

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: P457310

Luminaire Tested: **GALN-SA8C-827-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457310
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-SA8C-827-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 35973 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

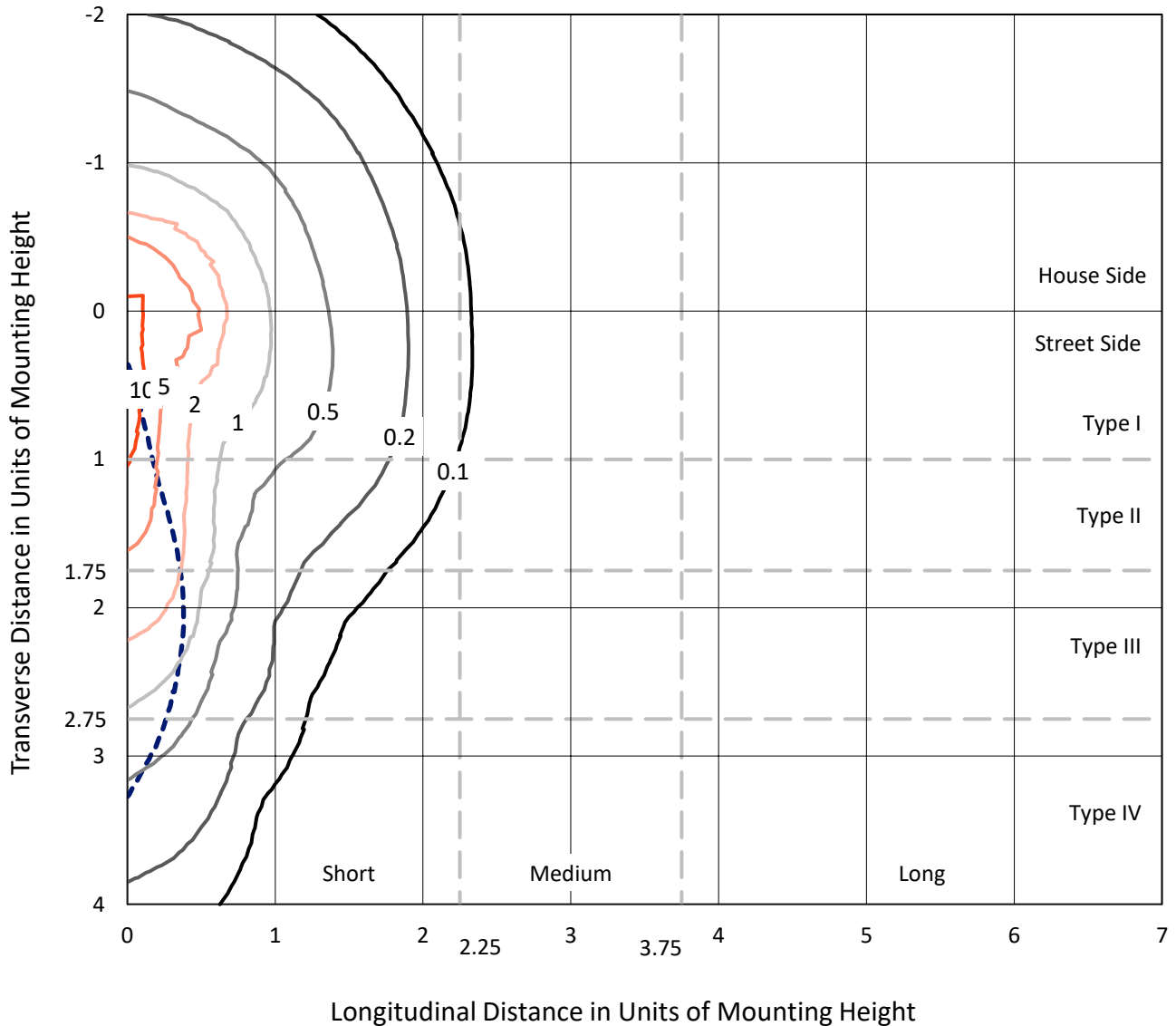
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

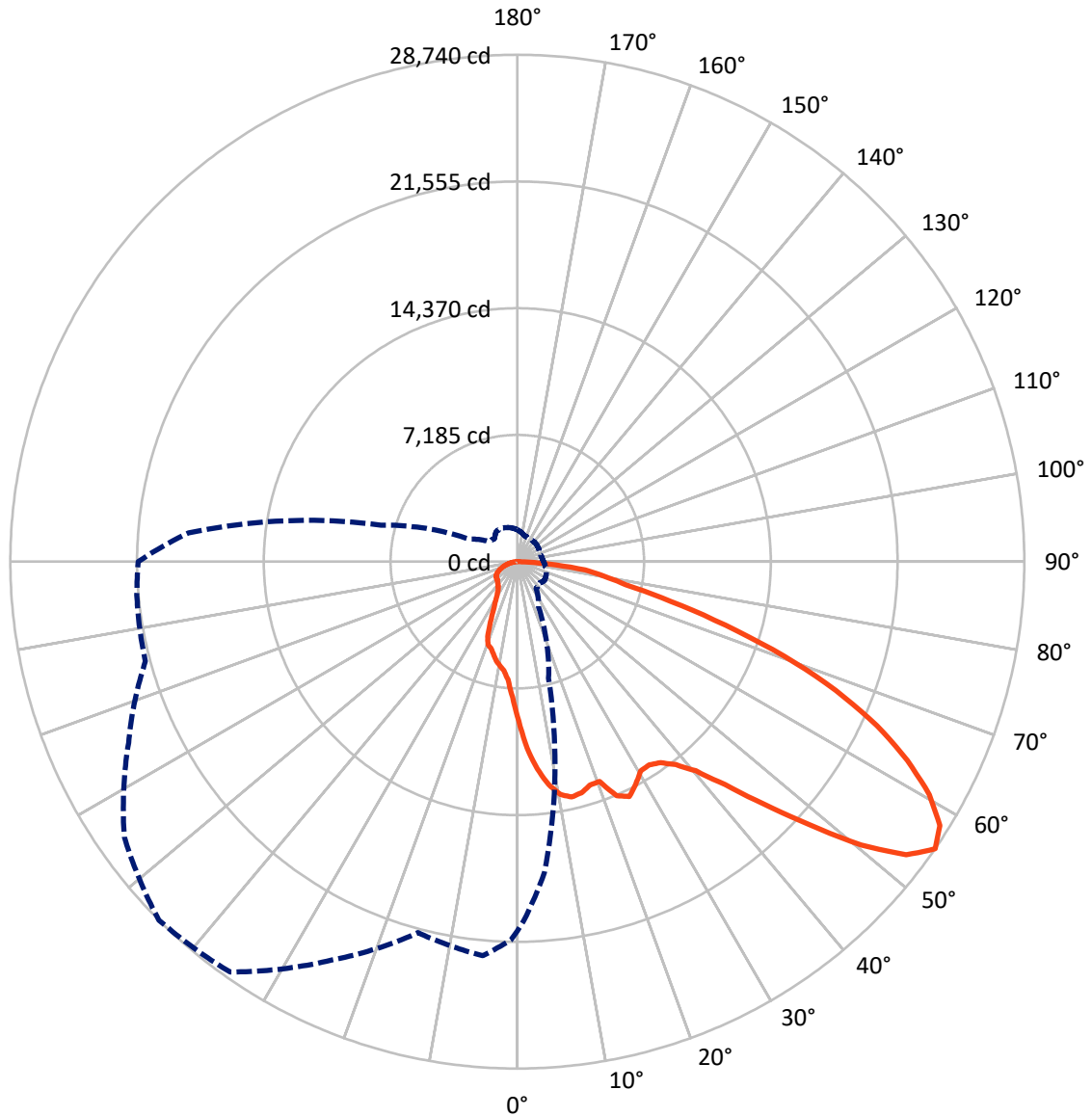
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 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	7868.9	0.0	7868.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	28104.1	0.0	28104.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	35973.0	0.0	35973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.1	2.1
10°-20°	2029.9	5.6
20°-30°	3506.8	9.7
30°-40°	4075.4	11.3
40°-50°	5686.0	15.8
50°-60°	7715.3	21.4
60°-70°	7340.2	20.4
70°-80°	3965.4	11.0
80°-90°	888.7	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°	35973.0	100.0
0°-180°	35973.0	100.0

Coefficient of Utilization



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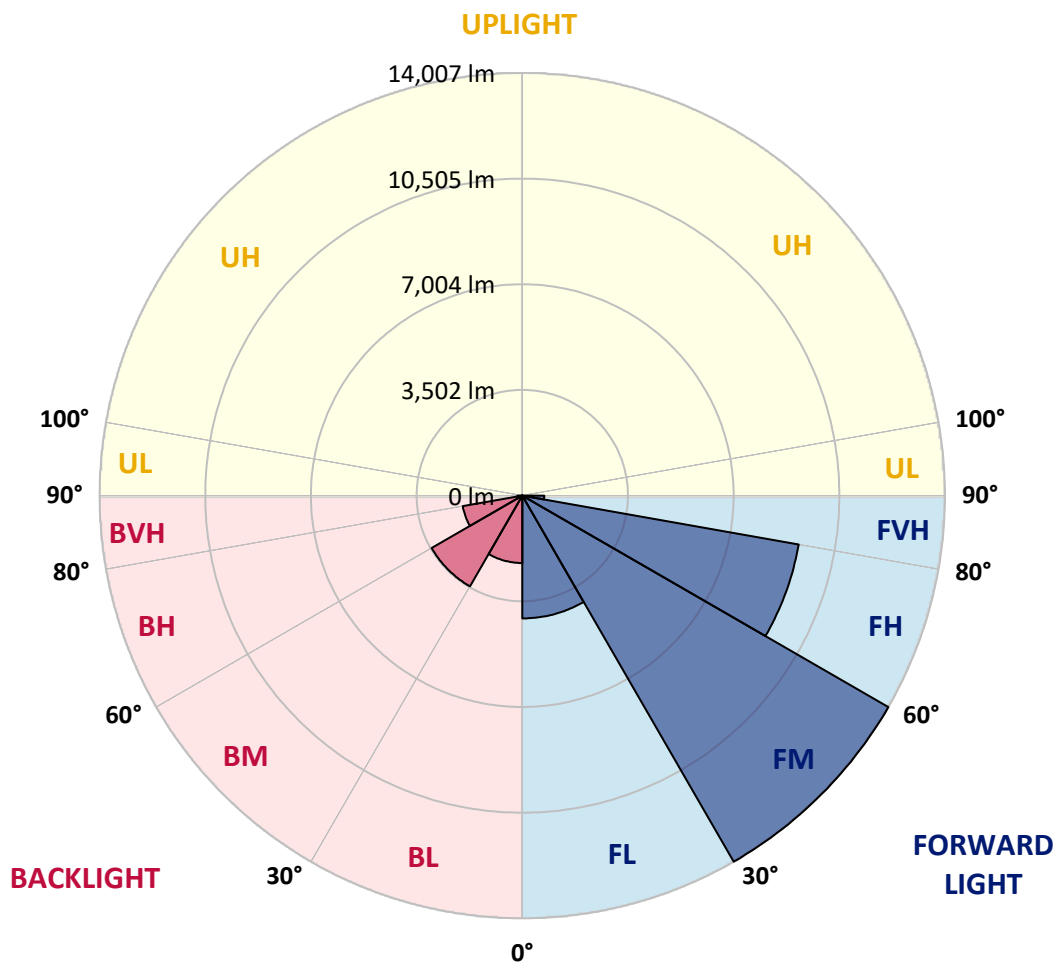
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4068.6	11.3			
FM	(30°-60°)	14007.1	38.9			
FH	(60°-80°)	9302.0	25.9			G4/12000
FVH	(80°-90°)	726.3	2.0			G4/750
BL	(0°-30°)	2233.2	6.2	B3/2500		
BM	(30°-60°)	3469.7	9.6	B3/5000		
BH	(60°-80°)	2003.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	162.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8
2.5°	10029.3	9991.4	9884.6	9604.5	9322.1	9034.9	8814.2	8538.9	8251.8	8097.5	7900.5
5°	10167.0	10124.3	9872.7	9241.4	8669.5	8069.0	7589.6	7169.6	6998.7	6747.1	6545.4
