

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: P646950

Luminaire Tested: **GALN-SA5C-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5C-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20531 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

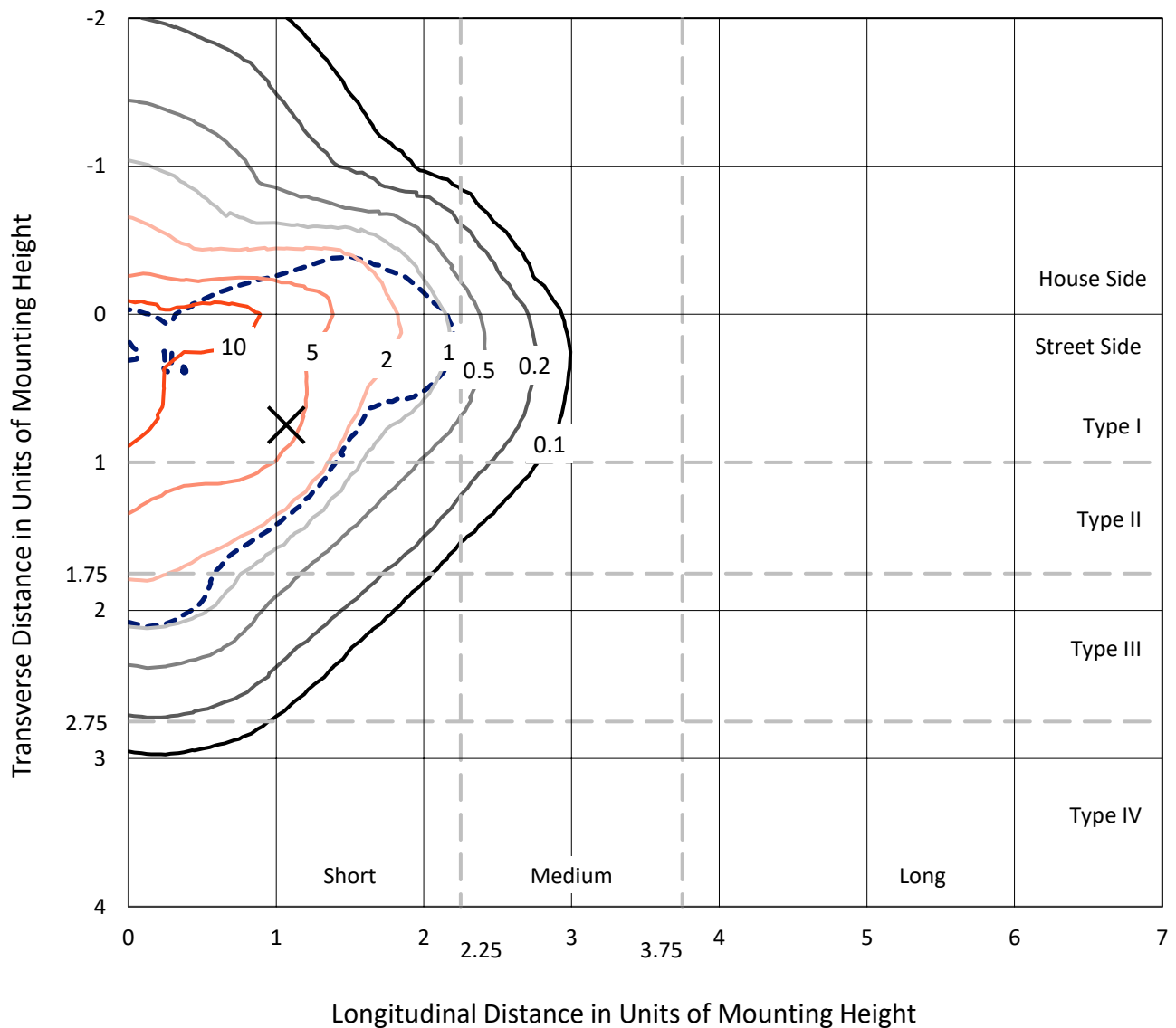
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

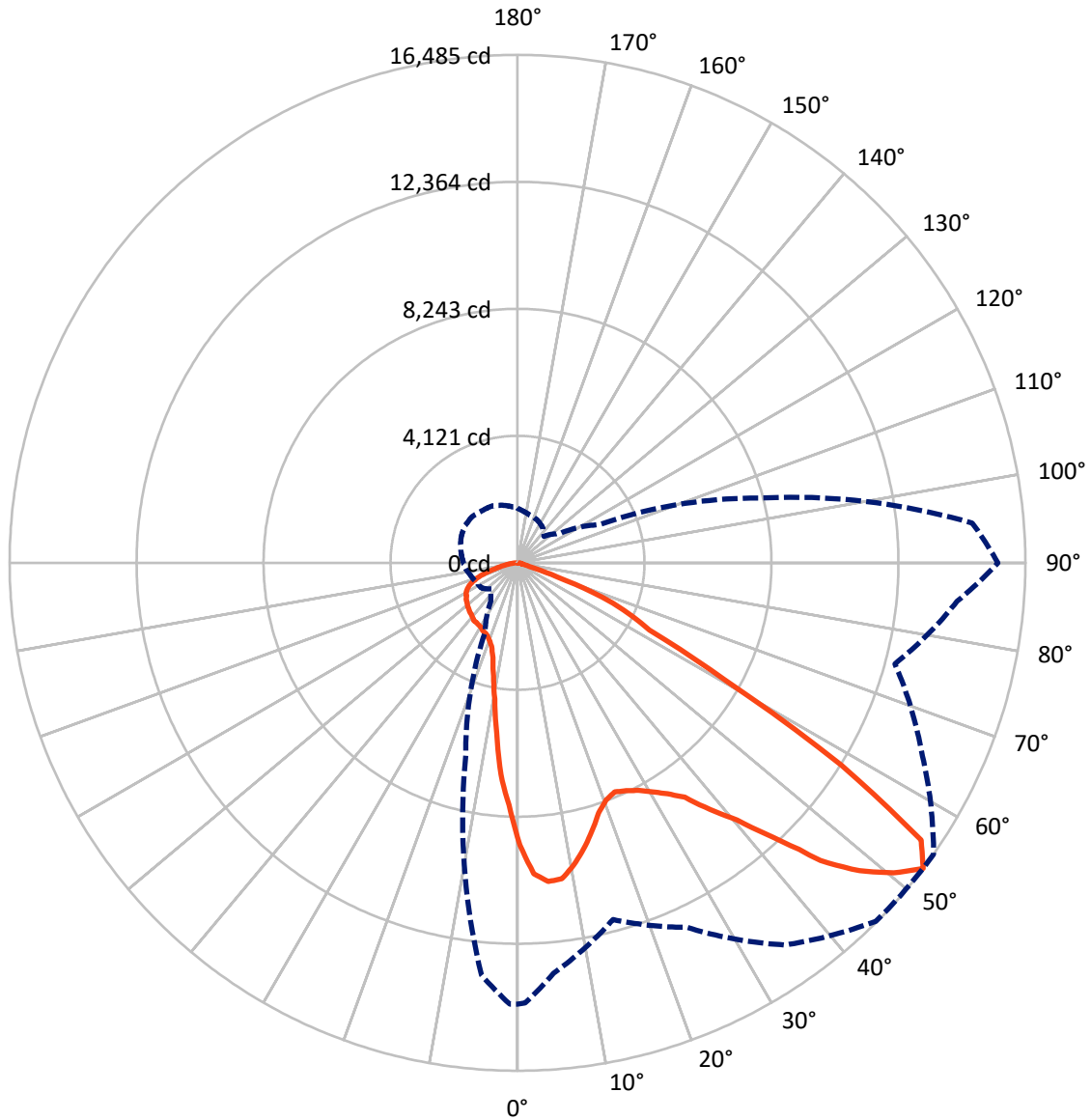
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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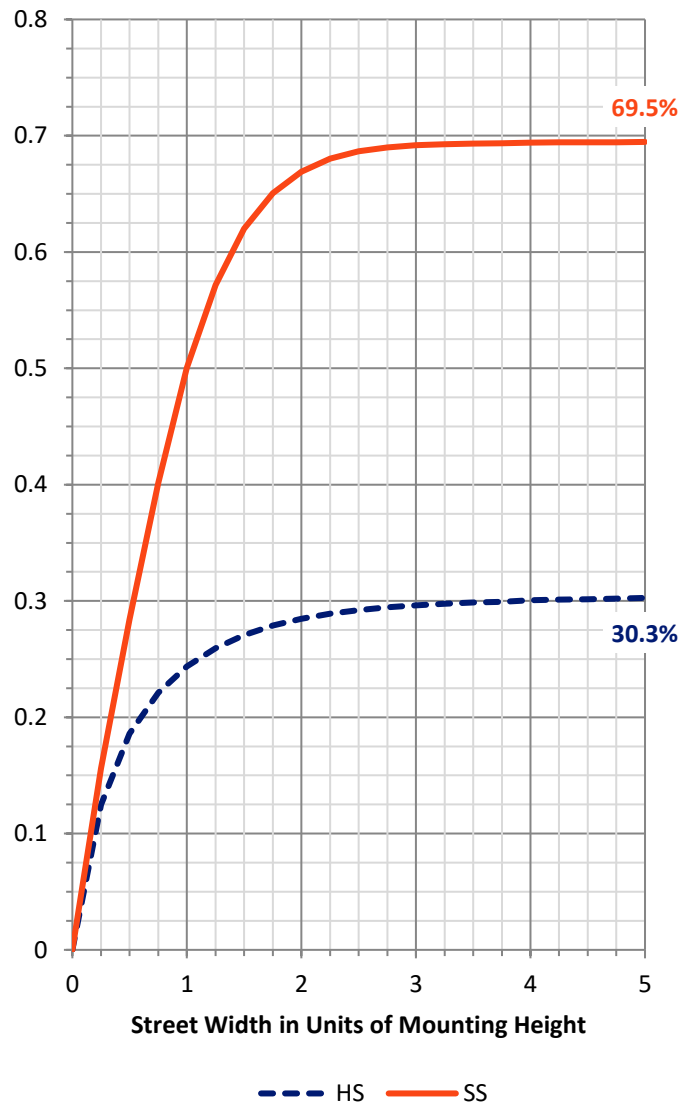
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6263.1	0.0	6263.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	14268.0	0.0	14268.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	20531.0	0.0	20531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.7	3.4
10°-20°	1508.6	7.3
20°-30°	2287.6	11.1
30°-40°	3305.2	16.1
40°-50°	4416.6	21.5
50°-60°	4929.9	24.0
60°-70°	2704.3	13.2
70°-80°	584.7	2.8
80°-90°	94.6	0.5
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°	20531.0	100.0
0°-180°	20531.0	100.0

Coefficient of Utilization

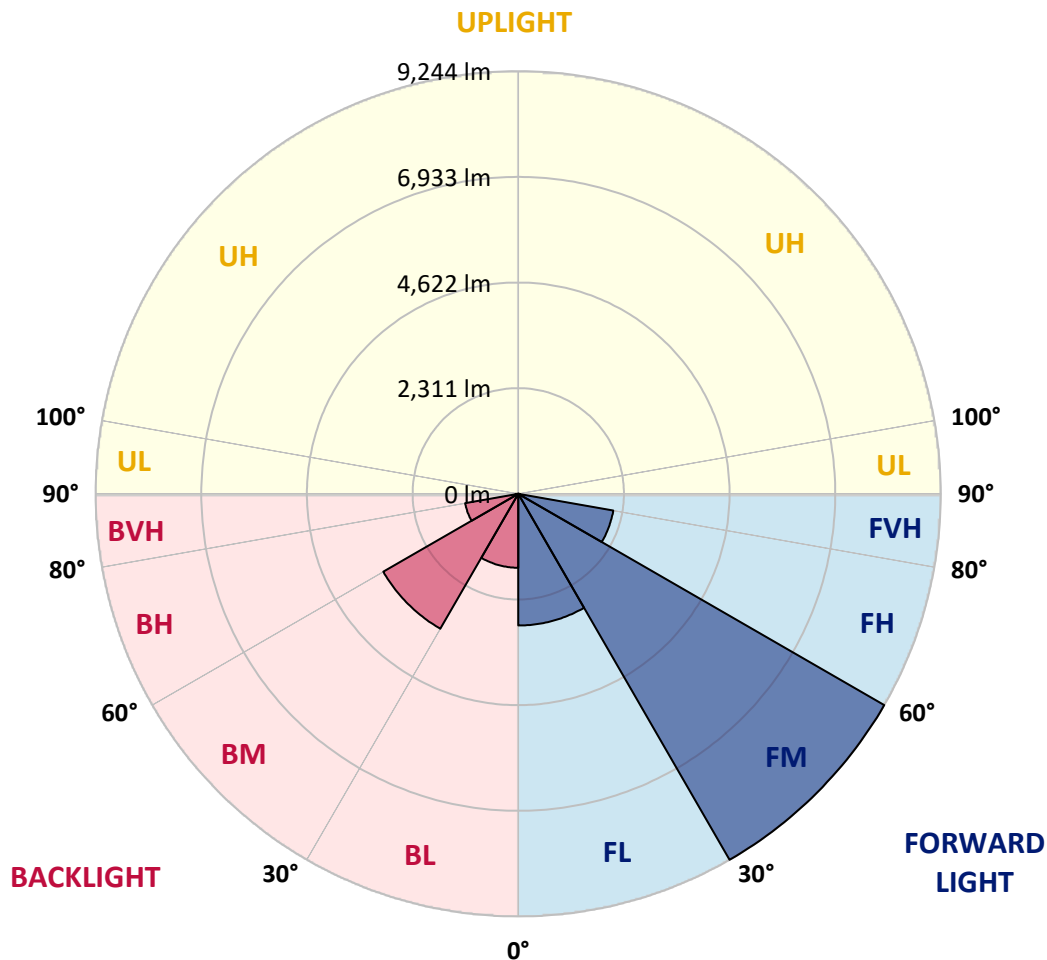


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2878.8	14.0			
FM (30°-60°)	9244.0	45.0			
FH (60°-80°)	2110.1	10.3			G2/5000
FVH (80°-90°)	35.0	0.2			G1/100
BL (0°-30°)	1617.0	7.9	B3/2500		
BM (30°-60°)	3407.6	16.6	B3/5000		
BH (60°-80°)	1178.9	5.7	B3/2500		G3/2500
BVH (80°-90°)	59.6	0.3			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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4
2.5°	9611.1	9557.1	9605.1	9832.9	9964.8	10054.8	10111.7	10102.7	9886.9	9677.1	9677.1
