

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: P458470

Luminaire Tested: **GALN-SA9D-827-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458470
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-SA9D-827-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 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: 44439 lumens
Efficiency: N/A
Efficacy: 80.5 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

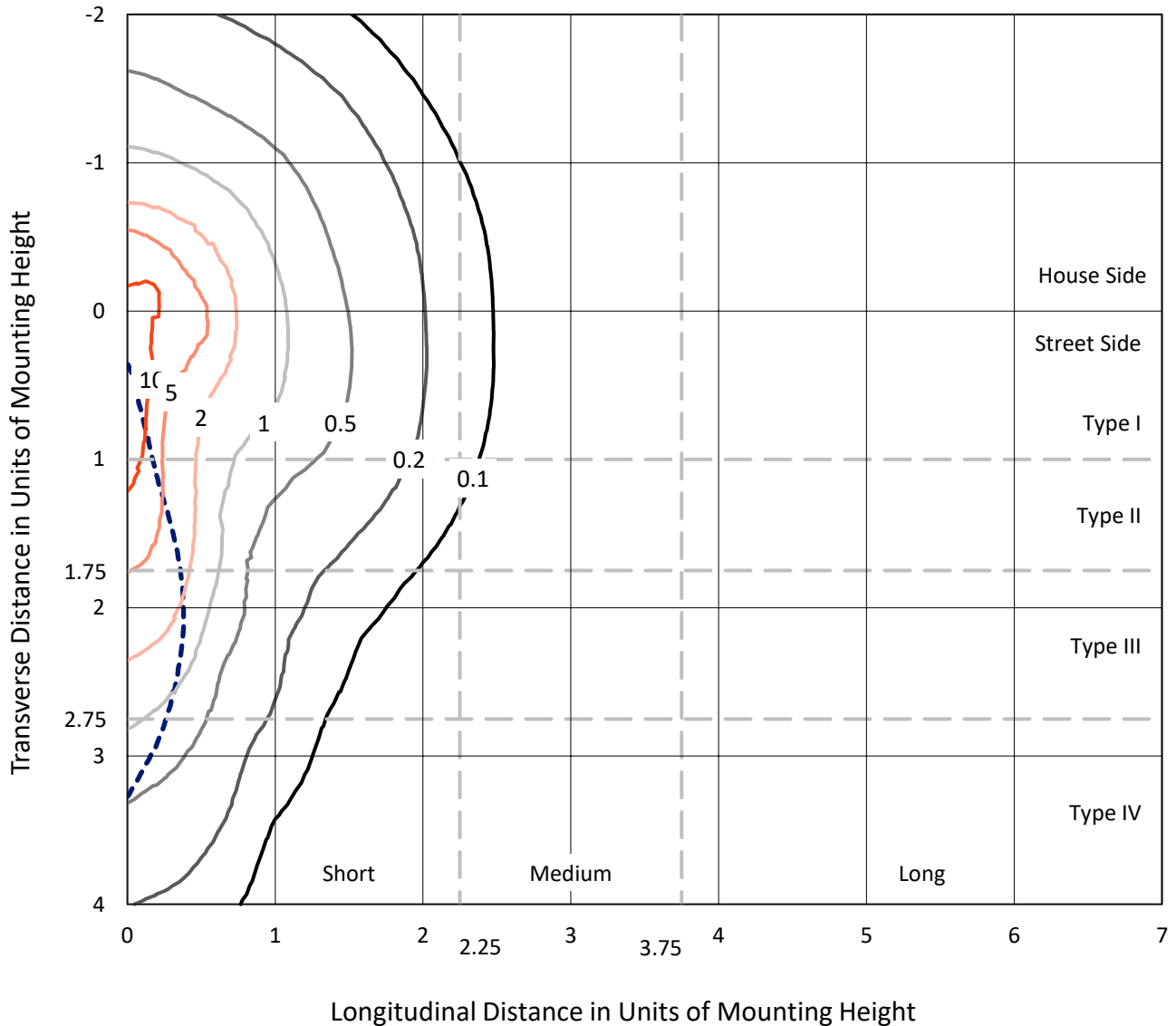
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

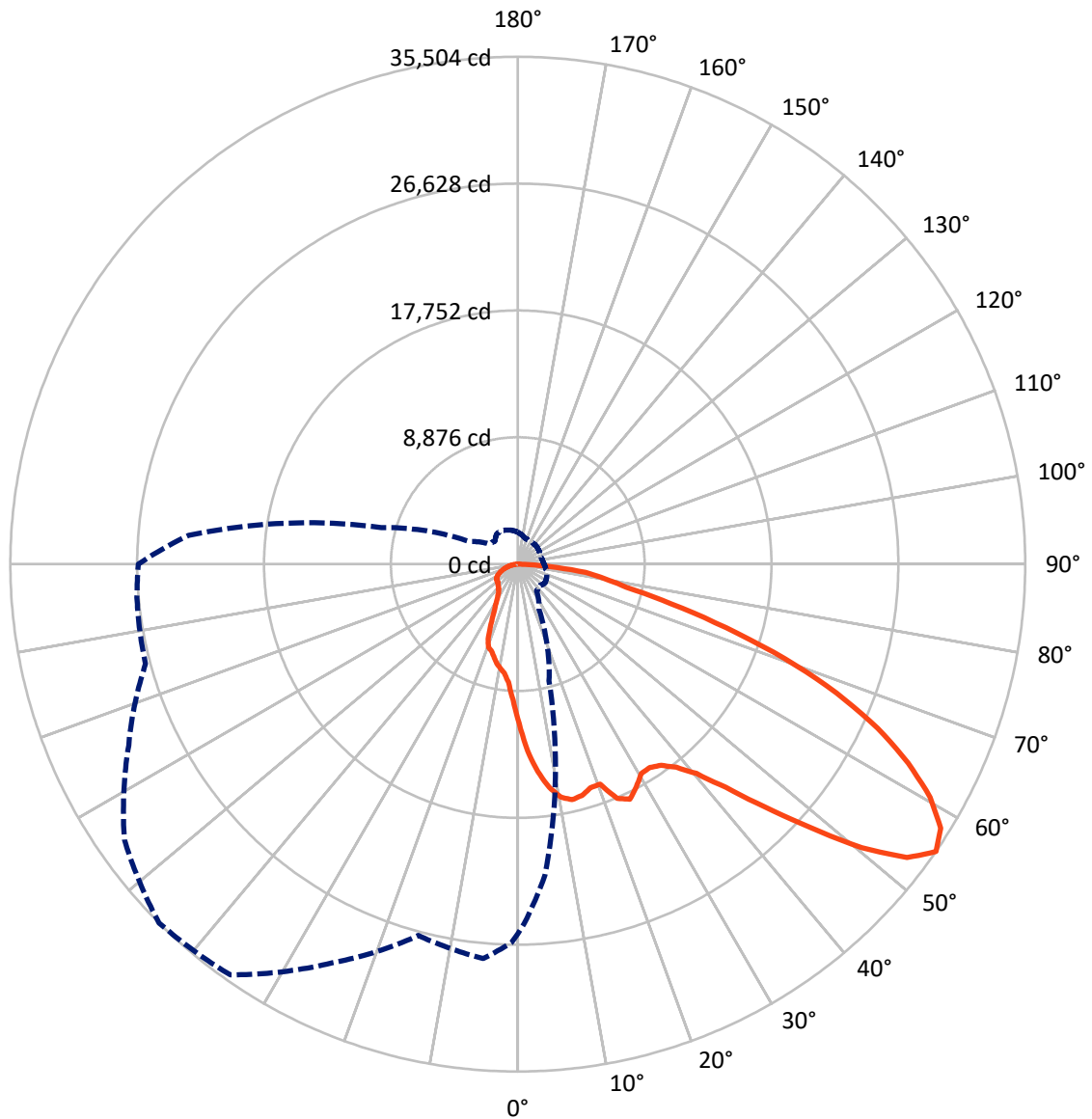
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 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	9720.8	0.0	9720.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	34718.2	0.0	34718.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	44439.0	0.0	44439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	945.2	2.1
10°-20°	2507.6	5.6
20°-30°	4332.1	9.7
30°-40°	5034.6	11.3
40°-50°	7024.2	15.8
50°-60°	9531.1	21.4
60°-70°	9067.7	20.4
70°-80°	4898.6	11.0
80°-90°	1097.9	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°	44439.0	100.0
0°-180°	44439.0	100.0

Coefficient of Utilization



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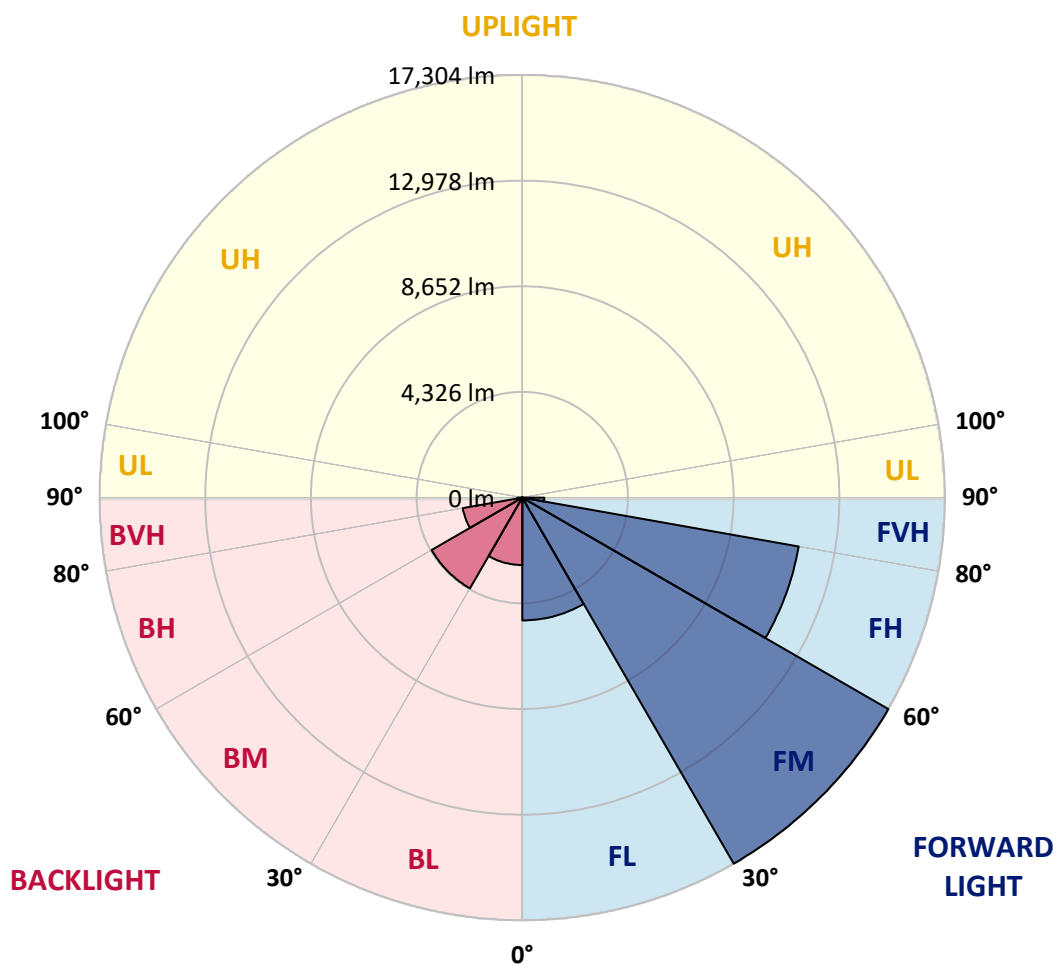
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5026.1	11.3			
FM	(30°-60°)	17303.6	38.9			
FH	(60°-80°)	11491.2	25.9			G4/12000
FVH	(80°-90°)	897.2	2.0			G5
BL	(0°-30°)	2758.8	6.2	B4/5000		
BM	(30°-60°)	4286.3	9.6	B3/5000		
BH	(60°-80°)	2475.2	5.6	B3/2500		G3/2500
BVH	(80°-90°)	200.6	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°	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5
2.5°	12389.7	12342.8	12210.8	11864.9	11516.0	11161.2	10888.6	10548.5	10193.8	10003.2	9759.9
