

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: P651576

Luminaire Tested: **GALN-SA8D-840-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651576
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-840-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 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: 45284.5 lumens
Efficiency: N/A
Efficacy: 91.9 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

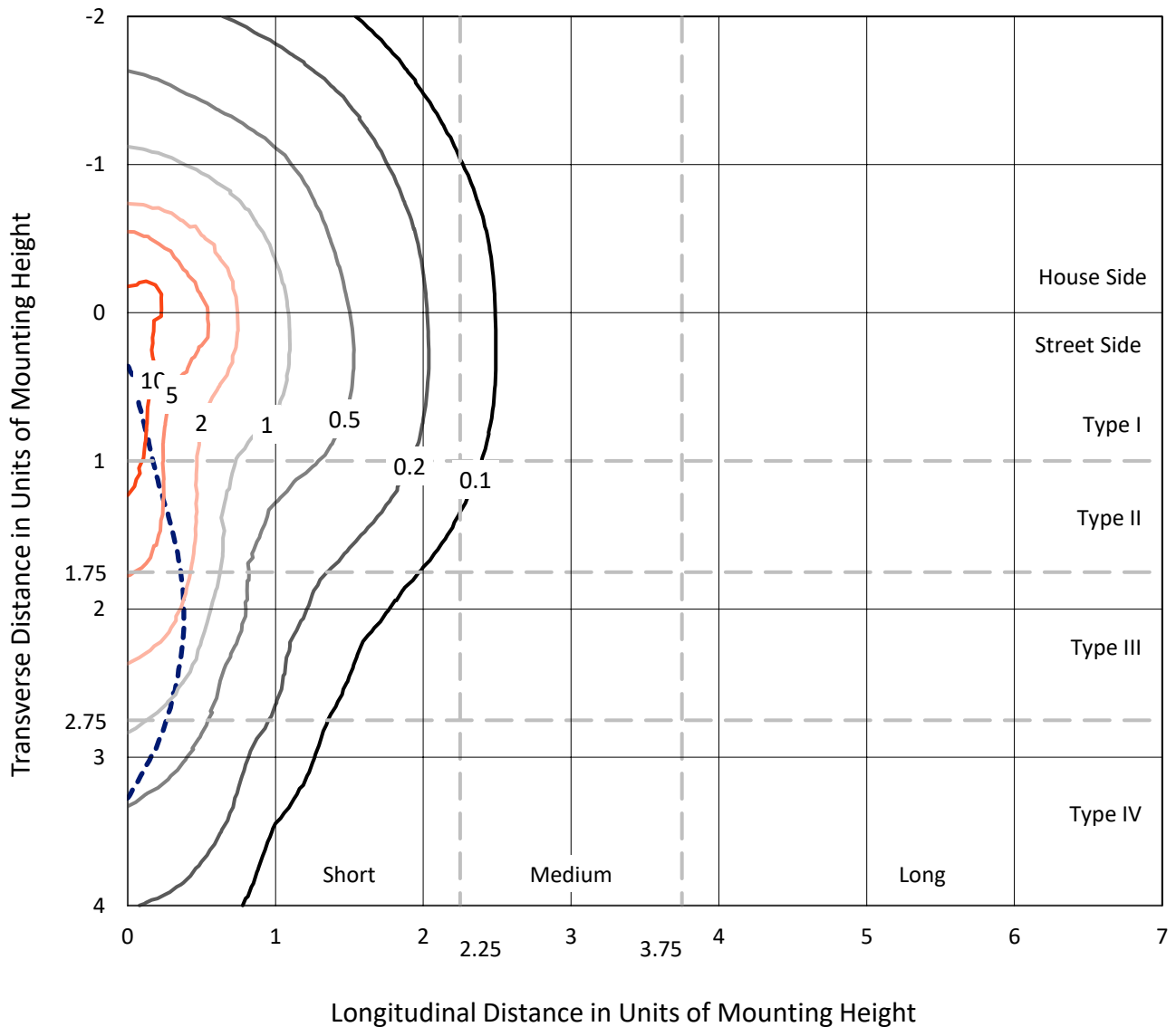
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

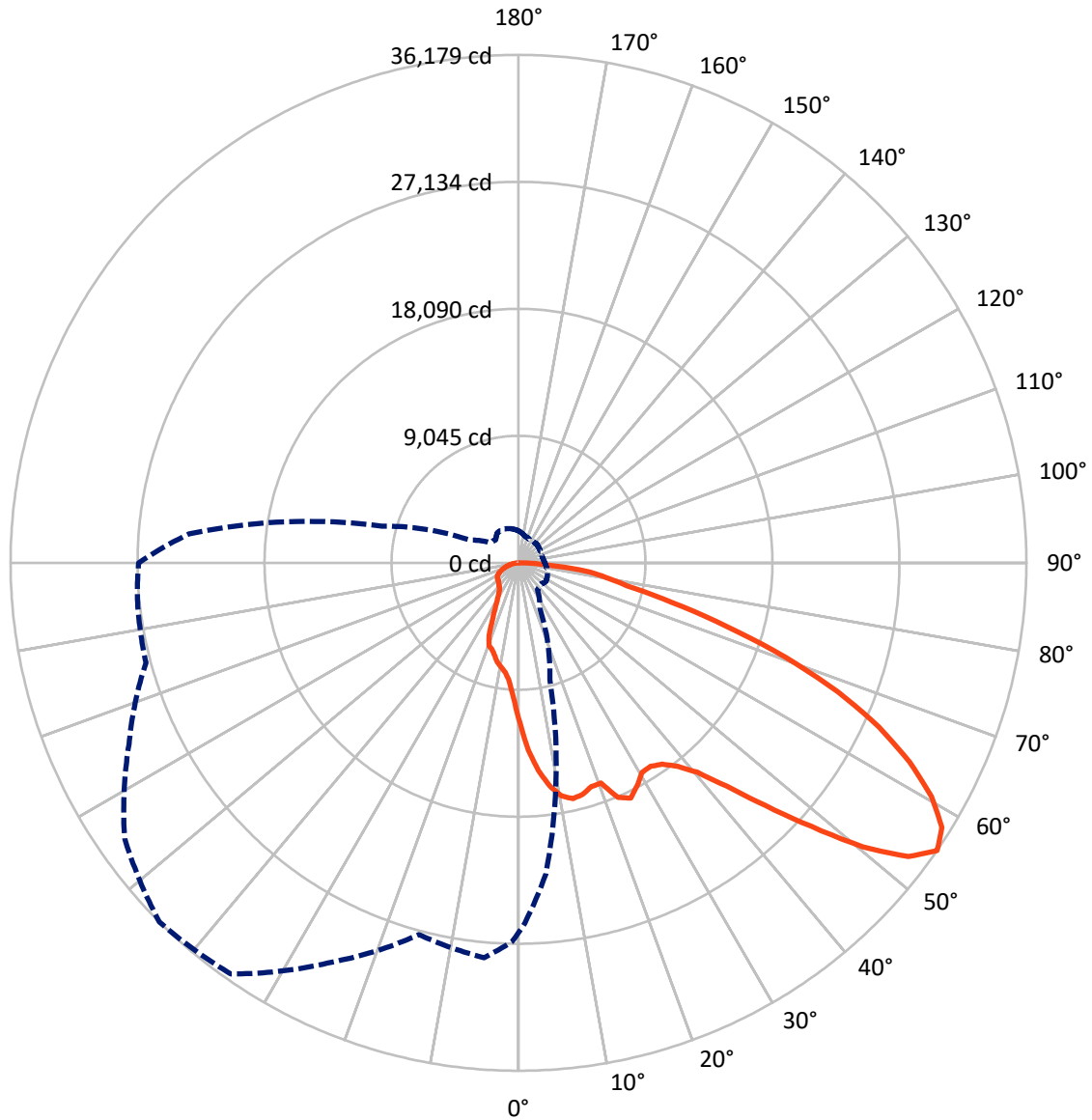
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.5 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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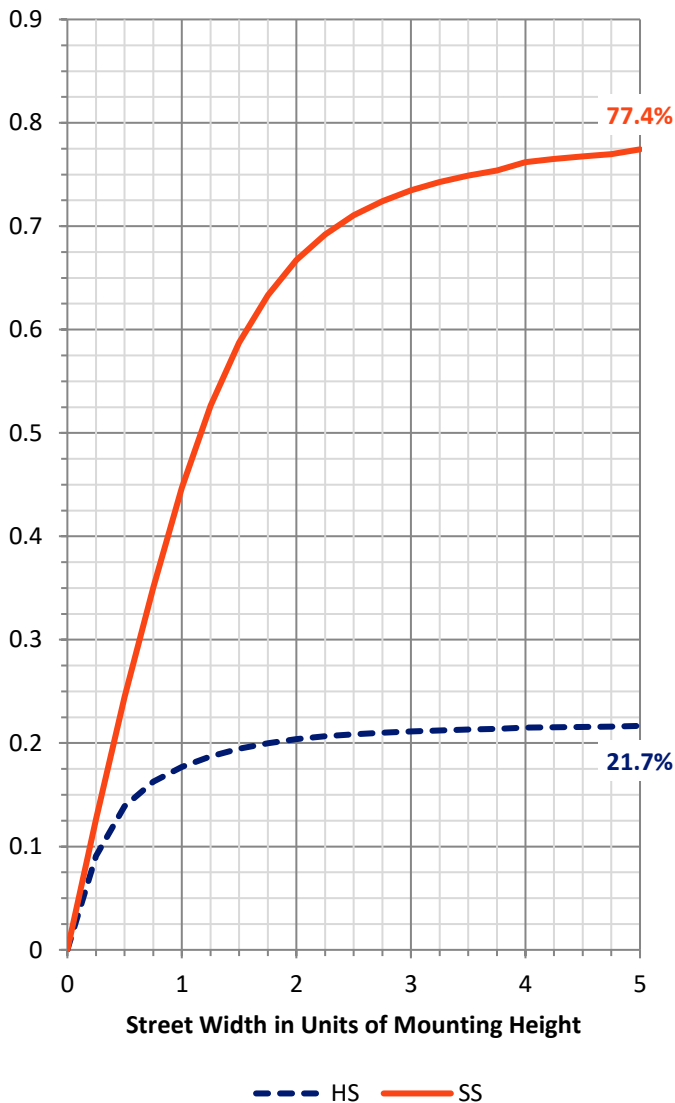
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9905.8	0.0	9905.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	35378.7	0.0	35378.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	45284.5	0.0	45284.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	963.2	2.1
10°-20°	2555.4	5.6
20°-30°	4414.5	9.7
30°-40°	5130.3	11.3
40°-50°	7157.9	15.8
50°-60°	9712.4	21.4
60°-70°	9240.2	20.4
70°-80°	4991.8	11.0
80°-90°	1118.7	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°	45284.5	100.0
0°-180°	45284.5	100.0

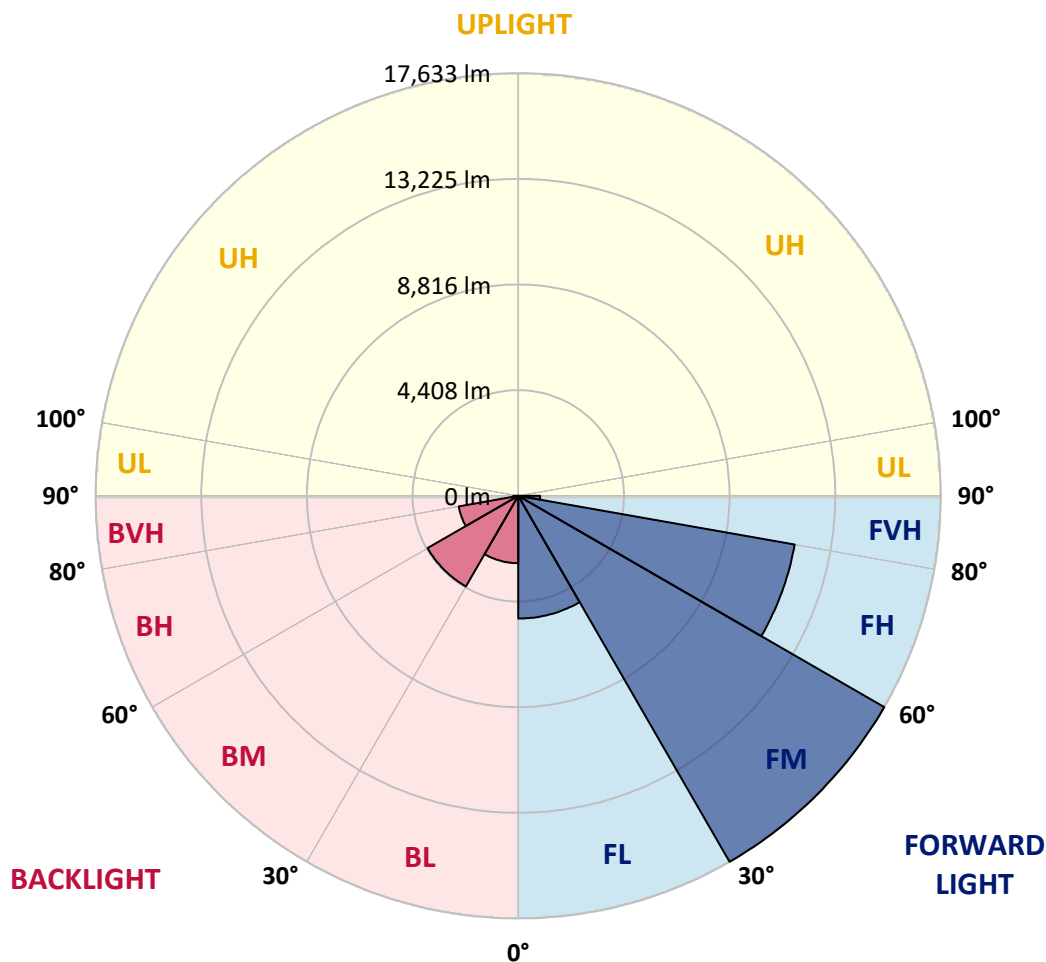


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5121.8	11.3			
FM (30°-60°)	17632.8	38.9			
FH (60°-80°)	11709.8	25.9			G4/12000
FVH (80°-90°)	914.3	2.0			G5
BL (0°-30°)	2811.3	6.2	B4/5000		
BM (30°-60°)	4367.8	9.6	B3/5000		
BH (60°-80°)	2522.2	5.6	B4/5000		G4/5000
BVH (80°-90°)	204.4	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°	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6
