

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: P457919

Luminaire Tested: **GALN-SA9B-740-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457919
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-SA9B-740-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 800mA 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: 44465 lumens
Efficiency: N/A
Efficacy: 122.2 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

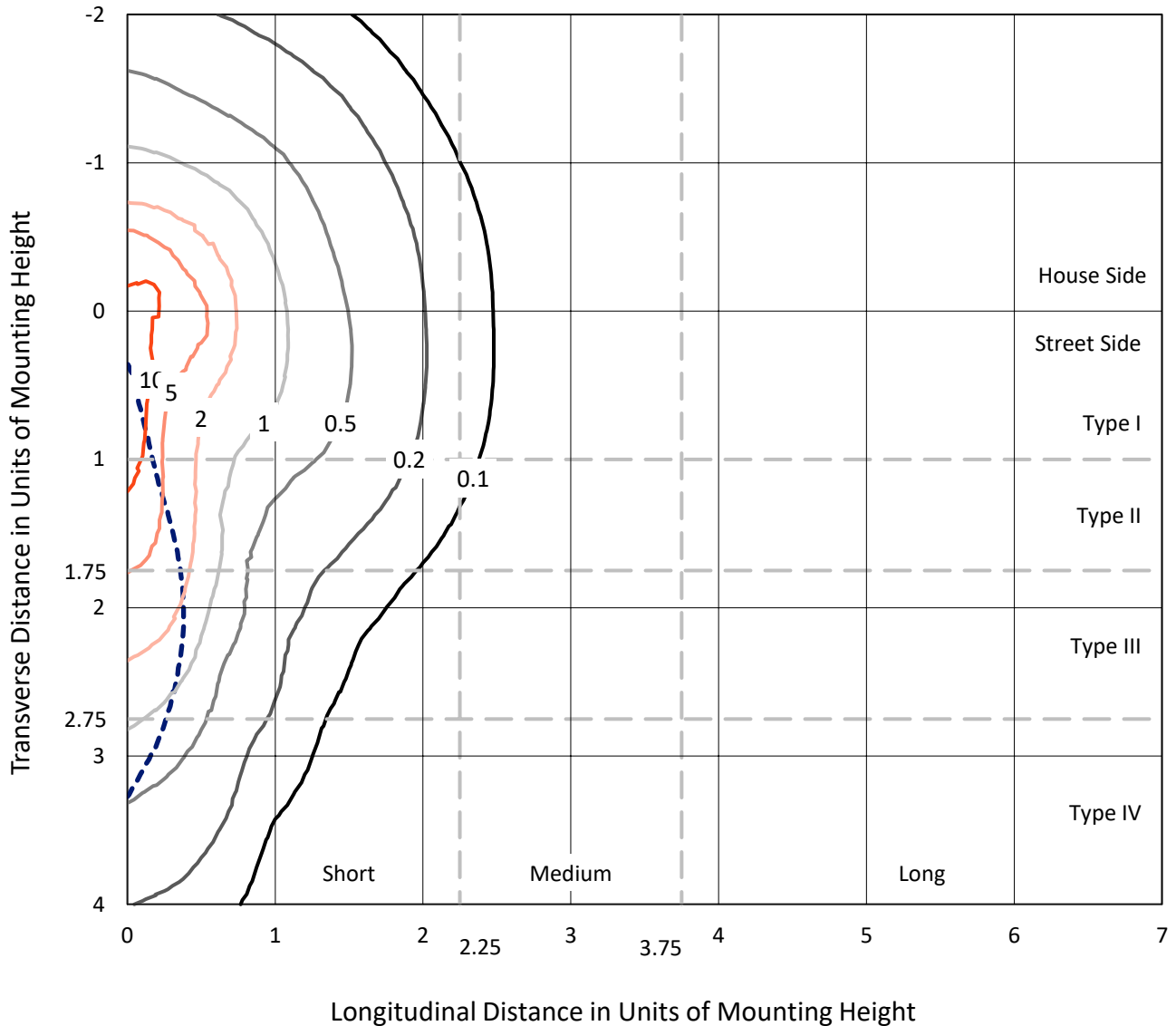
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

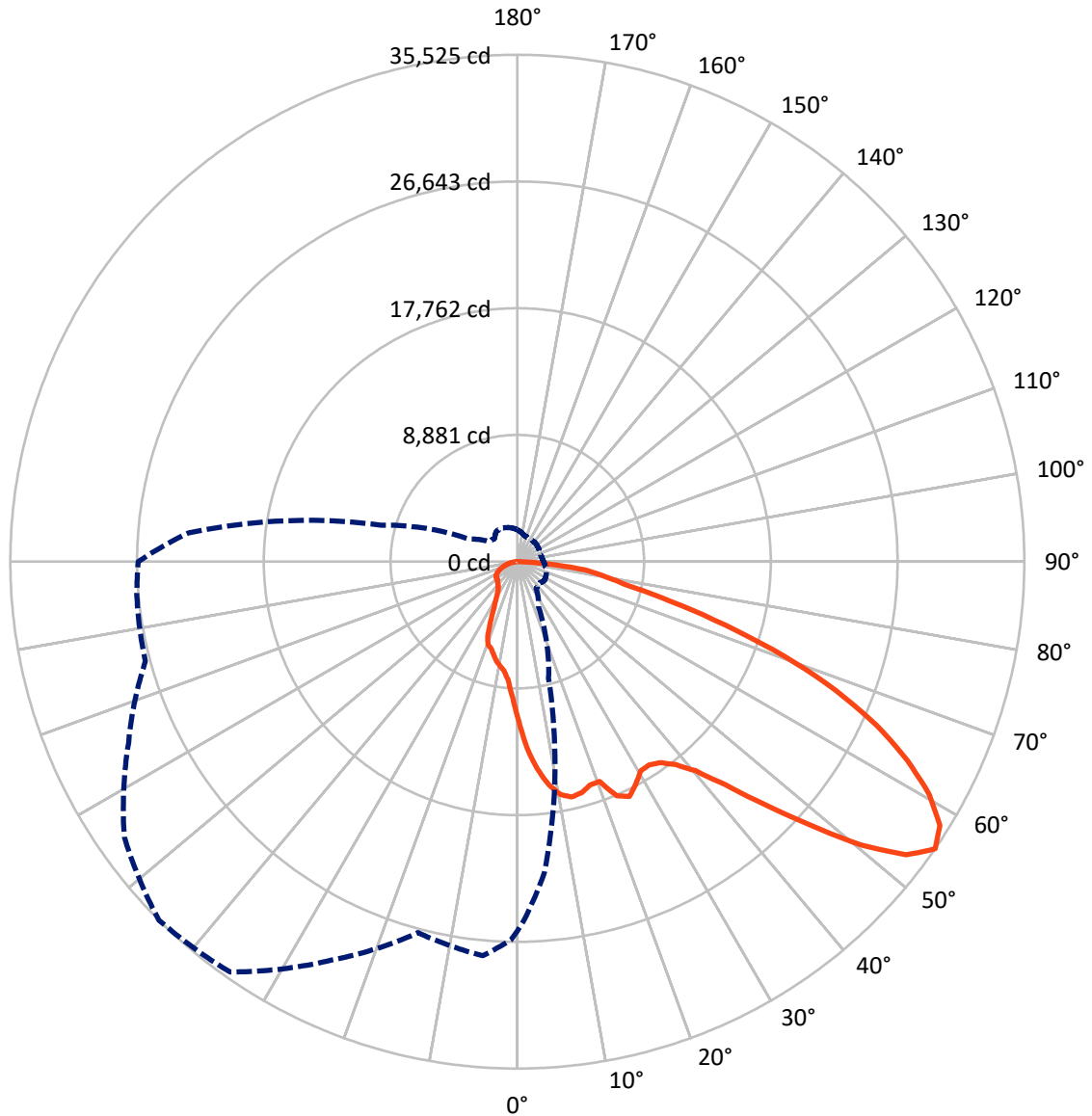
× Max cd
 - - - 1/2 Max cd



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	9726.5	0.0	9726.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	34738.5	0.0	34738.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	44465.0	0.0	44465.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	945.8	2.1
10°-20°	2509.1	5.6
20°-30°	4334.6	9.7
30°-40°	5037.5	11.3
40°-50°	7028.3	15.8
50°-60°	9536.7	21.4
60°-70°	9073.0	20.4
70°-80°	4901.5	11.0
80°-90°	1098.5	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°	44465.0	100.0
0°-180°	44465.0	100.0



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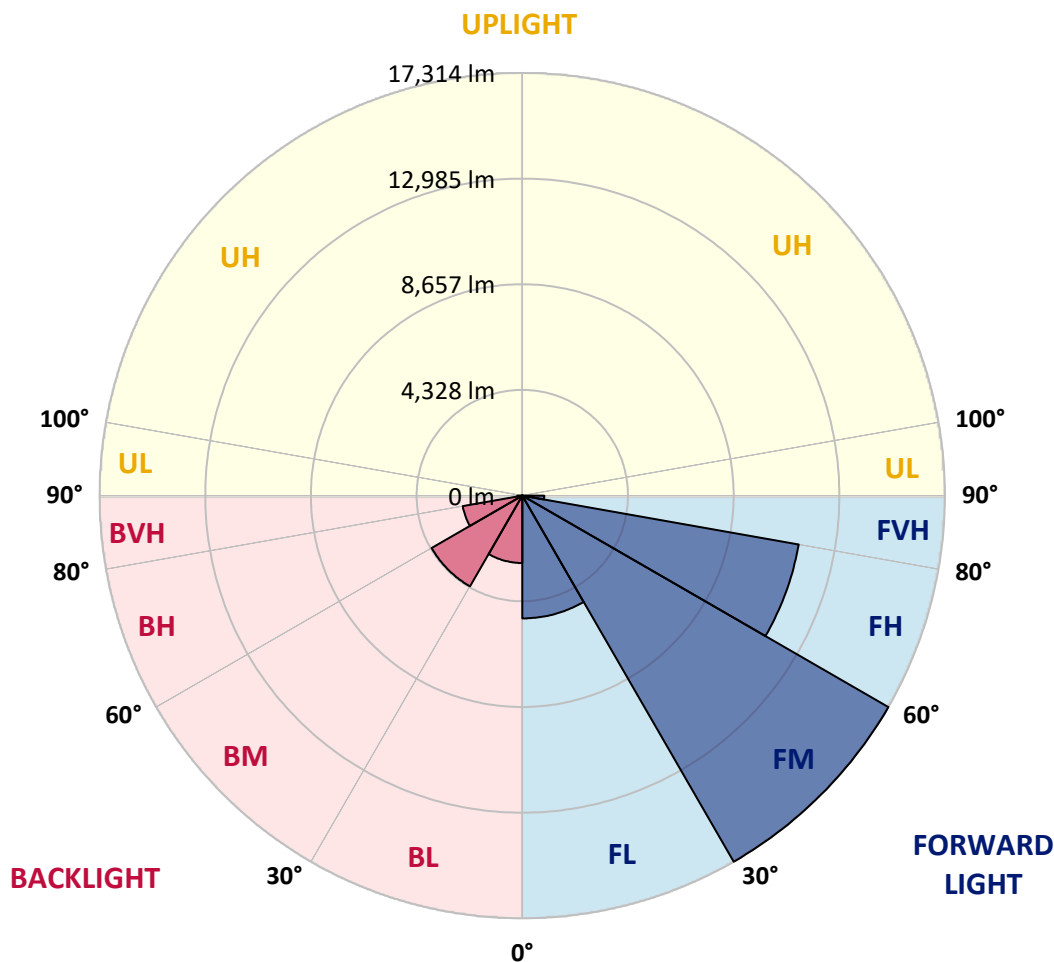
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5029.1	11.3			
FM	(30°-60°)	17313.7	38.9			
FH	(60°-80°)	11497.9	25.9			G4/12000
FVH	(80°-90°)	897.8	2.0			G5
BL	(0°-30°)	2760.4	6.2	B4/5000		
BM	(30°-60°)	4288.8	9.6	B3/5000		
BH	(60°-80°)	2476.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	200.7	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°	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0
2.5°	12396.9	12350.0	12218.0	11871.8	11522.7	11167.8	10895.0	10554.7	10199.7	10009.1	9765.6
