

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: P533982

Luminaire Tested: **GALN-SA9C-722-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533982
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-SA9C-722-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2200K, 1050mA 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: 34894 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

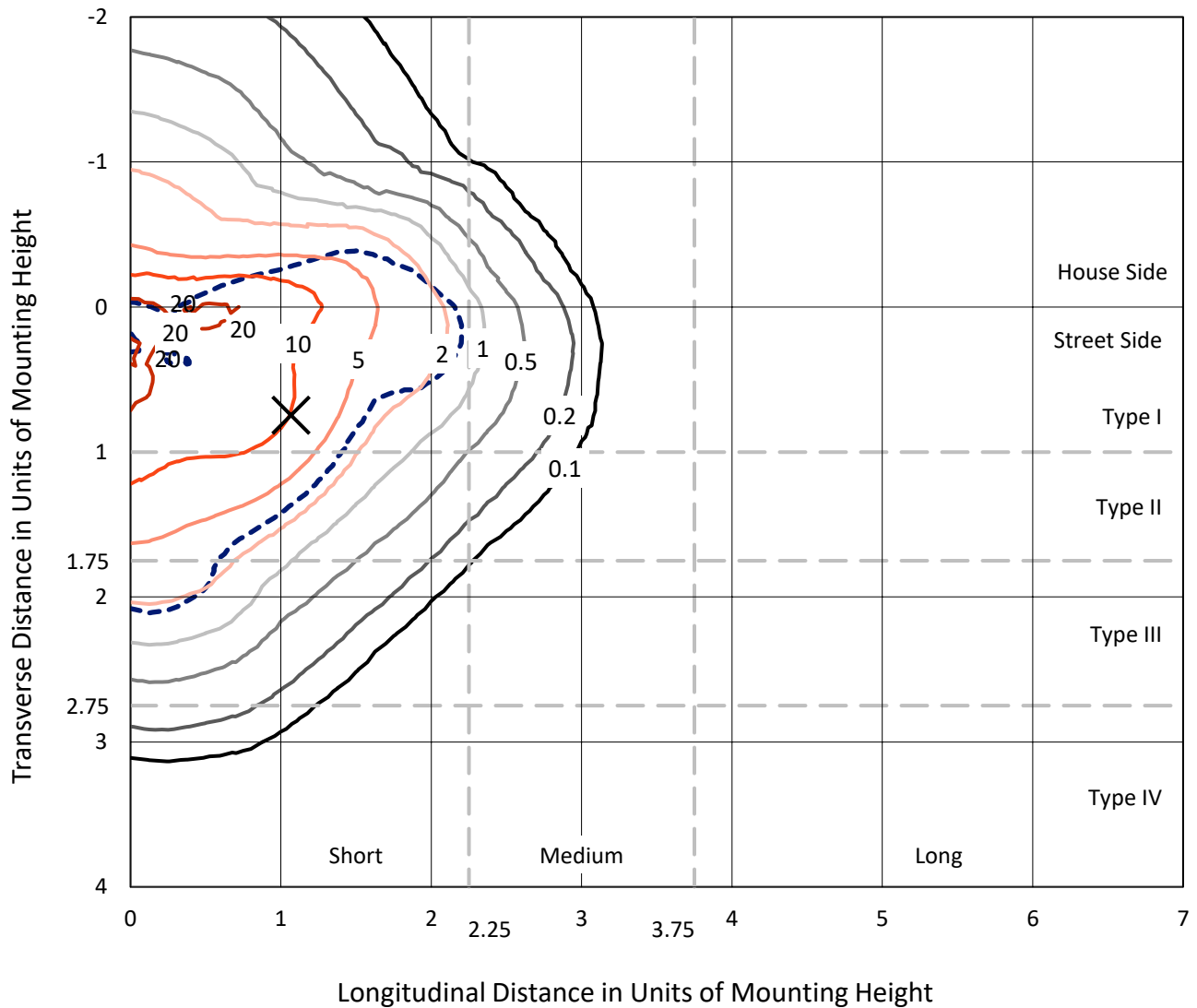
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

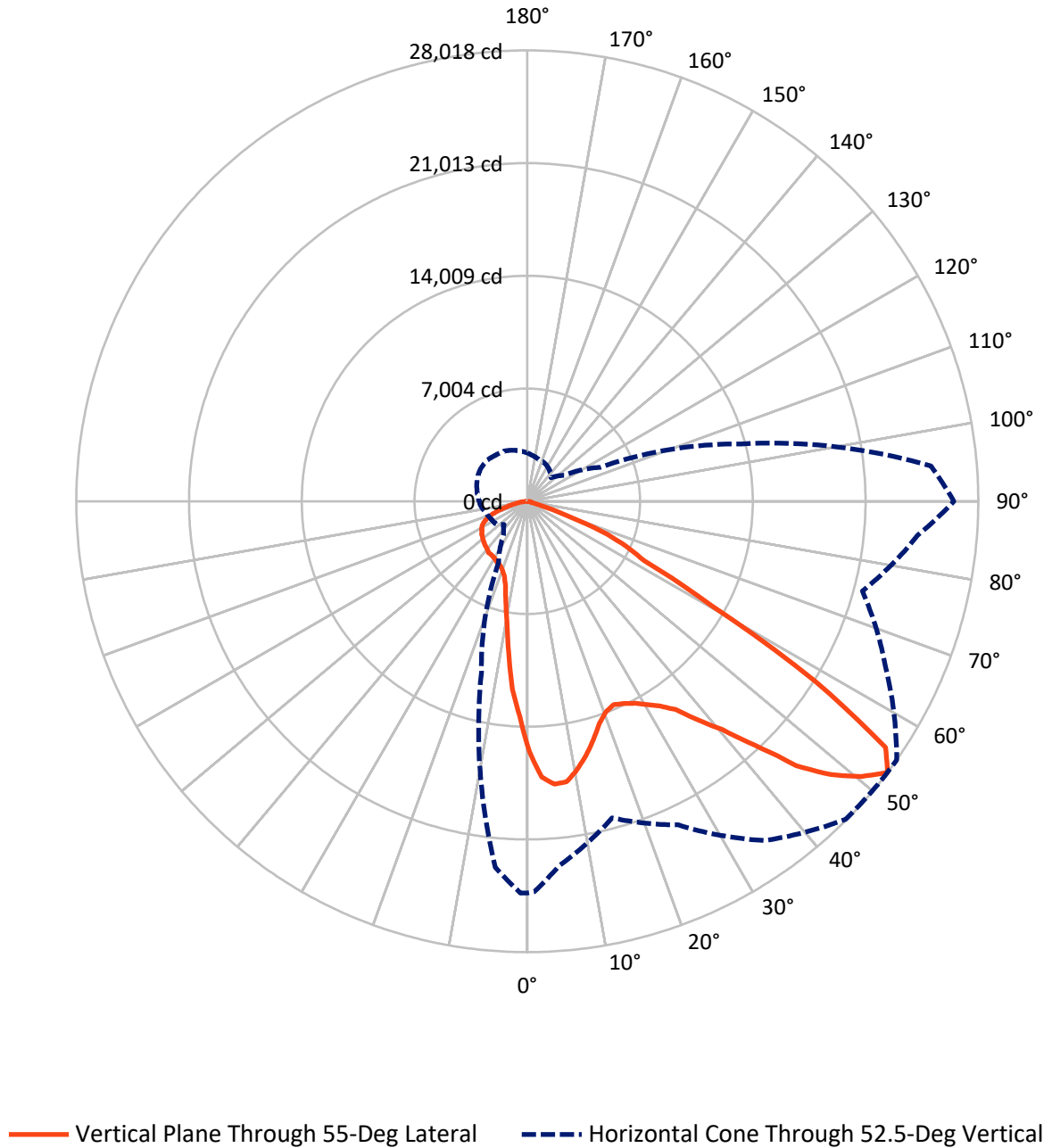
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10644.6	0.0	10644.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	24249.4	0.0	24249.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	34894.0	0.0	34894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1189.2	3.4
10°-20°	2564.0	7.3
20°-30°	3887.9	11.1
30°-40°	5617.4	16.1
40°-50°	7506.3	21.5
50°-60°	8378.7	24.0
60°-70°	4596.1	13.2
70°-80°	993.7	2.8
80°-90°	160.8	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°	34894.0	100.0
0°-180°	34894.0	100.0

Coefficient of Utilization



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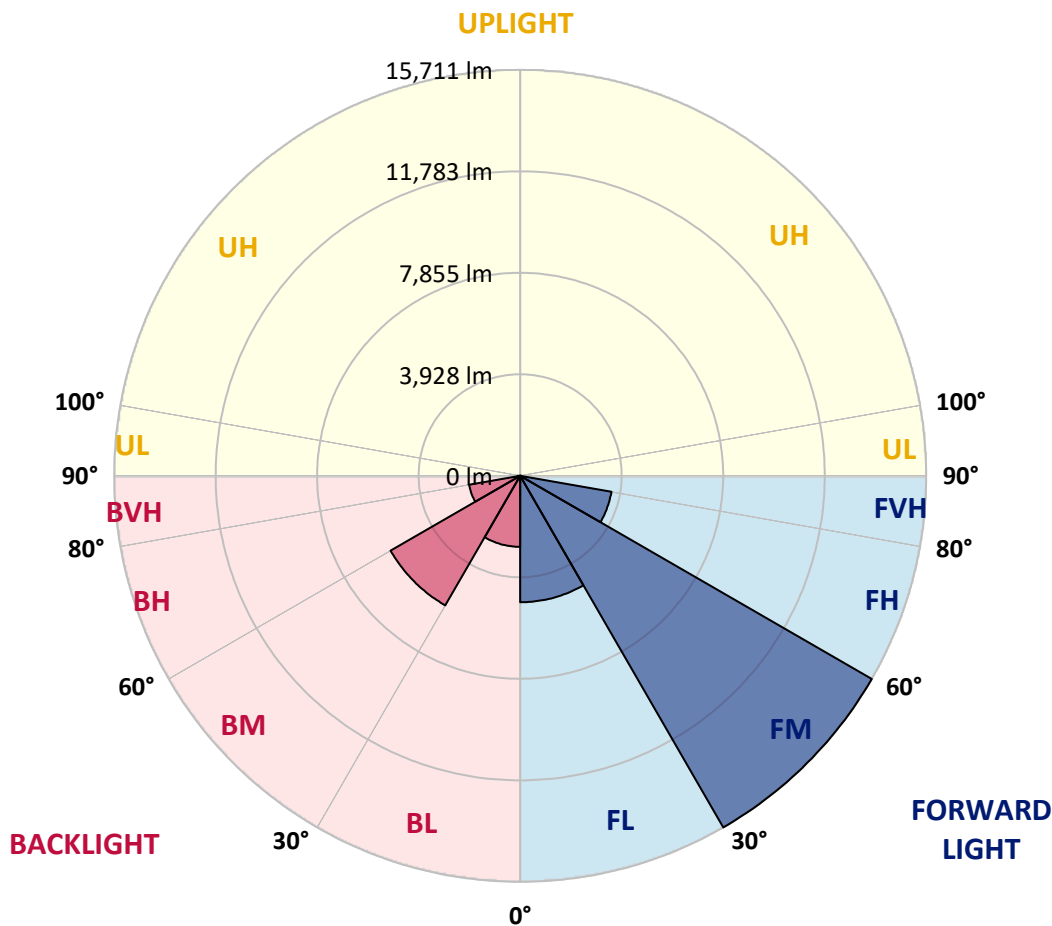
CATALOG NUMBER: GALN-SA9C-722-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4892.8	14.0			
FM (30°-60°)	15710.9	45.0			
FH (60°-80°)	3586.2	10.3			G2/5000
FVH (80°-90°)	59.5	0.2			G1/100
BL (0°-30°)	2748.3	7.9	B4/5000		
BM (30°-60°)	5791.5	16.6	B4/8500		
BH (60°-80°)	2003.5	5.7	B3/2500		G3/2500
BVH (80°-90°)	101.2	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4
2.5°	16334.8	16243.1	16324.6	16711.8	16936.0	17088.8	17185.7	17170.4	16803.5	16446.9	16446.9
5°	15855.8	15738.7	15906.8	16783.1	17664.6	17741.0	17868.4	17659.5	17119.4	16467.2	15652.0