2.5°	12625.3	12577.6	12443.2	12090.6	11735.1	11373.6	11095.7	10749.2	10387.7	10193.5	9945.6
5°	12798.7	12744.9	12428.2	11633.6	10913.5	10157.7	9554.2	9025.4	8810.3	8493.6	8239.7
7.5°	12392.4	12368.4	11893.4	10752.2	9766.3	8777.4	8093.3	7669.1	7283.6	7140.3	7170.1
10°	12021.9	11926.3	11331.8	9841.0	8690.8	7887.2	7397.2	6981.9	6710.0	6638.3	6653.2
12.5°	11714.2	11585.7	10883.6	9228.5	8221.7	7579.4	6955.0	6521.8	6273.9	6342.6	6575.6
15°	11651.5	11478.1	10695.4	9019.4	7964.8	7137.2	6453.1	5954.2	5768.9	5918.4	6291.8
17.5°	12057.8	11839.7	11018.1	9088.1	7719.8	6686.1	5846.6	5276.0	5120.7	5359.7	5846.6
20°	13363.3	13040.6	12024.9	9485.5	7695.9	6462.1	5494.1	4920.5	4986.2	5440.3	5948.2
22.5°	15777.2	15293.2	13787.5	10065.1	7821.4	6405.3	5422.4	5123.6	5485.2	5870.5	6205.2
25°	16255.3	15875.8	14104.2	10196.5	7794.6	6366.5	5625.5	5774.9	6178.2	6369.5	6252.9
27.5°	16524.1	16090.9	14083.3	9545.2	6970.0	5774.9	5377.6	5625.5	5727.1	5541.9	5225.2
30°	17151.5	16700.4	14438.8	8861.1	5739.1	4284.1	3755.3	3653.8	3722.5	3758.3	3644.8
32.5°	18014.9	17569.8	15108.1	8412.9	4962.3	3543.2	3023.4	2880.0	2847.1	2808.3	2763.4
35°	19132.2	18448.1	15765.3	8126.2	4642.7	3277.4	2799.4	2688.8	2644.0	2590.2	2542.4
37.5°	20267.5	19550.6	16595.9	7824.4	4430.6	3092.1	2650.0	2599.2	2521.5	2464.7	2396.0
40°	21474.5	20670.9	17351.7	7561.5	4224.4	2972.6	2542.4	2536.5	2434.9	2369.1	2288.4
42.5°	22520.1	21692.6	18026.8	7400.1	4066.1	2847.1	2476.7	2494.6	2390.0	2291.5	2186.9
45°	23350.7	22538.0	18651.3	7400.1	3937.6	2721.6	2464.7	2452.8	2348.2	2225.7	2106.2
47.5°	24079.7	23240.1	19260.8	7588.3	3856.9	2617.1	2399.0	2419.9	2312.3	2157.0	2040.5
50°	24644.3	23903.4	20082.3	7881.2	3776.3	2533.4	2315.4	2428.9	2282.5	2121.2	1986.7
