

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: P646895

Luminaire Tested: **GALN-SA4C-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646895
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-SA4C-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 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: 16218.3 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

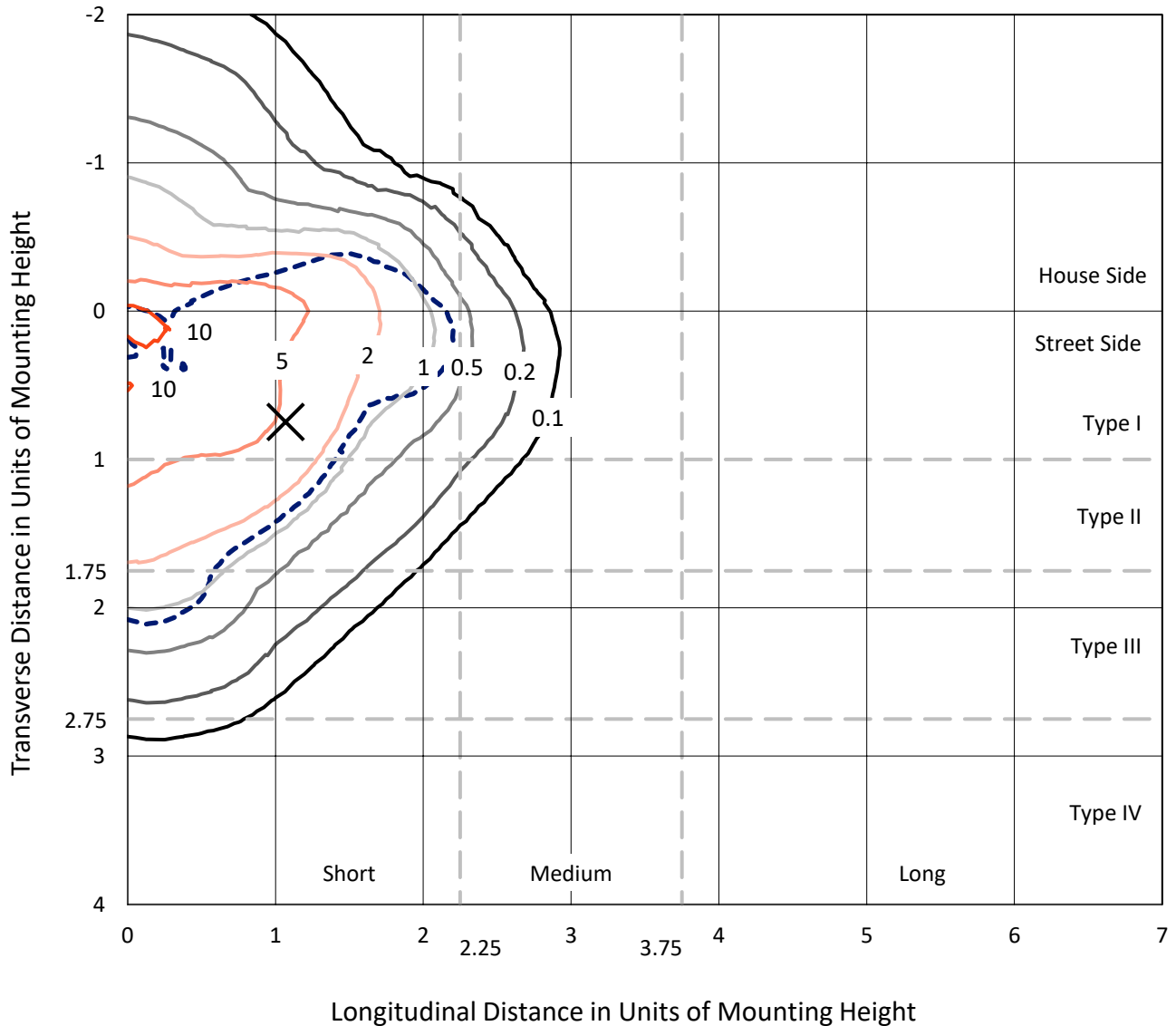
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

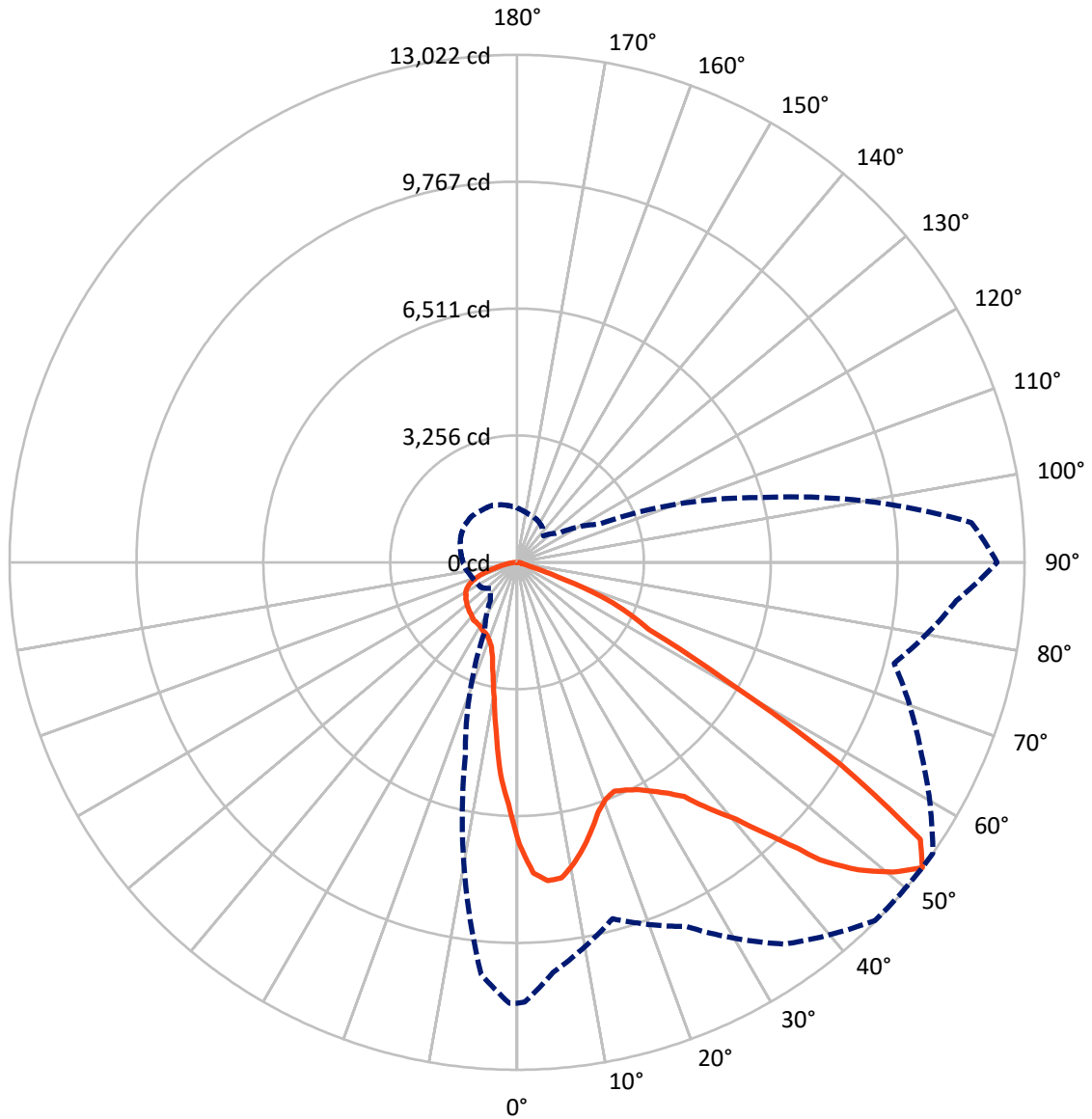
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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	4947.5	0.0	4947.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	11270.8	0.0	11270.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	16218.3	0.0	16218.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.7	3.4
10°-20°	1191.7	7.3
20°-30°	1807.0	11.1
30°-40°	2610.9	16.1
40°-50°	3488.8	21.5
50°-60°	3894.3	24.0
60°-70°	2136.2	13.2
70°-80°	461.8	2.8
80°-90°	74.7	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°	16218.3	100.0
0°-180°	16218.3	100.0

Coefficient of Utilization



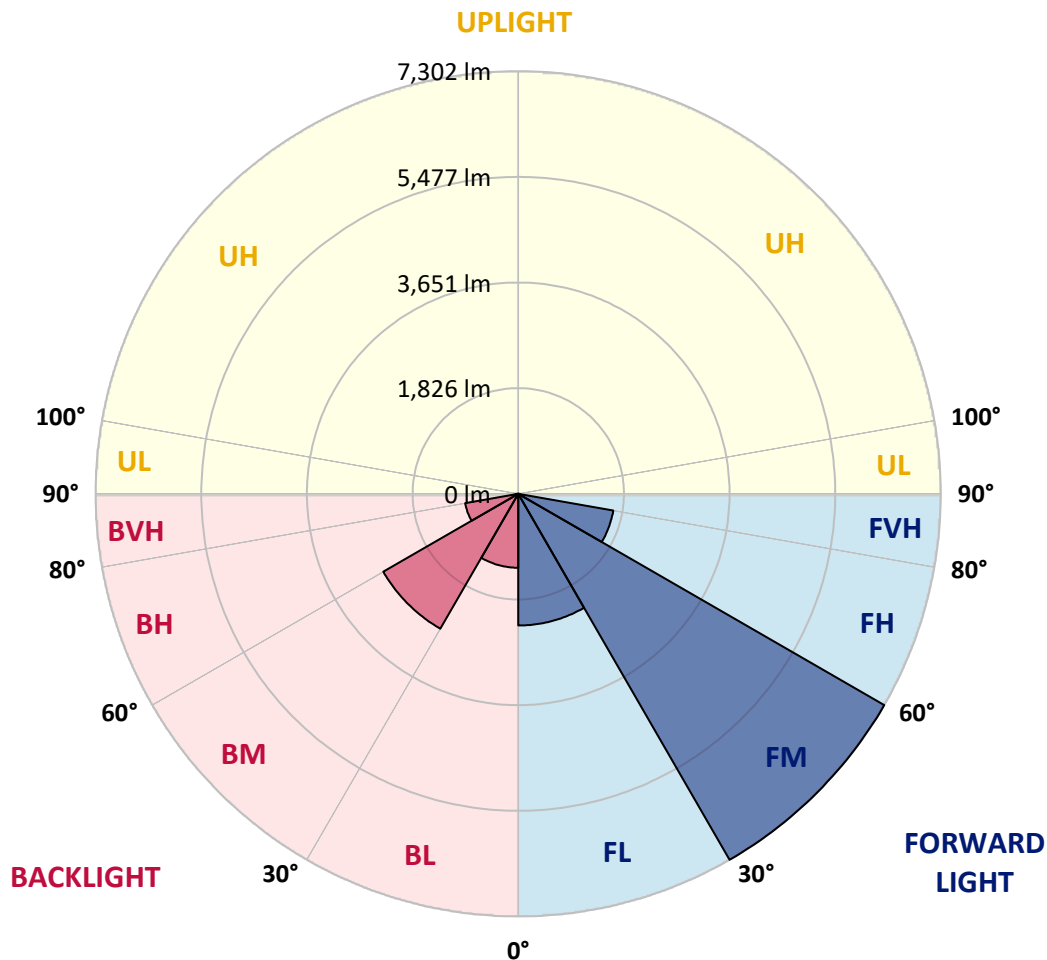
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2274.1	14.0			
FM (30°-60°)	7302.2	45.0			
FH (60°-80°)	1666.8	10.3			G1/1800
FVH (80°-90°)	27.7	0.2			G1/100
BL (0°-30°)	1277.4	7.9	B3/2500		
BM (30°-60°)	2691.8	16.6	B3/5000		
BH (60°-80°)	931.2	5.7	B2/1000		G2/1000
BVH (80°-90°)	47.1	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6
2.5°	7592.2	7549.5	7587.4	7767.4	7871.7	7942.7	7987.7	7980.6	7810.0	7644.3	7644.3
