

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: McGRAW-EDISON

Report Number: P158126

Luminaire Tested: **VTS-F05-LED-E1-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158126
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F05-LED-E1-SL2-7050
Description: VENTUS LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (35) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

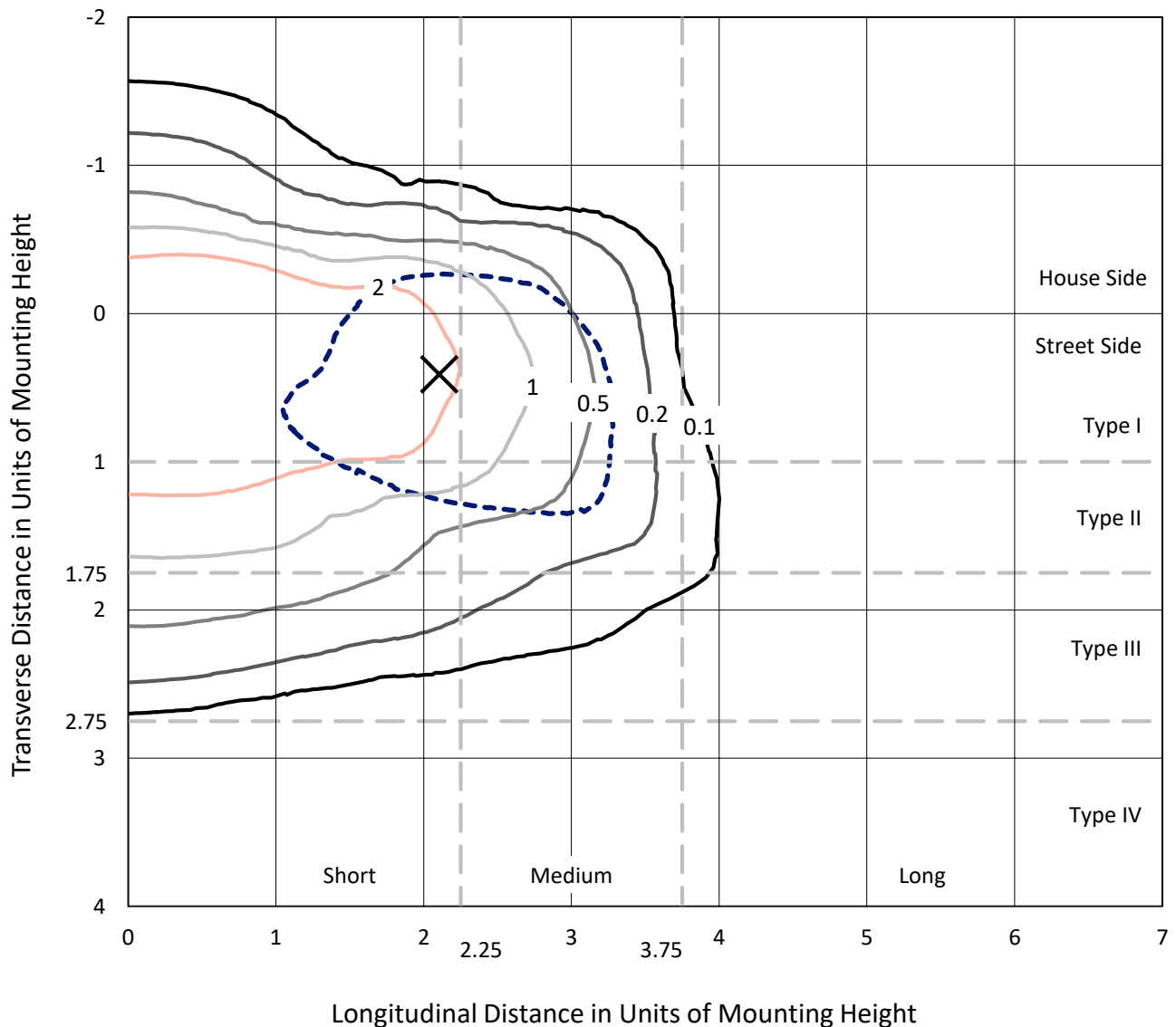
Lumens per Lamp: N/A
Luminaire Lumens: 12743.3 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 133.3
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

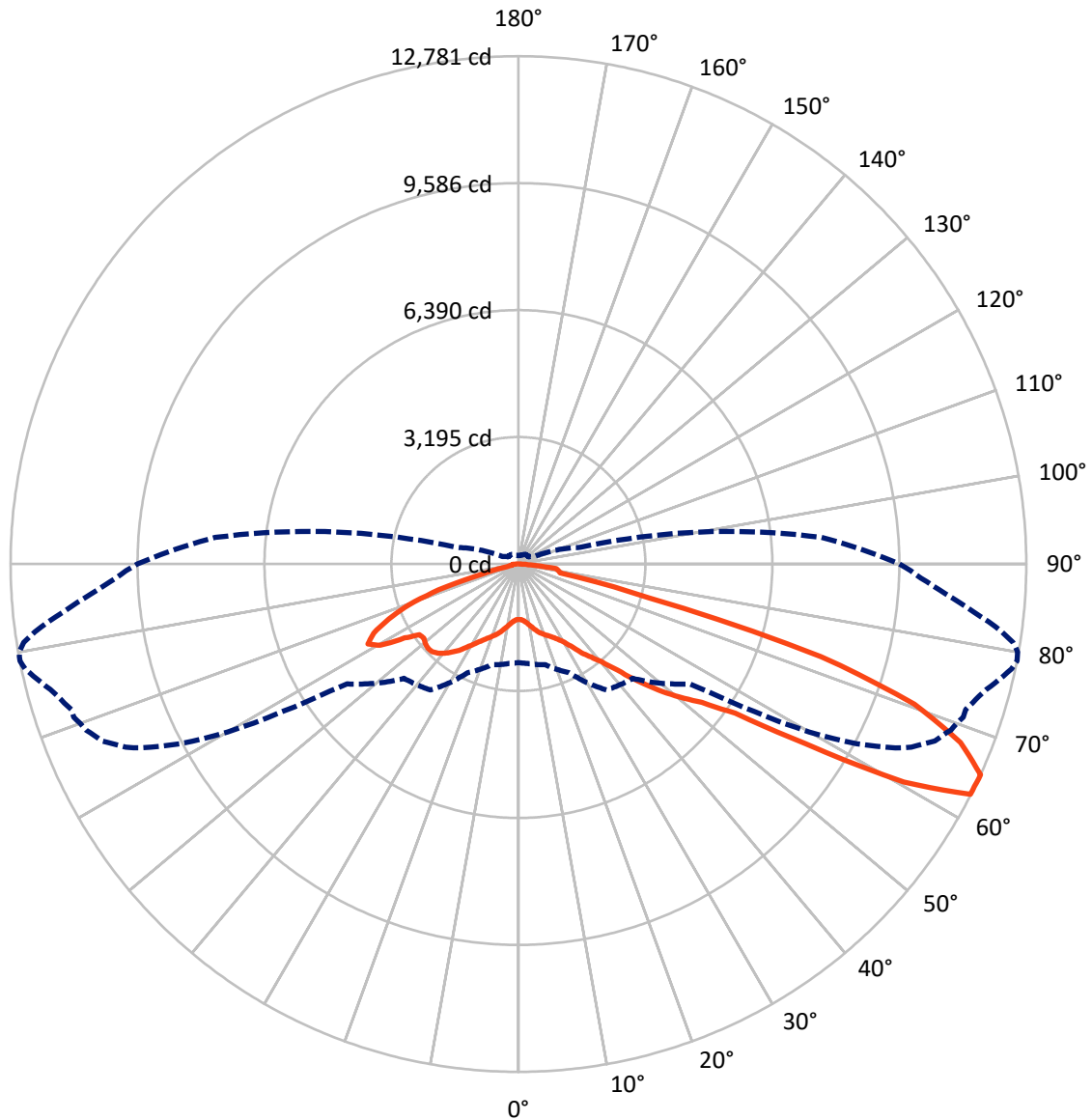
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2928.2	0.0	2928.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	9815.1	0.0	9815.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	12743.3	0.0	12743.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	1.1
10°-20°	448.0	3.5
20°-30°	772.4	6.1
30°-40°	1265.1	9.9
40°-50°	2118.6	16.6
50°-60°	2865.7	22.5
60°-70°	3529.1	27.7
70°-80°	1366.1	10.7
80°-90°	240.2	1.9
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°	12743.3	100.0
0°-180°	12743.3	100.0



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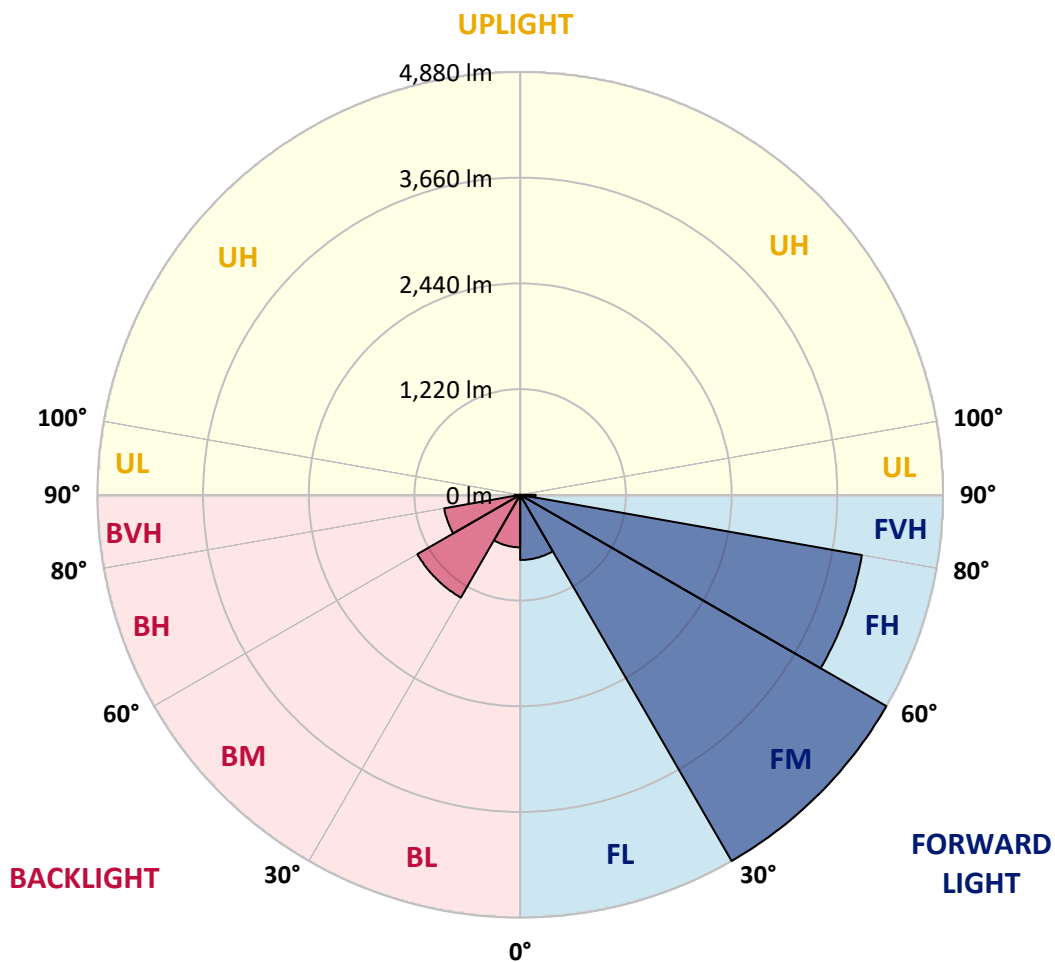
CATALOG NUMBER: VTS-F05-LED-E1-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	752.3	5.9			
FM (30°-60°)	4880.1	38.3			
FH (60°-80°)	4004.4	31.4			G2/5000
FVH (80°-90°)	178.3	1.4			G2/225
BL (0°-30°)	606.0	4.8	B2/1000		
BM (30°-60°)	1369.4	10.7	B2/2500		
BH (60°-80°)	890.9	7.0	B2/1000		G2/1000
BVH (80°-90°)	62.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3
2.5°	1396.8	1392.6	1396.8	1400.2	1402.8	1406.1	1405.3	1404.5	1403.6	1404.5	1404.5
5°	1408.7	1407.8	1412.1	1415.5	1421.4	1425.6	1430.7	1430.7	1430.7	1429.9	1431.6
7.5°	1446.8	1446.0	1450.2	1453.6	1458.7	1467.1	1473.9	1477.3	1476.5	1476.5	1476.5
