

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: P158118

Luminaire Tested: **VTS-E05-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158118
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-E05-LED-E1-SL2-8030
Description: VENTUS LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

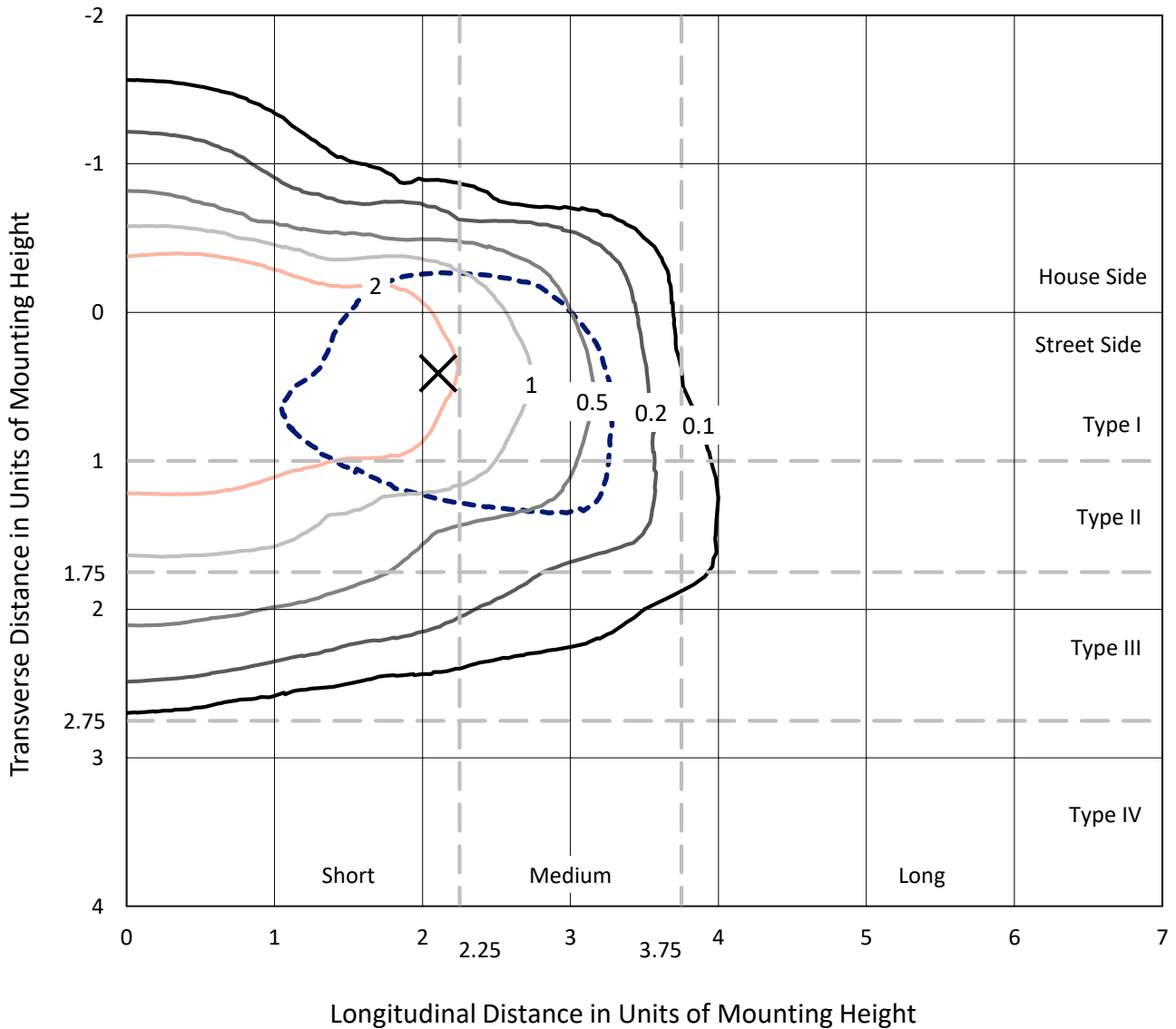
Lumens per Lamp: N/A
Luminaire Lumens: 12696.8 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 127.3
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

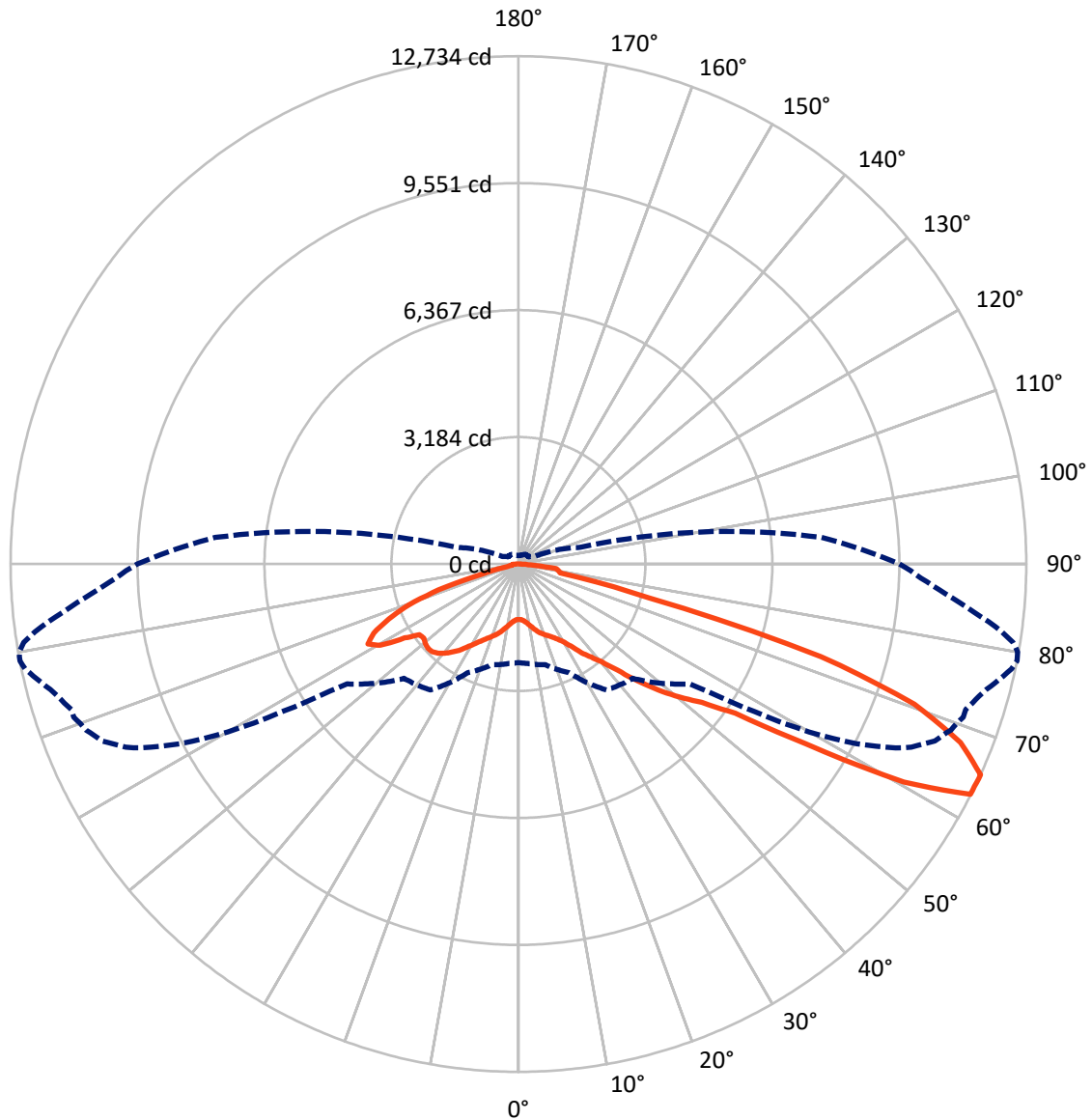
✕ Max cd
 - - - 1/2 Max cd



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	2917.5	0.0	2917.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	9779.3	0.0	9779.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	12696.8	0.0	12696.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	1.1
10°-20°	446.4	3.5
20°-30°	769.5	6.1
30°-40°	1260.5	9.9
40°-50°	2110.9	16.6
50°-60°	2855.3	22.5
60°-70°	3516.3	27.7
70°-80°	1361.1	10.7
80°-90°	239.4	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°	12696.8	100.0
0°-180°	12696.8	100.0



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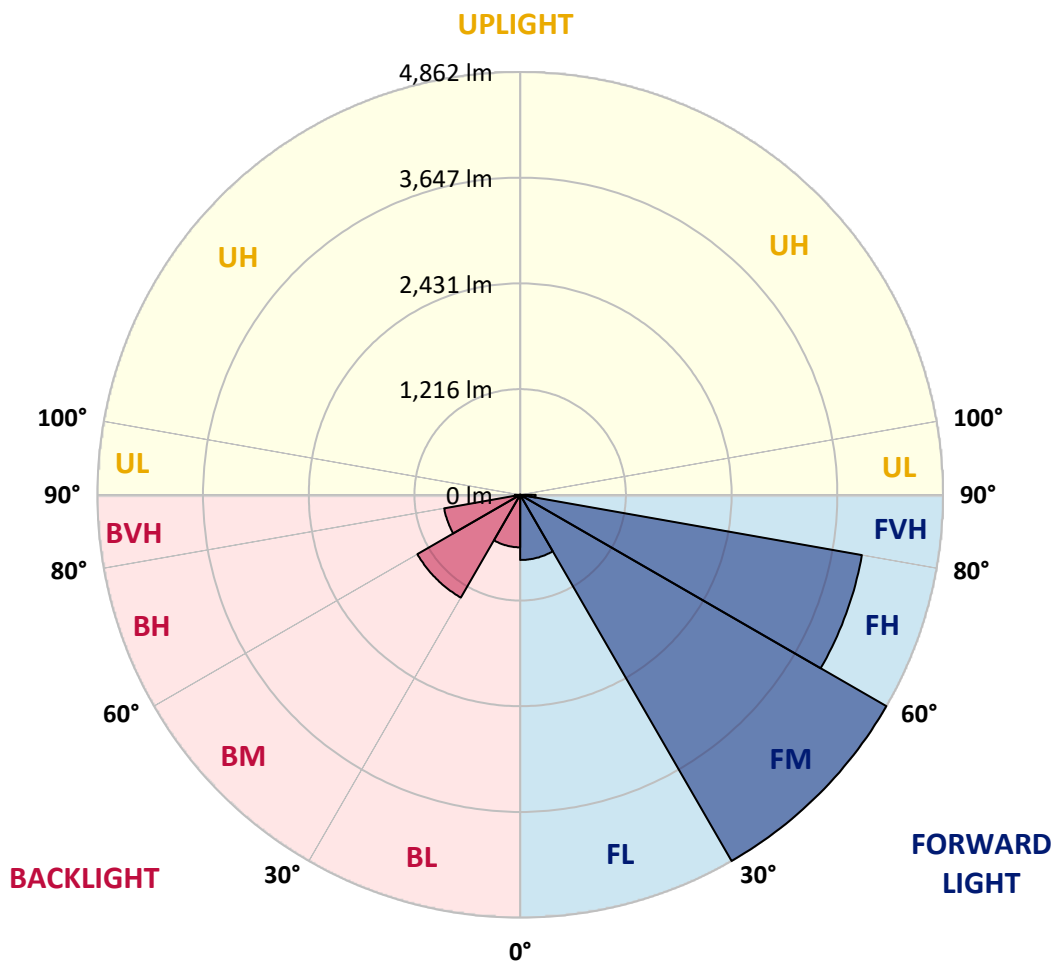
CATALOG NUMBER: VTS-E05-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	749.6	5.9			
FM	(30°-60°)	4862.3	38.3			
FH	(60°-80°)	3989.8	31.4			G2/5000
FVH	(80°-90°)	177.6	1.4			G2/225
BL	(0°-30°)	603.8	4.8	B2/1000		
BM	(30°-60°)	1364.4	10.7	B2/2500		
BH	(60°-80°)	887.6	7.0	B2/1000		G2/1000
BVH	(80°-90°)	61.7	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°	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2
2.5°	1391.7	1387.5	1391.7	1395.1	1397.6	1401.0	1400.2	1399.3	1398.5	1399.3	1399.3
5°	1403.6	1402.7	1406.9	1410.3	1416.2	1420.4	1425.5	1425.5	1425.5	1424.7	1426.3
7.5°	1441.5	1440.7	1444.9	1448.3	1453.4	1461.8	1468.5	1471.9	1471.1	1471.1	1471.1