5°	7369.6	7315.1	7393.2	7800.6	8210.3	8245.8	8305.0	8207.9	7956.8	7653.7	7274.9
7.5°	6725.5	6765.7	6896.0	7431.1	7964.0	8231.6	8302.6	8179.5	7772.1	7206.2	6649.7
10°	6168.9	6263.7	6564.4	7142.2	7632.4	7980.6	8058.7	7885.8	7563.8	6869.9	6372.6
12.5°	5977.1	5917.9	6251.9	6829.6	7298.6	7485.6	7521.2	7533.0	7315.1	6699.4	6093.1
15°	5953.5	5991.4	6251.9	6690.0	6978.9	6988.4	7047.5	7139.9	7168.3	6815.5	6223.4
17.5°	6294.5	6249.4	6517.1	6865.2	6727.8	6590.5	6604.7	6737.3	6971.8	6914.9	6633.1
20°	6798.9	6900.7	7111.4	7076.0	6706.6	6358.4	6360.8	6486.3	6948.0	7327.0	7203.8
22.5°	7637.2	7736.7	7893.0	7464.3	6706.6	6289.8	6209.2	6379.7	7099.6	7817.2	7847.9
25°	8402.1	8584.4	8627.1	8122.7	7042.8	6353.7	6301.6	6469.7	7251.2	8295.5	8586.8
27.5°	9098.3	9164.6	9351.7	8546.5	7229.9	6396.3	6391.6	6607.0	7443.0	8534.7	9247.5
30°	9647.7	9640.6	9747.2	8814.2	7528.2	6635.5	6405.8	6813.1	7694.0	8930.2	9858.5
32.5°	10021.9	10102.4	10327.4	9185.9	7653.7	6862.8	6682.8	7054.6	7999.5	9117.3	10289.5
35°	10680.2	10820.0	10535.7	9391.9	8051.6	7087.8	6877.0	7383.8	8151.1	9320.9	10817.5
37.5°	11300.6	11194.1	10905.2	9503.3	8309.7	7504.6	7308.1	8020.8	8622.3	9763.8	11168.1
40°	11698.5	11696.1	11182.3	9593.2	8492.1	8141.6	8129.7	8667.3	9200.2	10043.2	11561.2
42.5°	11871.4	12037.1	11295.9	9583.8	8875.7	8913.6	9152.8	9633.5	9609.8	10100.0	11551.7
44°	12108.2	12207.7	11492.5	9605.1	9131.5	9434.6	9998.2	10303.7	9967.4	10069.2	11539.9
45°	12098.8	12105.8	11213.0	9633.5	9349.3	9870.3	10374.8	10891.0	10282.4	10002.9	11696.1
47.5°	11821.7	11741.2	10976.3	9422.8	10029.0	11021.2	11487.8	11800.4	10670.7	9860.9	11502.0