7.5°	9844.2	9825.2	9447.9	8541.3	7758.1	6972.6	6429.1	6092.1	5786.0	5672.1	5695.8
10°	9549.9	9474.0	9001.7	7817.5	6903.8	6265.4	5876.2	5546.3	5330.3	5273.3	5285.2
12.5°	9305.5	9203.4	8645.7	7330.9	6531.2	6020.9	5524.9	5180.8	4983.8	5038.4	5223.5
15°	9255.6	9118.0	8496.2	7164.8	6327.1	5669.7	5126.2	4729.9	4582.7	4701.4	4998.1
17.5°	9578.4	9405.2	8752.5	7219.4	6132.5	5311.3	4644.4	4191.1	4067.7	4257.6	4644.4
20°	10615.5	10359.2	9552.3	7535.0	6113.5	5133.3	4364.4	3908.7	3960.9	4321.7	4725.1
22.5°	12533.1	12148.6	10952.5	7995.5	6213.2	5088.2	4307.4	4070.1	4357.3	4663.4	4929.2
25°	12912.8	12611.4	11204.1	8099.9	6191.8	5057.4	4468.8	4587.5	4907.9	5059.8	4967.2
27.5°	13126.4	12782.3	11187.5	7582.5	5536.8	4587.5	4271.8	4468.8	4549.5	4402.4	4150.8
30°	13624.8	13266.4	11469.9	7039.0	4559.0	3403.2	2983.2	2902.5	2957.1	2985.5	2895.4
32.5°	14310.7	13957.0	12001.5	6683.1	3942.0	2814.7	2401.7	2287.8	2261.7	2230.8	2195.3
35°	15198.3	14654.8	12523.6	6455.2	3688.0	2603.4	2223.7	2135.9	2100.3	2057.6	2019.6
37.5°	16100.1	15530.5	13183.4	6215.5	3519.5	2456.3	2105.1	2064.7	2003.0	1957.9	1903.3
40°	17058.9	16420.5	13783.8	6006.7	3355.8	2361.4	2019.6	2014.9	1934.2	1882.0	1817.9
42.5°	17889.5	17232.1	14320.2	5878.5	3230.0	2261.7	1967.4	1981.7	1898.6	1820.3	1737.2
45°	18549.3	17903.7	14816.2	5878.5	3127.9	2162.0	1957.9	1948.4	1865.4	1768.1	1673.1
47.5°	19128.3	18461.5	15300.3	6028.0	3063.9	2079.0	1905.7	1922.3	1836.9	1713.5	1620.9
50°	19576.9	18988.3	15952.9	6260.6	2999.8	2012.5	1839.3	1929.4	1813.2	1685.0	1578.2
52.5°	20148.8	19622.0	16738.5	6578.6	2945.2	1938.9	1779.9	1929.4	1810.8	1687.4	1571.1
55°	20941.5	20386.2	17685.4	6842.1	2857.4	1870.1	1727.7	1874.9	1803.7	1675.5	1552.1
