665.7	1616.8	1597.2
17.5°	1455.4	1435.9	1499.4	1571.2	1631.5	1703.2	1758.6	1750.4	1750.4	1711.3	1683.6
20°	1369.1	1401.7	1434.2	1525.5	1636.3	1743.9	1849.9	1845.0	1825.4	1814.0	1753.7
22.5°	1295.7	1310.4	1370.7	1466.8	1605.4	1755.3	1880.8	1970.5	1924.8	1879.2	1843.3
25°	1245.2	1232.2	1308.8	1408.2	1576.0	1735.8	1939.5	2032.4	2056.8	2022.6	1954.2
27.5°	1173.5	1173.5	1233.8	1328.3	1481.5	1726.0	1996.5	2138.3	2174.2	2123.7	2024.2
30°	1092.0	1101.8	1153.9	1261.5	1411.4	1654.3	2019.4	2260.6	2289.9	2245.9	2143.2
32.5°	1028.4	1028.4	1087.1	1201.2	1362.5	1621.7	2004.7	2381.2	2436.6	2404.0	2298.1
35°	960.0	955.1	997.5	1123.0	1284.3	1558.1	1999.8	2477.3	2601.2	2602.8	2492.0
37.5°	862.2	881.7	935.5	1034.9	1222.4	1496.2	1985.1	2593.1	2814.7	2852.2	2775.6
40°	797.0	805.1	854.0	963.2	1126.2	1422.8	1963.9	2687.6	2956.5	3085.3	2979.3
42.5°	702.5	713.9	751.4	886.6	1033.3	1318.5	1871.0	2754.4	3158.6	3305.3	3215.7
45°	603.0	609.6	665.0	775.8	933.9	1194.7	1771.6	2862.0	3354.2	3654.1	3601.9
47.5°	484.1	487.3	534.6	650.3	814.9	1070.8	1618.4	2857.1	3512.3	4002.9	4149.5
50°	378.1	386.3	422.1	516.7	671.5	919.2	1440.8	2818.0	3711.1	4400.5	4689.0
52.5°	301.5	303.1	326.0	400.9	518.3	767.6	1250.1	2694.1	3898.6	4790.1	5350.7
55°	249.4	249.4	262.4	308.0	397.7	583.5	1026.8	2488.7	3921.4	5220.3	6072.7
56°	239.6	236.3	247.7	286.8	358.6	526.4	922.5	2350.2	3954.0	5419.2	6434.6
57°	226.5	228.2	234.7	262.4	322.7	466.1	806.8	2214.9	3931.1	5582.2	6701.9
58°	220.0	216.8	229.8	247.7	285.2	414.0	726.9	2055.2	3895.3	5715.8	7091.4
59°	210.2	208.6	216.8	233.1	265.7	368.3	629.1	1882.5	3825.2	5888.6	7381.5
60°	207.0	205.4	208.6	221.7	244.5	322.7	554.1	1680.4	3637.8	6066.2	7741.7
61°	197.2	198.8	205.4	213.5	231.4	290.1	498.7	1473.4	3515.5	6216.2	8139.4
62°	198.8	195.6	198.8	205.4	218.4	267.3	436.8	1269.6	3297.1	6385.7	8437.6
63°	189.1	187.4	192.3	200.5	207.0	241.2	381.4	1096.9	3049.4	6424.8	8690.2
64°	185.8	184.2	185.8	197.2	198.8	226.5	337.4	937.2	2690.8	6491.6	9014.6
65°	177.7	177.7	180.9	185.8	192.3	213.5	301.5	813.3	2333.9	6315.6	9114.0
66°	171.1	172.8	172.8	180.9	185.8	198.8	277.1	691.0	1991.7	6035.3	9210.2
67°	166.2	166.2	167.9	174.4	179.3	187.4	249.4	598.1	1680.4	5701.1	9061.8
67.5°	163.0	164.6	164.6	171.1	176.0	187.4	238.0	567.2	1502.7	5334.4	8951.0
68°	158.1	159.7	159.7	166.2	171.1	180.9	229.8	518.3	1385.4	5096.5	8745.7
69°	154.8	153.2	153.2	159.7	166.2	172.8	213.5	453.1	1101.8	4431.5	8445.8