10°	1509.5	1506.1	1506.1	1506.1	1512.9	1518.8	1534.1	1535.7	1539.1	1537.4	1538.3
12.5°	1570.5	1571.3	1568.8	1566.2	1567.1	1578.9	1601.0	1605.2	1606.1	1608.6	1610.3
15°	1625.5	1624.7	1618.8	1612.8	1620.5	1640.8	1669.6	1677.2	1677.2	1682.3	1685.7
17.5°	1676.4	1674.7	1663.7	1653.5	1661.1	1695.8	1740.7	1745.8	1753.4	1756.0	1759.4
20°	1736.5	1733.1	1720.4	1693.3	1693.3	1740.7	1800.0	1805.1	1811.9	1813.6	1819.5
22.5°	1820.4	1811.9	1784.8	1735.7	1722.1	1777.2	1850.0	1852.6	1857.6	1864.4	1869.5
25°	1915.2	1916.9	1872.9	1787.3	1757.7	1815.3	1898.3	1902.5	1911.8	1916.9	1922.9
27.5°	2013.5	2016.0	1966.9	1860.2	1810.2	1867.8	1963.5	1968.6	1979.6	1985.5	1994.9
30°	2125.3	2128.7	2081.3	1973.7	1897.4	1944.9	2060.1	2073.6	2083.0	2090.6	2105.8
32.5°	2393.8	2373.5	2340.5	2226.1	2105.8	2102.4	2215.9	2231.2	2243.9	2260.0	2274.4
35°	2731.8	2744.5	2761.5	2684.4	2578.5	2501.4	2510.7	2502.3	2514.1	2537.8	2552.2
37.5°	2999.5	3027.4	3101.1	3151.1	3146.9	3131.6	2989.3	2989.3	2997.0	2984.2	2982.6
40°	3209.6	3227.4	3378.1	3572.1	3735.6	3816.1	3703.4	3687.3	3695.8	3630.6	3633.1
42.5°	3318.0	3344.3	3561.1	3901.6	4226.1	4484.4	4449.7	4438.7	4413.3	4397.2	4387.0
45°	3373.1	3404.4	3662.8	4130.3	4603.0	5002.0	5181.6	5179.9	5157.0	5138.4	5129.9
47.5°	3345.1	3372.2	3647.5	4199.8	4801.2	5335.7	5733.0	5757.6	5750.8	5777.9	5788.9
50°	3162.1	3196.9	3473.0	4049.9	4718.2	5467.0	6115.0	6160.8	6222.6	6261.6	6313.3
52.5°	2997.0	3025.8	3274.8	3806.8	4445.5	5360.3	6345.4	6439.5	6524.2	6603.8	6665.6
55°	2824.2	2853.0	3071.5	3554.3	4170.2	5045.2	6450.5	6587.7	6719.9	6854.5	6978.2
57.5°	2758.9	2789.4	2952.1	3358.7	3944.8	4732.6	6502.2	6727.5	6942.6	7171.3	7408.5
60°	2928.3	2955.4	3079.1	3363.7	3772.9	4420.0	6398.0	6752.0	7122.2	7499.2	7863.4
62.5°	2876.7	2891.1	3045.2	3486.6	3992.3	4111.7	5946.5	6414.1	6951.9	7504.2	8062.5
65°	2481.9	2509.9	2625.9	3013.9	3869.4	4070.2	5258.6	5728.8	6363.2	7016.3	7764.3
