

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: P533592

Luminaire Tested: **GALN-SA9A-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533592
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-SA9A-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 615mA 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: 28763 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

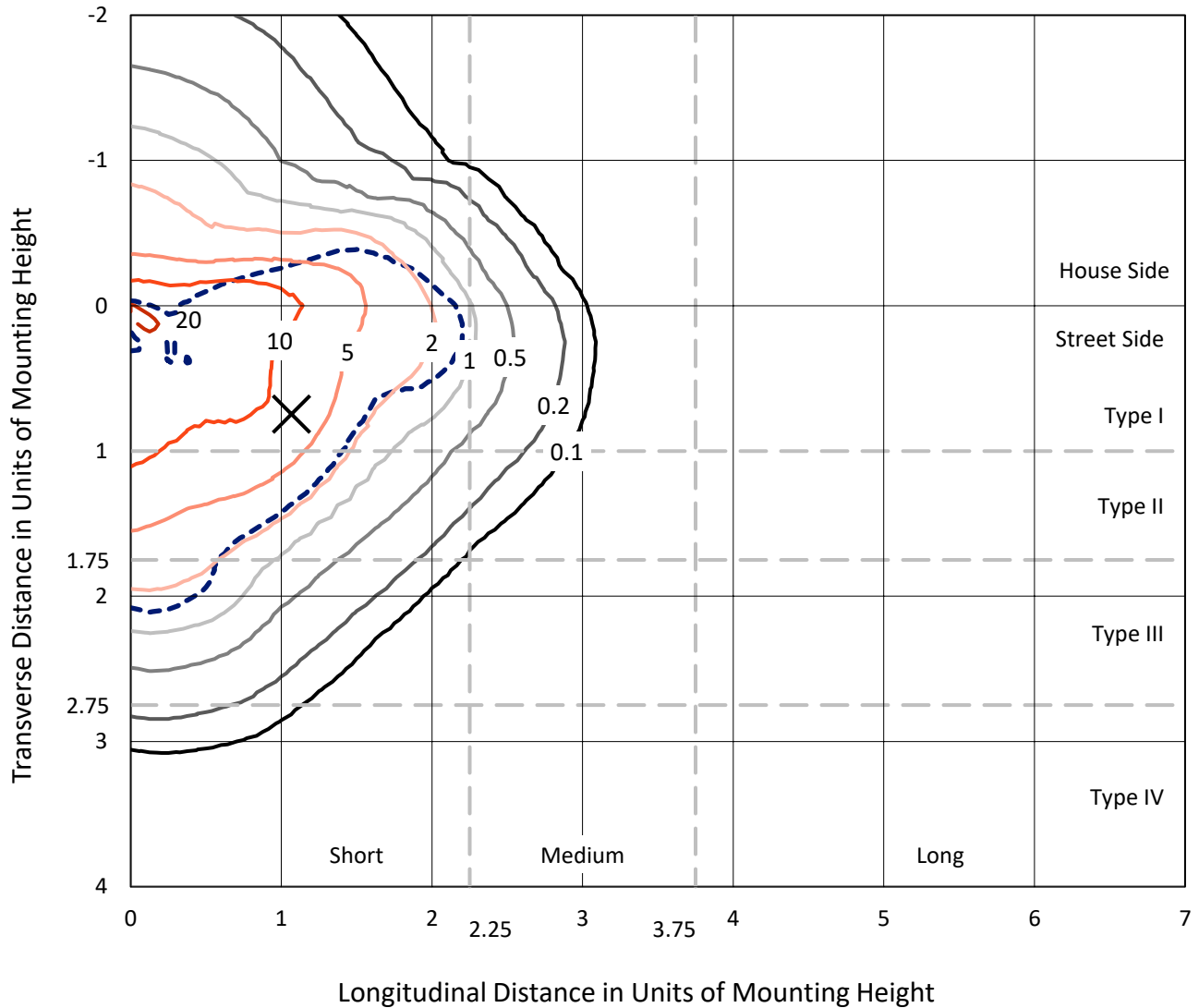
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

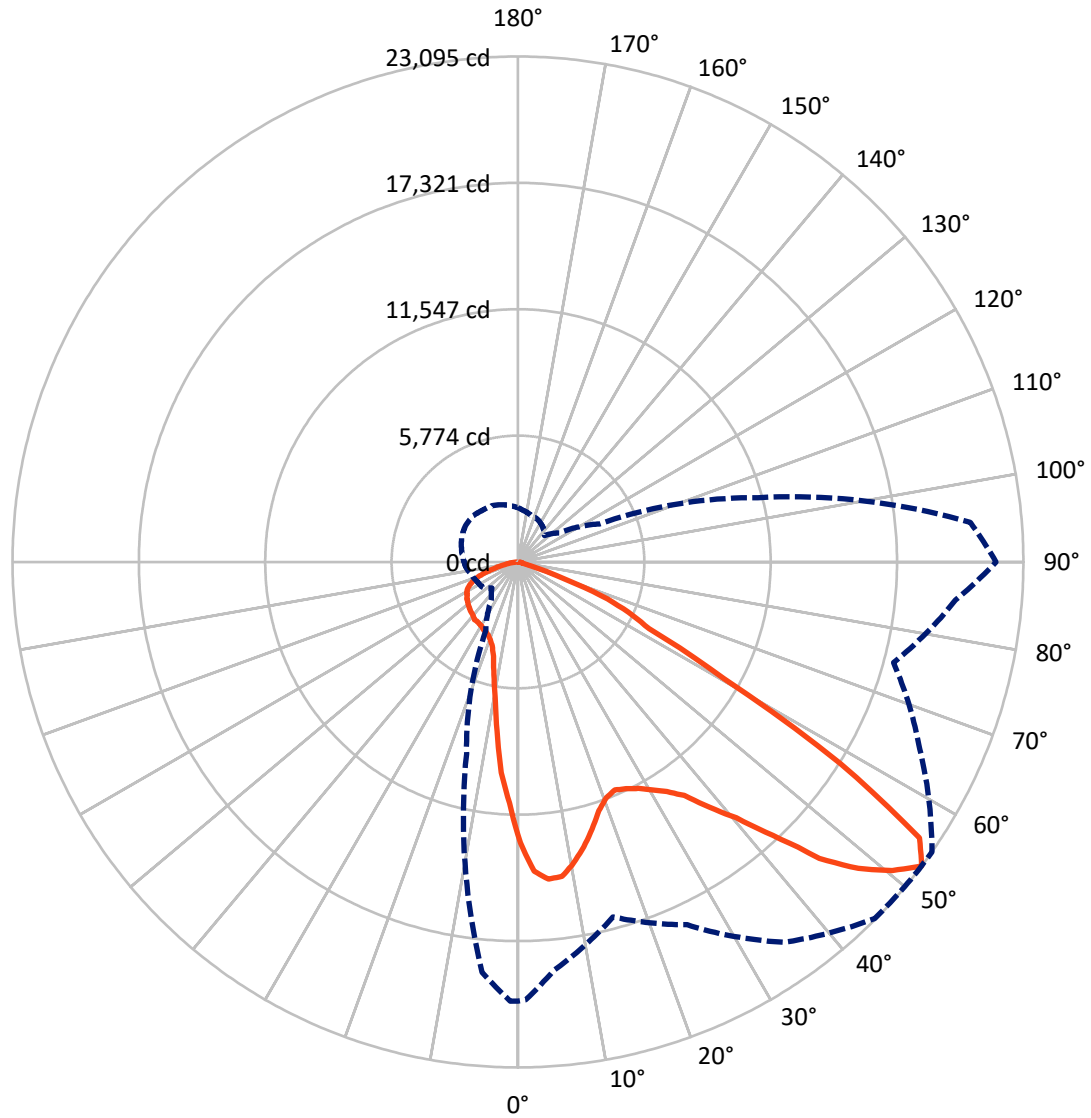
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 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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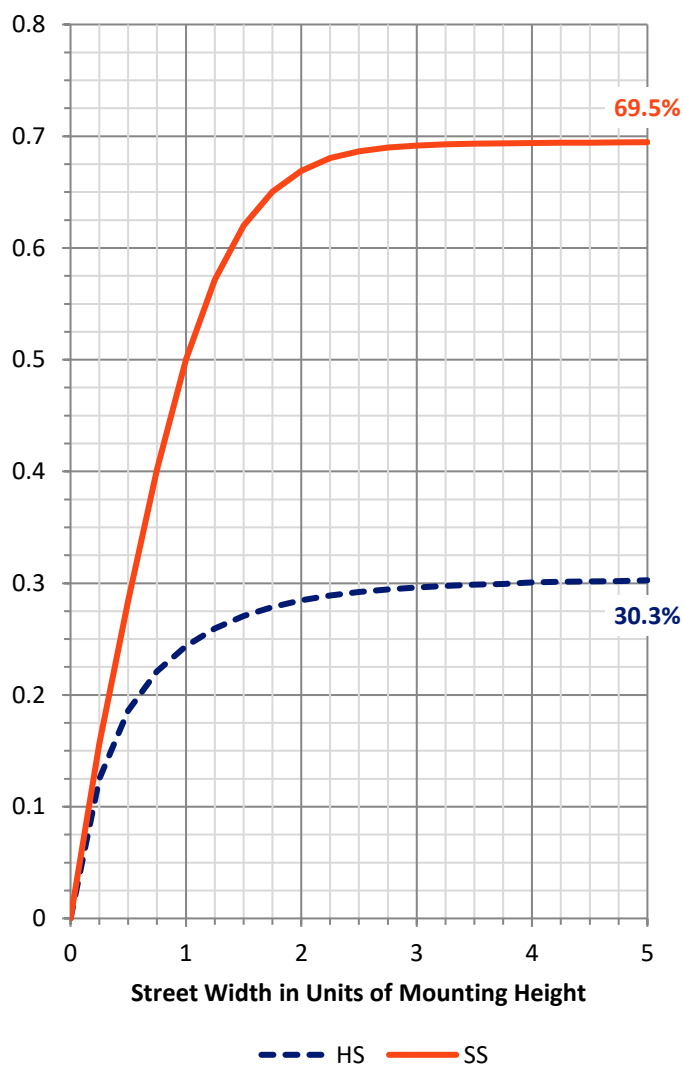
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8774.3	0.0	8774.3
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	19988.7	0.0	19988.7
	% Fixture	69.5	0.0	69.5
Total	Lumens	28763.0	0.0	28763.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.2	3.4
10°-20°	2113.5	7.3
20°-30°	3204.8	11.1
30°-40°	4630.4	16.1
40°-50°	6187.4	21.5
50°-60°	6906.6	24.0
60°-70°	3788.6	13.2
70°-80°	819.1	2.8
80°-90°	132.5	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°	28763.0	100.0
0°-180°	28763.0	100.0

Coefficient of Utilization



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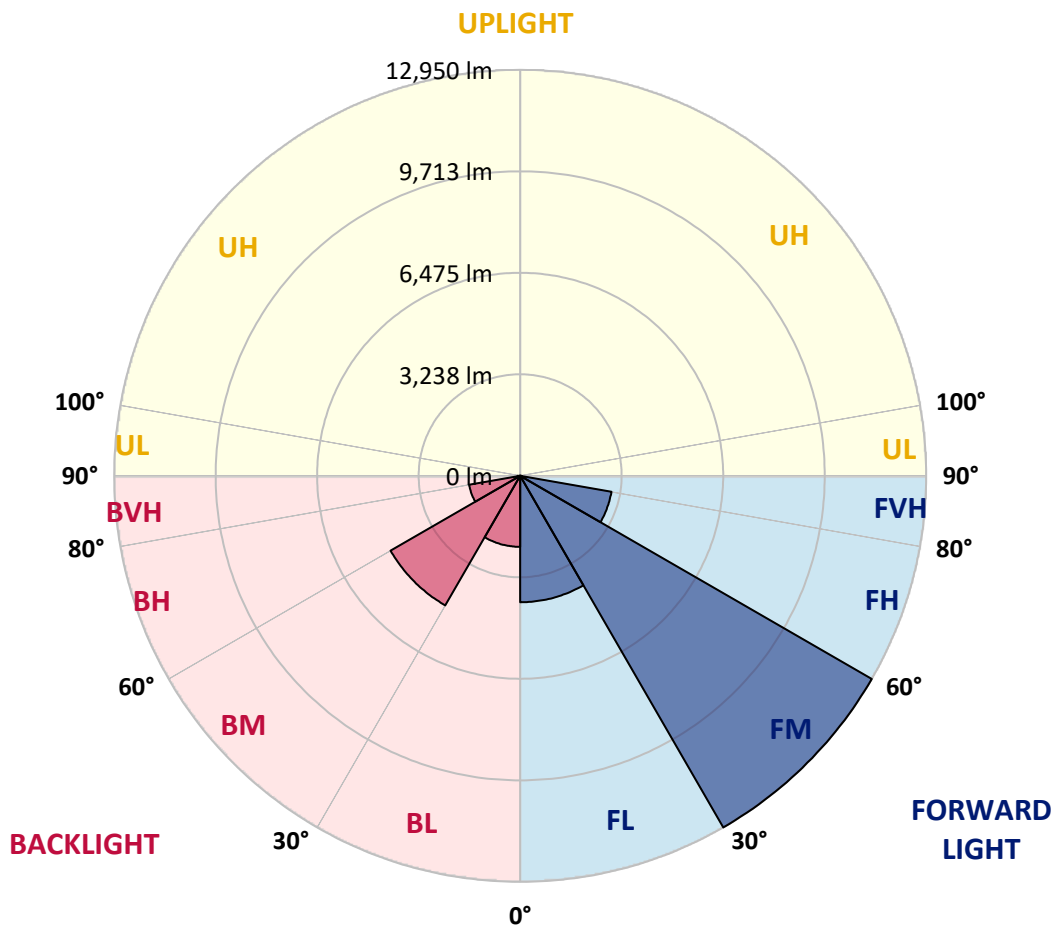
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4033.1	14.0			
FM (30°-60°)	12950.4	45.0			
FH (60°-80°)	2956.1	10.3			G2/5000
FVH (80°-90°)	49.1	0.2			G1/100
BL (0°-30°)	2265.4	7.9	B3/2500		
BM (30°-60°)	4773.9	16.6	B3/5000		
BH (60°-80°)	1651.5	5.7	B3/2500		G3/2500
BVH (80°-90°)	83.5	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5