57.5°	21496.8	21081.5	18354.7	7017.7	2731.6	1782.3	1680.3	1822.7	1772.8	1630.4	1495.1
58°	21522.9	21117.1	18452.0	7058.0	2700.8	1765.7	1668.4	1798.9	1758.6	1611.4	1476.2
60°	21223.9	20875.0	18471.0	7001.1	2525.1	1682.6	1606.7	1701.6	1682.6	1499.9	1374.1
62.5°	20137.0	19764.4	17704.4	6538.3	2292.6	1580.6	1511.8	1571.1	1528.4	1343.3	1227.0
65°	18592.0	17906.1	16128.6	5812.1	2126.4	1471.4	1383.6	1388.3	1343.3	1210.4	1108.3
67.5°	16534.4	15767.8	13655.6	4898.4	2000.6	1350.4	1231.7	1219.8	1165.3	1079.8	996.8
70°	14002.1	13477.6	11097.3	3984.7	1860.6	1217.5	1060.8	1053.7	1020.5	956.4	882.8
72.5°	11348.8	10682.0	8961.4	3189.6	1689.7	1089.3	901.8	916.1	873.4	828.3	761.8
75°	8375.2	7938.5	6927.5	2558.4	1459.5	949.3	752.3	757.1	738.1	690.6	638.4
77.5°	5515.4	5384.9	4955.3	1680.3	1122.5	754.7	614.7	619.4	605.2	562.5	507.9
80°	3711.8	3623.9	3358.1	1082.2	749.9	545.8	474.6	479.4	477.0	431.9	358.4
82.5°	2287.8	2249.8	2164.4	731.0	519.7	391.6	313.3	327.5	353.6	303.8	244.4
85°	1079.8	1082.2	1307.7	398.7	306.1	251.6	170.9	182.7	182.7	182.7	137.6
87.5°	140.0	147.1	180.4	168.5	111.5	94.9	61.7	52.2	45.1	59.3	42.7
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°	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8
2.5°	7831.7	7784.2	7682.2	7658.5	7644.2	7684.6	7577.8	7606.2	7558.8	7691.7	7670.3
5°	6557.3	6562.0	6645.1	6699.7	6718.7	6699.7	6628.5	6505.1	6410.1	6372.2	6381.7
7.5°	5650.7	5733.8	5876.2	6035.2	6179.9	6222.6	6182.3	5947.3	5691.0	5529.7	5477.4
10°	5349.3	5460.8	5624.6	5750.4	5878.5	5980.6	6001.9	5819.2	5515.4	5133.3	4983.8
12.5°	5365.9	5517.8	5674.4	5714.8	5702.9	5743.2	5724.3	5693.4	5494.1	5007.5	4758.4
15°	5209.3	5389.6	5498.8	5477.4	5439.5	5403.9	5354.0	5275.7	5204.5	4862.8	4587.5
