

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: P647616

Luminaire Tested: **GALN-SA8D-835-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8D-835-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42161.4 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

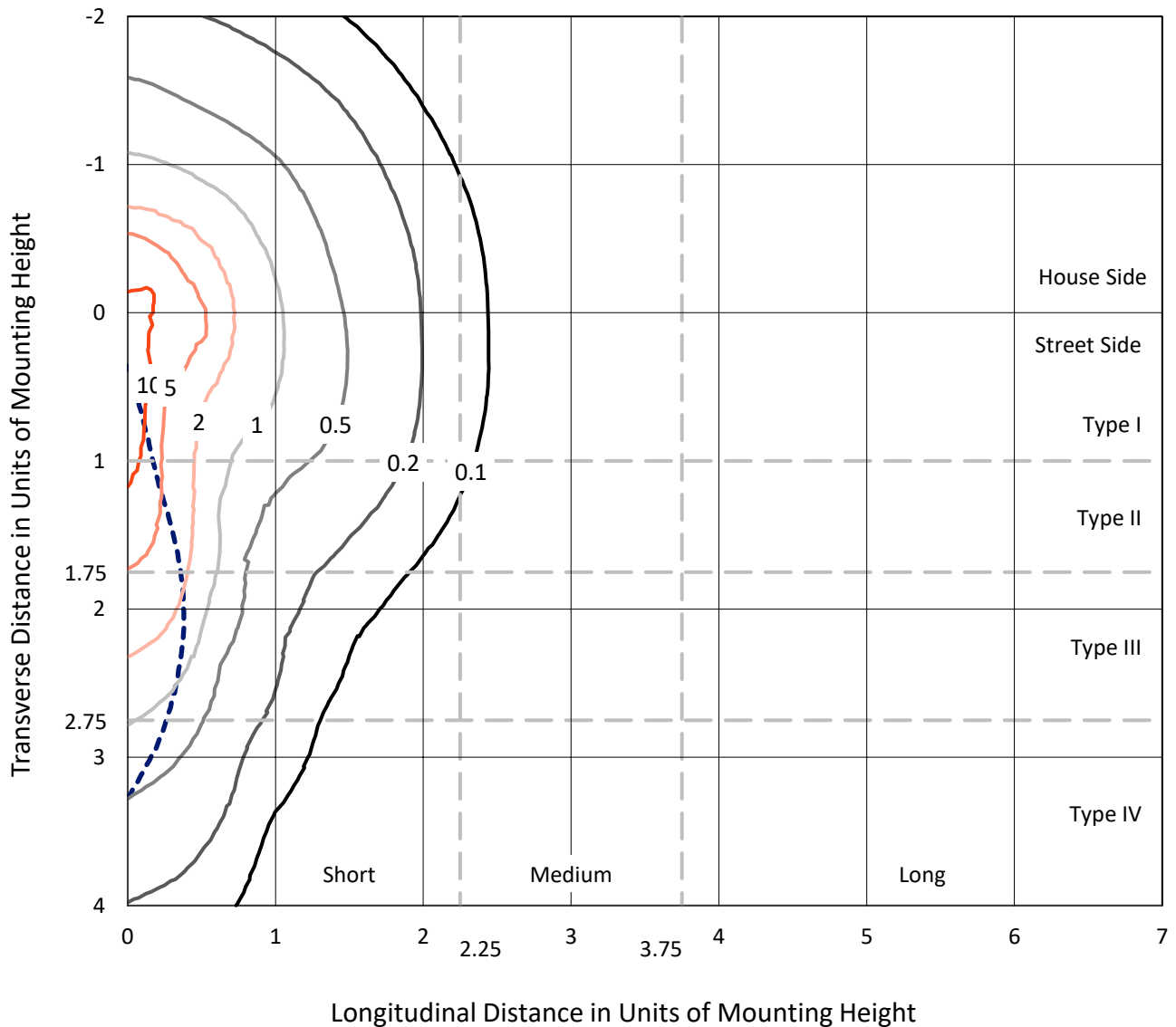
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

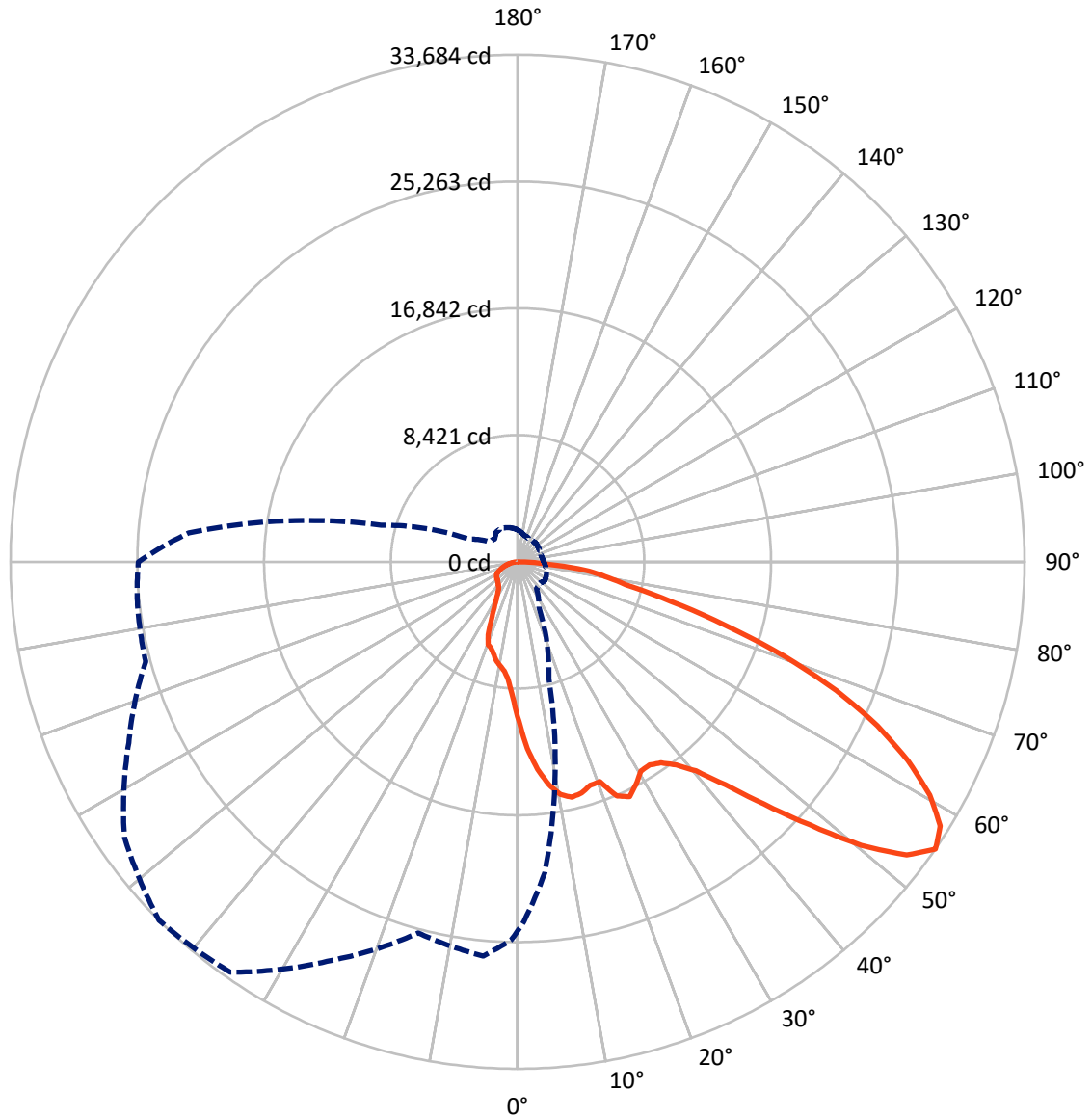
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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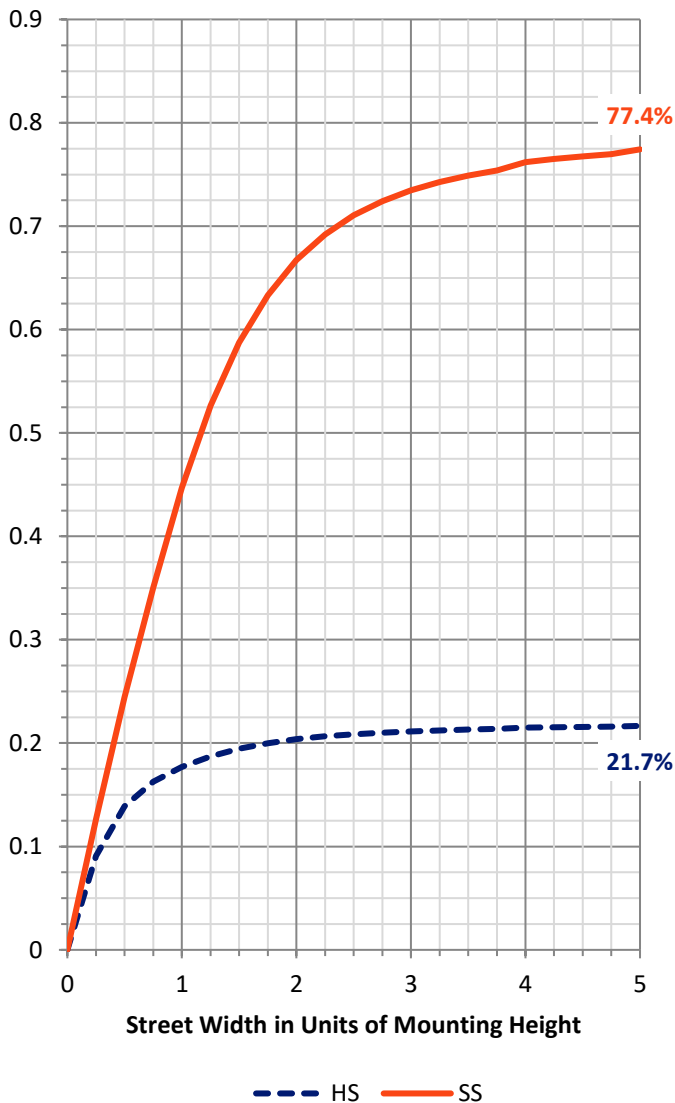
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9222.6	0.0	9222.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	32938.8	0.0	32938.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	42161.4	0.0	42161.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.8	2.1
10°-20°	2379.1	5.6
20°-30°	4110.0	9.7
30°-40°	4776.5	11.3
40°-50°	6664.2	15.8
50°-60°	9042.6	21.4
60°-70°	8603.0	20.4
70°-80°	4647.6	11.0
80°-90°	1041.6	2.5
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°	42161.4	100.0
0°-180°	42161.4	100.0

Coefficient of Utilization

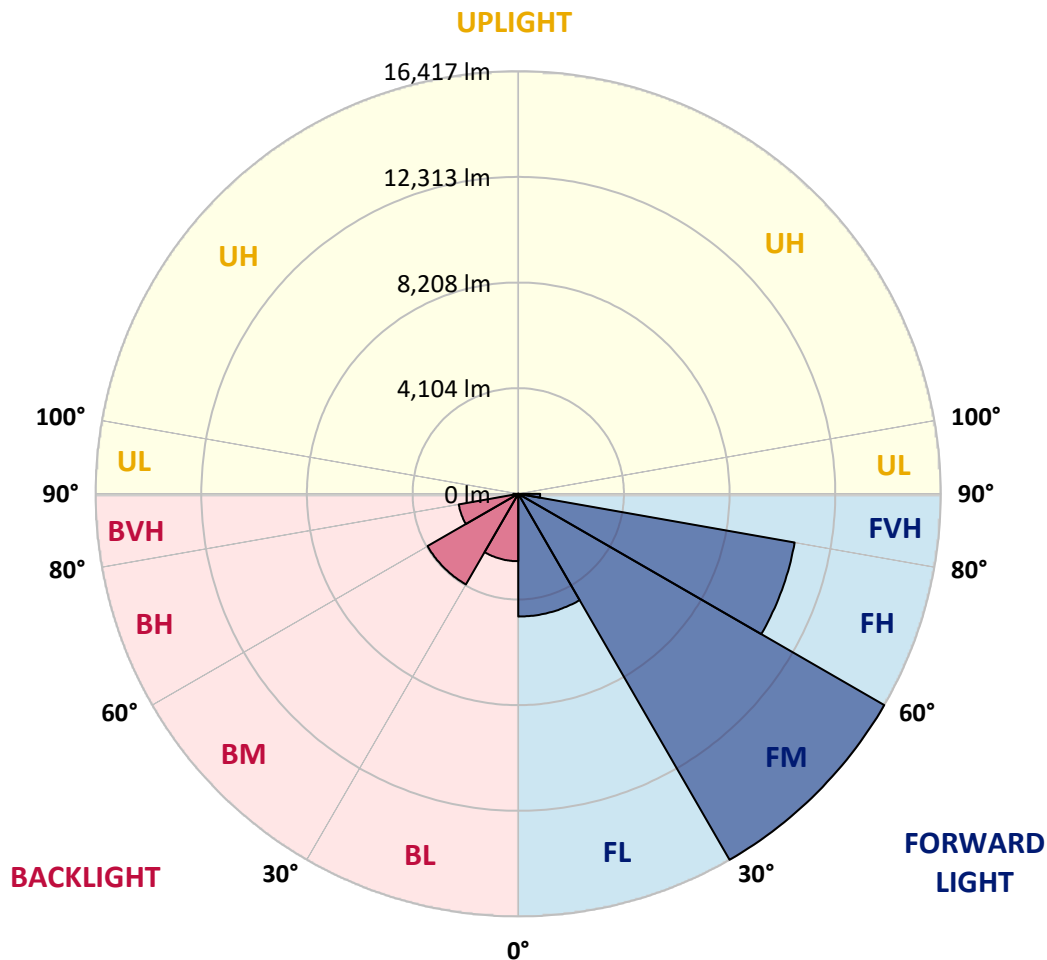


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4768.5	11.3			
FM (30°-60°)	16416.8	38.9			
FH (60°-80°)	10902.2	25.9			G4/12000
FVH (80°-90°)	851.2	2.0			G5
BL (0°-30°)	2617.4	6.2	B4/5000		
BM (30°-60°)	4066.6	9.6	B3/5000		
BH (60°-80°)	2348.3	5.6	B3/2500		G3/2500
BVH (80°-90°)	190.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8
2.5°	11754.6	11710.2	11585.0	11256.8	10925.7	10589.2	10330.5	10007.9	9671.3	9490.5	9259.7
5°	11916.0	11865.9	11571.1	10831.2	10160.8	9457.2	8895.3	8402.9	8202.7	7907.8	7671.4