5°	12559.7	12506.9	12196.2	11416.3	10709.8	9968.0	9375.8	8856.9	8645.8	8335.0	8085.8
7.5°	12161.0	12137.5	11671.4	10551.4	9584.0	8613.5	7942.2	7525.9	7147.7	7006.9	7036.2
10°	11797.4	11703.6	11120.2	9657.3	8528.5	7739.9	7259.1	6851.5	6584.8	6514.4	6529.1
12.5°	11495.5	11369.4	10680.4	9056.2	8068.2	7437.9	6825.2	6400.1	6156.7	6224.1	6452.8
15°	11433.9	11263.9	10495.7	8851.0	7816.1	7004.0	6332.6	5843.0	5661.2	5807.8	6174.3
17.5°	11832.6	11618.6	10812.4	8918.4	7575.7	6561.3	5737.5	5177.5	5025.1	5259.6	5737.5
20°	13113.8	12797.2	11800.4	9308.4	7552.2	6341.4	5391.5	4828.6	4893.1	5338.8	5837.2
22.5°	15482.7	15007.7	13530.1	9877.1	7675.4	6285.7	5321.2	5028.0	5382.7	5760.9	6089.3
25°	15951.8	15579.4	13840.9	10006.1	7649.0	6247.6	5520.5	5667.1	6062.9	6250.5	6136.2
27.5°	16215.6	15790.5	13820.4	9367.0	6839.8	5667.1	5277.2	5520.5	5620.2	5438.4	5127.7
30°	16831.3	16388.6	14169.2	8695.6	5631.9	4204.2	3685.2	3585.6	3653.0	3688.2	3576.8
32.5°	17678.6	17241.7	14826.0	8255.9	4869.7	3477.1	2967.0	2826.2	2794.0	2755.9	2711.9
35°	18775.1	18103.7	15471.0	7974.4	4556.0	3216.2	2747.1	2638.6	2594.6	2541.8	2494.9
37.5°	19889.1	19185.5	16286.0	7678.3	4347.8	3034.4	2600.5	2550.6	2474.4	2418.7	2351.3
40°	21073.6	20284.9	17027.7	7420.3	4145.5	2917.1	2494.9	2489.1	2389.4	2324.9	2245.7
42.5°	22099.7	21287.6	17690.3	7262.0	3990.1	2794.0	2430.4	2448.0	2345.4	2248.7	2146.1
45°	22914.7	22117.3	18303.0	7262.0	3864.1	2670.8	2418.7	2407.0	2304.4	2184.2	2066.9
47.5°	23630.1	22806.2	18901.1	7446.7	3784.9	2568.2	2354.2	2374.7	2269.2	2116.7	2002.4
50°	24184.2	23457.1	19707.4	7734.0	3705.8	2486.1	2272.1	2383.5	2239.9	2081.6	1949.6
52.5°	24890.7	24239.9	20677.8	8126.9	3638.3	2395.3	2198.8	2383.5	2236.9	2084.5	1940.8