17.5°	4848.5	5033.6	5123.8	5131.0	5131.0	5121.5	5000.4	4971.9	4962.5	4796.3	4627.8
20°	4915.0	5017.0	4976.7	4910.2	4929.2	4993.3	4922.1	4907.9	4962.5	5036.0	5005.2
22.5°	4953.0	4917.4	4613.6	4319.3	4252.9	4452.2	4492.5	4651.6	4872.3	5138.1	5311.3
25°	4718.0	4430.8	3887.4	3555.1	3367.6	3552.7	3794.8	4089.1	4419.0	4760.7	4962.5
27.5°	3944.3	3726.0	3336.8	3037.8	2874.0	2902.5	3108.9	3377.1	3683.3	3913.5	4060.6
30°	2971.3	2874.0	2672.3	2570.2	2470.5	2446.8	2534.6	2636.7	2771.9	2800.4	2838.4
32.5°	2188.1	2173.9	2185.8	2152.5	2133.5	2131.2	2105.1	2128.8	2143.0	2159.7	2126.4
35°	1979.3	1960.3	1927.1	1917.6	1905.7	1910.5	1898.6	1886.7	1896.2	1910.5	1920.0
37.5°	1872.5	1844.0	1796.5	1779.9	1779.9	1787.1	1768.1	1763.3	1779.9	1825.0	1848.8
40°	1789.4	1756.2	1701.6	1680.3	1694.5	1713.5	1687.4	1677.9	1718.2	1765.7	1803.7
42.5°	1711.1	1685.0	1632.8	1609.1	1620.9	1656.5	1618.6	1611.4	1663.6	1715.9	1760.9
45°	1644.7	1618.6	1571.1	1559.2	1564.0	1597.2	1571.1	1571.1	1620.9	1677.9	1718.2
47.5°	1592.4	1559.2	1528.4	1518.9	1523.6	1542.6	1537.9	1537.9	1585.3	1644.7	1685.0
50°	1540.2	1511.8	1471.4	1476.2	1488.0	1514.1	1511.8	1518.9	1566.3	1639.9	1682.6
52.5°	1516.5	1473.8	1428.7	1433.4	1469.0	1499.9	1490.4	1497.5	1552.1	1689.7	1751.5
55°	1490.4	1433.4	1381.2	1388.3	1428.7	1473.8	1461.9	1471.4	1535.5	1723.0	1808.4
57.5°	1440.6	1374.1	1317.2	1321.9	1381.2	1428.7	1409.7	1421.6	1497.5	1687.4	1777.6
58°	1419.2	1362.2	1307.7	1310.0	1367.0	1419.2	1397.8	1407.3	1485.7	1677.9	1763.3
60°	1329.0	1295.8	1248.3	1250.7	1305.3	1350.4	1338.5	1348.0	1423.9	1609.1	1673.1
62.5°	1205.6	1186.6	1174.8	1174.8	1208.0	1250.7	1262.6	1274.4	1343.3	1454.8	1511.8
65°	1072.7	1072.7	1075.1	1075.1	1096.4	1151.0	1158.1	1189.0	1253.1	1307.7	1350.4