7.5°	14470.0	14556.6	14836.8	15988.3	17134.7	17710.4	17863.3	17598.4	16722.0	15504.3	14306.9
10°	13272.6	13476.4	14123.5	15366.7	16421.4	17170.4	17338.5	16966.6	16273.6	14780.8	13710.8
12.5°	12859.9	12732.6	13451.0	14694.2	15703.0	16105.5	16181.9	16207.4	15738.7	14413.9	13109.6
15°	12809.0	12890.5	13451.0	14393.6	15015.2	15035.5	15162.9	15361.6	15422.8	14663.6	13389.8
17.5°	13542.7	13445.9	14021.6	14770.6	14475.1	14179.6	14210.1	14495.5	14999.9	14877.6	14271.3
20°	14627.9	14847.0	15300.5	15224.1	14429.2	13680.2	13685.3	13955.4	14948.9	15764.1	15499.2
22.5°	16431.6	16645.6	16981.9	16059.6	14429.2	13532.5	13359.3	13726.1	15275.0	16818.8	16885.0
25°	18077.3	18469.6	18561.3	17476.1	15152.7	13670.1	13558.0	13919.7	15601.1	17848.0	18474.7
27.5°	19575.2	19717.9	20120.4	18388.1	15555.2	13761.8	13751.6	14215.2	16013.8	18362.6	19896.2
30°	20757.3	20742.0	20971.3	18963.8	16197.2	14276.4	13782.2	14658.5	16553.9	19213.5	21210.8
32.5°	21562.3	21735.5	22219.6	19763.8	16467.2	14765.5	14378.3	15178.2	17211.1	19616.0	22138.1
35°	22978.7	23279.4	22667.9	20207.0	17323.2	15249.5	14796.1	15886.4	17537.2	20054.2	23274.3
37.5°	24313.6	24084.4	23462.8	20446.5	17878.6	16146.3	15723.4	17257.0	18551.1	21007.0	24028.3
40°	25169.6	25164.5	24058.9	20640.1	18270.9	17516.8	17491.4	18647.9	19794.3	21608.2	24874.1
42.5°	25541.6	25898.2	24303.5	20619.7	19096.3	19177.8	19692.4	20726.7	20675.8	21730.5	24853.7
44°	26051.1	26265.1	24726.3	20665.6	19646.6	20298.7	21511.4	22168.6	21445.1	21664.2	24828.3
45°	26030.7	26046.0	24125.1	20726.7	20115.3	21236.2	22321.5	23432.2	22122.8	21521.6	25164.5
47.5°	25434.6	25261.3	23615.6	20273.3	21577.6	23712.4	24716.2	25388.7	22958.4	21215.9	24746.7