50°	11274.7	11182.3	10400.7	9332.7	10171.1	11736.4	12380.6	12494.2	11023.6	9721.1	11310.1
52.5°	11312.5	11286.5	10564.2	9467.7	10313.1	11961.3	12993.9	13022.3	11423.8	10014.8	11312.5
55°	11989.8	11899.8	11033.1	9635.9	10209.0	11698.5	12603.2	12553.4	11288.8	9837.1	11520.9
57.5°	10971.5	11030.7	10384.2	8970.4	8934.9	9510.4	9908.2	9785.1	9420.4	8878.0	10718.1
60°	8852.0	9020.2	9081.7	7502.2	6742.0	6446.0	6327.6	6109.7	6171.3	7293.8	9415.7
62.5°	7592.2	7582.7	7968.7	6801.2	4416.5	3798.5	3741.6	3791.4	4501.8	7180.1	9221.5
65°	6019.8	6180.8	6299.2	5764.0	3495.3	2820.4	2818.1	3133.0	3895.6	6000.8	7445.4
67.5°	3822.1	4032.9	4179.7	3687.1	2337.3	2008.2	1953.7	2332.6	2699.6	3935.8	4482.8
70°	2155.0	2254.4	2320.7	2126.5	1487.2	1041.9	980.4	1070.4	1631.6	2548.1	2657.0
72.5°	831.2	876.2	966.2	973.3	561.3	336.3	272.3	326.8	686.8	1008.8	961.4
75°	127.9	137.3	194.2	232.1	161.1	123.2	130.2	135.0	191.8	260.5	217.8
77.5°	61.5	61.5	59.2	68.7	80.5	87.6	94.7	104.2	113.7	125.5	120.7
80°	40.2	40.2	40.2	47.4	59.2	71.0	80.5	85.3	90.0	99.4	94.7
82.5°	26.1	26.1	26.1	35.5	47.4	59.2	64.0	75.8	85.3	99.4	92.4
85°	14.2	14.2	14.2	23.6	35.5	49.7	47.4	37.9	21.3	2.3	4.7
87.5°	4.7	4.7	4.7	4.7	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°	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6
2.5°	7445.4	7336.5	7327.0	7104.4	6905.4	6808.3	6730.2	6512.4	6559.7	6434.1	6431.8
5°	7085.4	6862.8	6502.9	6206.8	5910.8	5851.6	5593.5	5368.6	5375.6	5214.6	5243.0
7.5°	6438.9	6285.0	5846.9	5382.7	4989.7	4710.2	4466.3	4319.4	4132.4	4068.5	4035.3
10°	6029.3	5839.8	5347.2	4764.6	4324.2	4175.0	3940.5	3810.3	3618.5	3523.7	3457.5