67.5°	982.5	977.8	982.5	970.7	980.1	1013.4	1049.0	1077.5	1143.9	1181.9	1196.1
70°	866.2	863.9	866.2	849.6	861.5	890.0	913.7	961.2	1030.0	1058.5	1065.6
72.5°	752.3	752.3	757.1	745.2	745.2	776.1	792.7	844.9	909.0	925.6	927.9
75°	633.7	640.8	640.8	624.2	628.9	647.9	669.3	712.0	771.3	783.2	783.2
77.5°	503.1	529.2	529.2	512.6	519.7	522.1	550.6	572.0	617.0	621.8	602.8
80°	365.5	391.6	412.9	398.7	410.6	396.3	412.9	427.2	472.3	450.9	420.1
82.5°	261.1	280.0	296.7	299.0	287.2	261.1	282.4	284.8	306.1	277.7	261.1
85°	144.8	161.4	182.7	173.2	154.3	137.6	144.8	149.5	147.1	140.0	130.5
87.5°	38.0	40.3	45.1	33.2	30.9	26.1	35.6	35.6	40.3	42.7	40.3
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°	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8
2.5°	7686.9	7791.4	8016.8	8187.7	8396.5	8650.5	8949.5	9250.9	9576.0	9678.1	9820.5
5°	6360.3	6621.3	6730.5	7041.4	7349.9	7812.7	8306.4	8878.3	9504.8	9806.2	10095.8
7.5°	5434.7	5574.7	5688.7	5916.5	6286.7	6849.2	7468.6	8182.9	9070.5	9509.6	9934.4
10°	4936.3	4950.6	5090.6	5373.0	5695.8	6191.8	6778.0	7577.8	8567.4	9101.4	9599.8
12.5°	4606.5	4544.8	4696.6	4990.9	5356.4	5814.4	6353.2	7115.0	8204.3	8752.5	9355.3
15°	4316.9	4219.6	4333.5	4634.9	4995.7	5534.4	6113.5	6920.4	8061.9	8700.3	9369.6
17.5°	4324.0	4055.9	4096.2	4350.2	4708.5	5256.7	5959.2	6913.3	8277.9	9013.6	9806.2
20°	4858.0	4428.5	4245.7	4293.2	4639.7	5237.7	6030.4	7245.5	8987.5	10060.2	10907.4
22.5°	5382.5	5123.8	4829.6	4732.2	4922.1	5548.6	6483.7	8031.1	10530.1	12146.3	13677.0
25°	5199.8	5420.5	5346.9	5209.3	5252.0	5771.7	6792.2	8676.6	11728.6	13548.8	14987.0
27.5°	4160.3	4561.4	4642.1	4639.7	4656.3	5083.5	6108.7	8242.3	11878.1	13817.0	15191.1