10°	1504.0	1500.6	1500.6	1500.6	1507.4	1513.3	1528.5	1530.2	1533.5	1531.8	1532.7
12.5°	1564.8	1565.6	1563.1	1560.5	1561.4	1573.2	1595.1	1599.4	1600.2	1602.7	1604.4
15°	1619.6	1618.8	1612.9	1607.0	1614.6	1634.8	1663.5	1671.1	1671.1	1676.2	1679.5
17.5°	1670.3	1668.6	1657.6	1647.5	1655.1	1689.7	1734.4	1739.5	1747.1	1749.6	1753.0
20°	1730.2	1726.8	1714.1	1687.1	1687.1	1734.4	1793.5	1798.5	1805.3	1807.0	1812.9
22.5°	1813.7	1805.3	1778.3	1729.3	1715.8	1770.7	1843.3	1845.8	1850.9	1857.6	1862.7
25°	1908.3	1910.0	1866.1	1780.8	1751.3	1808.7	1891.4	1895.6	1904.9	1910.0	1915.9
27.5°	2006.2	2008.7	1959.7	1853.4	1803.6	1861.0	1956.4	1961.4	1972.4	1978.3	1987.6
30°	2117.6	2120.9	2073.7	1966.5	1890.5	1937.8	2052.6	2066.1	2075.4	2083.0	2098.2
32.5°	2385.1	2364.9	2331.9	2218.0	2098.2	2094.8	2207.9	2223.1	2235.7	2251.8	2266.1
35°	2721.9	2734.5	2751.4	2674.6	2569.1	2492.3	2501.6	2493.1	2505.0	2528.6	2542.9
37.5°	2988.6	3016.4	3089.9	3139.6	3135.4	3120.2	2978.4	2978.4	2986.0	2973.4	2971.7
40°	3197.9	3215.6	3365.8	3559.1	3722.0	3802.2	3689.9	3673.9	3682.3	3617.3	3619.9
42.5°	3305.9	3332.1	3548.1	3887.4	4210.7	4468.1	4433.5	4422.5	4397.2	4381.2	4371.0
45°	3360.8	3392.0	3649.4	4115.3	4586.2	4983.8	5162.7	5161.0	5138.2	5119.6	5111.2
47.5°	3332.9	3359.9	3634.2	4184.5	4783.7	5316.3	5712.1	5736.6	5729.9	5756.9	5767.8
50°	3150.6	3185.2	3460.4	4035.1	4701.0	5447.1	6092.8	6138.3	6200.0	6238.8	6290.3
52.5°	2986.0	3014.7	3262.9	3792.9	4429.3	5340.8	6322.3	6416.0	6500.4	6579.8	6641.4
55°	2813.9	2842.6	3060.3	3541.4	4155.0	5026.8	6427.0	6563.7	6695.4	6829.6	6952.8
57.5°	2748.9	2779.3	2941.3	3346.4	3930.5	4715.4	6478.5	6703.0	6917.3	7145.2	7381.5
60°	2917.7	2944.7	3067.9	3351.5	3759.1	4403.9	6374.7	6727.5	7096.3	7471.9	7834.8
62.5°	2866.2	2880.5	3034.1	3473.9	3977.7	4096.7	5924.8	6390.7	6926.6	7476.9	8033.1
65°	2472.9	2500.7	2616.4	3002.9	3855.4	4055.4	5239.5	5707.9	6340.1	6990.8	7736.0