7.5°	11537.7	11515.4	11073.2	10010.7	9092.7	8172.1	7535.1	7140.2	6781.3	6647.8	6675.6
10°	11192.8	11103.8	10550.3	9162.3	8091.4	7343.2	6887.0	6500.4	6247.2	6180.5	6194.4
12.5°	10906.3	10786.7	10133.0	8592.1	7654.7	7056.7	6475.3	6072.0	5841.2	5905.2	6122.1
15°	10847.9	10686.5	9957.8	8397.4	7415.5	6645.0	6008.0	5543.6	5371.1	5510.2	5857.9
17.5°	11226.2	11023.2	10258.2	8461.3	7187.4	6225.0	5443.4	4912.2	4767.5	4990.1	5443.4
20°	12441.7	12141.3	11195.6	8831.3	7165.2	6016.4	5115.2	4581.2	4642.3	5065.1	5538.0
22.5°	14689.2	14238.5	12836.7	9370.9	7282.0	5963.6	5048.5	4770.3	5106.9	5465.7	5777.2
25°	15134.2	14780.9	13131.5	9493.3	7257.0	5927.4	5237.6	5376.6	5752.2	5930.2	5821.7
27.5°	15384.5	14981.2	13112.0	8886.9	6489.3	5376.6	5006.7	5237.6	5332.2	5159.7	4864.9
30°	15968.7	15548.7	13443.0	8250.0	5343.3	3988.7	3496.3	3401.8	3465.8	3499.1	3393.4
32.5°	16772.5	16358.0	14066.1	7832.7	4620.1	3298.9	2814.9	2681.4	2650.8	2614.6	2572.9
35°	17812.8	17175.8	14678.0	7565.7	4322.5	3051.4	2606.3	2503.3	2461.7	2411.6	2367.1
37.5°	18869.8	18202.2	15451.3	7284.8	4125.0	2878.9	2467.2	2419.9	2347.6	2294.7	2230.8
40°	19993.5	19245.3	16155.0	7040.0	3933.1	2767.6	2367.1	2361.5	2266.9	2205.7	2130.6
42.5°	20967.0	20196.5	16783.6	6889.8	3785.6	2650.8	2305.9	2322.5	2225.2	2133.4	2036.0
45°	21740.3	20983.7	17365.0	6889.8	3666.0	2533.9	2294.7	2283.6	2186.3	2072.2	1960.9
47.5°	22419.0	21637.3	17932.4	7065.0	3590.9	2436.6	2233.6	2253.0	2152.9	2008.2	1899.8
50°	22944.7	22254.9	18697.3	7337.6	3515.8	2358.7	2155.7	2261.4	2125.1	1974.9	1849.7
52.5°	23615.0	22997.6	19618.0	7710.4	3451.9	2272.5	2086.1	2261.4	2122.3	1977.6	1841.4
55°	24544.1	23893.2	20727.8	8019.1	3349.0	2191.9	2024.9	2197.4	2113.9	1963.8	1819.1
