

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: P458238

Luminaire Tested: **GALN-SA9C-827-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458238
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-SA9C-827-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 1050mA 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: 40386 lumens
Efficiency: N/A
Efficacy: 84.0 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

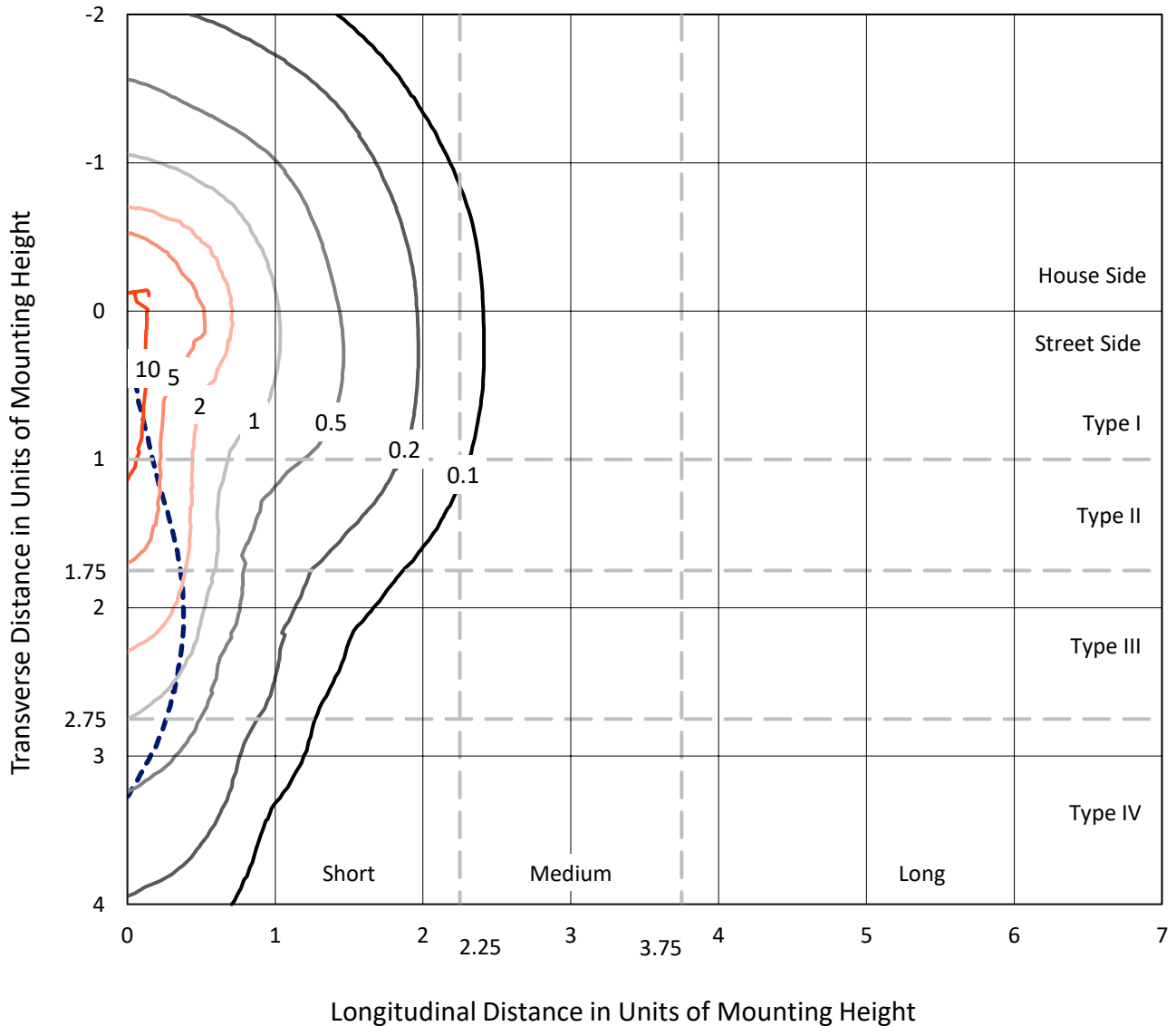
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

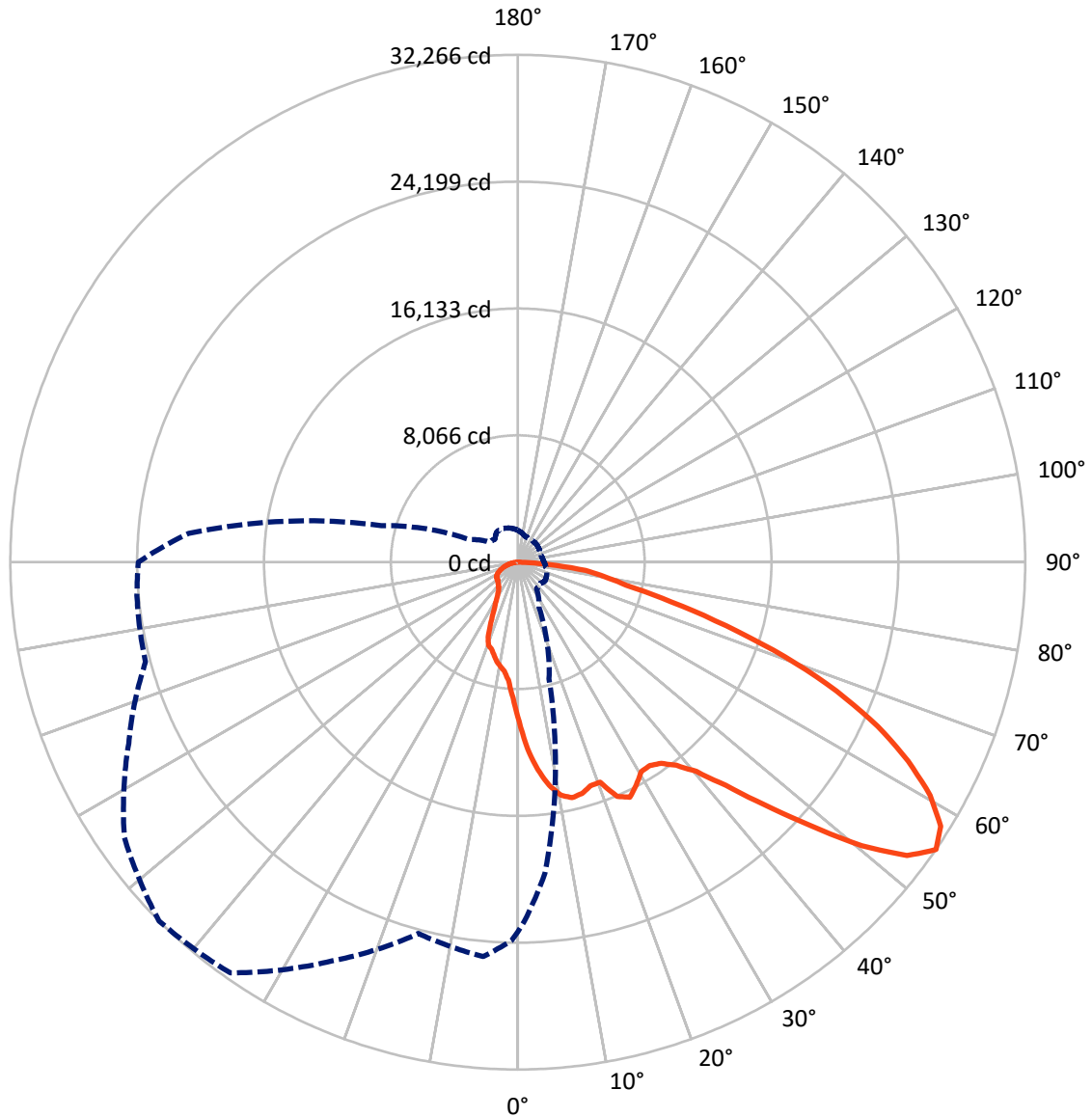
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 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	8834.2	0.0	8834.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	31551.8	0.0	31551.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	40386.0	0.0	40386.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.0	2.1
10°-20°	2278.9	5.6
20°-30°	3937.0	9.7
30°-40°	4575.4	11.3
40°-50°	6383.6	15.8
50°-60°	8661.8	21.4
60°-70°	8240.7	20.4
70°-80°	4451.9	11.0
80°-90°	997.7	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°	40386.0	100.0
0°-180°	40386.0	100.0

Coefficient of Utilization



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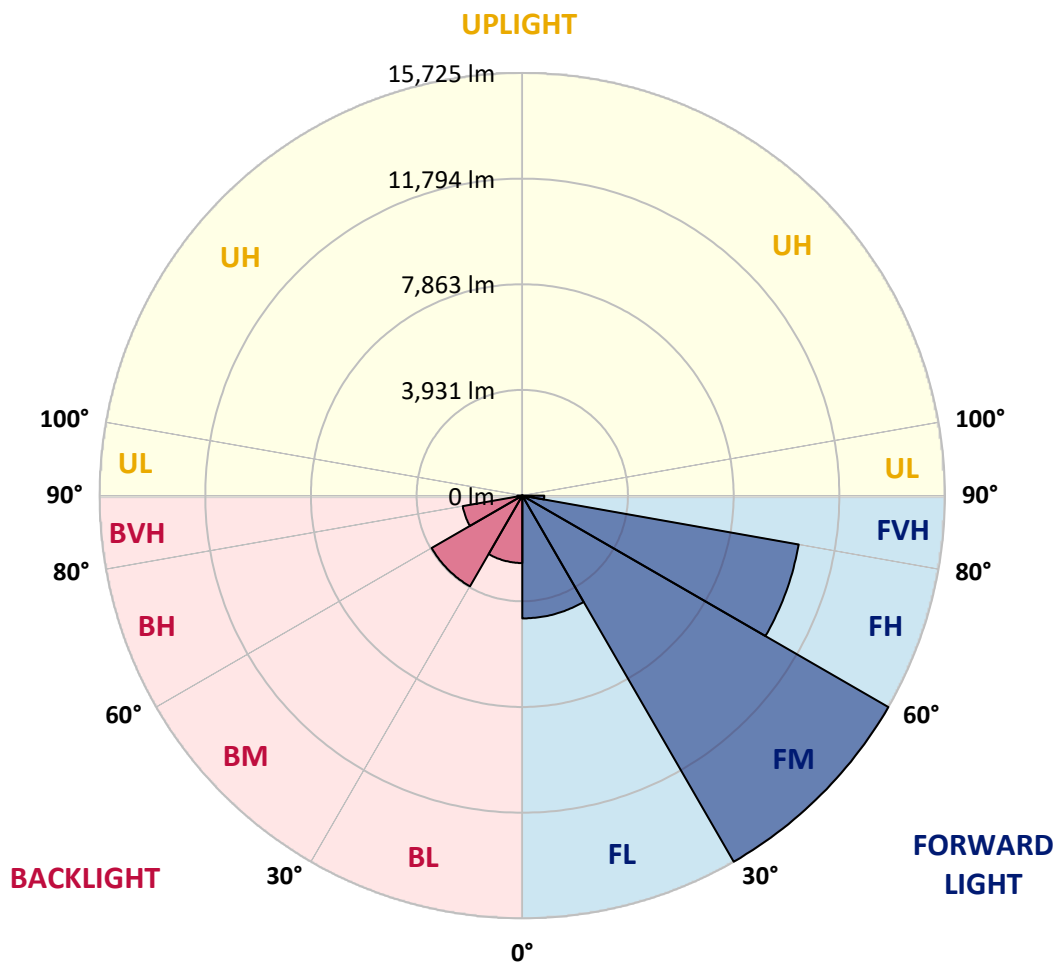
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4567.7	11.3			
FM	(30°-60°)	15725.5	38.9			
FH	(60°-80°)	10443.1	25.9			G4/12000
FVH	(80°-90°)	815.4	2.0			G5
BL	(0°-30°)	2507.2	6.2	B4/5000		
BM	(30°-60°)	3895.3	9.6	B3/5000		
BH	(60°-80°)	2249.4	5.6	B3/2500		G3/2500
BVH	(80°-90°)	182.3	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°	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3
2.5°	11259.7	11217.0	11097.2	10782.8	10465.7	10143.3	9895.5	9586.4	9264.1	9090.9	8869.7