67.5°	1774.1	1735.2	1824.7	2163.1	2991.1	4048.6	4468.1	4815.0	5310.4	5809.2	6420.2
70°	806.0	787.4	857.5	1125.0	1804.5	3199.6	3777.7	3895.0	4079.0	4414.9	4827.6
72.5°	318.2	317.3	362.9	465.0	853.3	2059.3	3176.8	3244.3	3309.3	3455.3	3633.4
75°	208.5	208.5	222.0	250.7	420.3	994.2	2687.3	2748.9	2848.5	2889.8	2965.8
77.5°	157.0	157.8	163.7	170.5	232.1	523.3	1896.4	2115.0	2283.8	2409.6	2501.6
80°	111.4	116.5	127.4	131.7	151.1	297.9	1071.9	1229.7	1420.4	1623.8	1879.6
82.5°	83.6	89.5	108.0	113.1	119.8	169.6	483.6	548.6	640.6	830.5	1194.2
85°	38.8	43.0	74.3	81.0	86.9	97.9	245.6	274.3	311.4	341.0	397.5
87.5°	5.9	4.2	12.7	17.7	27.9	28.7	84.4	100.4	108.9	130.8	135.9
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°	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2
2.5°	1399.3	1400.2	1401.0	1399.3	1400.2	1400.2	1398.5	1397.6	1397.6	1397.6	1398.5
5°	1426.3	1428.0	1426.3	1427.2	1430.6	1429.7	1428.0	1427.2	1430.6	1431.4	1428.9
7.5°	1474.5	1475.3	1471.9	1476.1	1477.8	1478.7	1478.7	1480.4	1480.4	1482.9	1480.4
10°	1536.1	1536.1	1542.0	1541.1	1542.0	1543.7	1544.5	1547.9	1550.4	1550.4	1552.1
12.5°	1607.0	1607.8	1613.7	1614.6	1617.9	1618.8	1623.8	1620.5	1628.9	1628.9	1631.4
15°	1680.4	1686.3	1687.1	1695.6	1697.3	1698.1	1704.9	1704.9	1710.8	1711.6	1713.3
17.5°	1753.0	1758.0	1761.4	1768.2	1774.1	1776.6	1779.1	1784.2	1788.4	1790.1	1794.3
20°	1815.4	1820.5	1823.9	1830.6	1835.7	1839.9	1842.4	1848.3	1852.6	1854.2	1860.2
22.5°	1867.8	1871.1	1877.0	1886.3	1888.0	1893.1	1900.7	1904.9	1906.6	1911.6	1918.4
25°	1923.5	1928.5	1931.9	1940.3	1947.1	1955.5	1962.3	1969.0	1970.7	1977.5	1983.4
27.5°	1997.7	2002.8	2003.6	2020.5	2027.3	2039.1	2046.7	2056.8	2061.9	2067.8	2079.6
30°	2107.4	2119.3	2124.3	2143.7	2147.1	2160.6	2174.1	2177.5	2185.1	2185.9	2205.3
32.5°	2275.4	2292.3	2299.0	2319.3	2324.4	2337.0	2344.6	2362.3	2363.2	2371.6	2375.8
35°	2550.5	2546.3	2572.5	2577.5	2592.7	2603.7	2611.3	2611.3	2627.3	2628.2	2633.3
