

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: P534242

Luminaire Tested: **GALN-SA9D-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534242
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-SA9D-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1200mA 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: 43681 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

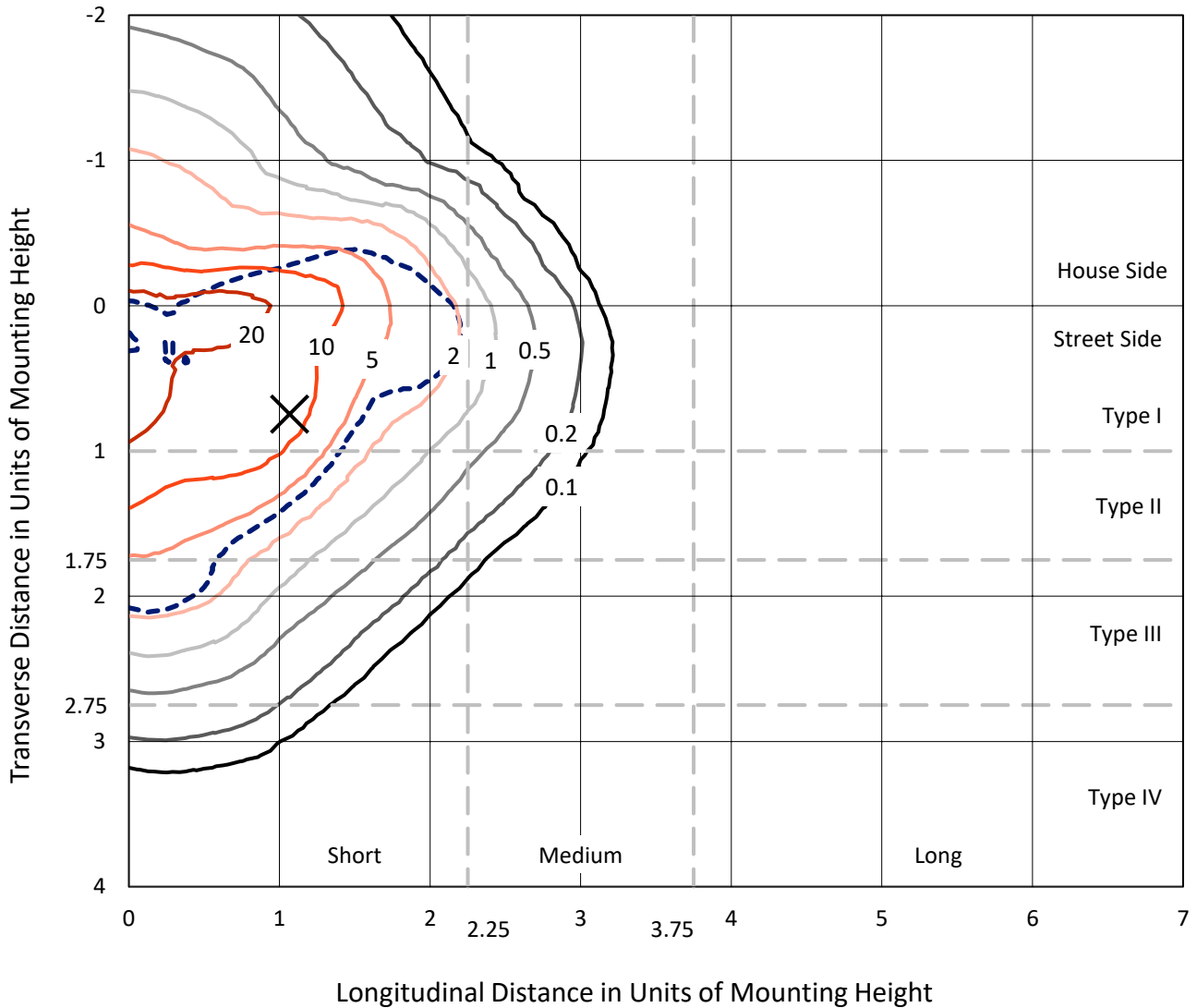
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

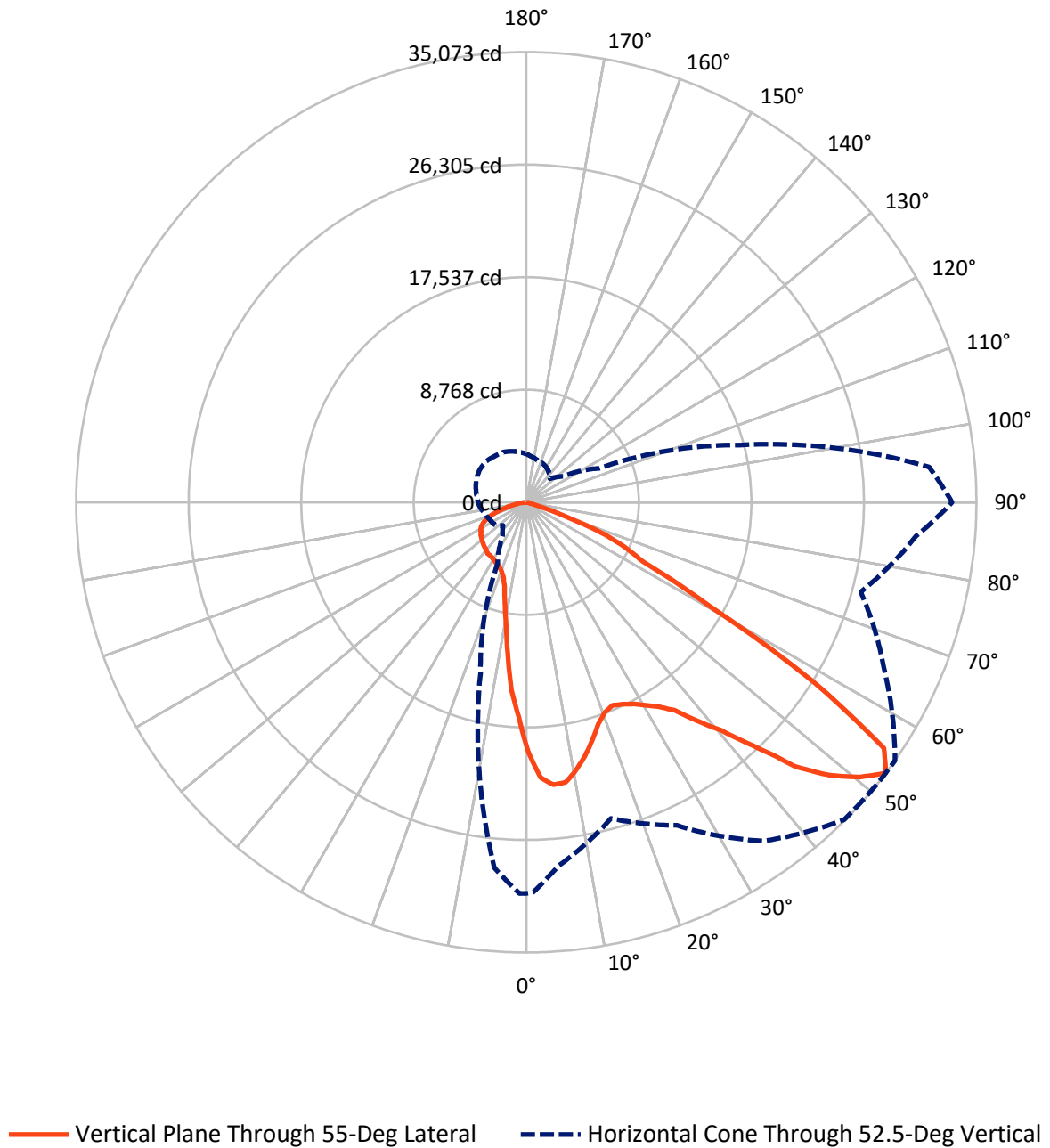
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 33.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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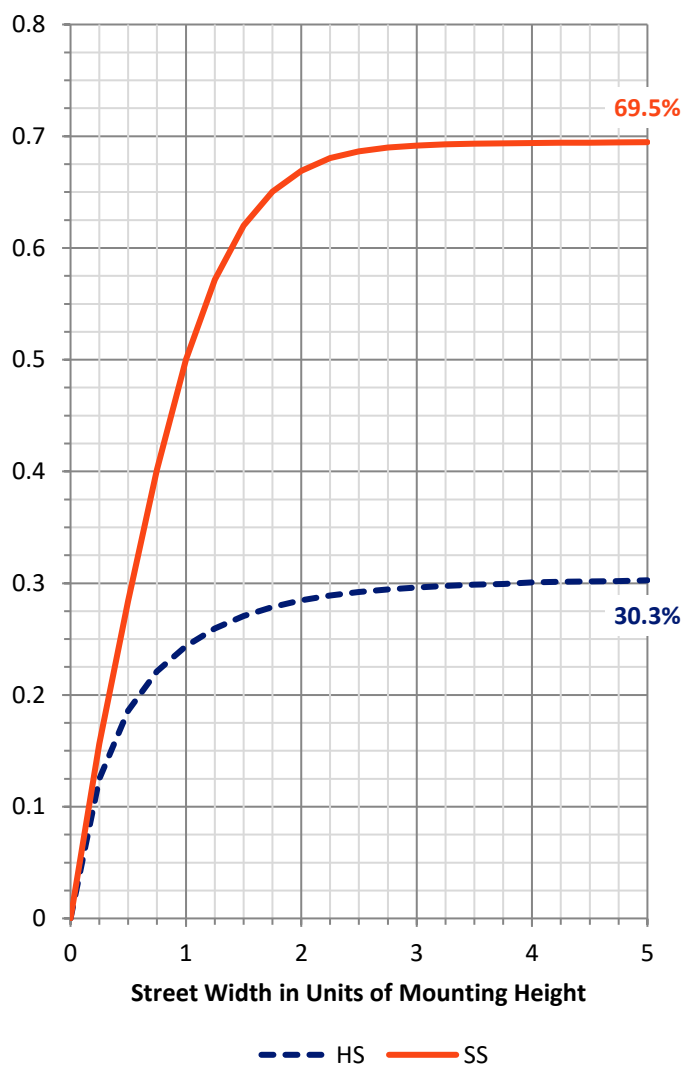