50°	24257.6	24058.9	22377.5	20079.7	21883.3	25251.1	26637.0	26881.6	23717.5	20915.2	24334.0
52.5°	24339.1	24283.1	22729.1	20370.1	22189.0	25735.2	27956.6	28017.8	24578.6	21547.0	24339.1
55°	25796.3	25602.7	23737.9	20731.8	21964.8	25169.6	27115.9	27008.9	24288.2	21164.9	24787.5
57.5°	23605.4	23732.8	22341.9	19300.1	19223.7	20461.8	21317.8	21052.8	20268.2	19101.4	23060.3
60°	19045.4	19407.1	19539.6	16141.2	14505.6	13868.8	13614.0	13145.3	13277.7	15692.8	20258.0
62.5°	16334.8	16314.4	17144.9	14633.0	9502.3	8172.5	8050.2	8157.2	9685.7	15448.2	19840.2
65°	12951.7	13298.1	13552.9	12401.4	7520.3	6068.2	6063.1	6740.8	8381.4	12910.9	16018.9
67.5°	8223.4	8676.9	8992.8	7933.0	5028.8	4320.6	4203.4	5018.6	5808.4	8468.0	9645.0
70°	4636.5	4850.5	4993.2	4575.4	3199.7	2241.8	2109.4	2303.0	3510.5	5482.3	5716.7
72.5°	1788.4	1885.2	2078.8	2094.1	1207.5	723.5	585.9	703.1	1477.6	2170.5	2068.6
75°	275.1	295.5	417.8	499.3	346.5	264.9	280.2	290.4	412.7	560.5	468.7
77.5°	132.5	132.5	127.4	147.8	173.2	188.5	203.8	224.2	244.6	270.0	259.8
80°	86.6	86.6	86.6	101.9	127.4	152.9	173.2	183.4	193.6	214.0	203.8
82.5°	56.0	56.0	56.0	76.4	101.9	127.4	137.6	163.0	183.4	214.0	198.7
85°	30.6	30.6	30.6	51.0	76.4	107.0	101.9	81.5	45.9	5.1	10.2
87.5°	10.2	10.2	10.2	10.2	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°	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4
2.5°	16018.9	15784.5	15764.1	15285.2	14857.2	14648.3	14480.2	14011.4	14113.3	13843.3	13838.2
5°	15244.4	14765.5	13991.0	13354.2	12717.3	12589.9	12034.5	11550.5	11565.8	11219.3	11280.5
7.5°	13853.5	13522.3	12579.7	11581.1	10735.3	10134.1	9609.3	9293.4	8890.9	8753.3	8682.0
10°	12972.0	12564.4	11504.7	10251.3	9303.6	8982.6	8478.2	8198.0	7785.3	7581.5	7438.8