5°	12567.1	12514.2	12203.3	11423.0	10716.0	9973.9	9381.3	8862.1	8650.8	8339.9	8090.6
7.5°	12168.1	12144.6	11678.2	10557.6	9589.6	8618.6	7946.8	7530.3	7151.8	7011.0	7040.4
10°	11804.3	11710.5	11126.7	9662.9	8533.5	7744.4	7263.3	6855.6	6588.6	6518.2	6532.9
12.5°	11502.2	11376.1	10686.7	9061.5	8073.0	7442.3	6829.2	6403.8	6160.3	6227.8	6456.6
15°	11440.6	11270.5	10501.9	8856.2	7820.7	7008.1	6336.3	5846.4	5664.6	5811.2	6177.9
17.5°	11839.5	11625.4	10818.7	8923.7	7580.1	6565.1	5740.8	5180.5	5028.0	5262.7	5740.8
20°	13121.5	12804.7	11807.3	9313.8	7556.7	6345.1	5394.7	4831.5	4896.0	5341.9	5840.6
22.5°	15491.7	15016.5	13538.0	9882.9	7679.9	6289.4	5324.3	5030.9	5385.9	5764.3	6092.8
25°	15961.1	15588.5	13849.0	10012.0	7653.5	6251.3	5523.8	5670.4	6066.4	6254.2	6139.8
27.5°	16225.1	15799.8	13828.4	9372.5	6843.8	5670.4	5280.3	5523.8	5623.5	5441.6	5130.7
30°	16841.1	16398.2	14177.5	8700.7	5635.2	4206.6	3687.4	3587.7	3655.1	3690.3	3578.9
32.5°	17688.9	17251.8	14834.6	8260.7	4872.5	3479.1	2968.7	2827.9	2795.6	2757.5	2713.5
35°	18786.0	18114.3	15480.0	7979.1	4558.6	3218.0	2748.7	2640.1	2596.1	2543.3	2496.4
37.5°	19900.8	19196.7	16295.5	7682.8	4350.4	3036.2	2602.0	2552.1	2475.9	2420.1	2352.7
40°	21085.9	20296.8	17037.7	7424.7	4147.9	2918.8	2496.4	2490.5	2390.8	2326.3	2247.0
42.5°	22112.6	21300.0	17700.7	7266.2	3992.5	2795.6	2431.9	2449.5	2346.8	2250.0	2147.3
45°	22928.1	22130.2	18313.7	7266.2	3866.3	2672.4	2420.1	2408.4	2305.7	2185.4	2068.1
47.5°	23643.9	22819.6	18912.2	7451.1	3787.1	2569.7	2355.6	2376.1	2270.5	2118.0	2003.6
50°	24198.3	23470.8	19718.9	7738.5	3707.9	2487.6	2273.5	2384.9	2241.2	2082.8	1950.8
52.5°	24905.3	24254.1	20689.9	8131.6	3640.5	2396.7	2200.1	2384.9	2238.2	2085.7	1942.0