55°	25869.9	25183.9	21847.6	8452.3	3529.9	2310.2	2134.3	2316.1	2228.1	2069.8	1917.4
57.5°	26556.0	26042.9	22674.3	8669.2	3374.5	2201.8	2075.7	2251.6	2190.0	2014.1	1847.0
58°	26588.2	26086.9	22794.5	8719.1	3336.4	2181.2	2061.0	2222.3	2172.4	1990.7	1823.6
60°	26218.8	25787.8	22818.0	8648.7	3119.4	2078.6	1984.8	2102.1	2078.6	1852.9	1697.5
62.5°	24876.1	24415.8	21871.0	8077.0	2832.1	1952.6	1867.5	1940.8	1888.1	1659.4	1515.7
65°	22967.5	22120.2	19924.3	7179.9	2626.9	1817.7	1709.2	1715.1	1659.4	1495.2	1369.1
67.5°	20425.6	19478.7	16869.4	6051.2	2471.5	1668.2	1521.6	1506.9	1439.5	1334.0	1231.3
70°	17297.4	16649.5	13709.0	4922.4	2298.5	1504.0	1310.5	1301.7	1260.7	1181.5	1090.6
72.5°	14019.7	13195.9	11070.4	3940.3	2087.4	1345.7	1114.1	1131.7	1078.9	1023.2	941.1
75°	10346.2	9806.8	8557.8	3160.4	1803.0	1172.7	929.4	935.2	911.8	853.1	788.6
77.5°	6813.4	6652.2	6121.5	2075.7	1386.7	932.3	759.3	765.2	747.6	694.8	627.4
80°	4585.3	4476.8	4148.5	1336.9	926.4	674.3	586.4	592.2	589.3	533.6	442.7
82.5°	2826.2	2779.3	2673.8	903.0	642.1	483.7	387.0	404.6	436.8	375.3	302.0
85°	1334.0	1336.9	1615.4	492.5	378.2	310.8	211.1	225.7	225.7	225.7	170.0
87.5°	173.0	181.8	222.8	208.2	137.8	117.3	76.2	64.5	55.7	73.3	52.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5
2.5°	9674.8	9616.2	9490.1	9460.8	9443.2	9493.1	9361.1	9396.3	9337.7	9501.9	9475.5
5°	8100.5	8106.3	8209.0	8276.4	8299.8	8276.4	8188.4	8036.0	7918.7	7871.8	7883.5
7.5°	6980.5	7083.2	7259.1	7455.5	7634.3	7687.1	7637.3	7347.0	7030.4	6831.0	6766.5
10°	6608.2	6746.0	6948.3	7103.7	7262.0	7388.1	7414.4	7188.7	6813.4	6341.4	6156.7
12.5°	6628.7	6816.4	7009.9	7059.7	7045.0	7094.9	7071.4	7033.3	6787.0	6186.0	5878.2
15°	6435.2	6658.0	6792.9	6766.5	6719.6	6675.6	6614.1	6517.3	6429.4	6007.2	5667.1
