

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: P158143

Luminaire Tested: **VTS-F07-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158143
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-F07-LED-E1-SL2-8030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (49) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

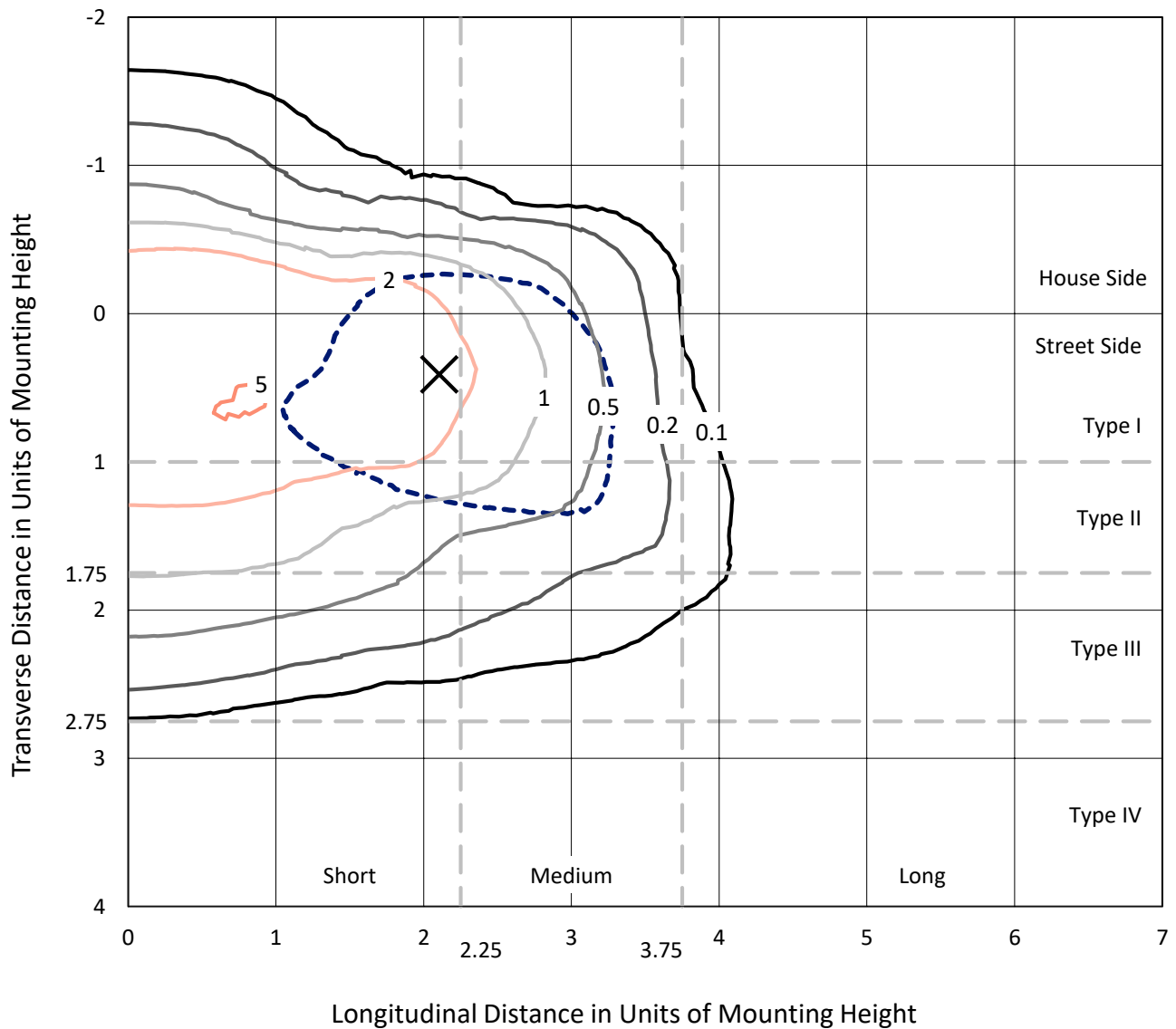
Lumens per Lamp: N/A
Luminaire Lumens: 14674.2 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 180.5
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

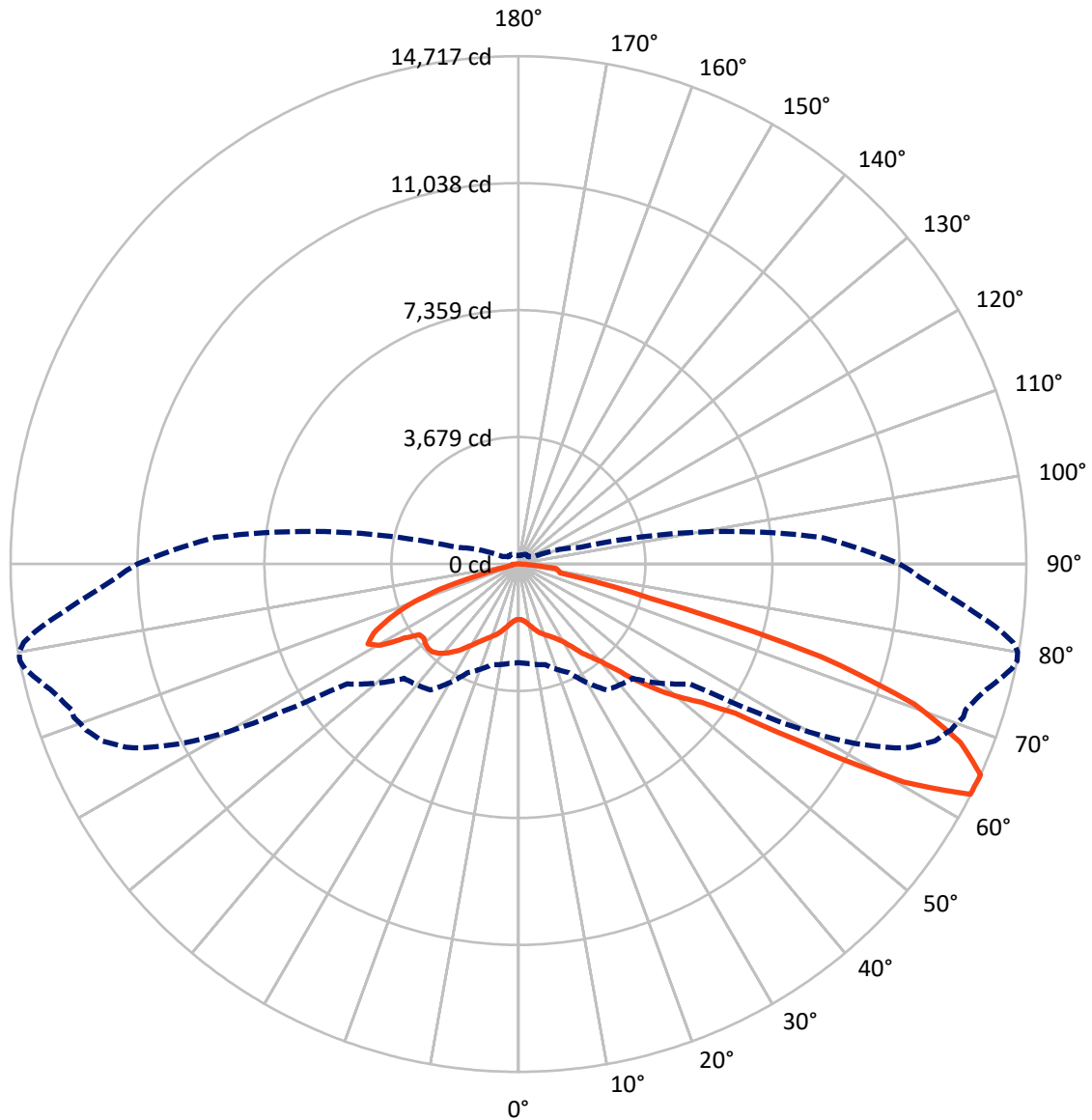
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 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	3371.9	0.0	3371.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	11302.3	0.0	11302.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	14674.2	0.0	14674.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.9	1.1
10°-20°	515.9	3.5
20°-30°	889.4	6.1
30°-40°	1456.8	9.9
40°-50°	2439.6	16.6
50°-60°	3300.0	22.5
60°-70°	4063.9	27.7
70°-80°	1573.1	10.7
80°-90°	276.6	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°	14674.2	100.0
0°-180°	14674.2	100.0



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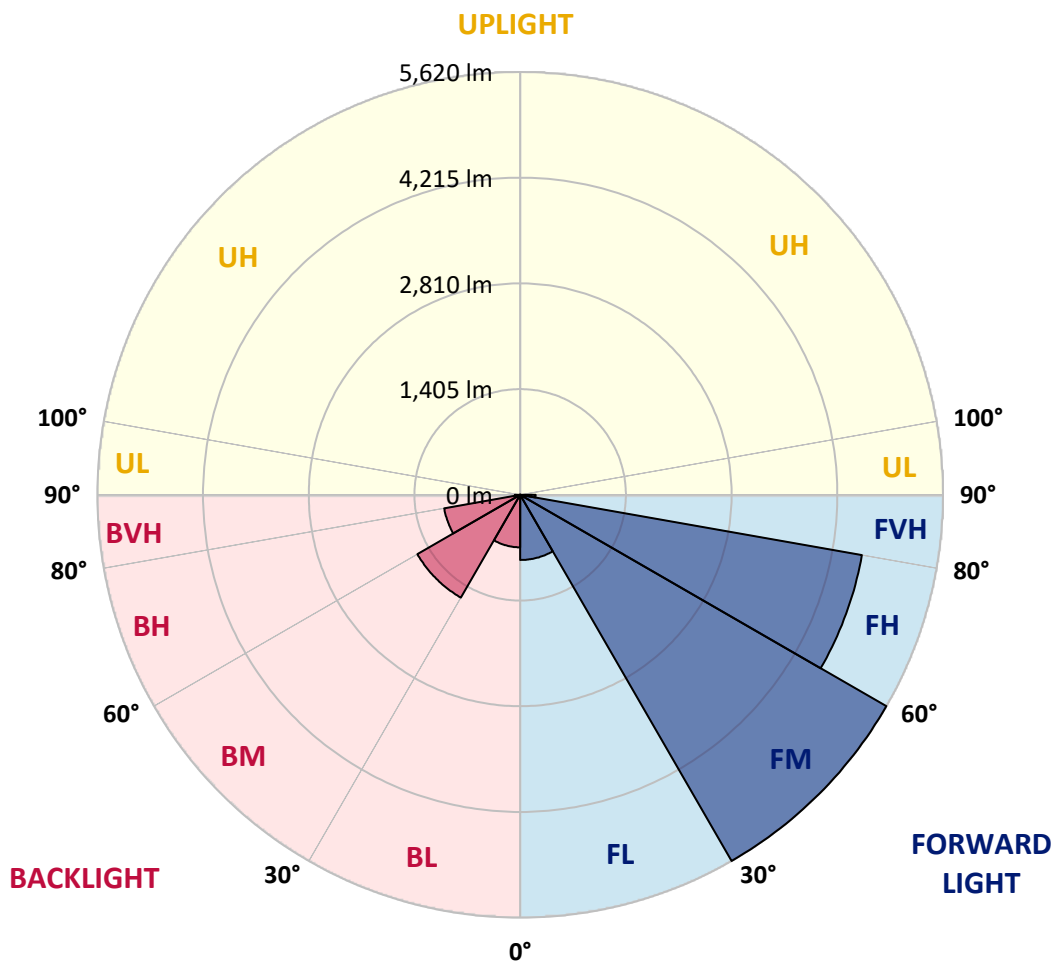
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	866.3	5.9			
FM (30°-60°)	5619.6	38.3			
FH (60°-80°)	4611.2	31.4			G2/5000
FVH (80°-90°)	205.3	1.4			G2/225
BL (0°-30°)	697.8	4.8	B2/1000		
BM (30°-60°)	1576.8	10.7	B2/2500		
BH (60°-80°)	1025.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	71.4	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6
2.5°	1608.5	1603.6	1608.5	1612.4	1615.3	1619.2	1618.2	1617.3	1616.3	1617.3	1617.3
5°	1622.1	1621.2	1626.0	1629.9	1636.8	1641.6	1647.5	1647.5	1647.5	1646.5	1648.5
7.5°	1666.0	1665.1	1669.9	1673.8	1679.7	1689.4	1697.2	1701.1	1700.2	1700.2	1700.2
10°	1738.2	1734.3	1734.3	1734.3	1742.1	1748.9	1766.5	1768.5	1772.4	1770.4	1771.4