5°	9329.3	9260.4	9359.3	9874.9	10393.5	10438.5	10513.5	10390.6	10072.7	9689.1	9209.4
7.5°	8513.9	8564.8	8729.7	9407.3	10081.8	10420.6	10510.4	10354.5	9838.9	9122.5	8418.0
10°	7809.4	7929.3	8310.1	9041.5	9662.1	10102.7	10201.7	9982.9	9575.2	8696.8	8067.2
12.5°	7566.6	7491.7	7914.3	8645.8	9239.4	9476.2	9521.2	9536.2	9260.4	8480.9	7713.5
15°	7536.6	7584.5	7914.3	8468.9	8834.7	8846.6	8921.6	9038.5	9074.5	8627.8	7878.4
17.5°	7968.3	7911.4	8250.1	8690.8	8516.9	8343.0	8361.0	8528.9	8825.7	8753.7	8397.0
20°	8606.8	8735.8	9002.5	8957.6	8489.9	8049.2	8052.2	8211.1	8795.7	9275.3	9119.4
22.5°	9668.1	9794.0	9991.9	9449.2	8489.9	7962.3	7860.4	8076.2	8987.6	9895.9	9934.9
25°	10636.4	10867.2	10921.2	10282.6	8915.6	8043.2	7977.3	8190.1	9179.4	10501.4	10870.2
27.5°	11517.8	11601.7	11838.5	10819.3	9152.4	8097.2	8091.2	8364.0	9422.2	10804.2	11706.6
30°	12213.2	12204.2	12339.1	11158.0	9530.1	8399.9	8109.2	8624.8	9740.1	11304.9	12480.1
32.5°	12686.9	12788.8	13073.6	11628.6	9689.1	8687.8	8459.9	8930.6	10126.8	11541.7	13025.7
35°	13520.3	13697.2	13337.5	11889.5	10192.7	8972.6	8705.8	9347.3	10318.6	11799.6	13694.2
37.5°	14305.7	14170.8	13805.1	12030.4	10519.4	9500.2	9251.4	10153.7	10915.2	12360.1	14137.8
40°	14809.3	14806.4	14155.9	12144.3	10750.3	10306.6	10291.6	10972.1	11646.7	12713.9	14635.5
42.5°	15028.2	15238.0	14299.8	12132.3	11236.0	11283.9	11586.7	12195.2	12165.3	12785.8	14623.5
44°	15328.0	15453.9	14548.5	12159.3	11559.7	11943.4	12657.0	13043.7	12618.0	12746.8	14608.5
45°	15316.0	15325.0	14194.9	12195.2	11835.5	12495.0	13133.6	13787.1	13016.7	12662.9	14806.4
47.5°	14965.2	14863.4	13895.0	11928.5	12695.9	13952.0	14542.6	14938.3	13508.3	12483.1	14560.6