37.5°	2926.1	2917.7	2924.4	2894.0	2901.6	2888.1	2885.6	2889.0	2882.2	2883.9	2883.1
40°	3527.0	3489.1	3449.4	3355.7	3335.5	3296.6	3266.2	3241.8	3218.1	3192.8	3175.9
42.5°	4280.7	4225.9	4166.8	4016.6	3946.5	3871.4	3798.0	3755.8	3671.4	3619.9	3592.0
45°	5070.7	5006.6	4923.8	4798.9	4699.3	4619.2	4485.0	4421.7	4290.8	4225.9	4138.1
47.5°	5718.0	5718.9	5652.2	5525.6	5419.3	5366.1	5282.5	5160.2	5011.6	4928.1	4771.9
50°	6284.4	6283.5	6279.3	6203.3	6129.1	6070.8	5997.4	5886.8	5765.3	5670.8	5491.8
52.5°	6703.0	6758.7	6782.3	6781.5	6772.2	6745.2	6689.5	6594.1	6470.9	6417.7	6275.1
55°	7049.0	7170.5	7233.8	7372.3	7384.9	7429.7	7380.7	7381.5	7309.0	7314.0	7268.4
57.5°	7573.1	7795.1	7922.5	8228.9	8382.5	8568.2	8535.3	8690.6	8747.1	8818.9	8914.2
60°	8168.1	8582.5	8884.7	9494.1	9742.2	10042.6	10208.1	10384.5	10512.8	10644.4	10741.5
62.5°	8593.5	9137.9	9634.2	10502.6	10825.0	11141.5	11350.0	11563.5	11707.8	11802.4	11872.4
65°	8419.7	9021.4	9608.0	10518.7	10869.8	11099.3	11347.5	11470.7	11615.0	11693.5	11793.9
67.5°	7154.5	7758.0	8386.7	9461.1	9828.3	10145.6	10338.9	10498.4	10614.9	10714.5	10830.1
70°	5320.5	5980.5	6630.4	7808.6	8272.0	8730.2	8958.1	9155.6	9277.1	9377.6	9505.0
72.5°	3829.2	4242.7	4648.7	5967.9	6431.2	7023.7	7260.0	7479.4	7637.3	7632.2	7767.2
75°	3048.5	3216.4	3397.1	4078.2	4410.7	4910.3	5042.8	5166.1	5091.8	4949.2	4940.7
77.5°	2537.9	2607.1	2667.9	2881.4	2930.3	3049.3	2983.5	2915.1	2694.9	2509.2	2411.3
80°	2060.2	2196.9	2286.4	2438.3	2500.7	2536.2	2545.5	2521.8	2440.8	2328.6	2149.6
82.5°	1531.8	1791.8	1969.0	2267.8	2377.5	2400.3	2444.2	2417.2	2364.0	2272.9	2144.6
85°	449.0	508.1	582.4	790.0	925.9	1041.5	1159.6	1217.9	1254.2	1203.5	1071.0
87.5°	157.8	178.1	199.2	274.3	292.0	352.8	346.0	408.5	411.0	428.7	410.2
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°	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2
2.5°	1397.6	1397.6	1397.6	1398.5	1398.5	1398.5	1396.8	1396.0	1396.8	1398.5	1398.5