12.5°	1808.4	1809.4	1806.5	1803.6	1804.5	1818.2	1843.6	1848.4	1849.4	1852.3	1854.3
15°	1871.8	1870.9	1864.0	1857.2	1866.0	1889.4	1922.6	1931.4	1931.4	1937.2	1941.1
17.5°	1930.4	1928.4	1915.7	1904.0	1912.8	1952.8	2004.5	2010.4	2019.1	2022.1	2026.0
20°	1999.6	1995.7	1981.1	1949.9	1949.9	2004.5	2072.8	2078.6	2086.4	2088.4	2095.2
22.5°	2096.2	2086.4	2055.2	1998.7	1983.0	2046.5	2130.3	2133.3	2139.1	2146.9	2152.8
25°	2205.4	2207.4	2156.7	2058.2	2024.0	2090.3	2185.9	2190.8	2201.5	2207.4	2214.2
27.5°	2318.6	2321.5	2264.9	2142.0	2084.5	2150.8	2261.0	2266.9	2279.6	2286.4	2297.1
30°	2447.4	2451.3	2396.6	2272.8	2185.0	2239.6	2372.2	2387.9	2398.6	2407.4	2424.9
32.5°	2756.6	2733.2	2695.1	2563.4	2424.9	2421.0	2551.7	2569.3	2583.9	2602.4	2619.0
35°	3145.8	3160.4	3179.9	3091.1	2969.2	2880.4	2891.2	2881.4	2895.1	2922.4	2939.0
37.5°	3454.0	3486.2	3571.0	3628.6	3623.7	3606.2	3442.3	3442.3	3451.1	3436.4	3434.5
40°	3695.9	3716.4	3890.0	4113.4	4301.6	4394.3	4264.6	4246.0	4255.8	4180.7	4183.6
42.5°	3820.8	3851.0	4100.7	4492.8	4866.4	5163.9	5123.9	5111.3	5082.0	5063.5	5051.8
45°	3884.2	3920.3	4217.8	4756.2	5300.5	5759.9	5966.7	5964.8	5938.4	5917.0	5907.2
47.5°	3852.0	3883.2	4200.2	4836.2	5528.7	6144.2	6601.7	6630.0	6622.2	6653.4	6666.1
50°	3641.3	3681.3	3999.3	4663.5	5433.1	6295.4	7041.6	7094.3	7165.5	7210.4	7269.9
52.5°	3451.1	3484.2	3771.0	4383.6	5119.1	6172.5	7306.9	7415.2	7512.8	7604.5	7675.7
55°	3252.1	3285.2	3536.9	4092.9	4802.0	5809.7	7427.9	7585.9	7738.1	7893.2	8035.6
57.5°	3177.0	3212.1	3399.4	3867.6	4542.6	5449.7	7487.4	7746.9	7994.6	8258.0	8531.1
60°	3372.1	3403.3	3545.7	3873.4	4344.6	5089.8	7367.4	7775.2	8201.4	8635.5	9054.9
62.5°	3312.6	3329.1	3506.7	4014.9	4597.2	4734.7	6847.5	7386.0	8005.4	8641.3	9284.1
65°	2858.0	2890.2	3023.8	3470.6	4455.8	4686.9	6055.5	6596.8	7327.4	8079.5	8940.8
67.5°	2050.4	2005.5	2108.9	2500.0	3456.9	4679.1	5163.9	5564.8	6137.4	6713.9	7420.1