12.5°	12584.8	11988.7	10664.0	9390.2	8758.4	8427.2	7999.3	7489.7	7000.6	6812.1	6552.3
15°	12625.6	11912.3	10419.4	9043.7	8284.6	7642.6	7260.5	6694.9	6195.6	5864.4	5675.9
17.5°	13242.1	12375.9	10531.5	8778.8	7688.5	6883.4	6134.5	5523.1	5125.6	4876.0	4814.8
20°	14699.3	13522.3	10720.0	8350.8	7092.3	6088.6	5166.4	4529.5	4223.8	4218.7	4223.8
22.5°	15911.9	14745.1	11102.1	8096.1	6496.2	5069.6	4152.5	3948.7	3887.5	4014.9	4030.2
25°	17547.4	16120.8	11759.4	7963.6	5945.9	4320.6	3755.1	3678.6	3673.5	3836.6	3841.7
27.5°	19223.7	17323.2	12151.7	7576.4	5385.5	3933.4	3515.6	3500.3	3581.8	3755.1	3739.8
30°	20365.0	18332.0	12859.9	7112.7	4723.1	3592.0	3418.8	3439.2	3551.3	3683.7	3704.1
32.5°	21694.8	19325.6	13043.4	6858.0	4315.5	3306.7	3184.4	3230.3	3372.9	3581.8	3693.9
35°	23218.2	20028.7	13323.6	6511.5	4162.7	3087.6	3026.5	3077.4	3250.7	3388.2	3510.5
37.5°	24344.2	21271.9	13374.5	6241.5	3994.5	2965.3	2868.5	3036.7	3138.6	3332.2	3393.3
40°	25179.8	22173.7	13507.0	6073.3	3862.1	2807.4	2807.4	2919.5	3057.0	3235.4	3357.6
42.5°	25714.8	22831.0	13603.8	5920.5	3607.3	2761.5	2736.0	2848.1	3031.6	3204.8	3260.8
44°	26040.9	23111.2	13507.0	5777.8	3536.0	2705.5	2705.5	2802.3	2944.9	3148.8	3215.0
45°	26122.4	23462.8	13293.0	5772.7	3449.4	2639.2	2629.1	2812.5	2909.3	3158.9	3199.7
47.5°	26438.3	23895.9	13318.5	5609.7	3240.5	2481.3	2659.6	2741.1	2827.8	3046.8	3184.4
50°	26428.1	24165.9	13262.5	5370.2	3087.6	2303.0	2598.5	2690.2	2776.8	3001.0	3057.0
52.5°	26499.4	25174.7	13777.1	4988.1	2812.5	2073.7	2394.7	2598.5	2705.5	2894.0	3011.2
55°	26463.8	25750.5	14286.6	4702.7	2425.3	1936.1	2221.4	2460.9	2613.8	2812.5	2868.5
57.5°	24171.0	22759.7	13221.7	4167.8	2007.5	1773.1	1976.9	2318.3	2511.9	2715.7	2787.0