67.5°	1780.6	1741.6	1831.4	2171.1	3002.0	4063.4	4484.4	4832.6	5329.8	5830.4	6443.7
70°	809.0	790.3	860.6	1129.2	1811.0	3211.3	3791.5	3909.3	4093.9	4431.1	4845.3
72.5°	319.3	318.5	364.2	466.7	856.4	2066.9	3188.4	3256.2	3321.4	3467.9	3646.7
75°	209.2	209.2	222.8	251.6	421.8	997.9	2697.1	2758.9	2858.9	2900.4	2976.6
77.5°	157.6	158.4	164.3	171.1	232.9	525.2	1903.4	2122.8	2292.2	2418.4	2510.7
80°	111.8	116.9	127.9	132.1	151.6	299.0	1075.8	1234.2	1425.6	1629.8	1886.4
82.5°	83.9	89.8	108.4	113.5	120.3	170.3	485.4	550.6	642.9	833.5	1198.6
85°	39.0	43.2	74.5	81.3	87.2	98.3	246.5	275.3	312.6	342.2	399.0
87.5°	5.9	4.2	12.7	17.8	28.0	28.8	84.7	100.8	109.3	131.3	136.4
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3
2.5°	1404.5	1405.3	1406.1	1404.5	1405.3	1405.3	1403.6	1402.8	1402.8	1402.8	1403.6
5°	1431.6	1433.3	1431.6	1432.4	1435.8	1434.9	1433.3	1432.4	1435.8	1436.6	1434.1
7.5°	1479.8	1480.7	1477.3	1481.5	1483.2	1484.1	1484.1	1485.8	1485.8	1488.3	1485.8
10°	1541.7	1541.7	1547.6	1546.8	1547.6	1549.3	1550.1	1553.5	1556.1	1556.1	1557.8
12.5°	1612.8	1613.7	1619.6	1620.5	1623.8	1624.7	1629.8	1626.4	1634.9	1634.9	1637.4
15°	1686.5	1692.5	1693.3	1701.8	1703.5	1704.3	1711.1	1711.1	1717.0	1717.9	1719.6
17.5°	1759.4	1764.5	1767.8	1774.6	1780.6	1783.1	1785.6	1790.7	1795.0	1796.6	1800.9
20°	1822.1	1827.1	1830.5	1837.3	1842.4	1846.6	1849.2	1855.1	1859.3	1861.0	1867.0
22.5°	1874.6	1878.0	1883.9	1893.2	1894.9	1900.0	1907.6	1911.8	1913.5	1918.6	1925.4
25°	1930.5	1935.6	1939.0	1947.4	1954.2	1962.7	1969.5	1976.2	1977.9	1984.7	1990.6
27.5°	2005.0	2010.1	2011.0	2027.9	2034.7	2046.5	2054.2	2064.3	2069.4	2075.3	2087.2
30°	2115.1	2127.0	2132.1	2151.6	2155.0	2168.5	2182.1	2185.5	2193.1	2193.9	2213.4
32.5°	2283.7	2300.7	2307.4	2327.8	2332.8	2345.6	2353.2	2371.0	2371.8	2380.3	2384.5
35°	2559.9	2555.6	2581.9	2587.0	2602.2	2613.2	2620.9	2620.9	2636.9	2637.8	2642.9