70°	931.5	910.1	991.0	1300.2	2085.5	3697.9	4366.0	4501.6	4714.3	5102.5	5579.5
72.5°	367.7	366.8	419.4	537.5	986.2	2380.0	3671.5	3749.6	3824.7	3993.4	4199.2
75°	240.9	240.9	256.5	289.7	485.8	1149.1	3105.8	3177.0	3292.1	3339.9	3427.7
77.5°	181.4	182.4	189.2	197.0	268.2	604.8	2191.8	2444.4	2639.5	2784.9	2891.2
80°	128.8	134.6	147.3	152.2	174.6	344.3	1238.8	1421.2	1641.6	1876.7	2172.3
82.5°	96.6	103.4	124.9	130.7	138.5	196.1	558.9	634.0	740.4	959.8	1380.2
85°	44.9	49.7	85.8	93.6	100.5	113.1	283.9	317.0	359.9	394.1	459.4
87.5°	6.8	4.9	14.6	20.5	32.2	33.2	97.5	116.1	125.8	151.2	157.0
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°	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6
2.5°	1617.3	1618.2	1619.2	1617.3	1618.2	1618.2	1616.3	1615.3	1615.3	1615.3	1616.3
5°	1648.5	1650.4	1648.5	1649.5	1653.4	1652.4	1650.4	1649.5	1653.4	1654.3	1651.4
7.5°	1704.1	1705.1	1701.1	1706.0	1708.0	1709.0	1709.0	1710.9	1710.9	1713.8	1710.9
10°	1775.3	1775.3	1782.1	1781.1	1782.1	1784.1	1785.0	1788.9	1791.9	1791.9	1793.8
12.5°	1857.2	1858.2	1865.0	1866.0	1869.9	1870.9	1876.7	1872.8	1882.6	1882.6	1885.5
15°	1942.1	1948.9	1949.9	1959.6	1961.6	1962.6	1970.4	1970.4	1977.2	1978.2	1980.1
17.5°	2026.0	2031.8	2035.7	2043.5	2050.4	2053.3	2056.2	2062.1	2066.9	2068.9	2073.8
20°	2098.1	2104.0	2107.9	2115.7	2121.6	2126.4	2129.4	2136.2	2141.1	2143.0	2149.8
22.5°	2158.6	2162.5	2169.4	2180.1	2182.0	2187.9	2196.7	2201.5	2203.5	2209.3	2217.2
25°	2223.0	2228.9	2232.8	2242.5	2250.3	2260.1	2267.9	2275.7	2277.6	2285.4	2292.3
27.5°	2308.8	2314.7	2315.7	2335.2	2343.0	2356.6	2365.4	2377.1	2383.0	2389.8	2403.5
30°	2435.6	2449.3	2455.2	2477.6	2481.5	2497.1	2512.7	2516.6	2525.4	2526.4	2548.8
32.5°	2629.8	2649.3	2657.1	2680.5	2686.3	2701.0	2709.7	2730.2	2731.2	2741.0	2745.8
35°	2947.7	2942.9	2973.1	2979.0	2996.5	3009.2	3018.0	3018.0	3036.5	3037.5	3043.3