57.5°	25194.9	24708.2	21512.2	8224.9	3201.5	2088.9	1969.3	2136.2	2077.8	1910.9	1752.4
58°	25225.5	24749.9	21626.2	8272.2	3165.4	2069.5	1955.4	2108.4	2061.1	1888.7	1730.1
60°	24875.0	24466.2	21648.5	8205.4	2959.5	1972.1	1883.1	1994.4	1972.1	1757.9	1610.5
62.5°	23601.1	23164.4	20750.0	7663.1	2686.9	1852.5	1771.9	1841.4	1791.3	1574.3	1438.1
65°	21790.3	20986.5	18903.2	6811.9	2492.2	1724.6	1621.6	1627.2	1574.3	1418.6	1299.0
67.5°	19378.8	18480.4	16004.8	5741.0	2344.9	1582.7	1443.6	1429.7	1365.7	1265.6	1168.2
70°	16410.9	15796.2	13006.3	4670.1	2180.7	1426.9	1243.3	1235.0	1196.0	1120.9	1034.7
72.5°	13301.2	12519.5	10503.0	3738.4	1980.4	1276.7	1057.0	1073.6	1023.6	970.8	892.9
75°	9815.9	9304.2	8119.2	2998.5	1710.6	1112.6	881.7	887.3	865.1	809.4	748.2
77.5°	6464.2	6311.2	5807.8	1969.3	1315.7	884.6	720.4	726.0	709.3	659.2	595.2
80°	4350.3	4247.4	3935.8	1268.4	879.0	639.7	556.3	561.9	559.1	506.2	420.0
82.5°	2681.4	2636.9	2536.8	856.7	609.2	458.9	367.1	383.8	414.4	356.0	286.5
85°	1265.6	1268.4	1532.6	467.3	358.8	294.9	200.3	214.2	214.2	214.2	161.3
87.5°	164.1	172.4	211.4	197.5	130.8	111.3	72.3	61.2	52.9	69.5	50.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8
2.5°	9179.0	9123.4	9003.7	8975.9	8959.2	9006.5	8881.3	8914.8	8859.1	9014.9	8989.9
5°	7685.3	7690.9	7788.3	7852.2	7874.5	7852.2	7768.8	7624.1	7512.9	7468.3	7479.5
7.5°	6622.8	6720.1	6887.0	7073.4	7243.1	7293.1	7245.8	6970.5	6670.1	6480.9	6419.7
10°	6269.6	6400.2	6592.2	6739.6	6889.8	7009.4	7034.5	6820.2	6464.2	6016.4	5841.2
12.5°	6289.0	6467.0	6650.6	6697.9	6684.0	6731.3	6709.0	6672.9	6439.2	5869.0	5576.9
15°	6105.4	6316.8	6444.8	6419.7	6375.2	6333.5	6275.1	6183.3	6099.9	5699.3	5376.6
17.5°	5682.6	5899.6	6005.3	6013.6	6013.6	6002.5	5860.7	5827.2	5816.1	5621.5	5423.9