52.5°	25364.3	24701.1	21071.2	8281.5	3707.5	2440.8	2240.7	2428.9	2279.5	2124.1	1977.8
55°	26362.2	25663.0	22263.2	8613.1	3597.0	2354.2	2174.9	2360.2	2270.5	2109.2	1953.9
57.5°	27061.2	26538.4	23105.7	8834.2	3438.7	2243.6	2115.2	2294.4	2231.7	2052.5	1882.2
58°	27094.1	26583.3	23228.2	8885.0	3399.8	2222.8	2100.2	2264.6	2213.8	2028.6	1858.3
60°	26717.6	26278.5	23252.1	8813.3	3178.7	2118.1	2022.6	2142.1	2118.1	1888.1	1729.8
62.5°	25349.3	24880.3	22287.1	8230.7	2886.0	1989.7	1903.1	1977.8	1924.0	1690.9	1544.6
65°	23404.4	22541.1	20303.4	7316.5	2676.8	1852.3	1741.7	1747.7	1690.9	1523.6	1395.2
67.5°	20814.2	19849.3	17190.4	6166.3	2518.5	1699.9	1550.6	1535.6	1466.9	1359.3	1254.8
70°	17626.5	16966.2	13969.8	5016.1	2342.3	1532.6	1335.4	1326.5	1284.6	1204.0	1111.4
72.5°	14286.5	13446.9	11281.0	4015.3	2127.1	1371.3	1135.3	1153.2	1099.4	1042.7	959.0
75°	10543.0	9993.4	8720.7	3220.6	1837.3	1195.1	947.1	953.0	929.1	869.3	803.7
77.5°	6943.0	6778.7	6238.0	2115.2	1413.1	950.1	773.8	779.8	761.9	708.0	639.3
80°	4672.5	4562.0	4227.4	1362.3	944.1	687.1	597.5	603.5	600.5	543.7	451.1
82.5°	2880.0	2832.2	2724.7	920.1	654.3	492.9	394.3	412.3	445.1	382.4	307.7
85°	1359.3	1362.3	1646.2	501.9	385.4	316.7	215.1	230.0	230.0	230.0	173.2
87.5°	176.3	185.2	227.1	212.1	140.4	119.5	77.7	65.8	56.8	74.7	53.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6
2.5°	9858.9	9799.2	9670.7	9640.8	9622.9	9673.7	9539.2	9575.1	9515.3	9682.7	9655.8
5°	8254.6	8260.6	8365.2	8433.9	8457.8	8433.9	8344.2	8188.9	8069.4	8021.5	8033.5
7.5°	7113.3	7217.9	7397.2	7597.3	7779.6	7833.3	7782.5	7486.8	7164.1	6961.0	6895.3
10°	6734.0	6874.3	7080.5	7238.8	7400.1	7528.6	7555.5	7325.4	6943.0	6462.1	6273.9
12.5°	6754.8	6946.1	7143.2	7194.0	7179.1	7229.9	7205.9	7167.2	6916.2	6303.7	5990.0