2.5°	13464.7	13389.1	13456.3	13775.5	13960.3	14086.3	14166.1	14153.5	13851.1	13557.1	13557.1
5°	13069.9	12973.3	13111.9	13834.3	14560.9	14623.9	14728.9	14556.7	14111.5	13573.9	12901.9
7.5°	11927.6	11999.0	12229.9	13179.1	14124.1	14598.7	14724.7	14506.3	13783.9	12780.1	11793.2
10°	10940.6	11108.6	11642.0	12666.7	13536.1	14153.5	14292.1	13985.5	13414.3	12183.7	11301.8
12.5°	10600.4	10495.4	11087.6	12112.3	12943.9	13275.7	13338.7	13359.7	12973.3	11881.4	10806.2
15°	10558.4	10625.6	11087.6	11864.6	12376.9	12393.7	12498.7	12662.5	12712.9	12087.2	11037.2
17.5°	11163.2	11083.4	11558.0	12175.3	11931.8	11688.2	11713.4	11948.6	12364.3	12263.5	11763.8
20°	12057.8	12238.3	12612.1	12549.1	11894.0	11276.6	11280.8	11503.4	12322.3	12994.3	12775.9
22.5°	13544.5	13720.9	13998.1	13237.9	11894.0	11154.8	11012.0	11314.4	12591.1	13863.7	13918.3
25°	14901.0	15224.4	15300.0	14405.5	12490.3	11268.2	11175.8	11474.0	12859.9	14712.1	15228.6
27.5°	16135.8	16253.4	16585.2	15157.2	12822.1	11343.8	11335.4	11717.6	13200.1	15136.2	16400.4
30°	17110.2	17097.6	17286.6	15631.8	13351.3	11768.0	11360.6	12083.0	13645.3	15837.6	17483.9
32.5°	17773.7	17916.5	18315.5	16291.2	13573.9	12171.1	11852.0	12511.3	14187.1	16169.4	18248.3
35°	18941.3	19189.1	18685.1	16656.6	14279.5	12570.1	12196.3	13095.1	14455.9	16530.6	19184.9
37.5°	20041.7	19852.7	19340.3	16854.0	14737.3	13309.3	12960.7	14224.9	15291.6	17316.0	19806.5
40°	20747.2	20743.0	19831.7	17013.6	15060.6	14439.1	14418.1	15371.4	16316.4	17811.5	20503.6
42.5°	21053.8	21347.8	20033.3	16996.8	15741.0	15808.2	16232.4	17085.0	17043.0	17912.3	20486.8
44°	21473.8	21650.2	20381.8	17034.6	16194.6	16732.2	17731.7	18273.5	17677.1	17857.7	20465.8
45°	21457.0	21469.6	19886.3	17085.0	16581.0	17504.9	18399.5	19315.1	18235.7	17740.1	20743.0