50°	14272.8	14155.9	13166.5	11814.5	12875.7	14857.3	15672.8	15816.7	13955.0	12306.2	14317.7
52.5°	14320.8	14287.8	13373.4	11985.4	13055.7	15142.1	16449.2	16485.2	14461.6	12677.9	14320.8
55°	15178.1	15064.2	13967.0	12198.3	12923.7	14809.3	15954.6	15891.6	14290.8	12453.1	14584.5
57.5°	13889.0	13964.0	13145.6	11355.8	11310.9	12039.3	12543.0	12387.1	11925.5	11238.9	13568.3
60°	11206.0	11418.8	11496.8	9497.2	8534.9	8160.1	8010.2	7734.5	7812.4	9233.4	11919.5
62.5°	9611.1	9599.1	10087.8	8609.8	5591.0	4808.6	4736.6	4799.6	5698.9	9089.5	11673.7
65°	7620.5	7824.4	7974.3	7296.8	4424.8	3570.4	3567.4	3966.1	4931.5	7596.6	9425.2
67.5°	4838.5	5105.3	5291.2	4667.6	2958.9	2542.2	2473.3	2952.8	3417.6	4982.5	5674.9
70°	2728.1	2854.0	2937.9	2692.0	1882.6	1319.0	1241.1	1355.1	2065.6	3225.7	3363.6
72.5°	1052.3	1109.2	1223.1	1232.1	710.5	425.7	344.8	413.7	869.4	1277.1	1217.1
75°	161.8	173.9	245.9	293.8	203.8	155.9	164.9	170.9	242.8	329.8	275.8
77.5°	77.9	77.9	74.9	86.9	101.9	111.0	119.9	131.9	143.9	158.9	152.9
80°	51.0	51.0	51.0	60.0	74.9	90.0	101.9	107.9	113.9	125.9	119.9
82.5°	33.0	33.0	33.0	44.9	60.0	74.9	81.0	95.9	107.9	125.9	116.9
85°	18.0	18.0	18.0	30.0	44.9	63.0	60.0	48.0	27.0	3.0	6.0
87.5°	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4
2.5°	9425.2	9287.3	9275.3	8993.5	8741.7	8618.8	8519.9	8244.1	8304.0	8145.2	8142.2
5°	8969.6	8687.8	8232.1	7857.4	7482.7	7407.6	7080.9	6796.1	6805.1	6601.2	6637.3
7.5°	8151.2	7956.3	7401.7	6814.1	6316.5	5962.7	5654.0	5468.1	5231.2	5150.3	5108.4
10°	7632.5	7392.7	6769.1	6031.7	5474.1	5285.2	4988.4	4823.5	4580.7	4460.8	4376.9