20°	5760.5	5880.1	5832.8	5755.0	5777.2	5852.3	5768.8	5752.2	5816.1	5902.3	5866.2
22.5°	5805.0	5763.3	5407.2	5062.3	4984.5	5218.1	5265.4	5451.8	5710.4	6022.0	6225.0
25°	5529.6	5193.1	4556.1	4166.7	3946.9	4163.9	4447.7	4792.5	5179.2	5579.7	5816.1
27.5°	4622.9	4366.9	3910.8	3560.3	3368.4	3401.8	3643.8	3958.1	4316.9	4586.7	4759.2
30°	3482.5	3368.4	3132.0	3012.4	2895.5	2867.7	2970.6	3090.3	3248.8	3282.2	3326.7
32.5°	2564.6	2547.9	2561.7	2522.8	2500.6	2497.8	2467.2	2495.0	2511.7	2531.2	2492.2
35°	2319.8	2297.6	2258.6	2247.4	2233.6	2239.1	2225.2	2211.3	2222.4	2239.1	2250.3
37.5°	2194.6	2161.2	2105.6	2086.1	2086.1	2094.4	2072.2	2066.7	2086.1	2139.0	2166.8
40°	2097.3	2058.4	1994.4	1969.3	1986.0	2008.2	1977.6	1966.5	2013.8	2069.5	2113.9
42.5°	2005.5	1974.9	1913.7	1885.9	1899.8	1941.5	1897.0	1888.7	1949.8	2011.1	2063.9
45°	1927.6	1897.0	1841.4	1827.4	1833.0	1871.9	1841.4	1841.4	1899.8	1966.5	2013.8
47.5°	1866.4	1827.4	1791.3	1780.2	1785.7	1807.9	1802.4	1802.4	1858.1	1927.6	1974.9
50°	1805.2	1771.9	1724.6	1730.1	1744.0	1774.6	1771.9	1780.2	1835.8	1922.0	1972.1
52.5°	1777.4	1727.3	1674.4	1680.0	1721.7	1757.9	1746.8	1755.1	1819.1	1980.4	2052.8
55°	1746.8	1680.0	1618.9	1627.2	1674.4	1727.3	1713.4	1724.6	1799.6	2019.4	2119.5
57.5°	1688.4	1610.5	1543.8	1549.3	1618.9	1674.4	1652.2	1666.1	1755.1	1977.6	2083.3
58°	1663.3	1596.6	1532.6	1535.4	1602.2	1663.3	1638.3	1649.5	1741.2	1966.5	2066.7
60°	1557.6	1518.7	1463.1	1465.9	1529.8	1582.7	1568.7	1579.9	1668.9	1885.9	1960.9
62.5°	1413.0	1390.8	1376.8	1376.8	1415.8	1465.9	1479.8	1493.7	1574.3	1705.1	1771.9
65°	1257.3	1257.3	1260.0	1260.0	1285.1	1349.0	1357.4	1393.5	1468.7	1532.6	1582.7