12.5°	5849.2	5572.2	4956.5	4364.4	4070.8	3916.9	3717.9	3481.1	3253.8	3166.1	3045.4
15°	5868.2	5536.7	4842.8	4203.4	3850.6	3552.2	3374.6	3111.7	2879.6	2725.7	2638.1
17.5°	6154.8	5752.2	4894.9	4080.3	3573.5	3199.3	2851.2	2567.1	2382.4	2266.3	2237.9
20°	6832.0	6285.0	4982.5	3881.3	3296.4	2829.9	2401.3	2105.3	1963.1	1960.8	1963.1
22.5°	7395.7	6853.4	5160.1	3762.9	3019.3	2356.3	1930.0	1835.3	1806.9	1866.0	1873.2
25°	8155.8	7492.8	5465.7	3701.4	2763.6	2008.2	1745.3	1709.8	1707.4	1783.2	1785.6
27.5°	8934.9	8051.6	5647.9	3521.4	2503.1	1828.2	1634.0	1626.9	1664.8	1745.3	1738.2
30°	9465.4	8520.5	5977.1	3305.9	2195.2	1669.5	1589.0	1598.5	1650.6	1712.2	1721.7
32.5°	10083.5	8982.3	6062.4	3187.5	2005.8	1536.9	1480.1	1501.4	1567.7	1664.8	1716.9
35°	10791.5	9309.1	6192.7	3026.5	1934.8	1435.1	1406.7	1430.3	1510.9	1574.8	1631.6
37.5°	11314.9	9886.9	6216.3	2900.9	1856.6	1378.2	1333.2	1411.4	1458.7	1548.8	1577.2
40°	11703.3	10306.1	6277.9	2822.8	1795.0	1304.9	1304.9	1356.9	1420.9	1503.8	1560.6
42.5°	11951.9	10611.5	6322.9	2751.8	1676.6	1283.5	1271.7	1323.8	1409.0	1489.6	1515.6
44°	12103.5	10741.8	6277.9	2685.5	1643.4	1257.5	1257.5	1302.4	1368.8	1463.5	1494.3
45°	12141.4	10905.2	6178.4	2683.1	1603.2	1226.6	1221.9	1307.2	1352.2	1468.2	1487.2
47.5°	12288.2	11106.5	6190.2	2607.3	1506.1	1153.3	1236.1	1274.0	1314.3	1416.1	1480.1
50°	12283.5	11232.0	6164.2	2496.0	1435.1	1070.4	1207.8	1250.4	1290.6	1394.8	1420.9
52.5°	12316.6	11700.9	6403.4	2318.4	1307.2	963.8	1113.0	1207.8	1257.5	1345.1	1399.5
55°	12300.0	11968.5	6640.2	2185.7	1127.2	899.9	1032.5	1143.8	1214.8	1307.2	1333.2
57.5°	11234.3	10578.4	6145.3	1937.1	933.0	824.1	918.9	1077.5	1167.5	1262.2	1295.4