60°	19748.5	17542.3	10903.4	3067.2	1650.8	1630.4	1839.3	2272.4	2353.9	2532.2	2654.5
62.5°	18250.5	15387.1	8646.3	2343.7	1411.3	1492.9	1696.7	2053.3	2180.7	2399.8	2511.9
65°	14281.5	10220.7	5354.9	1584.6	1243.2	1340.0	1533.6	1798.6	2007.5	2211.3	2343.7
67.5°	8457.8	5584.2	2649.4	1110.7	1085.2	1187.2	1385.9	1584.6	1824.0	2048.2	2114.5
70°	4605.9	2746.2	1131.1	845.8	922.2	1013.9	1207.5	1345.1	1574.4	1747.6	1859.7
72.5°	1477.6	835.6	565.6	626.7	703.1	810.1	927.3	1095.4	1258.5	1360.4	1452.1
75°	356.7	351.6	402.5	438.2	509.5	591.0	687.8	774.4	901.8	998.6	1080.2
77.5°	249.7	270.0	310.8	361.7	387.2	417.8	478.9	545.2	601.2	672.5	723.5
80°	193.6	208.9	239.5	264.9	290.4	315.9	346.5	371.9	407.6	453.5	478.9
82.5°	183.4	193.6	224.2	239.5	229.3	224.2	244.6	254.8	259.8	275.1	290.4
85°	15.3	0.0	10.2	35.7	86.6	127.4	137.6	137.6	132.5	142.7	142.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	20.4	15.3
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°	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4
2.5°	13777.1	13603.8	13670.1	13751.6	13634.4	13364.4	13435.7	13405.1	13680.2	13659.9	13935.0
5°	11550.5	11280.5	11311.0	11708.5	11581.1	11718.6	11443.5	11407.9	11458.8	11484.3	11530.1
7.5°	8839.9	8804.3	9110.0	9446.3	9604.2	9441.2	9171.1	9110.0	9053.9	8941.8	9196.6
10°	7214.6	7224.8	7204.4	7459.2	7637.5	7601.8	7438.8	7418.4	7311.4	7270.7	7413.3
12.5°	6440.2	6302.6	6236.4	6154.8	6292.4	6384.1	6312.8	6261.8	6266.9	6317.9	6338.3
15°	5691.2	5604.6	5461.9	5370.2	5436.4	5390.6	5365.1	5467.0	5441.5	5431.3	5553.6
17.5°	4850.5	4921.8	4911.6	4809.7	4896.4	4860.7	4855.6	4784.3	4687.5	4616.1	4656.9
20°	4295.1	4427.6	4529.5	4534.6	4580.5	4575.4	4498.9	4279.9	4208.5	4193.2	4203.4