15°	6557.7	6784.7	6922.2	6895.3	6847.4	6802.7	6739.9	6641.3	6551.7	6121.5	5774.9
17.5°	6103.6	6336.6	6450.1	6459.0	6459.0	6447.1	6294.8	6258.9	6246.9	6037.9	5825.7
20°	6187.2	6315.7	6264.9	6181.3	6205.2	6285.8	6196.2	6178.2	6246.9	6339.5	6300.8
22.5°	6235.0	6190.2	5807.8	5437.3	5353.7	5604.7	5655.4	5855.6	6133.4	6468.0	6686.1
25°	5939.2	5577.8	4893.6	4475.4	4239.3	4472.4	4777.1	5147.5	5562.8	5993.1	6246.9
27.5°	4965.3	4690.4	4200.5	3824.0	3617.9	3653.8	3913.7	4251.3	4636.7	4926.5	5111.7
30°	3740.4	3617.9	3364.0	3235.5	3110.0	3080.2	3190.7	3319.2	3489.5	3525.3	3573.1
32.5°	2754.5	2736.6	2751.5	2709.7	2685.8	2682.8	2650.0	2679.8	2697.8	2718.7	2676.8
35°	2491.6	2467.7	2425.9	2413.9	2399.0	2405.0	2390.0	2375.1	2387.0	2405.0	2416.9
37.5°	2357.2	2321.3	2261.5	2240.7	2240.7	2249.6	2225.7	2219.7	2240.7	2297.4	2327.3
40°	2252.6	2210.8	2142.1	2115.2	2133.1	2157.0	2124.1	2112.2	2163.0	2222.8	2270.5
42.5°	2154.1	2121.2	2055.4	2025.5	2040.5	2085.3	2037.5	2028.6	2094.3	2160.0	2216.8
45°	2070.4	2037.5	1977.8	1962.8	1968.8	2010.6	1977.8	1977.8	2040.5	2112.2	2163.0
47.5°	2004.6	1962.8	1924.0	1912.0	1918.0	1941.9	1935.9	1935.9	1995.7	2070.4	2121.2
50°	1938.9	1903.1	1852.3	1858.3	1873.2	1906.0	1903.1	1912.0	1971.8	2064.4	2118.1
52.5°	1909.1	1855.2	1798.5	1804.4	1849.3	1888.1	1876.2	1885.1	1953.9	2127.1	2204.8
55°	1876.2	1804.4	1738.8	1747.7	1798.5	1855.2	1840.4	1852.3	1933.0	2168.9	2276.5
57.5°	1813.4	1729.8	1658.1	1664.1	1738.8	1798.5	1774.6	1789.6	1885.1	2124.1	2237.6
58°	1786.5	1714.9	1646.2	1649.1	1720.9	1786.5	1759.7	1771.7	1870.2	2112.2	2219.7
60°	1673.0	1631.2	1571.5	1574.4	1643.1	1699.9	1684.9	1697.0	1792.5	2025.5	2106.2
62.5°	1517.7	1493.8	1478.8	1478.8	1520.7	1574.4	1589.4	1604.3	1690.9	1831.4	1903.1