60°	9178.8	8153.5	5067.8	1425.6	767.3	757.8	854.9	1056.2	1094.1	1176.9	1233.8
62.5°	8482.6	7151.7	4018.7	1089.3	656.0	693.9	788.6	954.3	1013.6	1115.4	1167.5
65°	6637.8	4750.5	2488.9	736.5	577.9	622.8	712.8	835.9	933.0	1027.8	1089.3
67.5°	3931.1	2595.5	1231.4	516.2	504.4	551.8	644.1	736.5	847.8	952.0	982.7
70°	2140.8	1276.4	525.7	393.1	428.6	471.3	561.3	625.1	731.7	812.3	864.4
72.5°	686.8	388.4	262.9	291.3	326.8	376.5	431.0	509.2	584.9	632.3	674.9
75°	165.8	163.4	187.1	203.7	236.8	274.7	319.7	359.9	419.1	464.2	502.1
77.5°	116.0	125.5	144.5	168.1	180.0	194.2	222.6	253.4	279.5	312.6	336.3
80°	90.0	97.1	111.3	123.2	135.0	146.8	161.1	172.9	189.5	210.8	222.6
82.5°	85.3	90.0	104.2	111.3	106.6	104.2	113.7	118.4	120.7	127.9	135.0
85°	7.1	0.0	4.7	16.6	40.2	59.2	64.0	64.0	61.5	66.3	66.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	9.5	7.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6
2.5°	6403.4	6322.9	6353.7	6391.6	6337.1	6211.6	6244.7	6230.5	6358.4	6349.0	6476.8
5°	5368.6	5243.0	5257.2	5441.9	5382.7	5446.7	5318.8	5302.2	5325.9	5337.7	5359.1
7.5°	4108.7	4092.1	4234.2	4390.5	4463.9	4388.1	4262.7	4234.2	4208.2	4156.1	4274.5
10°	3353.3	3358.0	3348.5	3466.9	3549.8	3533.2	3457.5	3448.0	3398.2	3379.3	3445.6
12.5°	2993.3	2929.4	2898.6	2860.7	2924.7	2967.3	2934.1	2910.4	2912.8	2936.5	2946.0
15°	2645.2	2605.0	2538.6	2496.0	2526.8	2505.4	2493.6	2541.0	2529.2	2524.4	2581.2
17.5°	2254.4	2287.6	2282.8	2235.5	2275.8	2259.2	2256.8	2223.6	2178.7	2145.5	2164.4
20°	1996.3	2057.9	2105.3	2107.6	2129.0	2126.5	2091.1	1989.2	1956.1	1949.0	1953.7
22.5°	1903.9	1937.1	1994.0	2074.5	2074.5	2036.6	1994.0	1875.5	1844.7	1811.6	1797.4