37.5°	2936.8	2928.3	2935.1	2904.6	2912.2	2898.7	2896.2	2899.5	2892.8	2894.5	2893.6
40°	3539.9	3501.8	3462.0	3368.0	3347.6	3308.7	3278.2	3253.6	3229.9	3204.5	3187.5
42.5°	4296.4	4241.3	4182.0	4031.2	3960.9	3885.5	3811.8	3769.5	3684.8	3633.1	3605.2
45°	5089.2	5024.9	4941.8	4816.5	4716.5	4636.0	4501.4	4437.8	4306.5	4241.3	4153.2
47.5°	5738.9	5739.8	5672.9	5545.8	5439.1	5385.7	5301.8	5179.0	5029.9	4946.1	4789.4
50°	6307.3	6306.5	6302.2	6226.0	6151.5	6093.0	6019.3	5908.4	5786.4	5691.5	5511.9
52.5°	6727.5	6783.4	6807.1	6806.3	6796.9	6769.8	6713.9	6618.2	6494.5	6441.2	6298.0
55°	7074.8	7196.8	7260.3	7399.2	7411.9	7456.8	7407.7	7408.5	7335.7	7340.8	7295.0
57.5°	7600.8	7823.6	7951.5	8259.0	8413.2	8599.5	8566.5	8722.3	8779.1	8851.1	8946.8
60°	8198.0	8613.9	8917.2	9528.8	9777.8	10079.4	10245.4	10422.4	10551.2	10683.3	10780.7
62.5°	8624.9	9171.3	9669.4	10541.0	10864.6	11182.2	11391.5	11605.8	11750.6	11845.5	11915.8
65°	8450.4	9054.4	9643.1	10557.1	10909.5	11139.9	11388.9	11512.6	11657.5	11736.2	11837.0
67.5°	7180.7	7786.3	8417.4	9495.7	9864.2	10182.7	10376.7	10536.8	10653.7	10753.6	10869.7
70°	5340.0	6002.4	6654.6	7837.1	8302.2	8762.2	8990.9	9189.1	9311.1	9411.9	9539.8
72.5°	3843.2	4258.2	4665.7	5989.7	6454.7	7049.4	7286.5	7506.8	7665.2	7660.1	7795.6
75°	3059.6	3228.2	3409.5	4093.1	4426.8	4928.3	5061.3	5184.9	5110.4	4967.3	4958.8
77.5°	2547.2	2616.6	2677.6	2891.9	2941.0	3060.5	2994.4	2925.8	2704.7	2518.4	2420.1
80°	2067.7	2204.9	2294.7	2447.2	2509.9	2545.5	2554.8	2531.1	2449.7	2337.1	2157.5
82.5°	1537.4	1798.3	1976.2	2276.1	2386.2	2409.1	2453.1	2426.0	2372.7	2281.2	2152.4
85°	450.6	509.9	584.5	792.9	929.2	1045.3	1163.9	1222.3	1258.8	1207.9	1074.9
87.5°	158.4	178.7	199.9	275.3	293.1	354.1	347.3	410.0	412.5	430.3	411.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3
2.5°	1402.8	1402.8	1402.8	1403.6	1403.6	1403.6	1401.9	1401.1	1401.9	1403.6	1403.6
5°	1435.8	1436.6	1438.3	1434.9	1435.8	1438.3	1436.6	1435.8	1436.6	1438.3	1436.6