12.5°	7404.7	7054.0	6274.5	5525.0	5153.3	4958.4	4706.6	4406.8	4119.0	4008.1	3855.3
15°	7428.7	7008.9	6130.6	5321.2	4874.5	4496.8	4272.0	3939.2	3645.4	3450.5	3339.6
17.5°	7791.4	7281.7	6196.6	5165.3	4523.8	4050.1	3609.4	3249.7	3015.8	2868.9	2833.0
20°	8648.8	7956.3	6307.5	4913.5	4173.0	3582.5	3039.8	2665.1	2485.2	2482.2	2485.2
22.5°	9362.3	8675.8	6532.3	4763.6	3822.3	2982.8	2443.3	2323.3	2287.4	2362.3	2371.3
25°	10324.6	9485.2	6919.1	4685.6	3498.5	2542.2	2209.4	2164.4	2161.5	2257.4	2260.4
27.5°	11310.9	10192.7	7149.9	4457.8	3168.7	2314.3	2068.5	2059.5	2107.5	2209.4	2200.4
30°	11982.4	10786.3	7566.6	4185.0	2779.0	2113.5	2011.5	2023.6	2089.5	2167.4	2179.4
32.5°	12764.9	11370.9	7674.5	4035.1	2539.2	1945.6	1873.6	1900.7	1984.6	2107.5	2173.5
35°	13661.2	11784.5	7839.4	3831.2	2449.2	1816.7	1780.7	1810.7	1912.6	1993.6	2065.6
37.5°	14323.7	12516.0	7869.4	3672.3	2350.3	1744.8	1687.8	1786.7	1846.7	1960.6	1996.6
40°	14815.4	13046.7	7947.3	3573.5	2272.3	1651.8	1651.8	1717.7	1798.7	1903.6	1975.6
42.5°	15130.1	13433.4	8004.3	3483.5	2122.5	1624.8	1609.8	1675.8	1783.8	1885.6	1918.7
44°	15322.0	13598.3	7947.3	3399.6	2080.5	1591.8	1591.8	1648.8	1732.8	1852.7	1891.6
45°	15370.0	13805.1	7821.4	3396.6	2029.5	1552.9	1546.9	1654.8	1711.8	1858.7	1882.6
47.5°	15555.9	14059.9	7836.3	3300.7	1906.6	1460.0	1564.9	1612.8	1663.8	1792.7	1873.6
50°	15549.8	14218.8	7803.4	3159.7	1816.7	1355.1	1528.9	1582.8	1633.8	1765.7	1798.7
52.5°	15591.8	14812.4	8106.2	2934.9	1654.8	1220.1	1409.0	1528.9	1591.8	1702.8	1771.7
55°	15570.8	15151.1	8406.0	2767.0	1426.9	1139.2	1307.1	1447.9	1537.9	1654.8	1687.8
57.5°	14221.8	13391.4	7779.4	2452.3	1181.2	1043.3	1163.1	1364.0	1477.9	1597.9	1639.8