47.5°	20965.6	20822.8	19466.3	16711.2	17786.3	19546.1	20373.4	20927.8	18924.5	17488.1	20398.6
50°	19995.5	19831.7	18445.7	16551.6	18038.3	20814.4	21956.8	22158.4	19550.3	17240.4	20058.5
52.5°	20062.7	20016.5	18735.5	16791.0	18290.3	21213.4	23044.5	23094.9	20260.0	17761.1	20062.7
55°	21263.8	21104.2	19567.1	17089.2	18105.5	20747.2	22351.6	22263.4	20020.7	17446.2	20432.2
57.5°	19457.9	19562.9	18416.3	15909.0	15846.0	16866.6	17572.1	17353.8	16707.0	15745.2	19008.5
60°	15699.0	15997.2	16106.4	13305.1	11957.0	11432.0	11222.0	10835.6	10944.8	12935.5	16698.6
62.5°	13464.7	13447.9	14132.5	12062.0	7832.7	6736.5	6635.8	6723.9	7983.9	12733.9	16354.2
65°	10676.0	10961.6	11171.6	10222.4	6199.0	5002.0	4997.8	5556.4	6908.7	10642.4	13204.3
67.5°	6778.5	7152.3	7412.7	6539.2	4145.2	3561.5	3464.9	4136.8	4787.8	6980.1	7950.3
70°	3821.9	3998.3	4115.8	3771.5	2637.5	1847.9	1738.7	1898.3	2893.7	4519.0	4712.2
72.5°	1474.1	1553.9	1713.5	1726.1	995.4	596.4	483.0	579.6	1218.0	1789.1	1705.1
75°	226.8	243.6	344.4	411.6	285.6	218.4	231.0	239.4	340.2	462.0	386.4
77.5°	109.2	109.2	105.0	121.8	142.8	155.4	168.0	184.8	201.6	222.6	214.2
80°	71.4	71.4	71.4	84.0	105.0	126.0	142.8	151.2	159.6	176.4	168.0
82.5°	46.2	46.2	46.2	63.0	84.0	105.0	113.4	134.4	151.2	176.4	163.8
85°	25.2	25.2	25.2	42.0	63.0	88.2	84.0	67.2	37.8	4.2	8.4
87.5°	8.4	8.4	8.4	8.4	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°	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5
2.5°	13204.3	13011.1	12994.3	12599.5	12246.7	12074.6	11936.0	11549.6	11633.6	11411.0	11406.8
5°	12565.9	12171.1	11532.8	11007.8	10482.8	10377.8	9920.0	9521.0	9533.6	9248.1	9298.5
7.5°	11419.4	11146.4	10369.4	9546.2	8849.1	8353.5	7920.9	7660.5	7328.7	7215.3	7156.5