17.5°	5989.6	6218.3	6329.7	6338.5	6338.5	6326.8	6177.2	6142.1	6130.3	5925.1	5717.0
20°	6071.7	6197.8	6147.9	6065.8	6089.3	6168.4	6080.5	6062.9	6130.3	6221.2	6183.1
22.5°	6118.6	6074.6	5699.4	5335.8	5253.7	5500.0	5549.8	5746.3	6018.9	6347.3	6561.3
25°	5828.4	5473.6	4802.2	4391.8	4160.2	4388.9	4687.9	5051.4	5459.0	5881.1	6130.3
27.5°	4872.6	4602.9	4122.1	3752.7	3550.4	3585.6	3840.6	4171.9	4550.1	4834.5	5016.3
30°	3670.6	3550.4	3301.2	3175.1	3052.0	3022.7	3131.1	3257.2	3424.3	3459.5	3506.4
32.5°	2703.1	2685.5	2700.2	2659.1	2635.7	2632.7	2600.5	2629.8	2647.4	2667.9	2626.9
35°	2445.1	2421.6	2380.6	2368.9	2354.2	2360.1	2345.4	2330.8	2342.5	2360.1	2371.8
37.5°	2313.2	2278.0	2219.3	2198.8	2198.8	2207.6	2184.2	2178.3	2198.8	2254.5	2283.8
40°	2210.6	2169.5	2102.1	2075.7	2093.3	2116.7	2084.5	2072.8	2122.6	2181.2	2228.1
42.5°	2113.8	2081.6	2017.1	1987.7	2002.4	2046.4	1999.5	1990.7	2055.2	2119.7	2175.4
45°	2031.7	1999.5	1940.8	1926.2	1932.0	1973.1	1940.8	1940.8	2002.4	2072.8	2122.6
47.5°	1967.2	1926.2	1888.1	1876.3	1882.2	1905.7	1899.8	1899.8	1958.4	2031.7	2081.6
50°	1902.7	1867.5	1817.7	1823.6	1838.2	1870.5	1867.5	1876.3	1935.0	2025.9	2078.6
52.5°	1873.4	1820.6	1764.9	1770.8	1814.8	1852.9	1841.2	1849.9	1917.4	2087.4	2163.6
55°	1841.2	1770.8	1706.3	1715.1	1764.9	1820.6	1806.0	1817.7	1896.9	2128.5	2234.0
57.5°	1779.6	1697.5	1627.1	1633.0	1706.3	1764.9	1741.5	1756.1	1849.9	2084.5	2195.9
58°	1753.2	1682.8	1615.4	1618.3	1688.7	1753.2	1726.8	1738.5	1835.3	2072.8	2178.3
60°	1641.8	1600.7	1542.1	1545.0	1612.5	1668.2	1653.5	1665.2	1759.1	1987.7	2066.9
62.5°	1489.3	1465.9	1451.2	1451.2	1492.3	1545.0	1559.7	1574.4	1659.4	1797.2	1867.5
65°	1325.2	1325.2	1328.1	1328.1	1354.5	1421.9	1430.7	1468.8	1548.0	1615.4	1668.2