60°	11619.6	10321.6	6415.4	1804.7	971.3	959.3	1082.3	1337.1	1385.0	1490.0	1561.9
62.5°	10738.3	9053.5	5087.4	1379.0	830.4	878.4	998.2	1208.2	1283.1	1412.0	1477.9
65°	8403.0	6013.7	3150.7	932.3	731.5	788.4	902.3	1058.2	1181.2	1301.0	1379.0
67.5°	4976.4	3285.6	1558.9	653.6	638.5	698.5	815.4	932.3	1073.3	1205.1	1244.1
70°	2710.0	1615.9	665.6	497.7	542.6	596.6	710.5	791.5	926.4	1028.2	1094.2
72.5°	869.4	491.6	332.8	368.7	413.7	476.7	545.6	644.6	740.5	800.5	854.4
75°	209.8	206.9	236.9	257.8	299.8	347.7	404.7	455.7	530.6	587.6	635.6
77.5°	146.9	158.9	182.8	212.8	227.9	245.9	281.8	320.8	353.8	395.7	425.7
80°	113.9	122.9	140.9	155.9	170.9	185.9	203.8	218.8	239.8	266.8	281.8
82.5°	107.9	113.9	131.9	140.9	134.9	131.9	143.9	149.9	152.9	161.8	170.9
85°	9.0	0.0	6.0	21.0	51.0	74.9	81.0	81.0	77.9	83.9	83.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	12.0	9.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4
2.5°	8106.2	8004.3	8043.2	8091.2	8022.2	7863.4	7905.3	7887.3	8049.2	8037.3	8199.1
5°	6796.1	6637.3	6655.3	6889.1	6814.1	6895.0	6733.2	6712.2	6742.2	6757.1	6784.1
7.5°	5201.2	5180.2	5360.2	5558.0	5650.9	5555.0	5396.1	5360.2	5327.2	5261.2	5411.2
10°	4245.0	4251.0	4238.9	4388.9	4493.8	4472.8	4376.9	4364.8	4301.9	4277.9	4361.9
12.5°	3789.3	3708.4	3669.4	3621.4	3702.3	3756.3	3714.3	3684.3	3687.4	3717.4	3729.4
15°	3348.6	3297.6	3213.7	3159.7	3198.7	3171.7	3156.7	3216.7	3201.7	3195.7	3267.7
17.5°	2854.0	2895.9	2889.9	2830.0	2881.0	2860.0	2856.9	2815.0	2758.0	2716.1	2740.0
20°	2527.2	2605.1	2665.1	2668.1	2695.1	2692.0	2647.1	2518.2	2476.2	2467.2	2473.3
22.5°	2410.3	2452.3	2524.2	2626.1	2626.1	2578.2	2524.2	2374.3	2335.3	2293.3	2275.4