55°	25885.1	25198.6	21860.3	8457.2	3531.9	2311.6	2135.6	2317.5	2229.4	2071.0	1918.5
57.5°	26571.5	26058.1	22687.6	8674.3	3376.4	2203.0	2076.9	2252.9	2191.3	2015.3	1848.1
58°	26603.8	26102.2	22807.8	8724.2	3338.3	2182.5	2062.2	2223.6	2173.7	1991.8	1824.6
60°	26234.2	25802.9	22831.3	8653.8	3121.2	2079.8	1986.0	2103.3	2079.8	1854.0	1698.5
62.5°	24890.6	24430.1	21883.8	8081.8	2833.7	1953.7	1868.6	1942.0	1889.2	1660.4	1516.6
65°	22980.9	22133.1	19936.0	7184.1	2628.4	1818.8	1710.2	1716.1	1660.4	1496.1	1369.9
67.5°	20437.6	19490.1	16879.3	6054.7	2472.9	1669.2	1522.5	1507.8	1440.3	1334.7	1232.1
70°	17307.6	16659.3	13717.0	4925.3	2299.9	1504.9	1311.3	1302.5	1261.4	1182.2	1091.3
72.5°	14027.9	13203.6	11076.8	3942.6	2088.6	1346.5	1114.7	1132.3	1079.5	1023.8	941.6
75°	10352.3	9812.5	8562.8	3162.3	1804.1	1173.4	929.9	935.8	912.3	853.6	789.1
77.5°	6817.4	6656.1	6125.1	2076.9	1387.5	932.8	759.8	765.6	748.0	695.2	627.8
80°	4588.0	4479.4	4150.9	1337.7	927.0	674.7	586.7	592.6	589.6	533.9	443.0
82.5°	2827.9	2780.9	2675.3	903.5	642.4	484.0	387.2	404.8	437.1	375.5	302.1
85°	1334.7	1337.7	1616.4	492.8	378.4	310.9	211.2	225.9	225.9	225.9	170.1
87.5°	173.1	181.9	222.9	208.3	137.9	117.3	76.3	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°	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0
2.5°	9680.5	9621.8	9495.7	9466.4	9448.8	9498.6	9366.6	9401.8	9343.2	9507.4	9481.0
5°	8105.2	8111.1	8213.8	8281.2	8304.7	8281.2	8193.2	8040.7	7923.3	7876.4	7888.1
7.5°	6984.6	7087.3	7263.3	7459.9	7638.8	7691.6	7641.7	7351.3	7034.5	6835.0	6770.5
10°	6612.1	6749.9	6952.4	7107.8	7266.2	7392.4	7418.8	7192.9	6817.4	6345.1	6160.3
12.5°	6632.6	6820.4	7014.0	7063.8	7049.2	7099.0	7075.6	7037.4	6791.0	6189.7	5881.6
15°	6439.0	6661.9	6796.9	6770.5	6723.5	6679.5	6617.9	6521.1	6433.1	6010.7	5670.4