67.5°	1213.8	1207.9	1213.8	1199.1	1210.8	1251.9	1295.8	1331.0	1413.1	1460.0	1477.6
70°	1070.1	1067.2	1070.1	1049.6	1064.2	1099.4	1128.7	1187.4	1272.4	1307.6	1316.4
72.5°	929.4	929.4	935.2	920.6	920.6	958.7	979.2	1043.7	1122.9	1143.4	1146.3
75°	782.8	791.6	791.6	771.1	776.9	800.4	826.8	879.5	952.8	967.5	967.5
77.5°	621.5	653.8	653.8	633.3	642.1	645.0	680.2	706.6	762.3	768.1	744.7
80°	451.5	483.7	510.1	492.5	507.2	489.6	510.1	527.7	583.4	557.0	518.9
82.5°	322.5	345.9	366.5	369.4	354.7	322.5	348.9	351.8	378.2	343.0	322.5
85°	178.8	199.4	225.7	214.0	190.6	170.0	178.8	184.7	181.8	173.0	161.2
87.5°	46.9	49.8	55.7	41.0	38.1	32.2	44.0	44.0	49.8	52.8	49.8
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°	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5
2.5°	9496.0	9625.0	9903.5	10114.6	10372.6	10686.3	11055.7	11428.0	11829.7	11955.8	12131.7
5°	7857.1	8179.6	8314.5	8698.6	9079.7	9651.4	10261.2	10967.8	11741.7	12114.1	12471.7
7.5°	6713.8	6886.7	7027.5	7308.9	7766.3	8461.1	9226.3	10108.7	11205.2	11747.6	12272.4
10°	6098.1	6115.7	6288.6	6637.5	7036.2	7649.0	8373.1	9361.1	10583.7	11243.3	11859.0
12.5°	5690.6	5614.3	5802.0	6165.5	6617.0	7182.8	7848.3	8789.4	10135.1	10812.4	11557.0
15°	5332.9	5212.7	5353.4	5725.7	6171.4	6836.9	7552.2	8549.0	9959.2	10747.9	11574.6
17.5°	5341.7	5010.4	5060.2	5373.9	5816.6	6493.9	7361.7	8540.2	10226.0	11134.9	12114.1
20°	6001.3	5470.7	5244.9	5303.6	5731.6	6470.4	7449.6	8950.7	11102.6	12427.8	13474.4
22.5°	6649.3	6329.7	5966.2	5845.9	6080.5	6854.5	8009.6	9921.1	13008.3	15004.8	16895.8
25°	6423.5	6696.2	6605.3	6435.2	6488.0	7130.1	8390.7	10718.6	14488.8	16737.5	18514.1
27.5°	5139.4	5634.9	5734.5	5731.6	5752.1	6279.9	7546.4	10182.0	14673.5	17068.8	18766.3