25°	2317.4	2398.3	2491.2	2503.2	2551.2	2506.2	2419.2	2344.3	2263.3	2206.4	2206.4
27.5°	2269.4	2359.3	2428.2	2449.2	2515.2	2479.2	2389.3	2293.3	2197.4	2194.4	2143.5
30°	2248.4	2332.3	2377.3	2428.2	2458.2	2401.3	2374.3	2272.3	2176.4	2152.5	2068.5
32.5°	2185.4	2305.3	2389.3	2377.3	2401.3	2377.3	2338.4	2254.4	2146.4	2092.5	2083.5
35°	2113.5	2233.4	2323.3	2386.3	2401.3	2350.3	2326.3	2212.4	2065.6	2038.5	1945.6
37.5°	2074.5	2146.4	2257.4	2359.3	2380.3	2353.3	2272.3	2155.4	2008.6	1978.6	1897.6
40°	2026.6	2119.5	2206.4	2290.4	2353.3	2287.4	2194.4	2080.5	2014.6	1924.6	1900.7
42.5°	1990.5	2095.5	2167.4	2260.4	2332.3	2245.4	2137.4	2059.5	1966.6	1906.6	1837.7
44°	1978.6	2074.5	2122.5	2236.4	2296.4	2230.4	2140.5	2059.5	1951.6	1897.6	1837.7
45°	1936.6	2068.5	2119.5	2221.4	2272.3	2218.4	2104.5	2023.6	1945.6	1879.7	1816.7
47.5°	1894.6	1984.6	2071.5	2152.5	2188.4	2170.5	2074.5	1975.6	1882.6	1843.7	1783.8
50°	1882.6	1972.6	2053.5	2128.5	2170.5	2134.5	2047.5	1951.6	1843.7	1780.7	1729.7
52.5°	1822.7	1933.6	2023.6	2047.5	2101.5	2080.5	2014.6	1909.7	1807.7	1753.8	1711.8
55°	1735.8	1852.7	1975.6	2005.6	2083.5	2050.5	1951.6	1852.7	1765.7	1684.8	1630.8
57.5°	1702.8	1816.7	1936.6	1975.6	2023.6	1969.6	1945.6	1840.7	1702.8	1660.8	1576.9
60°	1618.9	1762.8	1861.7	1951.6	1954.6	1939.6	1897.6	1777.7	1663.8	1585.9	1525.9
62.5°	1552.9	1687.8	1765.7	1849.7	1900.7	1858.7	1816.7	1705.8	1582.8	1495.9	1426.9
65°	1456.9	1579.9	1645.8	1696.8	1753.8	1747.7	1675.8	1594.9	1465.9	1397.0	1331.0
67.5°	1310.0	1418.0	1507.9	1555.9	1591.8	1582.8	1528.9	1472.0	1340.0	1271.1	1223.1