10°	10692.8	10356.8	9483.2	8450.1	7668.9	7404.3	6988.5	6757.5	6417.4	6249.4	6131.8
12.5°	10373.6	9882.2	8790.3	7740.3	7219.5	6946.5	6593.8	6173.8	5770.6	5615.2	5401.0
15°	10407.2	9819.2	8588.7	7454.7	6828.9	6299.8	5984.8	5518.6	5107.0	4834.0	4678.6
17.5°	10915.4	10201.4	8681.1	7236.3	6337.6	5674.0	5056.6	4552.6	4225.0	4019.3	3968.9
20°	12116.5	11146.4	8836.5	6883.5	5846.2	5018.8	4258.6	3733.7	3481.7	3477.5	3481.7
22.5°	13116.1	12154.3	9151.5	6673.6	5354.8	4178.8	3422.9	3254.9	3204.5	3309.5	3322.1
25°	14464.3	13288.3	9693.2	6564.4	4901.2	3561.5	3095.3	3032.3	3028.1	3162.5	3166.7
27.5°	15846.0	14279.5	10016.6	6245.2	4439.2	3242.3	2897.9	2885.3	2952.5	3095.3	3082.7
30°	16786.8	15111.0	10600.4	5863.0	3893.3	2960.9	2818.1	2834.9	2927.3	3036.5	3053.3
32.5°	17882.9	15930.0	10751.6	5653.0	3557.3	2725.7	2624.9	2662.7	2780.3	2952.5	3044.9
35°	19138.7	16509.6	10982.6	5367.4	3431.3	2545.1	2494.7	2536.7	2679.5	2792.9	2893.7
37.5°	20066.9	17534.3	11024.6	5144.8	3292.7	2444.3	2364.5	2503.1	2587.1	2746.7	2797.1
40°	20755.6	18277.7	11133.8	5006.2	3183.5	2314.1	2314.1	2406.5	2519.9	2666.9	2767.7
42.5°	21196.6	18819.5	11213.6	4880.2	2973.5	2276.3	2255.3	2347.7	2498.9	2641.7	2687.9
44°	21465.4	19050.5	11133.8	4762.6	2914.7	2230.1	2230.1	2309.9	2427.5	2595.5	2650.1
45°	21532.6	19340.3	10957.4	4758.4	2843.3	2175.5	2167.1	2318.3	2398.1	2603.9	2637.5
47.5°	21793.0	19697.3	10978.4	4624.0	2671.1	2045.3	2192.3	2259.5	2330.9	2511.5	2624.9
50°	21784.6	19919.9	10932.2	4426.6	2545.1	1898.3	2141.9	2217.5	2288.9	2473.7	2519.9
52.5°	21843.4	20751.4	11356.4	4111.6	2318.3	1709.3	1973.9	2141.9	2230.1	2385.5	2482.1
55°	21814.0	21226.0	11776.4	3876.5	1999.1	1595.9	1831.1	2028.5	2154.5	2318.3	2364.5