5°	11414.2	11366.3	11083.8	10375.1	9733.0	9058.9	8520.7	8049.1	7857.3	7574.8	7348.4
7.5°	11051.9	11030.5	10606.9	9589.1	8709.9	7828.0	7217.8	6839.5	6495.8	6367.9	6394.5
10°	10721.5	10636.2	10106.0	8776.5	7750.7	7034.0	6597.0	6226.7	5984.2	5920.3	5933.6
12.5°	10447.0	10332.5	9706.3	8230.3	7332.4	6759.5	6202.7	5816.3	5595.2	5656.5	5864.3
15°	10391.1	10236.6	9538.5	8043.8	7103.2	6365.2	5755.1	5310.1	5144.9	5278.1	5611.2
17.5°	10753.4	10558.9	9826.2	8105.0	6884.8	5962.9	5214.2	4705.3	4566.8	4779.9	5214.2
20°	11917.8	11630.0	10724.1	8459.4	6863.4	5763.1	4899.8	4388.2	4446.9	4851.8	5304.8
22.5°	14070.6	13639.0	12296.1	8976.3	6975.4	5712.4	4835.9	4569.4	4891.8	5235.5	5533.9
25°	14496.9	14158.5	12578.5	9093.5	6951.4	5677.8	5017.0	5150.3	5509.9	5680.5	5576.6
27.5°	14736.7	14350.4	12559.9	8512.7	6216.0	5150.3	4795.9	5017.0	5107.6	4942.4	4660.0
30°	15296.2	14893.9	12877.0	7902.6	5118.3	3820.7	3349.1	3258.5	3319.8	3351.8	3250.5
32.5°	16066.2	15669.2	13473.8	7502.9	4425.5	3160.0	2696.4	2568.5	2539.2	2504.5	2464.6
35°	17062.7	16452.6	14059.9	7247.1	4140.4	2922.8	2496.5	2397.9	2358.0	2310.0	2267.4
37.5°	18075.2	17435.7	14800.6	6978.0	3951.3	2757.6	2363.3	2318.0	2248.7	2198.1	2136.8
40°	19151.6	18434.9	15474.7	6743.6	3767.4	2651.1	2267.4	2262.1	2171.5	2112.9	2040.9
42.5°	20084.1	19346.1	16076.9	6599.7	3626.2	2539.2	2208.8	2224.8	2131.5	2043.6	1950.3
45°	20824.8	20100.1	16633.7	6599.7	3511.7	2427.3	2198.1	2187.5	2094.2	1985.0	1878.4
47.5°	21474.9	20726.2	17177.3	6767.5	3439.7	2334.0	2139.5	2158.1	2062.2	1923.7	1819.8
50°	21978.5	21317.7	17910.0	7028.6	3367.8	2259.4	2064.9	2166.1	2035.6	1891.7	1771.8
52.5°	22620.6	22029.1	18791.9	7385.7	3306.5	2176.8	1998.3	2166.1	2032.9	1894.4	1763.8