30°	3611.9	3655.9	3708.7	3811.3	3905.1	4377.1	5904.6	8939.0	14591.4	17218.3	18918.7
32.5°	2606.3	2665.0	2738.3	2879.0	3101.8	3702.8	5165.8	8543.2	15025.3	17836.9	19364.3
35°	2383.5	2451.0	2521.3	2682.6	2893.7	3450.7	4872.6	8379.0	15737.7	18839.6	20164.7
37.5°	2313.2	2389.4	2451.0	2568.2	2738.3	3268.9	4605.8	8267.6	16467.8	19900.9	21237.7
40°	2263.3	2351.3	2401.1	2494.9	2612.2	3101.8	4368.3	8179.6	17174.3	20871.3	22099.7
42.5°	2219.3	2310.2	2374.7	2442.2	2538.9	2952.3	4157.2	8091.7	17787.0	21812.4	22958.7
45°	2166.6	2280.9	2363.0	2415.8	2500.8	2826.2	3996.0	8021.3	18484.8	22647.9	23826.5
47.5°	2122.6	2248.7	2351.3	2412.8	2445.1	2738.3	3867.0	8118.1	19323.3	23521.6	24632.7
50°	2125.5	2245.7	2374.7	2471.5	2386.5	2665.0	3787.8	8502.1	20413.9	24559.4	25268.9
52.5°	2219.3	2365.9	2468.6	2492.0	2304.4	2577.0	3746.8	9173.5	21703.9	25477.1	25911.0
55°	2324.9	2477.3	2588.8	2574.1	2260.4	2465.6	3738.0	9888.9	23117.0	26547.2	26746.5
57.5°	2286.8	2509.6	2679.6	2603.4	2263.3	2357.1	3699.9	10466.4	24298.5	27347.6	27573.3
58°	2275.1	2497.9	2691.4	2597.5	2254.5	2324.9	3691.1	10516.3	24462.7	27403.3	27690.6
60°	2160.7	2395.3	2682.6	2553.6	2204.7	2236.9	3594.4	10677.5	24418.7	27115.9	27760.9
62.5°	1952.6	2146.1	2480.3	2339.6	2052.2	2119.7	3377.4	10478.1	23228.4	25732.1	26731.9
65°	1718.0	1861.7	2084.5	2058.1	1835.3	1999.5	3081.3	9689.5	20844.9	23486.4	24538.9
67.5°	1542.1	1659.4	1800.1	1762.0	1650.6	1838.2	2761.7	8355.5	18171.1	20789.2	22114.3
70°	1363.3	1454.2	1524.5	1498.1	1463.0	1679.9	2477.3	6781.2	15608.7	18226.8	19510.9
72.5°	1181.5	1266.5	1325.2	1287.0	1266.5	1512.8	2245.7	5262.5	12328.1	15037.0	16687.6
75°	988.0	1073.0	1114.1	1070.1	1058.4	1334.0	1902.7	3931.5	9249.7	11592.2	13017.1
77.5°	765.2	856.1	908.8	894.2	900.1	1096.5	1536.2	2691.4	6614.1	7901.1	9402.2