25°	1830.6	1894.5	1967.9	1977.4	2015.3	1979.7	1911.1	1851.9	1787.9	1743.0	1743.0
27.5°	1792.7	1863.7	1918.2	1934.8	1986.9	1958.4	1887.4	1811.6	1735.8	1733.5	1693.2
30°	1776.1	1842.4	1877.9	1918.2	1941.8	1896.9	1875.5	1795.0	1719.2	1700.3	1634.0
32.5°	1726.4	1821.1	1887.4	1877.9	1896.9	1877.9	1847.1	1780.9	1695.6	1652.9	1645.9
35°	1669.5	1764.3	1835.3	1885.0	1896.9	1856.6	1837.6	1747.7	1631.6	1610.3	1536.9
37.5°	1638.7	1695.6	1783.2	1863.7	1880.3	1859.0	1795.0	1702.7	1586.7	1562.9	1499.1
40°	1600.8	1674.3	1743.0	1809.3	1859.0	1806.9	1733.5	1643.4	1591.4	1520.4	1501.4
42.5°	1572.4	1655.3	1712.2	1785.6	1842.4	1773.7	1688.5	1626.9	1553.5	1506.1	1451.7
44°	1562.9	1638.7	1676.6	1766.6	1814.0	1761.9	1690.8	1626.9	1541.6	1499.1	1451.7
45°	1529.8	1634.0	1674.3	1754.8	1795.0	1752.4	1662.4	1598.5	1536.9	1484.8	1435.1
47.5°	1496.6	1567.7	1636.4	1700.3	1728.7	1714.5	1638.7	1560.6	1487.2	1456.4	1409.0
50°	1487.2	1558.2	1622.1	1681.3	1714.5	1686.1	1617.4	1541.6	1456.4	1406.7	1366.4
52.5°	1439.8	1527.5	1598.5	1617.4	1660.0	1643.4	1591.4	1508.5	1428.0	1385.4	1352.2
55°	1371.1	1463.5	1560.6	1584.2	1645.9	1619.8	1541.6	1463.5	1394.8	1330.9	1288.3
57.5°	1345.1	1435.1	1529.8	1560.6	1598.5	1555.8	1536.9	1454.0	1345.1	1311.9	1245.6
60°	1278.8	1392.5	1470.6	1541.6	1544.0	1532.2	1499.1	1404.3	1314.3	1252.7	1205.4
62.5°	1226.6	1333.2	1394.8	1461.2	1501.4	1468.2	1435.1	1347.5	1250.4	1181.7	1127.2
65°	1150.9	1248.0	1300.1	1340.3	1385.4	1380.6	1323.8	1259.8	1158.0	1103.6	1051.4
67.5°	1034.9	1120.2	1191.2	1229.1	1257.5	1250.4	1207.8	1162.8	1058.5	1004.1	966.2