55°	23510.5	22887.0	19855.0	7681.4	3207.9	2099.5	1939.7	2104.9	2024.9	1881.1	1742.5
57.5°	24134.0	23667.7	20606.3	7878.6	3066.7	2001.0	1886.4	2046.2	1990.3	1830.4	1678.6
58°	24163.3	23707.7	20715.6	7923.9	3032.1	1982.3	1873.1	2019.6	1974.3	1809.1	1657.2
60°	23827.6	23435.9	20736.9	7859.9	2834.9	1889.0	1803.8	1910.4	1889.0	1683.9	1542.7
62.5°	22607.3	22189.0	19876.3	7340.4	2573.8	1774.5	1697.2	1763.8	1715.9	1508.0	1377.5
65°	20872.8	20102.8	18107.1	6525.1	2387.3	1651.9	1553.3	1558.7	1508.0	1358.8	1244.3
67.5°	18562.7	17702.2	15330.9	5499.3	2246.1	1516.0	1382.8	1369.5	1308.2	1212.3	1119.0
70°	15719.9	15131.0	12458.6	4473.5	2088.9	1366.8	1191.0	1183.0	1145.7	1073.7	991.2
72.5°	12741.1	11992.4	10060.7	3580.9	1897.0	1223.0	1012.5	1028.5	980.5	929.9	855.3
75°	9402.6	8912.4	7777.3	2872.2	1638.6	1065.8	844.6	849.9	828.6	775.3	716.7
77.5°	6192.0	6045.5	5563.2	1886.4	1260.3	847.3	690.1	695.4	679.4	631.5	570.2
80°	4167.1	4068.5	3770.1	1215.0	841.9	612.8	532.9	538.2	535.5	484.9	402.3
82.5°	2568.5	2525.8	2429.9	820.6	583.5	439.6	351.7	367.7	397.0	341.0	274.4
85°	1212.3	1215.0	1468.1	447.6	343.7	282.4	191.8	205.2	205.2	205.2	154.5
87.5°	157.2	165.2	202.5	189.2	125.2	106.6	69.3	58.6	50.6	66.6	48.0
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°	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3
2.5°	8792.5	8739.2	8624.6	8598.0	8582.0	8627.3	8507.4	8539.3	8486.1	8635.3	8611.3
5°	7361.7	7367.0	7460.3	7521.5	7542.9	7521.5	7441.6	7303.1	7196.5	7153.9	7164.5
7.5°	6343.9	6437.1	6597.0	6775.5	6938.1	6986.0	6940.7	6676.9	6389.2	6208.0	6149.4
10°	6005.5	6130.7	6314.6	6455.8	6599.7	6714.2	6738.2	6533.1	6192.0	5763.1	5595.2
12.5°	6024.2	6194.7	6370.5	6415.8	6402.5	6447.8	6426.5	6391.9	6168.0	5621.8	5342.1