30°	2923.8	2959.4	3002.2	3085.2	3161.2	3543.3	4779.7	7236.0	11811.6	13938.1	15314.5
32.5°	2109.8	2157.3	2216.6	2330.5	2510.9	2997.4	4181.7	6915.6	12162.9	14438.8	15675.3
35°	1929.4	1984.0	2041.0	2171.5	2342.4	2793.3	3944.3	6782.7	12739.6	15250.5	16323.2
37.5°	1872.5	1934.2	1984.0	2079.0	2216.6	2646.2	3728.4	6692.5	13330.5	16109.6	17191.8
40°	1832.1	1903.3	1943.7	2019.6	2114.6	2510.9	3536.1	6621.3	13902.5	16895.1	17889.5
42.5°	1796.5	1870.1	1922.3	1976.9	2055.2	2389.9	3365.3	6550.2	14398.5	17656.9	18584.9
45°	1753.8	1846.4	1912.8	1955.6	2024.4	2287.8	3234.7	6493.2	14963.3	18333.3	19287.3
47.5°	1718.2	1820.3	1903.3	1953.2	1979.3	2216.6	3130.3	6571.5	15642.0	19040.5	19940.0
50°	1720.6	1817.9	1922.3	2000.6	1931.8	2157.3	3066.2	6882.4	16524.9	19880.7	20455.0
52.5°	1796.5	1915.2	1998.3	2017.3	1865.4	2086.1	3033.0	7425.9	17569.1	20623.5	20974.7
55°	1882.0	2005.4	2095.6	2083.7	1829.8	1995.9	3025.9	8004.9	18713.0	21489.7	21651.1
57.5°	1851.1	2031.5	2169.1	2107.4	1832.1	1908.1	2995.0	8472.5	19669.4	22137.6	22320.4
58°	1841.6	2022.0	2178.6	2102.7	1825.0	1882.0	2987.9	8512.8	19802.3	22182.7	22415.3
60°	1749.1	1938.9	2171.5	2067.1	1784.7	1810.8	2909.6	8643.4	19766.7	21950.1	22472.2
62.5°	1580.6	1737.2	2007.8	1893.8	1661.3	1715.9	2734.0	8482.0	18803.2	20830.0	21639.2
65°	1390.7	1507.0	1687.4	1666.0	1485.7	1618.6	2494.3	7843.6	16873.8	19012.1	19864.0
67.5°	1248.3	1343.3	1457.2	1426.3	1336.1	1488.0	2235.6	6763.7	14709.4	16828.7	17901.4
70°	1103.6	1177.1	1234.1	1212.7	1184.2	1359.9	2005.4	5489.3	12635.1	14754.5	15793.9
72.5°	956.4	1025.2	1072.7	1041.9	1025.2	1224.6	1817.9	4260.0	9979.5	12172.4	13508.5
75°	799.8	868.6	901.8	866.2	856.7	1079.8	1540.2	3182.5	7487.6	9383.8	10537.2
77.5°	619.4	693.0	735.7	723.8	728.6	887.6	1243.6	2178.6	5354.0	6395.9	7611.0