37.5°	3381.8	3372.1	3379.9	3344.7	3353.5	3337.9	3335.0	3338.9	3331.1	3333.0	3332.1
40°	4076.3	4032.4	3986.6	3878.3	3854.9	3810.0	3774.9	3746.6	3719.3	3690.1	3670.5
42.5°	4947.4	4884.0	4815.7	4642.1	4561.1	4474.3	4389.4	4340.7	4243.1	4183.6	4151.4
45°	5860.4	5786.2	5690.7	5546.3	5431.2	5338.5	5183.4	5110.3	4959.1	4884.0	4782.5
47.5°	6608.5	6609.5	6532.5	6386.1	6263.2	6201.8	6105.2	5963.8	5792.1	5695.5	5515.1
50°	7263.1	7262.1	7257.2	7169.4	7083.6	7016.3	6931.4	6803.6	6663.2	6553.9	6347.1
52.5°	7746.9	7811.2	7838.6	7837.6	7826.8	7795.6	7731.3	7621.0	7478.6	7417.2	7252.3
55°	8146.8	8287.3	8360.4	8520.4	8535.0	8586.7	8530.1	8531.1	8447.2	8453.1	8400.4
57.5°	8752.5	9009.1	9156.4	9510.4	9688.0	9902.6	9864.5	10044.0	10109.4	10192.3	10302.5
60°	9440.2	9919.1	10268.3	10972.6	11259.4	11606.6	11797.8	12001.7	12150.0	12302.1	12414.3
62.5°	9931.8	10561.0	11134.5	12138.2	12510.9	12876.6	13117.6	13364.4	13531.2	13640.4	13721.4
65°	9730.9	10426.4	11104.3	12156.8	12562.6	12827.9	13114.7	13257.1	13423.9	13514.6	13630.7
67.5°	8268.7	8966.2	9692.8	10934.6	11358.9	11725.6	11949.0	12133.4	12268.0	12383.1	12516.7
70°	6149.1	6911.9	7663.0	9024.7	9560.2	10089.8	10353.2	10581.5	10721.9	10838.0	10985.3
72.5°	4425.5	4903.5	5372.7	6897.3	7432.8	8117.5	8390.6	8644.3	8826.7	8820.8	8976.9
75°	3523.3	3717.4	3926.1	4713.3	5097.6	5675.1	5828.2	5970.6	5884.8	5719.9	5710.2
77.5°	2933.1	3013.1	3083.3	3330.1	3386.7	3524.2	3448.1	3369.1	3114.5	2900.0	2786.8
80°	2381.0	2539.0	2642.4	2818.0	2890.2	2931.2	2941.9	2914.6	2820.9	2691.2	2484.4
82.5°	1770.4	2070.8	2275.7	2621.0	2747.8	2774.1	2824.8	2793.6	2732.2	2626.8	2478.6
85°	518.9	587.2	673.0	913.0	1070.0	1203.7	1340.2	1407.5	1449.5	1391.0	1237.8
87.5°	182.4	205.8	230.2	317.0	337.5	407.7	399.9	472.1	475.0	495.5	474.1
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°	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6
2.5°	1615.3	1615.3	1615.3	1616.3	1616.3	1616.3	1614.3	1613.4	1614.3	1616.3	1616.3