57.5°	19924.1	18760.7	10898.6	3435.5	1654.7	1461.5	1629.5	1910.9	2070.5	2238.5	2297.3
60°	16278.6	14460.1	8987.7	2528.3	1360.7	1344.0	1516.1	1873.1	1940.3	2087.3	2188.1
62.5°	15043.8	12683.5	7127.1	1931.9	1163.4	1230.6	1398.5	1692.5	1797.5	1978.1	2070.5
65°	11772.2	8424.9	4414.0	1306.2	1024.8	1104.6	1264.2	1482.5	1654.7	1822.7	1931.9
67.5°	6971.7	4603.0	2183.9	915.6	894.6	978.6	1142.4	1306.2	1503.5	1688.3	1742.9
70°	3796.7	2263.7	932.4	697.2	760.2	835.8	995.4	1108.8	1297.8	1440.5	1532.9
72.5°	1218.0	688.8	466.2	516.6	579.6	667.8	764.4	903.0	1037.4	1121.4	1197.0
75°	294.0	289.8	331.8	361.2	420.0	487.2	567.0	638.4	743.4	823.2	890.4
77.5°	205.8	222.6	256.2	298.2	319.2	344.4	394.8	449.4	495.6	554.4	596.4
80°	159.6	172.2	197.4	218.4	239.4	260.4	285.6	306.6	336.0	373.8	394.8
82.5°	151.2	159.6	184.8	197.4	189.0	184.8	201.6	210.0	214.2	226.8	239.4
85°	12.6	0.0	8.4	29.4	71.4	105.0	113.4	113.4	109.2	117.6	117.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	16.8	12.6
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°	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5
2.5°	11356.4	11213.6	11268.2	11335.4	11238.8	11016.2	11075.0	11049.8	11276.6	11259.8	11486.6
5°	9521.0	9298.5	9323.7	9651.2	9546.2	9659.6	9432.8	9403.5	9445.4	9466.4	9504.2
7.5°	7286.7	7257.3	7509.3	7786.5	7916.7	7782.3	7559.7	7509.3	7463.1	7370.7	7580.7
10°	5947.0	5955.4	5938.6	6148.6	6295.6	6266.2	6131.8	6115.0	6026.8	5993.2	6110.8
12.5°	5308.6	5195.2	5140.6	5073.4	5186.8	5262.4	5203.6	5161.6	5165.8	5207.8	5224.6
15°	4691.2	4619.8	4502.2	4426.6	4481.2	4443.4	4422.4	4506.4	4485.4	4477.0	4577.8
17.5°	3998.3	4057.0	4048.6	3964.7	4036.0	4006.7	4002.5	3943.7	3863.9	3805.1	3838.7