67.5°	1151.6	1146.0	1151.6	1137.6	1148.7	1187.7	1229.5	1262.8	1340.7	1385.2	1401.9
70°	1015.2	1012.5	1015.2	995.8	1009.7	1043.0	1070.9	1126.5	1207.2	1240.6	1248.9
72.5°	881.7	881.7	887.3	873.4	873.4	909.5	929.0	990.2	1065.3	1084.8	1087.6
75°	742.7	751.0	751.0	731.6	737.1	759.4	784.4	834.4	904.0	917.9	917.9
77.5°	589.7	620.3	620.3	600.8	609.2	611.9	645.3	670.3	723.2	728.7	706.5
80°	428.4	458.9	484.0	467.3	481.2	464.5	484.0	500.7	553.5	528.5	492.4
82.5°	306.0	328.2	347.7	350.5	336.5	306.0	331.0	333.8	358.8	325.4	306.0
85°	169.7	189.2	214.2	203.0	180.8	161.3	169.7	175.2	172.4	164.1	153.0
87.5°	44.5	47.3	52.9	38.9	36.2	30.6	41.7	41.7	47.3	50.0	47.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8
2.5°	9009.3	9131.7	9395.9	9596.2	9841.0	10138.6	10489.1	10842.4	11223.4	11343.0	11509.9
5°	7454.5	7760.4	7888.3	8252.7	8614.3	9156.7	9735.3	10405.6	11140.0	11493.2	11832.5
7.5°	6369.6	6533.7	6667.2	6934.3	7368.2	8027.5	8753.4	9590.7	10630.9	11145.5	11643.4
10°	5785.5	5802.3	5966.3	6297.4	6675.6	7257.0	7944.0	8881.3	10041.3	10667.1	11251.2
12.5°	5398.9	5326.6	5504.6	5849.5	6277.9	6814.7	7446.1	8339.0	9615.7	10258.2	10964.7
15°	5059.6	4945.5	5079.0	5432.3	5855.1	6486.5	7165.2	8110.9	9448.8	10197.0	10981.4
17.5°	5067.9	4753.6	4800.9	5098.5	5518.5	6161.0	6984.4	8102.6	9701.9	10564.2	11493.2
20°	5693.7	5190.3	4976.1	5031.8	5437.9	6138.8	7067.8	8491.9	10533.6	11790.8	12783.8
22.5°	6308.5	6005.3	5660.4	5546.3	5768.8	6503.2	7599.1	9412.6	12341.6	14235.8	16029.8
25°	6094.3	6352.9	6266.7	6105.4	6155.5	6764.7	7960.7	10169.2	13746.2	15879.6	17565.3
27.5°	4876.0	5346.1	5440.6	5437.9	5457.4	5958.0	7159.6	9660.2	13921.4	16193.9	17804.5
30°	3426.8	3468.5	3518.6	3616.0	3705.0	4152.8	5602.0	8480.8	13843.6	16335.8	17949.1