70°	895.1	982.7	1027.8	1049.1	1077.5	1091.7	1058.5	1037.2	944.8	873.8	838.3
72.5°	719.9	776.7	843.1	862.0	873.8	883.3	883.3	864.4	769.6	741.2	679.6
75°	530.5	575.4	625.1	625.1	646.5	648.9	653.6	641.7	570.7	532.8	518.6
77.5°	359.9	393.1	433.4	449.9	464.2	461.8	459.4	426.3	388.4	371.8	357.6
80°	234.4	267.6	286.6	307.9	322.0	319.7	324.4	300.8	284.2	255.7	260.5
82.5°	139.7	165.8	184.7	210.8	210.8	217.8	217.8	210.8	194.2	180.0	180.0
85°	66.3	87.6	99.4	116.0	125.5	127.9	113.7	97.1	80.5	73.4	80.5
87.5°	11.8	16.6	23.6	21.3	26.1	23.6	23.6	23.6	23.6	18.9	21.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6	7234.6
2.5°	6429.4	6547.8	6630.8	6768.1	7004.9	7194.4	7388.5	7533.0	7549.5	7592.2
5°	5437.2	5501.1	5711.9	5986.6	6180.8	6500.5	6706.6	7080.7	7220.4	7369.6
7.5°	4246.1	4350.3	4632.1	4816.8	5243.0	5643.2	6057.7	6519.4	6704.1	6725.5
10°	3580.6	3732.2	3924.0	4220.0	4452.1	4897.3	5413.5	5927.4	6133.4	6168.9
12.5°	3144.8	3339.0	3594.8	3808.0	4030.6	4418.9	4913.9	5548.5	5816.1	5977.1
15°	2725.7	2927.0	3208.8	3504.8	3701.4	4165.6	4748.1	5463.2	5811.3	5953.5
17.5°	2294.7	2481.8	2713.9	3033.6	3429.1	3950.0	4722.0	5747.5	6128.7	6294.5
20°	1925.3	2029.5	2299.4	2628.6	3123.5	3729.8	4731.5	6166.6	6725.5	6798.9
22.5°	1780.9	1804.5	1911.1	2214.2	2756.5	3504.8	4899.6	6761.0	7395.7	7637.2
25°	1669.5	1664.8	1693.2	1896.9	2488.9	3417.2	5065.4	7308.1	8139.2	8402.1
27.5°	1608.0	1560.6	1562.9	1754.8	2299.4	3275.1	5278.5	7935.5	8982.3	9098.3
30°	1577.2	1567.7	1539.3	1617.4	2093.4	3062.0	5314.1	8553.6	9479.5	9647.7
32.5°	1558.2	1465.9	1430.3	1458.7	1899.2	2829.9	5446.7	8961.0	10095.3	10021.9
35°	1463.5	1380.6	1356.9	1385.4	1761.9	2699.6	5359.1	9316.2	10557.1	10680.2