17.5°	5993.1	6221.9	6333.4	6342.2	6342.2	6330.5	6180.9	6145.7	6133.9	5928.6	5720.3
20°	6075.2	6201.4	6151.5	6069.4	6092.8	6172.1	6084.0	6066.4	6133.9	6224.9	6186.7
22.5°	6122.2	6078.2	5702.7	5338.9	5256.8	5503.2	5553.1	5749.6	6022.4	6351.0	6565.1
25°	5831.8	5476.8	4805.0	4394.4	4162.6	4391.4	4690.6	5054.4	5462.1	5884.6	6133.9
27.5°	4875.5	4605.6	4124.5	3754.9	3552.5	3587.7	3842.9	4174.3	4552.8	4837.3	5019.2
30°	3672.7	3552.5	3303.1	3177.0	3053.8	3024.4	3133.0	3259.1	3426.3	3461.5	3508.4
32.5°	2704.7	2687.1	2701.7	2660.7	2637.2	2634.3	2602.0	2631.3	2648.9	2669.5	2628.4
35°	2446.5	2423.1	2382.0	2370.3	2355.6	2361.5	2346.8	2332.1	2343.9	2361.5	2373.2
37.5°	2314.5	2279.3	2220.6	2200.1	2200.1	2208.9	2185.4	2179.6	2200.1	2255.9	2285.2
40°	2211.8	2170.8	2103.3	2076.9	2094.5	2118.0	2085.7	2074.0	2123.8	2182.5	2229.4
42.5°	2115.0	2082.8	2018.2	1988.9	2003.6	2047.6	2000.6	1991.8	2056.4	2120.9	2176.6
45°	2032.9	2000.6	1942.0	1927.3	1933.2	1974.2	1942.0	1942.0	2003.6	2074.0	2123.8
47.5°	1968.4	1927.3	1889.2	1877.4	1883.3	1906.8	1900.9	1900.9	1959.6	2032.9	2082.8
50°	1903.8	1868.6	1818.8	1824.6	1839.3	1871.6	1868.6	1877.4	1936.1	2027.0	2079.8
52.5°	1874.5	1821.7	1766.0	1771.8	1815.8	1854.0	1842.2	1851.0	1918.5	2088.6	2164.9
55°	1842.2	1771.8	1707.3	1716.1	1766.0	1821.7	1807.0	1818.8	1898.0	2129.7	2235.3
57.5°	1780.6	1698.5	1628.1	1634.0	1707.3	1766.0	1742.5	1757.2	1851.0	2085.7	2197.2
58°	1754.2	1683.8	1616.4	1619.3	1689.7	1754.2	1727.8	1739.6	1836.4	2074.0	2179.6
60°	1642.8	1601.7	1543.0	1545.9	1613.4	1669.2	1654.5	1666.2	1760.1	1988.9	2068.1
62.5°	1490.2	1466.7	1452.1	1452.1	1493.1	1545.9	1560.6	1575.3	1660.4	1798.2	1868.6
65°	1325.9	1325.9	1328.9	1328.9	1355.3	1422.7	1431.5	1469.7	1548.9	1616.4	1669.2