80°	434.3	515.0	543.5	531.6	564.8	676.4	878.1	1383.6	3692.8	4150.8	5007.5
82.5°	268.2	344.1	348.9	360.7	384.5	500.8	662.1	842.5	2318.7	2397.0	3018.8
85°	135.3	163.8	175.6	194.6	216.0	306.1	377.3	522.1	1492.8	1129.7	1687.4
87.5°	45.1	47.5	57.0	71.2	87.8	125.8	161.4	213.6	370.2	204.1	522.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8	9027.8
2.5°	10107.6	10309.4	10456.5	10591.8	10461.3	10449.4	10321.2	10114.8	10029.3	10029.3
5°	10703.3	11175.6	11557.7	11802.1	11697.7	11446.2	11030.8	10501.6	10216.8	10167.0
7.5°	10867.1	11799.8	12509.4	12760.9	12585.3	12030.0	11234.9	10342.6	9934.4	9844.2
10°	10767.4	11980.1	13022.0	13420.7	13176.2	12336.1	11251.5	10157.5	9654.4	9549.9
12.5°	10663.0	12003.9	13116.9	13693.6	13534.6	12582.9	11372.6	10036.4	9455.0	9305.5
15°	10738.9	12013.4	13000.6	13596.3	13698.4	12879.6	11571.9	10124.3	9414.7	9255.6
17.5°	11218.3	12193.7	12834.5	13316.3	13674.6	13283.0	12139.1	10544.3	9775.4	9578.4
20°	12219.8	12625.7	12929.4	13302.0	13878.7	14106.6	13299.7	11697.7	10788.8	10615.5
22.5°	15119.9	15046.4	14424.6	14417.5	15252.8	16166.5	16111.9	14042.5	12675.5	12533.1
25°	16206.9	15865.1	14965.7	14747.3	15115.2	16524.9	16320.8	14521.9	13259.3	12912.8
27.5°	15782.1	14934.8	14343.9	14294.0	14173.0	15504.4	15995.7	14716.5	13463.4	13126.4
30°	15756.0	14510.0	13665.1	13764.8	13881.1	15153.2	16176.0	15326.4	13985.5	13624.8
32.5°	15820.0	14569.3	13715.0	13734.0	14080.5	15205.4	16375.4	15990.9	14671.4	14310.7
35°	16078.7	14906.3	14033.0	13987.9	14529.0	15547.1	16714.8	17035.1	15608.8	15198.3
37.5°	16496.4	15578.0	14614.4	14602.6	15388.1	16164.2	17137.2	18088.9	16541.5	16100.1
40°	17111.1	16363.5	15649.2	15585.1	16555.7	17168.0	17685.4	19211.4	17626.1	17058.9