22.5°	4096.4	4167.8	4290.0	4463.3	4463.3	4381.8	4290.0	4035.3	3969.1	3897.7	3867.2
25°	3938.5	4076.1	4234.0	4254.4	4335.9	4259.5	4111.7	3984.3	3846.8	3750.0	3750.0
27.5°	3857.0	4009.8	4127.0	4162.7	4274.8	4213.6	4060.8	3897.7	3734.7	3729.6	3643.0
30°	3821.3	3964.0	4040.4	4127.0	4178.0	4081.1	4035.3	3862.1	3699.0	3658.3	3515.6
32.5°	3714.3	3918.1	4060.8	4040.4	4081.1	4040.4	3974.2	3831.5	3648.1	3556.4	3541.1
35°	3592.0	3795.8	3948.7	4055.7	4081.1	3994.5	3953.8	3760.2	3510.5	3464.6	3306.7
37.5°	3525.8	3648.1	3836.6	4009.8	4045.5	3999.6	3862.1	3663.4	3413.7	3362.7	3225.2
40°	3444.3	3602.2	3750.0	3892.6	3999.6	3887.5	3729.6	3536.0	3423.9	3271.0	3230.3
42.5°	3383.1	3561.5	3683.7	3841.7	3964.0	3816.2	3632.8	3500.3	3342.4	3240.5	3123.3
44°	3362.7	3525.8	3607.3	3800.9	3902.8	3790.7	3637.9	3500.3	3316.9	3225.2	3123.3
45°	3291.4	3515.6	3602.2	3775.4	3862.1	3770.3	3576.7	3439.2	3306.7	3194.6	3087.6
47.5°	3220.1	3372.9	3520.7	3658.3	3719.4	3688.8	3525.8	3357.6	3199.7	3133.5	3031.6
50°	3199.7	3352.6	3490.1	3617.5	3688.8	3627.7	3479.9	3316.9	3133.5	3026.5	2939.9
52.5°	3097.8	3286.3	3439.2	3479.9	3571.6	3536.0	3423.9	3245.6	3072.3	2980.6	2909.3
55°	2950.0	3148.8	3357.6	3408.6	3541.1	3485.0	3316.9	3148.8	3001.0	2863.4	2771.7
57.5°	2894.0	3087.6	3291.4	3357.6	3439.2	3347.5	3306.7	3128.4	2894.0	2822.7	2680.0
60°	2751.3	2995.9	3164.0	3316.9	3322.0	3296.5	3225.2	3021.4	2827.8	2695.3	2593.4
62.5°	2639.2	2868.5	3001.0	3143.7	3230.3	3158.9	3087.6	2899.1	2690.2	2542.4	2425.3
65°	2476.2	2685.1	2797.2	2883.8	2980.6	2970.4	2848.1	2710.6	2491.5	2374.3	2262.2
67.5°	2226.5	2410.0	2562.8	2644.3	2705.5	2690.2	2598.5	2501.7	2277.5	2160.3	2078.8
70°	1925.9	2114.5	2211.3	2257.1	2318.3	2348.8	2277.5	2231.6	2032.9	1880.1	1803.7