20°	3540.5	3649.7	3733.7	3737.9	3775.7	3771.5	3708.5	3527.9	3469.1	3456.5	3464.9
22.5°	3376.7	3435.5	3536.3	3679.1	3679.1	3611.9	3536.3	3326.3	3271.7	3212.9	3187.7
25°	3246.5	3359.9	3490.1	3506.9	3574.1	3511.1	3389.3	3284.3	3170.9	3091.1	3091.1
27.5°	3179.3	3305.3	3401.9	3431.3	3523.7	3473.3	3347.3	3212.9	3078.5	3074.3	3002.9
30°	3149.9	3267.5	3330.5	3401.9	3443.9	3364.1	3326.3	3183.5	3049.1	3015.5	2897.9
32.5°	3061.7	3229.7	3347.3	3330.5	3364.1	3330.5	3275.9	3158.3	3007.1	2931.5	2918.9
35°	2960.9	3128.9	3254.9	3343.1	3364.1	3292.7	3259.1	3099.5	2893.7	2855.9	2725.7
37.5°	2906.3	3007.1	3162.5	3305.3	3334.7	3296.9	3183.5	3019.7	2813.9	2771.9	2658.5
40°	2839.1	2969.3	3091.1	3208.7	3296.9	3204.5	3074.3	2914.7	2822.3	2696.3	2662.7
42.5°	2788.7	2935.7	3036.5	3166.7	3267.5	3145.7	2994.5	2885.3	2755.1	2671.1	2574.5
44°	2771.9	2906.3	2973.5	3133.1	3217.1	3124.7	2998.7	2885.3	2734.1	2658.5	2574.5
45°	2713.1	2897.9	2969.3	3112.1	3183.5	3107.9	2948.3	2834.9	2725.7	2633.3	2545.1
47.5°	2654.3	2780.3	2902.1	3015.5	3065.9	3040.7	2906.3	2767.7	2637.5	2582.9	2498.9
50°	2637.5	2763.5	2876.9	2981.9	3040.7	2990.3	2868.5	2734.1	2582.9	2494.7	2423.3
52.5°	2553.5	2708.9	2834.9	2868.5	2944.1	2914.7	2822.3	2675.3	2532.5	2456.9	2398.1
55°	2431.7	2595.5	2767.7	2809.7	2918.9	2872.7	2734.1	2595.5	2473.7	2360.3	2284.7
57.5°	2385.5	2545.1	2713.1	2767.7	2834.9	2759.3	2725.7	2578.7	2385.5	2326.7	2209.1
60°	2267.9	2469.5	2608.1	2734.1	2738.3	2717.3	2658.5	2490.5	2330.9	2221.7	2137.7
62.5°	2175.5	2364.5	2473.7	2591.3	2662.7	2603.9	2545.1	2389.7	2217.5	2095.7	1999.1
65°	2041.1	2213.3	2305.7	2377.1	2456.9	2448.5	2347.7	2234.3	2053.7	1957.1	1864.7
67.5°	1835.3	1986.5	2112.5	2179.7	2230.1	2217.5	2141.9	2062.1	1877.3	1780.7	1713.5