42.5°	17853.9	17305.7	17013.8	17267.7	18200.4	18295.3	18539.8	20248.5	18549.3	17889.5
45°	18542.2	18516.0	18921.9	19595.9	20139.3	19569.8	19432.1	20943.9	19266.0	18549.3
47.5°	19360.9	20068.1	21292.7	22280.0	22849.6	21053.0	20193.9	21397.2	19788.1	19128.3
50°	20191.6	21926.4	23881.9	25258.4	25379.5	22664.5	20718.4	21824.3	20262.8	19576.9
52.5°	21064.9	23409.7	26013.1	27612.7	27377.7	24067.1	21226.3	22113.9	20751.6	20148.8
55°	21824.3	24318.6	27204.5	28740.0	28395.9	24921.4	21774.5	22427.1	21449.4	20941.5
57.5°	22249.2	24394.6	26907.8	28248.7	27876.1	24755.3	22026.1	22659.7	21895.5	21496.8
58°	22310.9	24292.5	26644.4	27963.9	27584.2	24615.3	22023.7	22650.2	21924.0	21522.9
60°	22256.3	23630.4	25664.3	26839.0	26440.3	23737.2	21933.5	22472.2	21563.3	21223.9
62.5°	21750.8	22481.7	23972.1	24826.5	24712.6	22365.4	21563.3	21800.6	20464.5	20137.0
65°	21086.3	20915.4	21805.4	22410.5	22496.0	21337.8	21195.4	20348.2	19054.8	18592.0
67.5°	20279.4	19140.2	19137.8	19482.0	19624.3	19757.3	20428.9	18770.0	17023.3	16534.4
70°	18910.0	16403.9	15649.2	16055.0	15936.3	17058.9	19059.5	16553.4	14574.1	14002.1
72.5°	16399.1	13017.2	11809.3	12331.4	12032.3	13378.0	16676.8	13622.4	12051.3	11348.8
75°	13292.5	9737.4	8491.5	8970.9	8785.7	10148.0	13876.4	9894.1	8643.4	8375.2
77.5°	10321.2	7055.7	6331.8	6265.4	6403.0	7551.7	10178.8	6680.7	5698.2	5515.4
80°	6630.8	5050.3	5093.0	5007.5	5078.7	4760.7	6179.9	4262.3	3858.9	3711.8
82.5°	4364.4	3519.5	4195.9	3873.1	3678.5	3201.5	4053.5	2790.9	2368.5	2287.8
85°	2973.7	2591.6	2359.0	1803.7	2124.1	2465.8	3040.1	1502.3	1191.4	1079.8
87.5°	1343.3	901.8	662.1	408.2	645.5	745.2	1476.2	175.6	135.3	140.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)