37.5°	1428.0	1354.6	1307.2	1283.5	1634.0	2590.7	5314.1	9863.2	11004.7	11300.6
40°	1394.8	1316.7	1259.8	1236.1	1534.5	2446.2	5299.8	10284.8	11520.9	11698.5
42.5°	1356.9	1307.2	1243.2	1200.7	1413.8	2301.8	5136.5	10415.0	11679.5	11871.4
44°	1345.1	1269.3	1203.0	1188.8	1366.4	2228.4	5103.3	10533.4	11817.0	12108.2
45°	1333.2	1262.2	1186.4	1167.5	1349.8	2188.2	5058.3	10561.8	12044.3	12098.8
47.5°	1300.1	1255.1	1181.7	1129.6	1314.3	2100.6	4923.3	10400.7	11812.2	11821.7
50°	1274.0	1221.9	1146.2	1044.4	1267.0	2027.1	4984.9	10341.6	11253.3	11274.7
52.5°	1245.6	1167.5	1124.9	949.6	1188.8	1965.6	5115.1	10609.2	11317.2	11312.5
55°	1212.5	1127.2	1023.0	869.1	1058.5	1887.4	5430.1	11137.2	11909.3	11989.8
57.5°	1160.4	1087.0	937.8	798.0	909.4	1738.2	5328.2	10126.1	10957.3	10971.5
60°	1091.7	1023.0	850.2	743.6	746.0	1371.1	4764.6	7890.6	8646.0	8852.0
62.5°	1025.4	987.5	776.7	665.5	634.6	1091.7	4028.1	6557.3	7421.7	7592.2
65°	947.3	854.9	712.8	606.3	544.7	764.9	2853.6	4899.6	5790.1	6019.8
67.5°	847.8	748.3	627.6	532.8	466.5	511.5	1473.0	2784.9	3687.1	3822.1
70°	741.2	648.9	528.1	449.9	376.5	352.8	648.9	1328.5	2015.3	2155.0
72.5°	608.6	523.4	421.5	355.2	281.8	243.9	217.8	355.2	715.2	831.2
75°	440.4	381.2	317.3	253.4	199.0	156.3	127.9	106.6	118.4	127.9
77.5°	324.4	277.1	234.4	180.0	139.7	111.3	87.6	66.3	64.0	61.5
80°	253.4	225.0	187.1	144.5	108.9	82.9	61.5	45.0	40.2	40.2
82.5°	199.0	184.7	153.9	118.4	90.0	66.3	45.0	30.8	26.1	26.1
85°	75.8	75.8	111.3	97.1	68.7	47.4	30.8	16.6	14.2	14.2
87.5°	18.9	18.9	18.9	18.9	16.6	14.2	14.2	7.1	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)