70°	1587.5	1742.9	1822.7	1860.5	1910.9	1936.1	1877.3	1839.5	1675.7	1549.7	1486.7
72.5°	1276.8	1377.5	1495.1	1528.7	1549.7	1566.5	1566.5	1532.9	1364.9	1314.6	1205.4
75°	940.8	1020.6	1108.8	1108.8	1146.6	1150.8	1159.2	1138.2	1012.2	945.0	919.8
77.5°	638.4	697.2	768.6	798.0	823.2	819.0	814.8	756.0	688.8	659.4	634.2
80°	415.8	474.6	508.2	546.0	571.2	567.0	575.4	533.4	504.0	453.6	462.0
82.5°	247.8	294.0	327.6	373.8	373.8	386.4	386.4	373.8	344.4	319.2	319.2
85°	117.6	155.4	176.4	205.8	222.6	226.8	201.6	172.2	142.8	130.2	142.8
87.5°	21.0	29.4	42.0	37.8	46.2	42.0	42.0	42.0	42.0	33.6	37.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P533592

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5	12830.5
2.5°	11402.6	11612.6	11759.6	12003.2	12423.1	12759.1	13103.5	13359.7	13389.1	13464.7
5°	9642.8	9756.2	10130.0	10617.2	10961.6	11528.6	11894.0	12557.5	12805.3	13069.9
7.5°	7530.3	7715.1	8214.9	8542.5	9298.5	10008.2	10743.2	11562.2	11889.8	11927.6
10°	6350.2	6619.0	6959.1	7484.1	7895.7	8685.3	9600.8	10512.2	10877.6	10940.6
12.5°	5577.4	5921.8	6375.4	6753.3	7148.1	7836.9	8714.7	9840.2	10314.8	10600.4
15°	4834.0	5191.0	5690.8	6215.8	6564.4	7387.5	8420.7	9689.0	10306.4	10558.4
17.5°	4069.6	4401.4	4813.0	5380.0	6081.4	7005.3	8374.5	10193.0	10869.2	11163.2
20°	3414.5	3599.3	4078.0	4661.8	5539.6	6614.8	8391.3	10936.4	11927.6	12057.8
22.5°	3158.3	3200.3	3389.3	3926.9	4888.6	6215.8	8689.5	11990.6	13116.1	13544.5
25°	2960.9	2952.5	3002.9	3364.1	4414.0	6060.4	8983.5	12960.7	14434.9	14901.0
27.5°	2851.7	2767.7	2771.9	3112.1	4078.0	5808.4	9361.5	14073.7	15930.0	16135.8
30°	2797.1	2780.3	2729.9	2868.5	3712.7	5430.4	9424.4	15169.8	16812.0	17110.2
32.5°	2763.5	2599.7	2536.7	2587.1	3368.3	5018.8	9659.6	15892.2	17903.9	17773.7