5°	1430.6	1431.4	1433.1	1429.7	1430.6	1433.1	1431.4	1430.6	1431.4	1433.1	1431.4
7.5°	1483.7	1484.6	1482.9	1486.3	1486.3	1488.0	1490.5	1488.0	1488.8	1489.6	1490.5
10°	1552.9	1553.8	1555.5	1558.0	1558.9	1560.5	1562.2	1564.8	1564.8	1563.1	1567.3
12.5°	1635.7	1634.8	1636.5	1639.9	1641.6	1644.1	1649.2	1649.2	1652.5	1651.7	1655.9
15°	1716.7	1720.9	1721.7	1727.6	1730.2	1734.4	1740.3	1743.7	1743.7	1748.7	1750.4
17.5°	1797.7	1801.1	1804.5	1809.5	1812.9	1815.4	1822.2	1826.4	1825.6	1834.8	1834.8
20°	1860.2	1866.9	1871.1	1874.5	1880.4	1884.6	1889.7	1894.8	1898.1	1904.0	1905.7
22.5°	1920.9	1925.1	1931.1	1935.3	1942.0	1947.1	1953.0	1957.2	1963.1	1970.7	1973.3
25°	1988.4	1995.2	2001.9	2007.9	2012.9	2018.8	2029.0	2038.2	2046.7	2053.4	2056.0
27.5°	2082.1	2089.7	2099.8	2104.1	2111.7	2116.7	2131.9	2143.7	2148.0	2159.8	2163.1
30°	2208.7	2217.2	2227.3	2232.4	2245.9	2252.6	2268.6	2281.3	2285.5	2299.9	2302.4
32.5°	2391.9	2396.9	2417.2	2416.3	2434.9	2454.3	2463.6	2473.7	2492.3	2499.9	2502.4
35°	2645.9	2657.7	2672.1	2671.2	2694.9	2705.8	2724.4	2735.4	2748.9	2748.0	2762.4
37.5°	2891.5	2895.7	2900.8	2911.8	2928.6	2943.8	2950.6	2961.6	2971.7	2986.9	3005.5
40°	3159.1	3169.2	3170.0	3175.9	3184.4	3203.8	3216.4	3228.3	3262.9	3284.8	3295.8
42.5°	3560.0	3557.4	3540.5	3551.5	3556.6	3586.1	3595.4	3631.7	3670.5	3716.9	3729.6
45°	4075.6	4041.9	4031.7	4027.5	4054.5	4069.7	4107.7	4175.2	4215.7	4259.6	4280.7
47.5°	4710.3	4604.8	4555.0	4544.0	4571.9	4636.9	4649.5	4716.2	4769.4	4801.5	4822.6
50°	5345.8	5263.1	5158.5	5123.0	5115.4	5175.4	5189.7	5245.4	5299.4	5308.7	5297.7
52.5°	6144.3	6009.2	5836.2	5773.7	5723.9	5728.2	5740.0	5763.6	5798.2	5783.9	5754.3
55°	7165.5	7011.9	6926.6	6808.5	6733.4	6719.9	6668.4	6597.5	6594.9	6604.2	6515.6
57.5°	8866.1	8802.0	8838.3	8825.6	8751.3	8796.1	8564.0	8498.1	8445.8	8354.7	8272.8
60°	10827.6	10893.4	10968.5	11141.5	11133.9	11307.8	11146.6	11106.1	11057.1	10776.1	10638.5