65°	1350.4	1350.4	1353.3	1353.3	1380.2	1449.0	1458.0	1496.7	1577.5	1646.2	1699.9
67.5°	1236.9	1230.9	1236.9	1221.9	1233.8	1275.7	1320.5	1356.4	1440.0	1487.8	1505.7
70°	1090.4	1087.5	1090.4	1069.6	1084.5	1120.3	1150.2	1209.9	1296.6	1332.5	1341.4
72.5°	947.1	947.1	953.0	938.1	938.1	976.9	997.8	1063.5	1144.3	1165.1	1168.1
75°	797.7	806.6	806.6	785.7	791.7	815.6	842.5	896.3	970.9	985.9	985.9
77.5°	633.4	666.2	666.2	645.3	654.3	657.2	693.2	720.0	776.7	782.7	758.8
80°	460.1	492.9	519.8	501.9	516.9	498.9	519.8	537.7	594.5	567.7	528.8
82.5°	328.7	352.5	373.4	376.4	361.5	328.7	355.5	358.5	385.4	349.5	328.7
85°	182.2	203.2	230.0	218.1	194.2	173.2	182.2	188.2	185.2	176.3	164.3
87.5°	47.8	50.8	56.8	41.8	38.9	32.9	44.8	44.8	50.8	53.7	50.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6
2.5°	9676.6	9808.2	10091.9	10307.0	10569.9	10889.6	11266.0	11645.5	12054.7	12183.2	12362.4
5°	8006.7	8335.2	8472.7	8864.1	9252.4	9835.0	10456.4	11176.4	11965.2	12344.5	12709.0
7.5°	6841.5	7017.7	7161.1	7448.0	7914.0	8622.1	9401.8	10301.1	11418.4	11971.1	12505.9
10°	6214.1	6232.1	6408.3	6763.8	7170.1	7794.6	8532.4	9539.2	10785.1	11457.3	12084.7
12.5°	5798.9	5721.2	5912.4	6282.8	6742.9	7319.5	7997.7	8956.6	10328.0	11018.1	11776.9
15°	5434.4	5311.8	5455.2	5834.7	6288.8	6966.9	7695.9	8711.7	10148.7	10952.3	11794.9
17.5°	5443.3	5105.7	5156.5	5476.2	5927.3	6617.4	7501.7	8702.8	10420.6	11346.7	12344.5
20°	6115.5	5574.7	5344.7	5404.5	5840.7	6593.5	7591.4	9121.0	11313.9	12664.2	13730.8
22.5°	6775.8	6450.1	6079.7	5957.1	6196.2	6984.9	8162.0	10109.8	13255.8	15290.3	17217.2
25°	6545.8	6823.5	6730.9	6557.7	6611.4	7265.7	8550.4	10922.5	14764.4	17055.9	18866.4
27.5°	5237.2	5742.1	5843.6	5840.7	5861.6	6399.3	7689.9	10375.8	14952.6	17393.5	19123.3