7.5°	1489.2	1490.0	1488.3	1491.7	1491.7	1493.4	1495.9	1493.4	1494.2	1495.1	1495.9
10°	1558.6	1559.5	1561.2	1563.7	1564.5	1566.2	1567.9	1570.5	1570.5	1568.8	1573.0
12.5°	1641.6	1640.8	1642.5	1645.9	1647.6	1650.1	1655.2	1655.2	1658.6	1657.7	1662.0
15°	1723.0	1727.2	1728.0	1734.0	1736.5	1740.7	1746.7	1750.1	1750.1	1755.1	1756.8
17.5°	1804.3	1807.7	1811.0	1816.1	1819.5	1822.1	1828.8	1833.1	1832.2	1841.5	1841.5
20°	1867.0	1873.7	1878.0	1881.4	1887.3	1891.5	1896.6	1901.7	1905.1	1911.0	1912.7
22.5°	1927.9	1932.2	1938.1	1942.3	1949.1	1954.2	1960.1	1964.4	1970.3	1977.9	1980.5
25°	1995.7	2002.5	2009.3	2015.2	2020.3	2026.2	2036.4	2045.7	2054.2	2060.9	2063.5
27.5°	2089.7	2097.4	2107.5	2111.8	2119.4	2124.5	2139.7	2151.6	2155.8	2167.7	2171.1
30°	2216.8	2225.3	2235.4	2240.5	2254.1	2260.8	2276.9	2289.6	2293.9	2308.3	2310.8
32.5°	2400.6	2405.7	2426.0	2425.2	2443.8	2463.3	2472.6	2482.8	2501.4	2509.0	2511.6
35°	2655.6	2667.4	2681.8	2681.0	2704.7	2715.7	2734.4	2745.4	2758.9	2758.1	2772.5
37.5°	2902.1	2906.3	2911.4	2922.4	2939.4	2954.6	2961.4	2972.4	2982.6	2997.8	3016.4
40°	3170.6	3180.8	3181.6	3187.5	3196.0	3215.5	3228.2	3240.1	3274.8	3296.8	3307.8
42.5°	3573.0	3570.4	3553.5	3564.5	3569.6	3599.2	3608.5	3645.0	3683.9	3730.5	3743.2
45°	4090.5	4056.6	4046.5	4042.2	4069.4	4084.6	4122.7	4190.5	4231.1	4275.2	4296.4
47.5°	4727.5	4621.6	4571.7	4560.7	4588.6	4653.8	4666.5	4733.5	4786.8	4819.0	4840.2
50°	5365.4	5282.4	5177.3	5141.7	5134.1	5194.3	5208.7	5264.6	5318.8	5328.1	5317.1
52.5°	6166.7	6031.2	5857.5	5794.8	5744.9	5749.1	5761.0	5784.7	5819.4	5805.0	5775.4
55°	7191.7	7037.5	6951.9	6833.4	6758.0	6744.4	6692.7	6621.6	6619.0	6628.4	6539.4
57.5°	8898.5	8834.2	8870.6	8857.9	8783.3	8828.2	8595.3	8529.2	8476.7	8385.2	8303.0
60°	10867.1	10933.2	11008.6	11182.2	11174.6	11349.1	11187.3	11146.7	11097.5	10815.5	10677.4