5°	1653.4	1654.3	1656.3	1652.4	1653.4	1656.3	1654.3	1653.4	1654.3	1656.3	1654.3
7.5°	1714.8	1715.8	1713.8	1717.7	1717.7	1719.7	1722.6	1719.7	1720.7	1721.6	1722.6
10°	1794.8	1795.8	1797.7	1800.6	1801.6	1803.6	1805.5	1808.4	1808.4	1806.5	1811.4
12.5°	1890.4	1889.4	1891.4	1895.3	1897.2	1900.1	1906.0	1906.0	1909.9	1908.9	1913.8
15°	1984.0	1988.9	1989.9	1996.7	1999.6	2004.5	2011.3	2015.2	2015.2	2021.1	2023.0
17.5°	2077.7	2081.6	2085.5	2091.3	2095.2	2098.1	2106.0	2110.8	2109.9	2120.6	2120.6
20°	2149.8	2157.7	2162.5	2166.4	2173.3	2178.1	2184.0	2189.8	2193.7	2200.6	2202.5
22.5°	2220.1	2225.0	2231.8	2236.7	2244.5	2250.3	2257.1	2262.0	2268.8	2277.6	2280.6
25°	2298.1	2305.9	2313.7	2320.5	2326.4	2333.2	2344.9	2355.7	2365.4	2373.2	2376.1
27.5°	2406.4	2415.2	2426.9	2431.7	2440.5	2446.4	2463.9	2477.6	2482.5	2496.1	2500.0
30°	2552.7	2562.5	2574.2	2580.0	2595.6	2603.4	2622.0	2636.6	2641.5	2658.0	2661.0
32.5°	2764.4	2770.2	2793.6	2792.7	2814.1	2836.5	2847.3	2859.0	2880.4	2889.2	2892.1
35°	3058.0	3071.6	3088.2	3087.2	3114.5	3127.2	3148.7	3161.4	3177.0	3176.0	3192.6
37.5°	3341.8	3346.7	3352.6	3365.2	3384.7	3402.3	3410.1	3422.8	3434.5	3452.0	3473.5
40°	3651.0	3662.7	3663.7	3670.5	3680.3	3702.7	3717.4	3731.0	3771.0	3796.4	3809.1
42.5°	4114.4	4111.4	4091.9	4104.6	4110.5	4144.6	4155.3	4197.3	4242.1	4295.8	4310.4
45°	4710.4	4671.3	4659.6	4654.8	4686.0	4703.5	4747.4	4825.5	4872.3	4923.0	4947.4
47.5°	5443.9	5321.9	5264.4	5251.7	5283.9	5359.0	5373.6	5450.7	5512.2	5549.2	5573.6
50°	6178.4	6082.8	5961.8	5920.9	5912.1	5981.3	5997.9	6062.3	6124.7	6135.5	6122.8
52.5°	7101.1	6945.1	6745.1	6672.9	6615.4	6620.2	6633.9	6661.2	6701.2	6684.6	6650.5
55°	8281.4	8103.9	8005.4	7868.8	7782.0	7766.4	7706.9	7624.9	7622.0	7632.7	7530.3
57.5°	10246.9	10172.8	10214.7	10200.1	10114.2	10165.9	9897.7	9821.6	9761.1	9655.8	9561.2
60°	12513.8	12589.9	12676.7	12876.6	12867.9	13068.8	12882.5	12835.7	12779.1	12454.3	12295.3