30°	3680.6	3725.5	3779.3	3883.8	3979.4	4460.4	6016.9	9109.0	14869.0	17545.9	19278.7
32.5°	2656.0	2715.7	2790.4	2933.7	3160.8	3773.3	5264.1	8705.7	15311.2	18176.3	19732.8
35°	2428.9	2497.6	2569.3	2733.6	2948.7	3516.3	4965.3	8538.4	16037.2	19198.0	20548.3
37.5°	2357.2	2434.9	2497.6	2617.1	2790.4	3331.1	4693.5	8424.9	16781.1	20279.5	21641.8
40°	2306.4	2396.0	2446.8	2542.4	2661.9	3160.8	4451.4	8335.2	17501.0	21268.4	22520.1
42.5°	2261.5	2354.2	2419.9	2488.6	2587.3	3008.4	4236.4	8245.7	18125.5	22227.4	23395.5
45°	2207.8	2324.3	2408.0	2461.8	2548.4	2880.0	4072.0	8173.9	18836.5	23078.8	24279.8
47.5°	2163.0	2291.5	2396.0	2458.7	2491.6	2790.4	3940.6	8272.5	19690.9	23969.1	25101.4
50°	2166.0	2288.4	2419.9	2518.5	2431.8	2715.7	3859.9	8663.9	20802.3	25026.7	25749.7
52.5°	2261.5	2411.0	2515.5	2539.4	2348.2	2626.0	3818.1	9348.1	22116.8	25961.8	26404.0
55°	2369.1	2524.5	2638.0	2623.1	2303.4	2512.5	3809.1	10077.0	23556.8	27052.3	27255.4
57.5°	2330.3	2557.3	2730.6	2652.9	2306.4	2402.0	3770.3	10665.6	24760.8	27867.9	28097.9
58°	2318.3	2545.4	2742.6	2647.0	2297.4	2369.1	3761.3	10716.4	24928.1	27924.6	28217.4
60°	2201.8	2440.8	2733.6	2602.1	2246.6	2279.5	3662.7	10880.7	24883.3	27631.8	28289.1
62.5°	1989.7	2186.9	2527.5	2384.1	2091.3	2160.0	3441.6	10677.5	23670.4	26221.7	27240.5
65°	1750.7	1897.1	2124.1	2097.3	1870.2	2037.5	3139.9	9873.8	21241.5	23933.3	25005.8
67.5°	1571.5	1690.9	1834.4	1795.5	1682.0	1873.2	2814.2	8514.5	18516.8	21184.7	22535.1
70°	1389.2	1481.8	1553.5	1526.7	1490.8	1711.9	2524.5	6910.2	15905.7	18573.6	19882.2
72.5°	1204.0	1290.6	1350.4	1311.5	1290.6	1541.6	2288.4	5362.6	12562.6	15323.1	17005.1
75°	1006.8	1093.5	1135.3	1090.4	1078.5	1359.3	1938.9	4006.3	9425.7	11812.8	13264.8