32.5°	2472.8	2528.4	2597.9	2731.4	2942.8	3513.1	4901.0	8105.3	14255.2	16922.7	18371.9
35°	2261.4	2325.4	2392.1	2545.1	2745.4	3273.8	4622.9	7949.6	14931.2	17874.0	19131.2
37.5°	2194.6	2266.9	2325.4	2436.6	2597.9	3101.4	4369.8	7843.9	15623.7	18880.9	20149.3
40°	2147.3	2230.8	2278.1	2367.1	2478.4	2942.8	4144.4	7760.4	16294.1	19801.6	20967.0
42.5°	2105.6	2191.9	2253.0	2317.0	2408.8	2800.9	3944.2	7677.0	16875.5	20694.5	21782.0
45°	2055.5	2164.0	2241.9	2292.0	2372.6	2681.4	3791.2	7610.2	17537.4	21487.2	22605.4
47.5°	2013.8	2133.4	2230.8	2289.2	2319.8	2597.9	3668.8	7702.0	18332.9	22316.0	23370.3
50°	2016.6	2130.6	2253.0	2344.9	2264.1	2528.4	3593.7	8066.4	19367.7	23300.7	23973.8
52.5°	2105.6	2244.7	2342.0	2364.3	2186.3	2444.9	3554.7	8703.4	20591.5	24171.4	24583.0
55°	2205.7	2350.4	2456.0	2442.2	2144.6	2339.2	3546.4	9382.1	21932.2	25186.6	25375.7
57.5°	2169.6	2380.9	2542.3	2470.0	2147.3	2236.3	3510.3	9930.0	23053.2	25946.0	26160.1
58°	2158.4	2369.8	2553.4	2464.4	2139.0	2205.7	3501.9	9977.3	23208.9	25998.8	26271.4
60°	2050.0	2272.5	2545.1	2422.7	2091.7	2122.3	3410.1	10130.3	23167.2	25726.2	26338.2
62.5°	1852.5	2036.0	2353.1	2219.6	1947.1	2011.1	3204.3	9941.1	22037.9	24413.3	25361.8
65°	1630.0	1766.3	1977.6	1952.6	1741.2	1897.0	2923.3	9192.9	19776.5	22282.7	23281.3
67.5°	1463.1	1574.3	1707.9	1671.7	1566.0	1744.0	2620.2	7927.3	17239.8	19723.7	20981.0
70°	1293.4	1379.6	1446.4	1421.4	1387.9	1593.8	2350.4	6433.6	14808.8	17292.6	18511.0
72.5°	1120.9	1201.6	1257.3	1221.1	1201.6	1435.2	2130.6	4992.8	11696.2	14266.3	15832.3
75°	937.4	1018.1	1057.0	1015.2	1004.1	1265.6	1805.2	3730.0	8775.6	10998.1	12349.9
77.5°	726.0	812.2	862.2	848.4	853.9	1040.3	1457.5	2553.4	6275.1	7496.2	8920.3