15°	5848.3	6050.8	6173.4	6149.4	6106.8	6066.8	6010.8	5922.9	5843.0	5459.3	5150.3
17.5°	5443.3	5651.2	5752.4	5760.4	5760.4	5749.7	5613.9	5581.9	5571.2	5384.7	5195.5
20°	5517.9	5632.5	5587.2	5512.6	5533.9	5605.9	5525.9	5509.9	5571.2	5653.8	5619.2
22.5°	5560.6	5520.6	5179.6	4849.2	4774.6	4998.4	5043.7	5222.2	5470.0	5768.4	5962.9
25°	5296.8	4974.4	4364.3	3991.2	3780.8	3988.6	4260.3	4590.7	4961.1	5344.7	5571.2
27.5°	4428.2	4183.1	3746.1	3410.4	3226.6	3258.5	3490.3	3791.4	4135.1	4393.6	4558.8
30°	3335.8	3226.6	3000.1	2885.5	2773.6	2747.0	2845.6	2960.1	3112.0	3144.0	3186.6
32.5°	2456.6	2440.6	2453.9	2416.6	2395.3	2392.6	2363.3	2390.0	2405.9	2424.6	2387.3
35°	2222.1	2200.8	2163.5	2152.8	2139.5	2144.8	2131.5	2118.2	2128.8	2144.8	2155.5
37.5°	2102.2	2070.2	2016.9	1998.3	1998.3	2006.3	1985.0	1979.6	1998.3	2048.9	2075.6
40°	2008.9	1971.6	1910.4	1886.4	1902.4	1923.7	1894.4	1883.7	1929.0	1982.3	2024.9
42.5°	1921.0	1891.7	1833.1	1806.5	1819.8	1859.7	1817.1	1809.1	1867.7	1926.3	1977.0
45°	1846.4	1817.1	1763.8	1750.5	1755.8	1793.1	1763.8	1763.8	1819.8	1883.7	1929.0
47.5°	1787.8	1750.5	1715.9	1705.2	1710.5	1731.8	1726.5	1726.5	1779.8	1846.4	1891.7
50°	1729.2	1697.2	1651.9	1657.2	1670.6	1699.9	1697.2	1705.2	1758.5	1841.1	1889.0
52.5°	1702.5	1654.6	1604.0	1609.3	1649.3	1683.9	1673.2	1681.2	1742.5	1897.0	1966.3
55°	1673.2	1609.3	1550.7	1558.7	1604.0	1654.6	1641.3	1651.9	1723.9	1934.3	2030.3
57.5°	1617.3	1542.7	1478.7	1484.1	1550.7	1604.0	1582.6	1596.0	1681.2	1894.4	1995.6
58°	1593.3	1529.4	1468.1	1470.7	1534.7	1593.3	1569.3	1580.0	1667.9	1883.7	1979.6
60°	1492.1	1454.8	1401.5	1404.1	1465.4	1516.0	1502.7	1513.4	1598.6	1806.5	1878.4
62.5°	1353.5	1332.2	1318.9	1318.9	1356.2	1404.1	1417.5	1430.8	1508.0	1633.3	1697.2
65°	1204.3	1204.3	1207.0	1207.0	1230.9	1292.2	1300.2	1334.9	1406.8	1468.1	1516.0