77.5°	779.8	872.4	926.1	911.2	917.2	1117.4	1565.4	2742.6	6739.9	8051.5	9581.1
80°	546.7	648.3	684.2	669.2	711.1	851.4	1105.4	1741.7	4648.6	5225.2	6303.7
82.5°	337.6	433.2	439.2	454.1	484.0	630.4	833.5	1060.6	2918.9	3017.4	3800.1
85°	170.3	206.1	221.1	245.0	271.9	385.4	475.0	657.2	1879.1	1422.0	2124.1
87.5°	56.8	59.7	71.7	89.7	110.5	158.4	203.2	268.9	466.1	256.9	657.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6	11364.6
2.5°	12724.0	12977.9	13163.2	13333.5	13169.1	13154.2	12992.9	12732.9	12625.3	12625.3
5°	13473.8	14068.3	14549.4	14857.1	14725.7	14408.9	13886.1	13219.9	12861.4	12798.7
7.5°	13680.0	14854.1	15747.4	16064.0	15843.0	15143.9	14143.1	13019.8	12505.9	12392.4
10°	13554.5	15081.1	16392.7	16894.6	16586.9	15529.3	14164.0	12786.7	12153.4	12021.9
12.5°	13423.0	15111.0	16512.2	17238.1	17038.0	15840.0	14316.3	12634.3	11902.4	11714.2
15°	13518.7	15122.9	16365.8	17115.7	17244.1	16213.5	14567.3	12744.9	11851.6	11651.5
17.5°	14122.2	15350.0	16156.7	16763.1	17214.3	16721.4	15281.3	13273.7	12305.7	12057.8
20°	15382.9	15893.7	16276.2	16745.2	17471.2	17758.0	16742.2	14725.7	13581.4	13363.3
22.5°	19033.7	18941.1	18158.3	18149.4	19201.0	20351.2	20282.5	17677.3	15956.5	15777.2
25°	20402.0	19971.7	18839.5	18564.7	19027.7	20802.3	20545.4	18280.8	16691.4	16255.3
27.5°	19867.2	18800.6	18056.8	17994.0	17841.6	19517.7	20136.1	18525.8	16948.3	16524.1
30°	19834.3	18265.8	17202.3	17327.8	17474.2	19075.5	20363.1	19293.6	17605.7	17151.5
32.5°	19915.0	18340.5	17265.1	17288.9	17725.2	19141.2	20614.1	20130.1	18469.0	18014.9
35°	20240.7	18764.8	17665.4	17608.6	18289.8	19571.4	21041.3	21444.7	19649.1	19132.2
37.5°	20766.5	19610.3	18397.3	18382.4	19371.3	20348.2	21573.1	22771.1	20823.2	20267.5
40°	21540.2	20599.1	19699.9	19619.3	20841.2	21611.9	22263.2	24184.2	22188.5	21474.5