80°	509.0	603.6	637.0	623.0	662.0	792.7	1029.2	1621.6	4328.0	4864.9	5869.0
82.5°	314.3	403.3	408.9	422.8	450.6	586.9	776.0	987.4	2717.6	2809.3	3538.1
85°	158.6	191.9	205.9	228.1	253.1	358.8	442.2	611.9	1749.5	1324.0	1977.6
87.5°	52.9	55.6	66.8	83.5	102.9	147.4	189.2	250.3	433.9	239.2	611.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8	10580.8
2.5°	11846.5	12082.9	12255.4	12413.9	12260.9	12247.0	12096.8	11854.8	11754.6	11754.6
5°	12544.6	13098.1	13546.0	13832.5	13710.1	13415.2	12928.4	12308.2	11974.4	11916.0
7.5°	12736.5	13829.7	14661.4	14956.2	14750.4	14099.5	13167.7	12121.9	11643.4	11537.7
10°	12619.7	14041.1	15262.2	15729.5	15443.0	14458.3	13187.1	11904.9	11315.2	11192.8
12.5°	12497.3	14068.9	15373.4	16049.3	15863.0	14747.6	13329.0	11763.0	11081.6	10906.3
15°	12586.3	14080.0	15237.1	15935.3	16054.9	15095.3	13562.7	11865.9	11034.3	10847.9
17.5°	13148.2	14291.4	15042.4	15607.1	16027.1	15568.2	14227.4	12358.2	11457.0	11226.2
20°	14322.0	14797.6	15153.7	15590.4	16266.3	16533.3	15587.6	13710.1	12644.7	12441.7
22.5°	17721.0	17634.8	16906.0	16897.7	17876.8	18947.7	18883.7	16458.2	14856.0	14689.2
25°	18995.0	18594.4	17540.2	17284.3	17715.5	19367.7	19128.5	17020.1	15540.3	15134.2
27.5°	18497.0	17504.0	16811.5	16753.1	16611.2	18171.6	18747.4	17248.2	15779.5	15384.5
30°	18466.4	17006.1	16016.0	16132.8	16269.1	17759.9	18958.8	17963.0	16391.5	15968.7
32.5°	18541.5	17075.7	16074.4	16096.6	16502.7	17821.2	19192.4	18741.8	17195.3	16772.5
35°	18844.8	17470.7	16447.1	16394.2	17028.4	18221.7	19590.2	19965.7	18294.0	17812.8
37.5°	19334.3	18257.8	17128.5	17114.7	18035.3	18944.8	20085.3	21200.7	19387.2	18869.8
40°	20054.7	19178.5	18341.3	18266.2	19403.8	20121.5	20727.8	22516.3	20658.3	19993.5