80°	536.5	636.2	671.4	656.7	697.8	835.6	1084.8	1709.2	4561.8	5127.7	6186.0
82.5°	331.3	425.1	431.0	445.6	474.9	618.6	818.0	1040.8	2864.3	2961.1	3729.2
85°	167.1	202.3	217.0	240.4	266.8	378.2	466.2	645.0	1844.1	1395.5	2084.5
87.5°	55.7	58.6	70.4	88.0	108.5	155.4	199.4	263.9	457.4	252.1	645.0
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°	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5	11152.5
2.5°	12486.4	12735.6	12917.4	13084.5	12923.2	12908.6	12750.3	12495.2	12389.7	12389.7
5°	13222.3	13805.7	14277.7	14579.7	14450.7	14139.9	13626.9	12973.1	12621.3	12559.7
7.5°	13424.6	14576.8	15453.4	15764.1	15547.2	14861.1	13879.0	12776.7	12272.4	12161.0
10°	13301.4	14799.6	16086.6	16579.2	16277.2	15239.3	13899.5	12548.0	11926.4	11797.4
12.5°	13172.4	14828.9	16203.9	16916.3	16719.9	15544.2	14049.0	12398.5	11680.2	11495.5
15°	13266.3	14840.6	16060.2	16796.1	16922.2	15910.7	14295.3	12506.9	11630.3	11433.9
17.5°	13858.5	15063.4	15855.0	16450.2	16892.9	16409.1	14996.0	13025.9	12076.0	11832.6
20°	15095.7	15597.0	15972.3	16432.6	17145.0	17426.4	16429.6	14450.7	13327.8	13113.8
22.5°	18678.3	18587.4	17819.3	17810.5	18842.5	19971.2	19903.8	17347.3	15658.6	15482.7
25°	20021.1	19598.9	18487.7	18218.0	18672.4	20413.9	20161.8	17939.5	16379.8	15951.8
27.5°	19496.3	18449.6	17719.6	17658.1	17508.5	19153.3	19760.1	18179.9	16631.9	16215.6
30°	19464.0	17924.8	16881.1	17004.3	17147.9	18719.4	19982.9	18933.4	17276.9	16831.3
32.5°	19543.2	17998.1	16942.7	16966.2	17394.2	18783.9	20229.2	19754.3	18124.2	17678.6
35°	19862.7	18414.4	17335.6	17279.9	17948.3	19206.0	20648.5	21044.2	19282.3	18775.1
37.5°	20378.7	19244.1	18053.8	18039.2	19009.6	19968.3	21170.3	22346.0	20434.4	19889.1
40°	21138.1	20214.6	19332.1	19252.9	20452.0	21208.4	21847.6	23732.7	21774.3	21073.6