70°	1133.2	1244.1	1301.0	1328.0	1364.0	1382.0	1340.0	1313.1	1196.1	1106.2	1061.3
72.5°	911.3	983.3	1067.2	1091.2	1106.2	1118.2	1118.2	1094.2	974.3	938.3	860.4
75°	671.5	728.5	791.5	791.5	818.4	821.4	827.4	812.4	722.5	674.6	656.5
77.5°	455.7	497.7	548.6	569.6	587.6	584.6	581.6	539.6	491.6	470.7	452.7
80°	296.8	338.7	362.8	389.7	407.7	404.7	410.7	380.7	359.7	323.8	329.8
82.5°	176.9	209.8	233.8	266.8	266.8	275.8	275.8	266.8	245.9	227.9	227.9
85°	83.9	111.0	125.9	146.9	158.9	161.8	143.9	122.9	101.9	92.9	101.9
87.5°	15.0	21.0	30.0	27.0	33.0	30.0	30.0	30.0	30.0	24.0	27.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4	9158.4
2.5°	8139.1	8289.1	8394.0	8567.8	8867.6	9107.5	9353.3	9536.2	9557.1	9611.1
5°	6883.0	6964.0	7230.8	7578.6	7824.4	8229.1	8489.9	8963.5	9140.4	9329.3
7.5°	5375.1	5507.1	5863.8	6097.6	6637.3	7143.9	7668.5	8253.1	8486.9	8513.9
10°	4532.8	4724.6	4967.4	5342.2	5636.0	6199.6	6853.1	7503.6	7764.5	7809.4
12.5°	3981.2	4226.9	4550.7	4820.5	5102.3	5594.0	6220.5	7024.0	7362.7	7566.6
15°	3450.5	3705.3	4062.1	4436.8	4685.6	5273.2	6010.7	6916.0	7356.8	7536.6
17.5°	2904.9	3141.7	3435.6	3840.2	4340.9	5000.4	5977.7	7275.8	7758.4	7968.3
20°	2437.2	2569.2	2910.9	3327.6	3954.2	4721.6	5989.7	7806.4	8513.9	8606.8
22.5°	2254.4	2284.3	2419.2	2803.0	3489.5	4436.8	6202.5	8558.9	9362.3	9668.1
25°	2113.5	2107.5	2143.5	2401.3	3150.7	4325.9	6412.4	9251.4	10303.6	10636.4
27.5°	2035.6	1975.6	1978.6	2221.4	2910.9	4146.1	6682.2	10045.8	11370.9	11517.8
30°	1996.6	1984.6	1948.6	2047.5	2650.1	3876.2	6727.1	10828.3	12000.4	12213.2
32.5°	1972.6	1855.6	1810.7	1846.7	2404.3	3582.5	6895.0	11343.9	12779.8	12686.9
35°	1852.7	1747.7	1717.7	1753.8	2230.4	3417.6	6784.1	11793.5	13364.4	13520.3