42.5°	20925.3	20282.8	19940.7	20238.3	21331.4	21442.7	21729.2	23731.9	21740.3	20967.0
45°	21731.9	21701.3	22177.0	22967.0	23603.9	22936.3	22775.0	24546.8	22580.3	21740.3
47.5°	22691.6	23520.5	24955.7	26112.8	26780.4	24674.8	23667.9	25078.1	23192.2	22419.0
50°	23665.1	25698.4	27990.4	29603.6	29745.5	26563.4	24282.6	25578.8	23748.5	22944.7
52.5°	24688.7	27436.8	30488.1	32362.9	32087.5	28207.3	24877.9	25918.2	24321.5	23615.0
55°	25578.8	28502.1	31884.5	33684.1	33280.8	29208.6	25520.4	26285.3	25139.3	24544.1
57.5°	26076.6	28591.2	31536.8	33108.3	32671.6	29013.9	25815.2	26557.9	25662.2	25194.9
58°	26149.0	28471.5	31228.0	32774.6	32329.5	28849.9	25812.5	26546.8	25695.6	25225.5
60°	26085.0	27695.5	30079.3	31456.1	30988.8	27820.7	25706.8	26338.2	25272.8	24875.0
62.5°	25492.5	26349.3	28096.1	29097.4	28963.9	26213.0	25272.8	25550.9	23984.9	23601.1
65°	24713.8	24513.5	25556.5	26265.8	26366.0	25008.6	24841.7	23848.7	22332.7	21790.3
67.5°	23768.0	22432.9	22430.1	22833.5	23000.3	23156.1	23943.3	21999.0	19951.8	19378.8
70°	22163.0	19225.8	18341.3	18816.9	18677.8	19993.5	22338.3	19401.0	17081.2	16410.9
72.5°	19220.2	15256.6	13840.8	14452.8	14102.3	15679.3	19545.7	15965.8	14124.5	13301.2
75°	15579.3	11412.5	9952.2	10514.1	10297.2	11893.8	16263.5	11596.2	10130.3	9815.9
77.5°	12096.8	8269.4	7421.0	7343.2	7504.5	8850.8	11929.9	7829.9	6678.4	6464.2
80°	7771.5	5919.1	5969.1	5869.0	5952.4	5579.7	7243.1	4995.6	4522.8	4350.3
82.5°	5115.2	4125.0	4917.7	4539.4	4311.4	3752.3	4750.9	3271.1	2776.0	2681.4
85°	3485.2	3037.4	2764.9	2113.9	2489.5	2890.0	3563.1	1760.7	1396.3	1265.6
87.5°	1574.3	1057.0	776.0	478.4	756.5	873.4	1730.1	205.9	158.6	164.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)