62.5°	12038.6	12064.9	12175.9	12337.7	12496.9	12663.8	12739.2	12765.4	12662.9	12432.5	12144.5
65°	11834.5	11950.5	12058.1	12197.9	12361.4	12528.2	12687.5	12780.7	12757.0	12604.5	12287.7
67.5°	10906.9	11028.9	11186.5	11333.0	11509.2	11654.1	11828.6	11999.7	12004.8	11928.5	11708.3
70°	9553.3	9694.8	9857.4	9939.6	10130.2	10261.5	10406.3	10575.7	10630.8	10640.1	10383.5
72.5°	7766.8	7826.1	7905.8	7862.6	7900.7	7984.5	7945.6	7959.1	7749.9	7788.9	7472.1
75°	4730.1	4675.9	4435.3	4215.9	3948.2	3742.4	3791.5	3398.5	3011.4	2991.9	2712.3
77.5°	2398.9	2312.5	2163.4	2008.4	1781.4	1521.3	1304.5	1070.7	873.3	760.7	653.1
80°	2043.1	1982.2	1900.0	1787.3	1622.1	1429.9	1203.7	1025.8	860.6	688.7	551.4
82.5°	1955.1	1768.7	1649.3	1555.2	1376.5	1198.6	1074.9	953.0	836.1	730.2	578.6
85°	969.9	858.1	725.9	643.8	495.5	388.0	363.4	299.0	278.7	215.2	181.3
87.5°	326.1	266.8	199.1	167.7	133.8	109.3	107.6	95.7	94.9	86.4	79.6
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3
2.5°	1402.8	1404.5	1404.5	1402.8	1403.6	1401.9	1402.8	1403.6	1401.1	1400.2	1397.7
5°	1437.5	1436.6	1436.6	1437.5	1440.0	1440.9	1436.6	1438.3	1439.2	1434.9	1425.6
7.5°	1495.1	1495.1	1497.6	1496.8	1501.9	1500.2	1499.3	1499.3	1499.3	1490.9	1475.6
10°	1573.0	1573.0	1575.6	1578.9	1579.8	1578.1	1578.1	1578.9	1583.2	1566.2	1542.5
12.5°	1660.3	1664.5	1663.7	1663.7	1673.8	1671.3	1667.9	1671.3	1675.5	1651.8	1617.9
15°	1757.7	1760.2	1761.9	1767.8	1766.2	1772.1	1773.8	1772.1	1776.3	1745.8	1689.1
17.5°	1845.8	1850.9	1852.6	1859.3	1859.3	1860.2	1867.0	1864.4	1865.3	1830.5	1749.2
20°	1918.6	1923.7	1926.2	1933.9	1935.6	1939.0	1941.5	1943.2	1947.4	1905.9	1798.3
22.5°	1991.5	1995.7	1999.9	2005.0	2011.8	2016.0	2019.4	2021.1	2028.7	1980.5	1844.9
25°	2072.8	2082.1	2086.3	2094.8	2101.6	2108.4	2113.5	2114.3	2127.0	2066.9	1883.0
27.5°	2181.2	2193.9	2200.7	2214.3	2221.0	2227.8	2226.1	2236.3	2254.1	2166.0	1912.7
30°	2323.5	2339.6	2343.9	2357.4	2368.4	2375.2	2382.8	2391.3	2403.2	2276.1	1927.1