37.5°	1807.7	1714.8	1654.8	1624.8	2068.5	3279.7	6727.1	12486.0	13931.0	14305.7
40°	1765.7	1666.8	1594.9	1564.9	1942.6	3096.8	6709.2	13019.6	14584.5	14809.3
42.5°	1717.7	1654.8	1573.9	1519.9	1789.7	2913.9	6502.3	13184.5	14785.4	15028.2
44°	1702.8	1606.9	1522.9	1504.9	1729.7	2821.0	6460.4	13334.4	14959.3	15328.0
45°	1687.8	1597.9	1502.0	1477.9	1708.7	2770.0	6403.4	13370.4	15247.0	15316.0
47.5°	1645.8	1588.9	1495.9	1430.0	1663.8	2659.1	6232.5	13166.5	14953.3	14965.2
50°	1612.8	1546.9	1451.0	1322.0	1603.8	2566.1	6310.5	13091.6	14245.8	14272.8
52.5°	1576.9	1477.9	1424.0	1202.1	1504.9	2488.2	6475.3	13430.4	14326.7	14320.8
55°	1534.9	1426.9	1295.1	1100.2	1340.0	2389.3	6874.0	14098.9	15076.2	15178.1
57.5°	1468.9	1376.0	1187.2	1010.3	1151.2	2200.4	6745.2	12818.8	13871.1	13889.0
60°	1382.0	1295.1	1076.2	941.3	944.3	1735.8	6031.7	9988.8	10945.2	11206.0
62.5°	1298.1	1250.1	983.3	842.4	803.4	1382.0	5099.4	8301.1	9395.3	9611.1
65°	1199.2	1082.3	902.3	767.4	689.5	968.3	3612.4	6202.5	7329.7	7620.5
67.5°	1073.3	947.4	794.4	674.6	590.5	647.5	1864.6	3525.5	4667.6	4838.5
70°	938.3	821.4	668.5	569.6	476.7	446.7	821.4	1681.8	2551.2	2728.1
72.5°	770.5	662.5	533.6	449.7	356.7	308.8	275.8	449.7	905.4	1052.3
75°	557.6	482.6	401.7	320.8	251.8	197.9	161.8	134.9	149.9	161.8
77.5°	410.7	350.8	296.8	227.9	176.9	140.9	111.0	83.9	81.0	77.9
80°	320.8	284.8	236.9	182.8	137.9	104.9	77.9	56.9	51.0	51.0
82.5°	251.8	233.8	194.9	149.9	113.9	83.9	56.9	39.0	33.0	33.0
85°	95.9	95.9	140.9	122.9	86.9	60.0	39.0	21.0	18.0	18.0
87.5°	24.0	24.0	24.0	24.0	21.0	18.0	18.0	9.0	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)