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13325.1	0.0	13325.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	30355.9	0.0	30355.9
	% Fixture	69.5	0.0	69.5
Total	Lumens	43681.0	0.0	43681.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1488.6	3.4
10°-20°	3209.7	7.3
20°-30°	4866.9	11.1
30°-40°	7031.9	16.1
40°-50°	9396.6	21.5
50°-60°	10488.7	24.0
60°-70°	5753.5	13.2
70°-80°	1243.9	2.8
80°-90°	201.2	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°	43681.0	100.0
0°-180°	43681.0	100.0

Coefficient of Utilization



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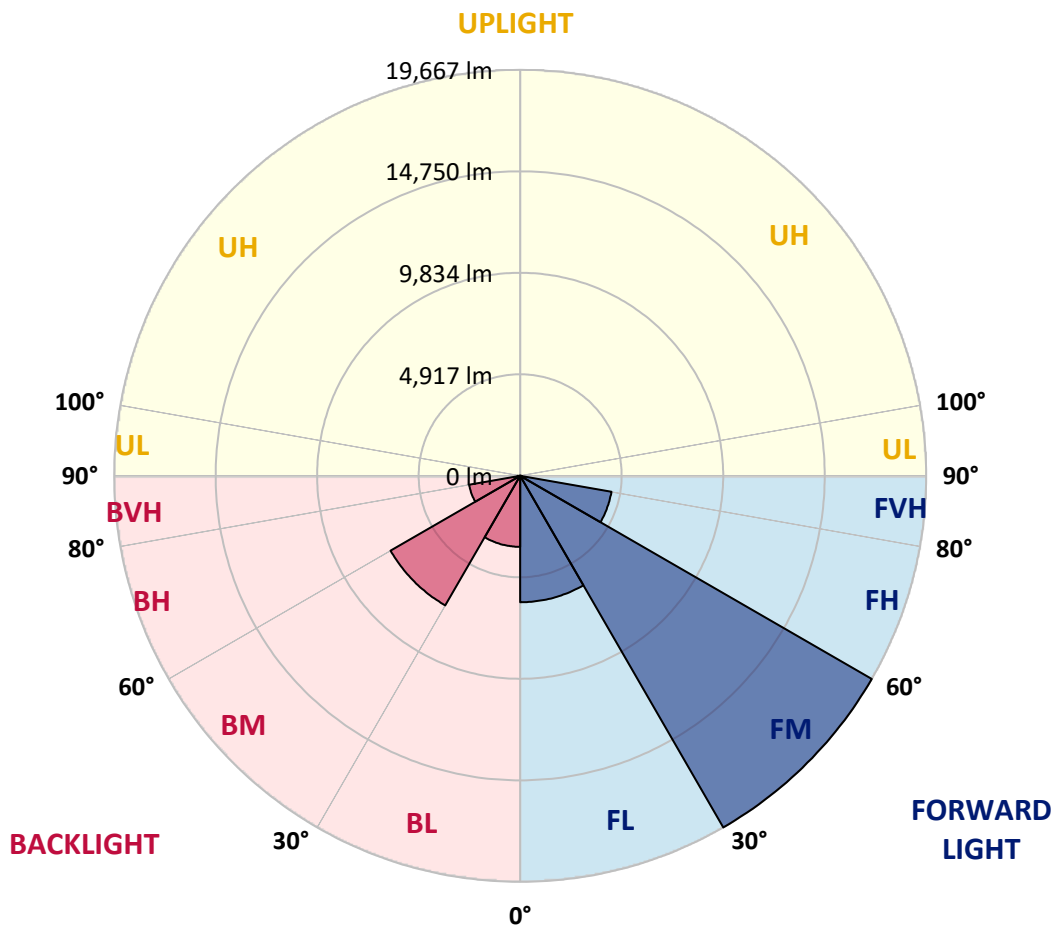