67.5°	1103.1	1097.7	1103.1	1089.7	1100.4	1137.7	1177.7	1209.6	1284.2	1326.9	1342.8
70°	972.5	969.8	972.5	953.8	967.2	999.1	1025.8	1079.1	1156.3	1188.3	1196.3
72.5°	844.6	844.6	849.9	836.6	836.6	871.3	889.9	948.5	1020.5	1039.1	1041.8
75°	711.4	719.4	719.4	700.7	706.1	727.4	751.4	799.3	865.9	879.2	879.2
77.5°	564.8	594.2	594.2	575.5	583.5	586.2	618.1	642.1	692.7	698.1	676.8
80°	410.3	439.6	463.6	447.6	460.9	445.0	463.6	479.6	530.2	506.2	471.6
82.5°	293.1	314.4	333.0	335.7	322.4	293.1	317.1	319.7	343.7	311.7	293.1
85°	162.5	181.2	205.2	194.5	173.2	154.5	162.5	167.9	165.2	157.2	146.5
87.5°	42.6	45.3	50.6	37.3	34.6	29.3	40.0	40.0	45.3	48.0	45.3
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°	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3
2.5°	8629.9	8747.2	9000.3	9192.1	9426.6	9711.7	10047.4	10385.8	10750.8	10865.3	11025.2
5°	7140.5	7433.6	7556.2	7905.2	8251.6	8771.1	9325.3	9967.5	10670.8	11009.2	11334.3
7.5°	6101.4	6258.6	6386.5	6642.3	7057.9	7689.4	8384.8	9186.8	10183.3	10676.2	11153.1
10°	5541.9	5557.9	5715.1	6032.2	6394.5	6951.4	7609.5	8507.4	9618.4	10217.9	10777.4
12.5°	5171.6	5102.3	5272.8	5603.2	6013.5	6527.7	7132.6	7987.8	9210.8	9826.2	10503.0
15°	4846.5	4737.3	4865.2	5203.5	5608.5	6213.3	6863.4	7769.3	9050.9	9767.6	10519.0
17.5°	4854.5	4553.4	4598.7	4883.8	5286.1	5901.6	6690.3	7761.3	9293.4	10119.3	11009.2
20°	5454.0	4971.7	4766.6	4819.9	5208.9	5880.3	6770.2	8134.4	10090.0	11294.3	12245.5
22.5°	6042.8	5752.4	5422.0	5312.8	5525.9	6229.3	7279.1	9016.3	11821.9	13636.3	15354.8
25°	5837.7	6085.4	6002.9	5848.3	5896.3	6479.8	7625.5	9741.0	13167.4	15211.0	16825.6
27.5°	4670.7	5120.9	5211.5	5208.9	5227.5	5707.1	6858.1	9253.4	13335.2	15512.0	17054.7