62.5°	13862.8	13893.0	14020.8	14207.1	14390.5	14582.7	14669.5	14699.7	14581.7	14316.4	13984.7
65°	13627.7	13761.4	13885.2	14046.2	14234.4	14426.6	14610.0	14717.3	14690.0	14514.4	14149.6
67.5°	12559.6	12700.1	12881.5	13050.3	13253.2	13420.0	13620.9	13817.9	13823.8	13736.0	13482.4
70°	11000.9	11163.8	11351.1	11445.7	11665.2	11816.4	11983.2	12178.2	12241.6	12252.4	11956.8
72.5°	8943.7	9012.0	9103.7	9053.9	9097.8	9194.4	9149.5	9165.1	8924.2	8969.1	8604.3
75°	5446.8	5384.4	5107.4	4854.7	4546.5	4309.4	4366.0	3913.4	3467.7	3445.2	3123.3
77.5°	2762.4	2662.9	2491.2	2312.7	2051.3	1751.9	1502.2	1232.9	1005.7	875.9	752.1
80°	2352.7	2282.5	2187.9	2058.2	1867.9	1646.5	1386.1	1181.2	991.0	793.0	635.0
82.5°	2251.3	2036.7	1899.2	1790.9	1585.1	1380.2	1237.8	1097.4	962.7	840.8	666.2
85°	1116.9	988.1	835.9	741.3	570.6	446.7	418.5	344.3	320.9	247.8	208.7
87.5°	375.5	307.3	229.2	193.1	154.1	125.8	123.9	110.2	109.2	99.5	91.7
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6
2.5°	1615.3	1617.3	1617.3	1615.3	1616.3	1614.3	1615.3	1616.3	1613.4	1612.4	1609.5
5°	1655.3	1654.3	1654.3	1655.3	1658.2	1659.2	1654.3	1656.3	1657.3	1652.4	1641.6
7.5°	1721.6	1721.6	1724.6	1723.6	1729.4	1727.5	1726.5	1726.5	1726.5	1716.8	1699.2
10°	1811.4	1811.4	1814.3	1818.2	1819.2	1817.2	1817.2	1818.2	1823.1	1803.6	1776.3
12.5°	1911.8	1916.7	1915.7	1915.7	1927.4	1924.5	1920.6	1924.5	1929.4	1902.1	1863.1
15°	2024.0	2026.9	2028.9	2035.7	2033.8	2040.6	2042.5	2040.6	2045.5	2010.4	1945.0
17.5°	2125.5	2131.3	2133.3	2141.1	2141.1	2142.0	2149.8	2146.9	2147.9	2107.9	2014.3
20°	2209.3	2215.2	2218.1	2226.9	2228.9	2232.8	2235.7	2237.6	2242.5	2194.7	2070.8
22.5°	2293.2	2298.1	2303.0	2308.8	2316.6	2321.5	2325.4	2327.4	2336.2	2280.6	2124.5
25°	2386.9	2397.6	2402.5	2412.2	2420.0	2427.8	2433.7	2434.7	2449.3	2380.0	2168.4
27.5°	2511.7	2526.4	2534.2	2549.8	2557.6	2565.4	2563.4	2575.1	2595.6	2494.2	2202.5