62.5°	11994.8	12021.0	12131.5	12292.7	12451.4	12617.7	12692.8	12718.9	12616.8	12387.3	12100.3
65°	11791.4	11907.0	12014.2	12153.5	12316.4	12482.6	12641.3	12734.1	12710.5	12558.6	12242.9
67.5°	10867.2	10988.8	11145.7	11291.8	11467.3	11611.6	11785.5	11956.0	11961.0	11885.1	11665.6
70°	9518.5	9659.5	9821.5	9903.4	10093.3	10224.1	10368.4	10537.2	10592.1	10601.4	10345.6
72.5°	7738.6	7797.6	7877.0	7833.9	7871.9	7955.5	7916.6	7930.1	7721.7	7760.5	7444.8
75°	4712.8	4658.8	4419.1	4200.5	3933.8	3728.8	3777.7	3386.1	3000.4	2981.0	2702.5
77.5°	2390.2	2304.1	2155.6	2001.1	1774.9	1515.8	1299.7	1066.8	870.2	757.9	650.7
80°	2035.7	1974.9	1893.1	1780.8	1616.2	1424.7	1199.3	1022.1	857.5	686.2	549.4
82.5°	1947.9	1762.3	1643.3	1549.6	1371.5	1194.2	1071.0	949.5	833.0	727.5	576.4
85°	966.4	855.0	723.3	641.4	493.7	386.5	362.1	297.9	277.7	214.4	180.6
87.5°	324.9	265.9	198.3	167.1	133.4	108.9	107.2	95.4	94.5	86.1	79.3
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2
2.5°	1397.6	1399.3	1399.3	1397.6	1398.5	1396.8	1397.6	1398.5	1396.0	1395.1	1392.6
5°	1432.3	1431.4	1431.4	1432.3	1434.8	1435.6	1431.4	1433.1	1433.9	1429.7	1420.4
7.5°	1489.6	1489.6	1492.2	1491.3	1496.4	1494.7	1493.9	1493.9	1493.9	1485.4	1470.2
10°	1567.3	1567.3	1569.8	1573.2	1574.0	1572.4	1572.4	1573.2	1577.4	1560.5	1536.9
12.5°	1654.2	1658.4	1657.6	1657.6	1667.7	1665.2	1661.8	1665.2	1669.4	1645.8	1612.0
15°	1751.3	1753.8	1755.5	1761.4	1759.7	1765.6	1767.3	1765.6	1769.8	1739.5	1682.9
17.5°	1839.1	1844.1	1845.8	1852.6	1852.6	1853.4	1860.2	1857.6	1858.5	1823.9	1742.8
20°	1911.6	1916.7	1919.2	1926.8	1928.5	1931.9	1934.4	1936.1	1940.3	1899.0	1791.8
22.5°	1984.2	1988.4	1992.7	1997.7	2004.5	2008.7	2012.1	2013.8	2021.4	1973.3	1838.2
25°	2065.2	2074.5	2078.7	2087.2	2093.9	2100.7	2105.8	2106.6	2119.3	2059.3	1876.2
27.5°	2173.3	2185.9	2192.7	2206.2	2212.9	2219.7	2218.0	2228.1	2245.9	2158.1	1905.7