42.5°	22475.3	21785.2	21417.7	21737.4	22911.5	23031.0	23338.8	25489.8	23350.7	22520.1
45°	23341.7	23308.8	23819.7	24668.2	25352.4	24635.3	24462.1	26365.1	24252.9	23350.7
47.5°	24372.4	25262.7	26804.3	28047.1	28764.1	26502.5	25421.1	26935.7	24910.2	24079.7
50°	25418.0	27602.0	30063.7	31796.4	31948.8	28531.1	26081.3	27473.5	25507.7	24644.3
52.5°	26517.5	29469.1	32746.5	34760.1	34464.3	30296.8	26720.7	27838.0	26123.1	25364.3
55°	27473.5	30613.4	34246.3	36179.2	35746.0	31372.2	27410.8	28232.4	27001.5	26362.2
57.5°	28008.2	30709.0	33872.9	35560.8	35091.7	31163.1	27727.4	28525.1	27563.1	27061.2
58°	28086.0	30580.5	33541.2	35202.3	34724.3	30986.9	27724.5	28513.2	27599.0	27094.1
60°	28017.2	29747.0	32307.4	33786.2	33284.3	29881.5	27611.0	28289.1	27144.9	26717.6
62.5°	27380.9	28301.1	30177.3	31252.7	31109.3	28154.7	27144.9	27443.6	25761.6	25349.3
65°	26544.4	26329.3	27449.6	28211.4	28319.0	26861.0	26681.8	25615.3	23987.0	23404.4
67.5°	25528.6	24094.6	24091.6	24524.8	24704.0	24871.3	25716.9	23628.6	21429.7	20814.2
70°	23804.8	20649.9	19699.9	20210.7	20061.4	21474.5	23993.0	20838.1	18346.5	17626.5
72.5°	20643.9	16386.7	14866.0	15523.3	15146.9	16840.8	20993.5	17148.5	15170.8	14286.5
75°	16733.3	12257.9	10689.4	11292.9	11059.9	12774.8	17468.2	12455.1	10880.7	10543.0
77.5°	12992.9	8882.0	7970.7	7887.2	8060.4	9506.4	12813.6	8409.9	7173.1	6943.0
80°	8347.2	6357.5	6411.3	6303.7	6393.4	5993.1	7779.6	5365.7	4857.8	4672.5
82.5°	5494.1	4430.6	5282.0	4875.7	4630.7	4030.2	5102.8	3513.4	2981.6	2880.0
85°	3743.4	3262.4	2969.7	2270.5	2673.9	3104.0	3827.1	1891.2	1499.8	1359.3
87.5°	1690.9	1135.3	833.5	513.9	812.6	938.1	1858.3	221.1	170.3	176.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)