70°	145.1	145.1	148.3	153.2	158.1	164.6	197.2	399.3	932.3	3668.7	7673.2
71°	140.2	138.5	140.2	145.1	149.9	158.1	180.9	353.7	762.8	3046.2	6913.7
72°	130.4	133.6	133.6	138.5	143.4	148.3	169.5	308.0	640.5	2435.0	6077.6
72.5°	128.8	128.8	130.4	135.3	138.5	146.7	163.0	295.0	585.1	2146.5	5727.2
73°	123.9	123.9	125.5	130.4	133.6	141.8	158.1	265.7	533.0	1910.2	5072.0
74°	119.0	117.3	117.3	123.9	125.5	133.6	148.3	234.7	446.6	1439.1	4071.3
75°	110.8	110.8	112.5	115.7	117.3	123.9	136.9	208.6	376.5	1116.4	3184.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	91.3	92.9	94.5	97.8	97.8	102.7	112.5	145.1	229.8	565.6	1462.0
80°	66.8	70.1	75.0	79.9	78.2	78.2	88.0	104.3	136.9	254.3	560.7
82.5°	53.8	57.0	52.2	58.7	58.7	55.4	63.6	76.6	92.9	125.5	200.5
85°	35.9	37.5	31.0	35.9	34.2	34.2	42.4	45.6	57.0	70.1	99.4
87.5°	16.3	16.3	13.0	14.7	14.7	14.7	21.2	16.3	24.4	34.2	58.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6
2.5°	1391.9	1398.4	1398.4	1391.9	1387.0	1391.9	1388.6	1380.5	1388.6	1391.9	1393.5
5°	1411.4	1398.4	1404.9	1390.2	1400.0	1398.4	1395.1	1403.3	1404.9	1404.9	1416.3
7.5°	1432.6	1448.9	1427.7	1429.4	1434.2	1414.7	1421.2	1424.5	1418.0	1431.0	1440.8
10°	1470.1	1476.6	1470.1	1445.7	1462.0	1448.9	1444.0	1458.7	1455.4	1458.7	1473.4
12.5°	1504.3	1515.7	1497.8	1496.2	1488.0	1476.6	1483.1	1481.5	1504.3	1507.6	1525.5
15°	1574.4	1545.1	1538.6	1536.9	1533.7	1528.8	1532.0	1533.7	1563.0	1567.9	1610.3
17.5°	1634.7	1629.8	1594.0	1607.0	1607.0	1587.5	1579.3	1607.0	1629.8	1654.3	1683.6
20°	1696.7	1691.8	1652.6	1654.3	1639.6	1657.5	1647.8	1673.8	1713.0	1721.1	1747.2
22.5°	1770.0	1748.8	1721.1	1724.4	1729.2	1716.2	1709.7	1745.5	1784.7	1807.5	1809.1
25°	1885.7	1831.9	1809.1	1812.4	1805.9	1796.1	1801.0	1846.6	1866.2	1915.0	1905.3
27.5°	1947.6	1916.7	1900.4	1862.9	1864.5	1849.9	1869.4	1937.9	1977.0	2014.5	1939.5
30°	2022.6	2003.1	1931.3	1918.3	1916.7	1910.2	1946.0	2034.0	2092.7	2113.9	2006.3
32.5°	2169.3	2091.1	2073.1	2061.7	2035.7	2043.8	2061.7	2177.5	2270.4	2265.5	2068.3
35°	2337.2	2283.4	2232.9	2223.1	2219.8	2197.0	2228.0	2363.3	2435.0	2413.8	2091.1
37.5°	2606.1	2524.6	2456.2	2418.7	2412.1	2395.8	2469.2	2576.8	2669.7	2586.5	2109.0
40°	2738.1	2646.8	2583.3	2560.5	2565.4	2588.2	2659.9	2824.5	2865.2	2712.0	2123.7
42.5°	2927.2	2827.8	2702.3	2690.8	2676.2	2687.6	2826.1	3047.8	3082.0	2881.5	2068.3