30°	2675.6	2694.1	2699.0	2714.6	2727.3	2735.1	2743.9	2753.6	2767.3	2621.0	2219.1
32.5°	2903.9	2932.1	2939.0	2947.7	2966.3	2979.9	2985.8	3001.4	3005.3	2741.0	2214.2
35°	3217.0	3204.3	3237.5	3245.3	3271.6	3282.3	3289.1	3309.6	3294.0	2871.7	2182.0
37.5°	3499.8	3495.9	3528.1	3545.7	3579.8	3572.0	3588.6	3602.3	3546.7	2964.3	2122.5
40°	3845.1	3840.3	3885.1	3891.0	3943.7	3932.0	3938.8	3949.5	3825.6	3028.7	2014.3
42.5°	4327.0	4329.0	4376.8	4382.6	4389.4	4410.9	4375.8	4377.7	4122.2	3046.3	1835.8
45°	4962.0	4996.2	4966.9	4967.9	4965.9	4924.9	4881.1	4829.4	4430.4	2985.8	1605.6
47.5°	5577.5	5554.1	5517.0	5482.9	5454.6	5390.2	5325.8	5238.1	4696.7	2842.4	1349.0
50°	6104.2	6051.6	6018.4	5923.8	5856.5	5772.6	5682.9	5582.4	4915.2	2635.6	1109.1
52.5°	6593.9	6539.3	6415.4	6316.9	6220.3	6109.1	6004.7	5886.7	5108.3	2399.6	925.7
55°	7407.4	7359.6	7235.7	7055.3	6936.3	6783.1	6645.6	6485.6	5499.5	2208.4	804.7
57.5°	9300.7	9259.8	8999.3	8885.2	8728.1	8343.8	8287.3	8037.5	6548.1	2185.9	733.5
60°	11966.6	11791.0	11574.4	11262.3	10894.6	10767.8	10484.9	10152.3	8235.6	2247.4	676.0
62.5°	13603.3	13203.4	12885.4	12525.5	12187.0	11896.3	11587.1	11258.4	9098.8	2166.4	604.8
65°	13726.2	13256.1	12835.7	12413.3	12032.9	11671.0	11370.6	11041.9	8817.9	1862.1	512.1
67.5°	13049.3	12553.8	12095.3	11616.4	11232.1	10905.3	10522.9	10206.9	8025.8	1449.5	426.3
70°	11653.5	11218.4	10823.4	10307.4	9988.4	9590.4	9347.5	8952.5	6995.8	988.1	352.1
72.5°	8393.6	8065.8	7937.1	7577.1	7159.7	6925.6	6813.4	6430.0	5169.8	613.5	287.8
75°	2835.6	2916.5	2731.2	2447.4	2585.9	2372.2	2459.1	2276.7	2186.9	352.1	241.9
77.5°	629.2	591.1	546.2	507.2	504.3	474.1	502.3	475.0	508.2	224.3	213.6
80°	496.5	392.1	333.6	304.3	288.7	279.9	273.1	265.3	241.9	191.2	197.0
82.5°	536.5	404.8	296.5	237.0	202.9	190.2	187.3	179.5	177.5	185.3	199.0
85°	171.7	143.4	121.9	115.1	106.3	101.4	99.5	96.6	117.1	201.9	191.2
87.5°	89.7	79.0	70.2	67.3	58.5	54.6	53.6	54.6	81.9	201.9	138.5