30°	2315.1	2331.1	2335.3	2348.8	2359.8	2366.6	2374.1	2382.6	2394.4	2267.8	1920.1
32.5°	2512.6	2537.0	2542.9	2550.5	2566.6	2578.4	2583.5	2597.0	2600.3	2371.6	1915.9
35°	2783.5	2772.5	2801.2	2808.0	2830.7	2840.0	2845.9	2863.7	2850.2	2484.7	1888.0
37.5°	3028.2	3024.9	3052.7	3067.9	3097.4	3090.7	3105.0	3116.9	3068.8	2564.9	1836.5
40°	3327.0	3322.8	3361.6	3366.7	3412.3	3402.1	3408.0	3417.3	3310.1	2620.6	1742.8
42.5°	3743.9	3745.6	3787.0	3792.1	3798.0	3816.5	3786.1	3787.8	3566.7	2635.8	1588.4
45°	4293.4	4322.9	4297.6	4298.4	4296.8	4261.3	4223.3	4178.6	3833.4	2583.5	1389.2
47.5°	4825.9	4805.7	4773.6	4744.1	4719.6	4663.9	4608.2	4532.2	4063.8	2459.4	1167.2
50°	5281.7	5236.1	5207.4	5125.6	5067.3	4994.7	4917.1	4830.2	4252.9	2280.5	959.6
52.5°	5705.4	5658.1	5550.9	5465.7	5382.1	5285.9	5195.6	5093.5	4420.0	2076.2	800.9
55°	6409.3	6367.9	6260.7	6104.6	6001.6	5869.1	5750.1	5611.7	4758.4	1910.8	696.3
57.5°	8047.5	8012.0	7786.7	7687.9	7552.0	7219.5	7170.5	6954.5	5665.7	1891.4	634.7
60°	10354.1	10202.2	10014.8	9744.7	9426.5	9316.8	9072.1	8784.3	7125.8	1944.6	584.9
62.5°	11770.3	11424.3	11149.1	10837.7	10544.8	10293.3	10025.8	9741.3	7872.7	1874.5	523.3
65°	11876.6	11469.8	11106.1	10740.6	10411.5	10098.4	9838.4	9554.0	7629.7	1611.2	443.1
67.5°	11290.9	10862.2	10465.5	10051.1	9718.6	9435.8	9105.0	8831.5	6944.4	1254.2	368.8
70°	10083.2	9706.7	9364.9	8918.5	8642.5	8298.1	8088.0	7746.1	6053.1	855.0	304.7
72.5°	7262.5	6979.0	6867.6	6556.1	6194.9	5992.3	5895.3	5563.6	4473.2	530.9	249.0
75°	2453.5	2523.5	2363.2	2117.6	2237.4	2052.6	2127.7	1969.9	1892.2	304.7	209.3
77.5°	544.4	511.5	472.6	438.9	436.3	410.2	434.7	411.0	439.7	194.1	184.8
80°	429.6	339.3	288.6	263.3	249.8	242.2	236.3	229.6	209.3	165.4	170.5
82.5°	464.2	350.3	256.6	205.1	175.6	164.6	162.0	155.3	153.6	160.4	172.2
85°	148.5	124.1	105.5	99.6	92.0	87.8	86.1	83.6	101.3	174.7	165.4
87.5°	77.6	68.4	60.8	58.2	50.6	47.3	46.4	47.3	70.9	174.7	119.8