72.5°	1548.9	1671.2	1813.8	1854.6	1880.1	1900.5	1900.5	1859.7	1655.9	1594.8	1462.3
75°	1141.3	1238.1	1345.1	1345.1	1391.0	1396.0	1406.2	1380.8	1227.9	1146.4	1115.8
77.5°	774.4	845.8	932.4	968.1	998.6	993.5	988.4	917.1	835.6	799.9	769.4
80°	504.4	575.7	616.5	662.4	692.9	687.8	698.0	647.1	611.4	550.3	560.5
82.5°	300.6	356.7	397.4	453.5	453.5	468.7	468.7	453.5	417.8	387.2	387.2
85°	142.7	188.5	214.0	249.7	270.0	275.1	244.6	208.9	173.2	157.9	173.2
87.5°	25.5	35.7	51.0	45.9	56.0	51.0	51.0	51.0	51.0	40.8	45.9
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: P533982

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4	15565.4
2.5°	13833.1	14087.9	14266.2	14561.7	15071.2	15478.8	15896.6	16207.4	16243.1	16334.8
5°	11698.3	11835.8	12289.3	12880.3	13298.1	13986.0	14429.2	15234.2	15534.9	15855.8
7.5°	9135.5	9359.6	9965.9	10363.4	11280.5	12141.5	13033.2	14026.7	14424.1	14470.0
10°	7703.7	8029.8	8442.5	9079.4	9578.7	10536.6	11647.3	12752.9	13196.2	13272.6
12.5°	6766.2	7184.0	7734.3	8192.9	8671.8	9507.4	10572.3	11937.7	12513.5	12859.9
15°	5864.4	6297.5	6903.8	7540.7	7963.6	8962.2	10215.6	11754.3	12503.3	12809.0
17.5°	4937.1	5339.6	5838.9	6526.8	7377.7	8498.6	10159.6	12365.7	13186.0	13542.7
20°	4142.3	4366.5	4947.3	5655.5	6720.4	8024.7	10179.9	13267.5	14470.0	14627.9
22.5°	3831.5	3882.4	4111.7	4763.9	5930.7	7540.7	10541.7	14546.4	15911.9	16431.6
25°	3592.0	3581.8	3643.0	4081.1	5354.9	7352.2	10898.3	15723.4	17511.7	18077.3
27.5°	3459.5	3357.6	3362.7	3775.4	4947.3	7046.5	11356.9	17073.6	19325.6	19575.2
30°	3393.3	3372.9	3311.8	3479.9	4504.0	6587.9	11433.3	18403.4	20395.5	20757.3
32.5°	3352.6	3153.8	3077.4	3138.6	4086.2	6088.6	11718.6	19279.7	21720.3	21562.3