32.5°	2521.7	2546.3	2552.2	2559.9	2576.0	2587.8	2592.9	2606.5	2609.8	2380.3	1922.9
35°	2793.7	2782.6	2811.4	2818.2	2841.1	2850.4	2856.3	2874.1	2860.6	2493.8	1894.9
37.5°	3039.3	3035.9	3063.9	3079.1	3108.8	3102.0	3116.4	3128.3	3080.0	2574.3	1843.2
40°	3339.2	3334.9	3373.9	3379.0	3424.7	3414.6	3420.5	3429.8	3322.2	2630.2	1749.2
42.5°	3757.6	3759.3	3800.8	3805.9	3811.8	3830.5	3800.0	3801.7	3579.7	2645.4	1594.2
45°	4309.1	4338.7	4313.3	4314.2	4312.5	4276.9	4238.8	4193.9	3847.4	2592.9	1394.3
47.5°	4843.6	4823.2	4791.1	4761.4	4736.8	4680.9	4625.0	4548.8	4078.7	2468.4	1171.5
50°	5301.0	5255.3	5226.5	5144.3	5085.8	5013.0	4935.1	4847.8	4268.4	2288.8	963.1
52.5°	5726.2	5678.8	5571.2	5485.7	5401.8	5305.2	5214.6	5112.1	4436.1	2083.8	803.9
55°	6432.7	6391.2	6283.6	6126.9	6023.6	5890.6	5771.1	5632.2	4775.8	1917.8	698.8
57.5°	8076.9	8041.3	7815.1	7716.0	7579.6	7245.9	7196.8	6979.9	5686.4	1898.3	637.0
60°	10391.9	10239.5	10051.4	9780.3	9461.0	9350.9	9105.2	8816.4	7151.9	1951.7	587.0
62.5°	11813.3	11466.0	11189.9	10877.3	10583.4	10330.9	10062.4	9776.9	7901.5	1881.4	525.2
65°	11920.0	11511.8	11146.7	10779.9	10449.5	10135.3	9874.4	9588.9	7657.6	1617.1	444.7
67.5°	11332.2	10901.9	10503.7	10087.8	9754.1	9470.3	9138.3	8863.8	6969.7	1258.8	370.2
70°	10120.0	9742.2	9399.2	8951.0	8674.1	8328.4	8117.5	7774.5	6075.2	858.1	305.8
72.5°	7289.1	7004.5	6892.7	6580.1	6217.5	6014.2	5916.8	5583.9	4489.5	532.8	249.9
75°	2462.4	2532.8	2371.8	2125.3	2245.6	2060.1	2135.5	1977.1	1899.1	305.8	210.1
77.5°	546.4	513.3	474.4	440.5	437.9	411.7	436.2	412.5	441.3	194.8	185.5
80°	431.2	340.5	289.7	264.3	250.7	243.1	237.2	230.4	210.1	166.0	171.1
82.5°	465.9	351.5	257.5	205.8	176.2	165.2	162.6	155.9	154.2	160.9	172.8
85°	149.1	124.5	105.9	100.0	92.3	88.1	86.4	83.9	101.6	175.3	166.0
87.5°	77.9	68.6	61.0	58.4	50.8	47.4	46.6	47.4	71.2	175.3	120.3