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°	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2
2.5°	1390.1	1389.2	1387.5	1386.7	1385.8	1381.6	1385.0
5°	1416.2	1407.8	1400.2	1390.9	1385.8	1381.6	1381.6
7.5°	1455.9	1432.3	1412.8	1391.7	1377.4	1366.4	1364.7
10°	1505.7	1460.1	1415.4	1377.4	1350.4	1330.1	1327.6
12.5°	1552.9	1483.7	1412.8	1350.4	1308.2	1279.5	1277.8
15°	1596.8	1496.4	1393.4	1301.4	1238.1	1200.2	1195.9
17.5°	1631.4	1488.8	1349.5	1233.1	1147.0	1102.3	1099.7
20°	1639.0	1458.4	1287.1	1148.7	1057.5	1010.3	999.3
22.5°	1632.3	1403.6	1209.4	1055.8	951.2	903.9	898.0
25°	1612.0	1336.9	1113.2	947.8	850.7	802.6	790.8
27.5°	1575.7	1258.4	1009.4	843.1	746.9	700.5	688.7
30°	1521.7	1163.9	898.9	745.2	645.7	608.5	596.7
32.5°	1446.6	1049.1	790.0	644.8	562.1	532.6	527.5
35°	1342.8	917.4	676.0	562.1	501.3	483.6	481.1
37.5°	1210.3	785.8	580.7	503.0	459.1	448.2	446.5
40°	1037.3	650.7	513.1	460.8	428.7	419.5	417.8
42.5°	859.2	549.4	463.4	427.1	400.9	392.5	389.9
45°	703.0	481.1	426.2	399.2	374.7	365.4	364.6
47.5°	586.6	441.4	395.8	373.9	349.4	338.4	339.3
50°	501.3	405.1	370.5	351.9	324.1	314.0	314.8
52.5°	443.1	368.8	346.9	325.8	302.1	292.0	292.0
55°	397.5	339.3	324.1	301.3	282.7	273.5	272.6
57.5°	360.4	315.7	302.1	283.6	265.0	254.0	254.0
60°	337.6	298.8	287.8	270.9	249.0	237.2	236.3
62.5°	324.1	293.7	284.4	260.8	236.3	224.5	222.0
65°	314.0	305.5	293.7	254.9	226.2	213.5	211.0
67.5°	314.8	333.4	316.5	258.3	222.8	204.2	200.9
70°	319.9	355.3	332.5	265.9	237.2	200.0	192.4
72.5°	294.6	321.6	299.6	253.2	231.3	192.4	183.1
75°	245.6	234.6	215.2	205.9	207.6	174.7	171.3
77.5°	199.2	174.7	156.1	163.7	174.7	149.4	146.0
80°	173.0	141.8	132.5	145.2	158.7	127.4	119.0
82.5°	162.0	119.8	113.9	151.1	166.3	109.7	96.2
85°	142.6	97.9	89.5	178.1	166.3	82.7	76.8
87.5°	95.4	58.2	55.7	130.8	113.9	57.4	46.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)