35°	3148.8	2970.4	2919.5	2980.6	3790.7	5808.4	11530.1	20044.0	22713.8	22978.7
37.5°	3072.3	2914.4	2812.5	2761.5	3515.6	5574.0	11433.3	21220.9	23676.8	24313.6
40°	3001.0	2832.9	2710.6	2659.6	3301.6	5263.2	11402.8	22127.9	24787.5	25169.6
42.5°	2919.5	2812.5	2674.9	2583.2	3041.8	4952.4	11051.2	22408.1	25128.9	25541.6
44°	2894.0	2731.0	2588.3	2557.7	2939.9	4794.5	10979.9	22662.8	25424.4	26051.1
45°	2868.5	2715.7	2552.6	2511.9	2904.2	4707.8	10883.1	22724.0	25913.5	26030.7
47.5°	2797.2	2700.4	2542.4	2430.3	2827.8	4519.3	10592.6	22377.5	25414.2	25434.6
50°	2741.1	2629.1	2466.0	2246.9	2725.9	4361.4	10725.1	22250.1	24211.7	24257.6
52.5°	2680.0	2511.9	2420.2	2043.1	2557.7	4228.9	11005.3	22825.9	24349.3	24339.1
55°	2608.7	2425.3	2201.1	1869.9	2277.5	4060.8	11683.0	23962.1	25623.1	25796.3
57.5°	2496.6	2338.6	2017.6	1717.0	1956.5	3739.8	11463.9	21786.5	23574.9	23605.4
60°	2348.8	2201.1	1829.1	1599.9	1604.9	2950.0	10251.3	16976.8	18602.1	19045.4
62.5°	2206.2	2124.6	1671.2	1431.7	1365.5	2348.8	8666.7	14108.2	15967.9	16334.8
65°	2038.0	1839.3	1533.6	1304.3	1171.9	1645.7	6139.6	10541.7	12457.4	12951.7
67.5°	1824.0	1610.0	1350.2	1146.4	1003.7	1100.5	3169.1	5991.8	7933.0	8223.4
70°	1594.8	1396.0	1136.2	968.1	810.1	759.2	1396.0	2858.3	4335.9	4636.5
72.5°	1309.4	1126.0	906.9	764.3	606.3	524.8	468.7	764.3	1538.7	1788.4
75°	947.7	820.3	682.7	545.2	428.0	336.3	275.1	229.3	254.8	275.1
77.5°	698.0	596.1	504.4	387.2	300.6	239.5	188.5	142.7	137.6	132.5
80°	545.2	484.0	402.5	310.8	234.4	178.3	132.5	96.8	86.6	86.6
82.5°	428.0	397.4	331.2	254.8	193.6	142.7	96.8	66.2	56.0	56.0
85°	163.0	163.0	239.5	208.9	147.8	101.9	66.2	35.7	30.6	30.6
87.5°	40.8	40.8	40.8	40.8	35.7	30.6	30.6	15.3	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)