45°	3262.9	3113.0	2967.9	2902.7	2906.0	2937.0	3152.1	3394.9	3331.4	2998.9	1980.2
47.5°	3686.7	3466.6	3349.3	3261.3	3303.7	3269.4	3611.7	3805.7	3588.9	3147.2	1872.7
50°	4323.9	4015.9	3856.2	3750.2	3768.2	3797.5	4144.7	4309.3	3874.1	3218.9	1708.1
52.5°	5127.4	4731.4	4496.7	4354.9	4367.9	4431.5	4879.7	4829.2	4200.1	3279.2	1488.0
55°	6089.0	5681.6	5226.9	5168.2	5153.5	5305.1	5798.9	5373.5	4493.4	3183.1	1259.9
56°	6597.5	6164.0	5691.4	5570.8	5534.9	5640.8	6221.1	5645.7	4594.5	3075.5	1150.7
57°	7029.5	6615.5	6097.2	5891.8	5937.5	6136.3	6639.9	5901.6	4687.4	2964.7	1048.0
58°	7622.7	7150.1	6602.4	6446.0	6405.2	6563.3	7091.4	6159.1	4718.4	2850.6	953.4
59°	8214.3	7647.2	7153.3	6868.1	6879.5	7168.0	7536.3	6465.5	4765.6	2705.5	832.8
60°	8664.2	8379.0	7718.9	7505.4	7476.0	7893.3	7979.6	6670.9	4816.1	2509.9	748.1
61°	9301.4	8929.8	8315.4	8039.9	8119.8	8453.9	8458.8	6928.4	4741.2	2262.2	643.8
62°	9759.4	9661.6	9016.2	8753.8	8729.4	9172.7	8957.5	7154.9	4676.0	2027.5	568.8
63°	10295.6	10295.6	9707.3	9501.9	9513.3	9863.7	9174.3	7381.5	4601.0	1768.4	500.4
64°	10574.3	10924.7	10382.0	10093.5	10168.5	10471.7	9560.6	7529.8	4369.6	1506.0	440.1
65°	10815.5	11342.0	11040.5	10906.8	10792.7	10972.0	9894.7	7668.3	4015.9	1281.0	391.2
66°	11019.3	11734.8	11635.3	11491.9	11480.5	11439.8	9959.9	7663.5	3650.8	1082.2	342.3
67°	10916.6	11742.9	11923.8	11984.1	11966.2	11535.9	9845.8	7489.1	3183.1	914.3	304.8
67.5°	10823.7	11676.1	12096.6	12062.4	12137.3	11617.4	9865.4	7275.6	2850.6	828.0	286.8
68°	10742.2	11586.5	12166.7	12210.7	12173.2	11627.2	9757.8	7106.1	2624.0	777.4	270.6
69°	10124.5	11161.1	12054.2	12212.3	12116.1	11254.0	9415.5	6664.4	2084.6	663.3	249.4
70°	9505.2	10610.2	11508.2	11798.3	11679.4	10532.0	8983.6	5961.9	1719.5	567.2	224.9
71°	8647.9	9586.7	10781.3	10955.7	10812.3	9710.5	8090.5	5220.3	1338.1	480.8	200.5
72°	7484.2	8281.2	9422.0	9844.2	9632.3	8528.9	7187.5	4314.2	1083.8	404.2	182.5
72.5°	6907.2	7723.8	8823.9	8858.1	8898.9	8015.5	6804.5	3789.4	945.3	374.9	177.7
73°	6359.6	7159.8	8111.7	8232.3	8059.5	7150.1	6232.5	3388.4	863.8	342.3	171.1
74°	5153.5	5609.9	6398.7	6516.1	6364.5	5829.9	5093.2	2597.9	687.8	295.0	156.5
75°	4055.0	4306.0	5019.9	4948.2	4721.6	4534.2	3949.1	1985.1	557.4	259.1	145.1



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1822.1	1973.7	2092.7	2092.7	2105.7	2009.6	1820.5	911.1	343.9	187.4	119.0
80°	694.3	777.4	803.5	805.1	816.5	845.9	787.2	448.2	203.7	133.6	96.2