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°	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6	1605.6
2.5°	1606.5	1605.6	1603.6	1602.6	1601.7	1596.8	1600.7
5°	1636.8	1627.0	1618.2	1607.5	1601.7	1596.8	1596.8
7.5°	1682.6	1655.3	1632.9	1608.5	1591.9	1579.2	1577.3
10°	1740.2	1687.5	1635.8	1591.9	1560.7	1537.3	1534.4
12.5°	1794.8	1714.8	1632.9	1560.7	1511.9	1478.8	1476.8
15°	1845.5	1729.4	1610.4	1504.1	1431.0	1387.1	1382.2
17.5°	1885.5	1720.7	1559.7	1425.1	1325.6	1273.9	1271.0
20°	1894.3	1685.5	1487.5	1327.6	1222.2	1167.6	1154.9
22.5°	1886.5	1622.1	1397.8	1220.3	1099.3	1044.7	1037.9
25°	1863.1	1545.1	1286.6	1095.4	983.2	927.6	914.0
27.5°	1821.1	1454.4	1166.6	974.5	863.3	809.6	796.0
30°	1758.7	1345.1	1038.8	861.3	746.2	703.3	689.6
32.5°	1671.9	1212.5	913.0	745.2	649.6	615.5	609.6
35°	1551.9	1060.3	781.3	649.6	579.4	558.9	556.0
37.5°	1398.8	908.1	671.1	581.4	530.6	518.0	516.0
40°	1198.8	752.1	593.1	532.6	495.5	484.8	482.8
42.5°	993.0	635.0	535.5	493.6	463.3	453.6	450.6
45°	812.5	556.0	492.6	461.4	433.1	422.4	421.4
47.5°	677.9	510.1	457.5	432.1	403.8	391.1	392.1
50°	579.4	468.2	428.2	406.8	374.6	362.9	363.8
52.5°	512.1	426.3	400.9	376.5	349.2	337.5	337.5
55°	459.4	392.1	374.6	348.2	326.8	316.0	315.1
57.5°	416.5	364.8	349.2	327.7	306.3	293.6	293.6
60°	390.2	345.3	332.6	313.1	287.8	274.1	273.1
62.5°	374.6	339.4	328.7	301.4	273.1	259.5	256.5
65°	362.9	353.1	339.4	294.6	261.4	246.8	243.9
67.5°	363.8	385.3	365.8	298.5	257.5	236.1	232.2
70°	369.7	410.7	384.3	307.3	274.1	231.2	222.4
72.5°	340.4	371.6	346.3	292.6	267.3	222.4	211.7
75°	283.9	271.2	248.7	238.0	240.0	201.9	198.0
77.5°	230.2	201.9	180.5	189.2	201.9	172.7	168.7
80°	200.0	163.9	153.1	167.8	183.4	147.3	137.5
82.5°	187.3	138.5	131.7	174.6	192.2	126.8	111.2
85°	164.8	113.1	103.4	205.8	192.2	95.6	88.8
87.5°	110.2	67.3	64.4	151.2	131.7	66.3	53.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)