67.5°	1214.5	1208.6	1214.5	1199.8	1211.5	1252.6	1296.6	1331.8	1413.9	1460.9	1478.5
70°	1070.7	1067.8	1070.7	1050.2	1064.9	1100.1	1129.4	1188.1	1273.1	1308.3	1317.1
72.5°	929.9	929.9	935.8	921.1	921.1	959.2	979.8	1044.3	1123.5	1144.1	1147.0
75°	783.2	792.0	792.0	771.5	777.4	800.8	827.2	880.0	953.4	968.1	968.1
77.5°	621.9	654.2	654.2	633.6	642.4	645.4	680.6	707.0	762.7	768.6	745.1
80°	451.8	484.0	510.4	492.8	507.5	489.9	510.4	528.0	583.8	557.4	519.2
82.5°	322.7	346.2	366.7	369.6	355.0	322.7	349.1	352.0	378.4	343.2	322.7
85°	178.9	199.5	225.9	214.1	190.7	170.1	178.9	184.8	181.9	173.1	161.3
87.5°	46.9	49.9	55.7	41.1	38.1	32.3	44.0	44.0	49.9	52.8	49.9
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°	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0
2.5°	9501.6	9630.6	9909.3	10120.5	10378.7	10692.6	11062.2	11434.7	11836.6	11962.8	12138.8
5°	7861.7	8184.4	8319.4	8703.7	9085.0	9657.0	10267.2	10974.2	11748.6	12121.2	12479.0
7.5°	6717.7	6890.8	7031.6	7313.2	7770.8	8466.0	9231.7	10114.7	11211.8	11754.5	12279.6
10°	6101.6	6119.3	6292.3	6641.4	7040.4	7653.5	8378.0	9366.6	10589.9	11249.9	11865.9
12.5°	5693.9	5617.6	5805.4	6169.1	6620.9	7187.0	7852.9	8794.6	10141.1	10818.7	11563.8
15°	5336.0	5215.7	5356.5	5729.1	6175.0	6840.9	7556.7	8554.0	9965.0	10754.2	11581.4
17.5°	5344.8	5013.3	5063.2	5377.1	5820.0	6497.7	7366.0	8545.2	10232.0	11141.4	12121.2
20°	6004.8	5473.9	5248.0	5306.7	5735.0	6474.2	7454.0	8955.9	11109.1	12435.0	13482.3
22.5°	6653.1	6333.4	5969.6	5849.4	6084.0	6858.5	8014.3	9926.9	13015.9	15013.6	16905.7
25°	6427.3	6700.1	6609.1	6439.0	6491.8	7134.2	8395.6	10724.8	14497.3	16747.3	18525.0
27.5°	5142.4	5638.2	5737.9	5735.0	5755.5	6283.5	7550.8	10188.0	14682.1	17078.8	18777.2