82.5°	503.6	704.1	757.9	718.8	722.0	651.9	301.5	198.8	128.8	92.9	70.1
85°	456.4	612.8	648.7	643.8	645.4	603.0	177.7	97.8	75.0	58.7	48.9
87.5°	221.7	216.8	229.8	259.1	252.6	327.6	149.9	48.9	32.6	24.4	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P672971

CATALOG NUMBER: CCP-SA-2C-735-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6
2.5°	1380.5	1378.8	1401.7	1378.8	1391.9	1382.1
5°	1396.8	1403.3	1408.2	1418.0	1395.1	1418.0
7.5°	1445.7	1452.2	1453.8	1462.0	1452.2	1450.5
10°	1483.1	1499.4	1509.2	1476.6	1496.2	1494.6
12.5°	1556.5	1540.2	1538.6	1532.0	1514.1	1507.6
15°	1608.6	1584.2	1569.5	1543.4	1522.3	1514.1
17.5°	1682.0	1634.7	1574.4	1520.6	1483.1	1453.8
20°	1727.6	1642.9	1522.3	1458.7	1401.7	1414.7
22.5°	1757.0	1634.7	1475.0	1393.5	1336.5	1352.8
25°	1766.7	1594.0	1442.4	1341.3	1285.9	1274.5
27.5°	1739.0	1546.7	1378.8	1264.7	1215.9	1225.6
30°	1726.0	1478.3	1320.2	1207.7	1142.5	1152.3
32.5°	1691.8	1408.2	1241.9	1127.8	1080.6	1064.3
35°	1642.9	1349.5	1167.0	1059.4	1002.3	989.3
37.5°	1582.6	1276.2	1101.8	971.4	920.9	911.1
40°	1492.9	1188.1	1007.2	894.8	836.1	834.5
42.5°	1414.7	1103.4	919.2	803.5	744.8	748.1
45°	1315.3	989.3	818.2	718.8	660.1	663.3
47.5°	1188.1	883.4	722.0	611.2	562.3	559.0
50°	1038.2	762.8	604.7	510.1	469.4	461.2
52.5°	894.8	640.5	495.5	410.7	376.5	373.2
55°	713.9	498.7	386.3	322.7	296.6	298.3
56°	648.7	459.6	352.0	295.0	275.4	275.4
57°	586.7	407.5	319.4	272.2	254.3	254.3
58°	518.3	358.6	290.1	246.1	238.0	231.4
59°	471.0	326.0	262.4	233.1	220.0	218.4
60°	415.6	293.4	244.5	218.4	208.6	207.0
61°	368.3	264.0	224.9	203.7	200.5	200.5
62°	329.2	244.5	208.6	197.2	195.6	190.7
63°	295.0	224.9	200.5	187.4	182.5	187.4
64°	264.0	207.0	193.9	184.2	177.7	180.9
65°	239.6	198.8	185.8	179.3	172.8	174.4
66°	223.3	185.8	179.3	171.1	167.9	169.5
67°	202.1	179.3	172.8	164.6	163.0	164.6
67.5°	195.6	174.4	169.5	161.4	159.7	161.4
68°	190.7	171.1	167.9	159.7	158.1	156.5
69°	177.7	164.6	159.7	156.5	153.2	151.6
70°	166.2	158.1	154.8	149.9	146.7	145.1
71°	159.7	149.9	148.3	143.4	140.2	138.5
72°	151.6	145.1	141.8	135.3	133.6	135.3
72.5°	149.9	141.8	140.2	133.6	132.0	132.0
73°	145.1	135.3	136.9	130.4	127.1	130.4
74°	135.3	132.0	128.8	123.9	122.2	122.2
75°	127.1	123.9	120.6	117.3	117.3	117.3



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82.5°	65.2	66.8	70.1	65.2	61.9	58.7
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