30°	3282.5	3322.5	3370.4	3463.7	3549.0	3977.9	5366.1	8123.7	13260.6	15647.9	17193.3
32.5°	2368.6	2421.9	2488.5	2616.4	2818.9	3365.1	4694.6	7764.0	13655.0	16210.1	17598.2
35°	2166.1	2227.4	2291.4	2437.9	2629.7	3136.0	4428.2	7614.8	14302.4	17121.3	18325.6
37.5°	2102.2	2171.5	2227.4	2334.0	2488.5	2970.8	4185.7	7513.6	14965.8	18085.8	19300.8
40°	2056.9	2136.8	2182.1	2267.4	2374.0	2818.9	3969.9	7433.6	15607.9	18967.7	20084.1
42.5°	2016.9	2099.5	2158.1	2219.4	2307.4	2683.0	3778.1	7353.7	16164.8	19823.0	20864.8
45°	1969.0	2072.9	2147.5	2195.5	2272.7	2568.5	3631.6	7289.7	16798.9	20582.3	21653.4
47.5°	1929.0	2043.6	2136.8	2192.8	2222.1	2488.5	3514.3	7377.7	17560.9	21376.3	22386.1
50°	1931.7	2040.9	2158.1	2246.1	2168.8	2421.9	3442.4	7726.7	18552.1	22319.5	22964.3
52.5°	2016.9	2150.2	2243.4	2264.7	2094.2	2342.0	3405.1	8336.9	19724.4	23153.5	23547.8
55°	2112.9	2251.4	2352.6	2339.3	2054.2	2240.7	3397.1	8987.0	21008.7	24126.0	24307.2
57.5°	2078.2	2280.7	2435.2	2366.0	2056.9	2142.2	3362.4	9511.8	22082.4	24853.4	25058.5
58°	2067.6	2270.1	2445.9	2360.6	2048.9	2112.9	3354.5	9557.1	22231.6	24904.0	25165.1
60°	1963.6	2176.8	2437.9	2320.7	2003.6	2032.9	3266.5	9703.7	22191.6	24642.9	25229.0
62.5°	1774.5	1950.3	2254.1	2126.2	1865.1	1926.3	3069.4	9522.5	21109.9	23385.3	24293.8
65°	1561.3	1691.9	1894.4	1870.4	1667.9	1817.1	2800.3	8805.8	18943.8	21344.4	22300.9
67.5°	1401.5	1508.0	1635.9	1601.3	1500.0	1670.6	2509.8	7593.5	16513.8	18893.1	20097.4
70°	1238.9	1321.5	1385.5	1361.5	1329.5	1526.7	2251.4	6162.7	14185.2	16564.5	17731.5
72.5°	1073.7	1151.0	1204.3	1169.7	1151.0	1374.8	2040.9	4782.6	11203.7	13665.6	15165.7
75°	897.9	975.2	1012.5	972.5	961.8	1212.3	1729.2	3572.9	8406.1	10535.0	11829.9
77.5°	695.4	778.0	826.0	812.6	818.0	996.5	1396.1	2445.9	6010.8	7180.5	8544.7