30°	3614.1	3658.1	3710.9	3813.5	3907.4	4379.7	5908.0	8944.2	14600.0	17228.4	18929.8
32.5°	2607.9	2666.5	2739.9	2880.7	3103.6	3705.0	5168.8	8548.2	15034.1	17847.3	19375.7
35°	2384.9	2452.4	2522.8	2684.1	2895.3	3452.7	4875.5	8383.9	15746.9	18850.6	20176.5
37.5°	2314.5	2390.8	2452.4	2569.7	2739.9	3270.8	4608.5	8272.4	16477.4	19912.5	21250.2
40°	2264.7	2352.7	2402.5	2496.4	2613.7	3103.6	4370.9	8184.4	17184.4	20883.5	22112.6
42.5°	2220.6	2311.6	2376.1	2443.6	2540.4	2954.0	4159.7	8096.4	17797.5	21825.1	22972.1
45°	2167.8	2282.3	2364.4	2417.2	2502.3	2827.9	3998.3	8026.0	18495.6	22661.2	23840.4
47.5°	2123.8	2250.0	2352.7	2414.3	2446.5	2739.9	3869.3	8122.8	19334.6	23535.4	24647.1
50°	2126.8	2247.0	2376.1	2472.9	2387.9	2666.5	3790.1	8507.1	20425.9	24573.8	25283.7
52.5°	2220.6	2367.3	2470.0	2493.5	2305.7	2578.5	3749.0	9178.9	21716.6	25492.0	25926.1
55°	2326.3	2478.8	2590.3	2575.6	2261.7	2467.1	3740.2	9894.6	23130.5	26562.7	26762.2
57.5°	2288.1	2511.1	2681.2	2604.9	2264.7	2358.5	3702.1	10472.5	24312.7	27363.6	27589.4
58°	2276.4	2499.3	2692.9	2599.1	2255.9	2326.3	3693.3	10522.4	24477.0	27419.3	27706.8
60°	2162.0	2396.7	2684.1	2555.1	2206.0	2238.2	3596.5	10683.8	24433.0	27131.8	27777.2
62.5°	1953.7	2147.3	2481.7	2340.9	2053.4	2120.9	3379.4	10484.3	23242.0	25747.2	26747.5
65°	1719.0	1862.8	2085.7	2059.3	1836.4	2000.6	3083.1	9695.2	20857.1	23500.2	24553.3
67.5°	1543.0	1660.4	1801.2	1763.0	1651.6	1839.3	2763.3	8360.4	18181.7	20801.3	22127.3
70°	1364.1	1455.0	1525.4	1499.0	1463.8	1680.9	2478.8	6785.2	15617.9	18237.5	19522.3
72.5°	1182.2	1267.3	1325.9	1287.8	1267.3	1513.7	2247.0	5265.6	12335.3	15045.8	16697.4
75°	988.6	1073.7	1114.7	1070.7	1059.0	1334.7	1903.8	3933.8	9255.1	11599.0	13024.7
77.5°	765.6	856.6	909.4	894.7	900.6	1097.1	1537.1	2692.9	6617.9	7905.7	9407.7