35°	2595.5	2448.5	2406.5	2456.9	3124.7	4787.8	9504.2	16522.2	18722.9	18941.3
37.5°	2532.5	2402.3	2318.3	2276.3	2897.9	4594.6	9424.4	17492.3	19516.7	20041.7
40°	2473.7	2335.1	2234.3	2192.3	2721.5	4338.4	9399.3	18239.9	20432.2	20747.2
42.5°	2406.5	2318.3	2204.9	2129.3	2507.3	4082.2	9109.5	18470.9	20713.6	21053.8
44°	2385.5	2251.1	2133.5	2108.3	2423.3	3952.1	9050.7	18680.9	20957.2	21473.8
45°	2364.5	2238.5	2104.1	2070.5	2393.9	3880.7	8970.9	18731.3	21360.4	21457.0
47.5°	2305.7	2225.9	2095.7	2003.3	2330.9	3725.3	8731.5	18445.7	20948.8	20965.6
50°	2259.5	2167.1	2032.7	1852.1	2246.9	3595.1	8840.7	18340.7	19957.7	19995.5
52.5°	2209.1	2070.5	1994.9	1684.1	2108.3	3485.9	9071.7	18815.3	20071.1	20062.7
55°	2150.3	1999.1	1814.3	1541.3	1877.3	3347.3	9630.2	19751.9	21121.0	21263.8
57.5°	2057.9	1927.7	1663.1	1415.3	1612.7	3082.7	9449.6	17958.5	19432.7	19457.9
60°	1936.1	1814.3	1507.7	1318.8	1323.0	2431.7	8450.1	13993.9	15333.6	15699.0
62.5°	1818.5	1751.3	1377.5	1180.2	1125.6	1936.1	7143.9	11629.4	13162.3	13464.7
65°	1679.9	1516.1	1264.2	1075.2	966.0	1356.5	5060.8	8689.5	10268.6	10676.0
67.5°	1503.5	1327.2	1113.0	945.0	827.4	907.2	2612.3	4939.0	6539.2	6778.5
70°	1314.6	1150.8	936.6	798.0	667.8	625.8	1150.8	2356.1	3574.1	3821.9
72.5°	1079.4	928.2	747.6	630.0	499.8	432.6	386.4	630.0	1268.4	1474.1
75°	781.2	676.2	562.8	449.4	352.8	277.2	226.8	189.0	210.0	226.8
77.5°	575.4	491.4	415.8	319.2	247.8	197.4	155.4	117.6	113.4	109.2
80°	449.4	399.0	331.8	256.2	193.2	147.0	109.2	79.8	71.4	71.4
82.5°	352.8	327.6	273.0	210.0	159.6	117.6	79.8	54.6	46.2	46.2
85°	134.4	134.4	197.4	172.2	121.8	84.0	54.6	29.4	25.2	25.2
87.5°	33.6	33.6	33.6	33.6	29.4	25.2	25.2	12.6	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)