42.5°	22055.7	21378.5	21017.9	21331.6	22483.7	22601.0	22903.0	25013.9	22914.7	22099.7
45°	22905.9	22873.7	23375.0	24207.6	24879.0	24175.4	24005.3	25872.9	23800.1	22914.7
47.5°	23917.4	24791.0	26303.8	27523.5	28227.1	26007.7	24946.4	26432.8	24445.1	23630.1
50°	24943.5	27086.6	29502.4	31202.8	31352.3	27998.4	25594.4	26960.6	25031.5	24184.2
52.5°	26022.4	28919.0	32135.1	34111.1	33820.9	29731.1	26221.8	27318.2	25635.4	24890.7
55°	26960.6	30041.8	33606.9	35503.7	35078.6	30786.5	26899.0	27705.2	26497.3	25869.9
57.5°	27485.3	30135.7	33240.4	34896.9	34436.6	30581.3	27209.8	27992.5	27048.5	26556.0
58°	27561.6	30009.6	32915.0	34545.0	34076.0	30408.3	27206.8	27980.8	27083.7	26588.2
60°	27494.1	29191.6	31704.2	33155.4	32662.8	29323.6	27095.4	27760.9	26638.1	26218.8
62.5°	26869.7	27772.7	29613.8	30669.2	30528.5	27629.0	26638.1	26931.2	25280.7	24876.1
65°	26048.8	25837.7	26937.1	27684.7	27790.2	26359.5	26183.6	25137.0	23539.2	22967.5
67.5°	25052.0	23644.7	23641.8	24066.9	24242.8	24407.0	25236.7	23187.4	21029.6	20425.6
70°	23360.3	20264.4	19332.1	19833.4	19686.8	21073.6	23545.0	20449.1	18004.0	17297.4
72.5°	20258.5	16080.8	14588.5	15233.5	14864.1	16526.4	20601.5	16828.4	14887.5	14019.7
75°	16420.8	12029.1	10489.9	11082.1	10853.4	12536.2	17142.1	12222.5	10677.5	10346.2
77.5°	12750.3	8716.2	7822.0	7739.9	7909.9	9328.9	12574.4	8252.9	7039.2	6813.4
80°	8191.4	6238.8	6291.6	6186.0	6274.0	5881.1	7634.3	5265.5	4767.1	4585.3
82.5°	5391.5	4347.8	5183.4	4784.6	4544.2	3955.0	5007.5	3447.8	2925.9	2826.2
85°	3673.5	3201.5	2914.2	2228.1	2623.9	3046.1	3755.6	1855.8	1471.7	1334.0
87.5°	1659.4	1114.1	818.0	504.3	797.4	920.6	1823.6	217.0	167.1	173.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)