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):

	125°	135°	145°	155°	165°	175°	180°
0°	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3
2.5°	1395.1	1394.3	1392.6	1391.7	1390.9	1386.7	1390.1
5°	1421.4	1412.9	1405.3	1396.0	1390.9	1386.7	1386.7
7.5°	1461.2	1437.5	1418.0	1396.8	1382.4	1371.4	1369.7
10°	1511.2	1465.4	1420.5	1382.4	1355.3	1335.0	1332.4
12.5°	1558.6	1489.2	1418.0	1355.3	1313.0	1284.2	1282.5
15°	1602.7	1501.9	1398.5	1306.2	1242.7	1204.5	1200.3
17.5°	1637.4	1494.2	1354.5	1237.6	1151.2	1106.3	1103.7
20°	1645.0	1463.7	1291.8	1152.9	1061.4	1013.9	1002.9
22.5°	1638.2	1408.7	1213.9	1059.7	954.7	907.2	901.3
25°	1617.9	1341.8	1117.3	951.3	853.9	805.6	793.7
27.5°	1581.5	1263.0	1013.1	846.2	749.7	703.1	691.2
30°	1527.3	1168.1	902.1	748.0	648.0	610.7	598.9
32.5°	1451.9	1052.9	792.9	647.2	564.2	534.5	529.4
35°	1347.7	920.8	678.5	564.2	503.2	485.4	482.8
37.5°	1214.7	788.6	582.8	504.9	460.8	449.8	448.1
40°	1041.1	653.1	515.0	462.5	430.3	421.0	419.3
42.5°	862.3	551.4	465.0	428.6	402.4	393.9	391.3
45°	705.6	482.8	427.8	400.7	376.1	366.8	365.9
47.5°	588.7	443.0	397.3	375.3	350.7	339.7	340.5
50°	503.2	406.6	371.9	353.2	325.3	315.1	316.0
52.5°	444.7	370.2	348.1	327.0	303.3	293.1	293.1
55°	399.0	340.5	325.3	302.4	283.8	274.5	273.6
57.5°	361.7	316.8	303.3	284.6	266.0	255.0	255.0
60°	338.8	299.9	288.9	271.9	249.9	238.0	237.2
62.5°	325.3	294.8	285.5	261.7	237.2	225.3	222.8
65°	315.1	306.6	294.8	255.8	227.0	214.3	211.8
67.5°	316.0	334.6	317.7	259.2	223.6	205.0	201.6
70°	321.0	356.6	333.7	266.8	238.0	200.8	193.1
72.5°	295.6	322.7	300.7	254.1	232.1	193.1	183.8
75°	246.5	235.5	216.0	206.7	208.4	175.3	172.0
77.5°	199.9	175.3	156.7	164.3	175.3	149.9	146.5
80°	173.7	142.3	133.0	145.7	159.3	127.9	119.4
82.5°	162.6	120.3	114.4	151.6	166.9	110.1	96.6
85°	143.2	98.3	89.8	178.7	166.9	83.0	77.1
87.5°	95.7	58.4	55.9	131.3	114.4	57.6	46.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)