80°	536.8	636.6	671.8	657.1	698.2	836.0	1085.4	1710.2	4564.5	5130.7	6189.7
82.5°	331.5	425.4	431.2	445.9	475.2	619.0	818.4	1041.4	2866.0	2962.8	3731.4
85°	167.2	202.4	217.1	240.5	266.9	378.4	466.4	645.4	1845.2	1396.3	2085.7
87.5°	55.7	58.7	70.4	88.0	108.5	155.5	199.5	264.0	457.6	252.3	645.4
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°	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0	11159.0
2.5°	12493.7	12743.1	12924.9	13092.1	12930.8	12916.1	12757.7	12502.5	12396.9	12396.9
5°	13230.0	13813.8	14286.1	14588.2	14459.1	14148.2	13634.8	12980.7	12628.7	12567.1
7.5°	13432.4	14585.3	15462.4	15773.4	15556.3	14869.8	13887.1	12784.1	12279.6	12168.1
10°	13309.2	14808.2	16096.0	16588.9	16286.7	15248.3	13907.7	12555.3	11933.4	11804.3
12.5°	13180.1	14837.6	16213.4	16926.2	16729.7	15553.3	14057.3	12405.7	11687.0	11502.2
15°	13274.0	14849.3	16069.6	16805.9	16932.1	15920.0	14303.7	12514.2	11637.1	11440.6
17.5°	13866.6	15072.2	15864.3	16459.8	16902.7	16418.7	15004.8	13033.5	12083.0	11839.5
20°	15104.5	15606.1	15981.6	16442.2	17155.0	17436.6	16439.3	14459.1	13335.6	13121.5
22.5°	18689.2	18598.3	17829.7	17820.9	18853.5	19982.9	19915.4	17357.4	15667.7	15491.7
25°	20032.8	19610.3	18498.6	18228.7	18683.4	20425.9	20173.6	17950.0	16389.4	15961.1
27.5°	19507.7	18460.4	17730.0	17668.4	17518.8	19164.5	19771.7	18190.5	16641.7	16225.1
30°	19475.4	17935.3	16891.0	17014.2	17158.0	18730.3	19994.6	18944.4	17287.0	16841.1
32.5°	19554.6	18008.7	16952.6	16976.1	17404.4	18794.8	20241.0	19765.8	18134.8	17688.9
35°	19874.4	18425.2	17345.7	17290.0	17958.8	19217.3	20660.5	21056.6	19293.5	18786.0
37.5°	20390.7	19255.4	18064.4	18049.7	19020.7	19980.0	21182.7	22359.0	20446.4	19900.8
40°	21150.4	20226.4	19343.4	19264.2	20464.0	21220.8	21860.3	23746.6	21787.0	21085.9