80°	487.6	578.2	610.1	596.8	634.1	759.3	985.8	1553.3	4145.8	4660.0	5621.8
82.5°	301.1	386.3	391.7	405.0	431.6	562.2	743.4	945.9	2603.1	2691.0	3389.1
85°	151.9	183.8	197.2	218.5	242.5	343.7	423.6	586.2	1675.9	1268.2	1894.4
87.5°	50.6	53.3	63.9	79.9	98.6	141.2	181.2	239.8	415.6	229.1	586.2
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°	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3	10135.3
2.5°	11347.6	11574.1	11739.3	11891.1	11744.6	11731.3	11587.4	11355.6	11259.7	11259.7
5°	12016.4	12546.6	12975.5	13250.0	13132.7	12850.3	12384.0	11789.9	11470.2	11414.2
7.5°	12200.2	13247.3	14044.0	14326.4	14129.2	13505.8	12613.2	11611.4	11153.1	11051.9
10°	12088.3	13449.8	14619.5	15067.1	14792.6	13849.5	12631.8	11403.6	10838.7	10721.5
12.5°	11971.1	13476.4	14726.0	15373.5	15195.0	14126.6	12767.7	11267.7	10614.9	10447.0
15°	12056.3	13487.1	14595.5	15264.2	15378.8	14459.6	12991.5	11366.3	10569.6	10391.1
17.5°	12594.5	13689.6	14409.0	14949.8	15352.2	14912.5	13628.3	11837.8	10974.6	10753.4
20°	13718.9	14174.5	14515.6	14933.9	15581.3	15837.1	14931.2	13132.7	12112.3	11917.8
22.5°	16974.8	16892.2	16194.1	16186.1	17124.0	18149.8	18088.5	15765.1	14230.5	14070.6
25°	18195.1	17811.4	16801.6	16556.5	16969.4	18552.1	18323.0	16303.4	14885.9	14496.9
27.5°	17718.1	16767.0	16103.5	16047.6	15911.7	17406.4	17957.9	16521.8	15115.0	14736.7
30°	17688.8	16290.0	15341.5	15453.4	15584.0	17012.1	18160.4	17206.6	15701.2	15296.2
32.5°	17760.8	16356.6	15397.5	15418.8	15807.8	17070.7	18384.2	17952.6	16471.2	16066.2
35°	18051.2	16735.0	15754.5	15703.9	16311.3	17454.4	18765.2	19124.9	17523.6	17062.7
37.5°	18520.1	17489.0	16407.3	16393.9	17275.9	18147.1	19239.5	20307.9	18570.7	18075.2
40°	19210.2	18370.9	17568.9	17497.0	18586.7	19274.1	19855.0	21568.2	19788.4	19151.6
42.5°	20044.1	19428.7	19101.0	19386.0	20433.1	20539.7	20814.2	22732.5	20824.8	20084.1
45°	20816.8	20787.5	21243.1	21999.8	22609.9	21970.5	21816.0	23513.2	21629.5	20824.8
47.5°	21736.0	22530.0	23904.8	25013.2	25652.7	23635.7	22671.2	24022.1	22215.6	21474.9
50°	22668.6	24616.2	26811.7	28357.0	28492.9	25444.8	23260.1	24501.7	22748.5	21978.5
52.5°	23649.1	26281.5	29204.3	31000.1	30736.3	27019.5	23830.2	24826.7	23297.4	22620.6
55°	24501.7	27301.9	30541.8	32265.7	31879.3	27978.7	24445.7	25178.4	24080.7	23510.5
57.5°	24978.6	27387.2	30208.8	31714.1	31295.8	27792.2	24728.1	25439.5	24581.6	24134.0
58°	25047.9	27272.6	29913.0	31394.4	30968.1	27635.0	24725.5	25428.9	24613.6	24163.3
60°	24986.6	26529.2	28812.6	30131.5	29683.9	26649.1	24624.2	25229.0	24208.6	23827.6
62.5°	24419.1	25239.7	26912.9	27872.1	27744.2	25109.1	24208.6	24475.0	22975.0	22607.3
65°	23673.0	23481.2	24480.3	25159.8	25255.7	23955.5	23795.6	22844.4	21392.3	20872.8
67.5°	22767.1	21488.2	21485.6	21871.9	22031.8	22181.0	22935.0	21072.6	19111.6	18562.7
70°	21229.8	18416.2	17568.9	18024.5	17891.3	19151.6	21397.7	18584.1	16362.0	15719.9
72.5°	18410.9	14614.1	13258.0	13844.1	13508.4	15019.1	18722.6	15293.6	13529.7	12741.1
75°	14923.2	10932.0	9533.2	10071.4	9863.5	11392.9	15578.6	11107.8	9703.7	9402.6
77.5°	11587.4	7921.2	7108.6	7034.0	7188.5	8478.1	11427.5	7500.2	6397.2	6192.0
80°	7444.3	5669.8	5717.8	5621.8	5701.8	5344.7	6938.1	4785.2	4332.3	4167.1
82.5°	4899.8	3951.3	4710.6	4348.3	4129.8	3594.3	4550.8	3133.3	2659.1	2568.5
85°	3338.5	2909.5	2648.4	2024.9	2384.6	2768.3	3413.1	1686.6	1337.5	1212.3
87.5°	1508.0	1012.5	743.4	458.3	724.7	836.6	1657.2	197.2	151.9	157.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)