42.5°	22068.6	21391.0	21030.2	21344.0	22496.9	22614.2	22916.4	25028.5	22928.1	22112.6
45°	22919.3	22887.1	23388.7	24221.8	24893.6	24189.5	24019.4	25888.0	23814.0	22928.1
47.5°	23931.4	24805.6	26319.2	27539.6	28243.6	26022.9	24961.0	26448.3	24459.4	23643.9
50°	24958.1	27102.5	29519.7	31221.1	31370.7	28014.8	25609.3	26976.3	25046.1	24198.3
52.5°	26037.6	28935.9	32153.9	34131.1	33840.7	29748.5	26237.1	27334.2	25650.4	24905.3
55°	26976.3	30059.4	33626.5	35524.5	35099.2	30804.5	26914.7	27721.4	26512.8	25885.1
57.5°	27501.4	30153.3	33259.9	34917.3	34456.7	30599.2	27225.7	28008.9	27064.3	26571.5
58°	27577.7	30027.2	32934.2	34565.3	34095.9	30426.1	27222.7	27997.2	27099.5	26603.8
60°	27510.2	29208.7	31722.7	33174.8	32682.0	29340.7	27111.3	27777.2	26653.6	26234.2
62.5°	26885.4	27788.9	29631.1	30687.2	30546.4	27645.2	26653.6	26947.0	25295.4	24890.6
65°	26064.0	25852.8	26952.9	27700.9	27806.5	26375.0	26199.0	25151.7	23553.0	22980.9
67.5°	25066.6	23658.6	23655.6	24081.0	24257.0	24421.3	25251.4	23200.9	21041.9	20437.6
70°	23374.0	20276.3	19343.4	19845.0	19698.4	21085.9	23558.8	20461.1	18014.5	17307.6
72.5°	20270.4	16090.2	14597.0	15242.4	14872.8	16536.1	20613.6	16838.2	14896.2	14027.9
75°	16430.5	12036.1	10496.0	11088.6	10859.8	12543.6	17152.1	12229.7	10683.8	10352.3
77.5°	12757.7	8721.3	7826.5	7744.4	7914.5	9334.4	12581.7	8257.8	7043.3	6817.4
80°	8196.2	6242.5	6295.3	6189.7	6277.7	5884.6	7638.8	5268.5	4769.8	4588.0
82.5°	5394.7	4350.4	5186.4	4787.4	4546.9	3957.3	5010.4	3449.8	2927.6	2827.9
85°	3675.7	3203.4	2915.9	2229.4	2625.5	3047.9	3757.8	1856.9	1472.6	1334.7
87.5°	1660.4	1114.7	818.4	504.6	797.9	921.1	1824.6	217.1	167.2	173.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)