CATALOG NUMBER: GALN-SA9D-727-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6124.9	14.0			
FM (30°-60°)	19667.2	45.0			
FH (60°-80°)	4489.3	10.3			G2/5000
FVH (80°-90°)	74.5	0.2			G1/100
BL (0°-30°)	3440.3	7.9	B4/5000		
BM (30°-60°)	7249.9	16.6	B4/8500		
BH (60°-80°)	2508.1	5.7	B4/5000		G4/5000
BVH (80°-90°)	126.7	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1
2.5°	20448.2	20333.4	20435.4	20920.2	21200.8	21392.2	21513.3	21494.2	21035.0	20588.5	20588.5
5°	19848.7	19702.0	19912.4	21009.5	22112.9	22208.6	22368.0	22106.5	21430.4	20614.0	19593.5
7.5°	18113.8	18222.2	18573.0	20014.5	21449.6	22170.3	22361.6	22030.0	20932.9	19408.6	17909.7
10°	16615.0	16870.1	17680.1	19236.4	20556.6	21494.2	21704.7	21239.1	20371.7	18502.9	17163.5
12.5°	16098.3	15938.9	16838.2	18394.4	19657.3	20161.2	20256.9	20288.7	19702.0	18043.7	16410.9
15°	16034.6	16136.6	16838.2	18018.1	18796.3	18821.8	18981.2	19230.0	19306.5	18356.2	16761.7
17.5°	16953.0	16831.8	17552.5	18490.1	18120.2	17750.3	17788.5	18145.7	18777.1	18624.1	17865.1
20°	18311.5	18585.8	19153.4	19057.8	18062.8	17125.2	17131.6	17469.6	18713.4	19733.9	19402.2
22.5°	20569.4	20837.3	21258.2	20103.8	18062.8	16940.2	16723.4	17182.6	19121.6	21054.1	21137.0
25°	22629.5	23120.6	23235.4	21876.9	18968.5	17112.5	16972.1	17425.0	19529.8	22342.5	23127.0
27.5°	24504.7	24683.3	25187.1	23018.6	19472.3	17227.3	17214.5	17794.9	20046.4	22986.7	24906.5
30°	25984.4	25965.3	26252.3	23739.3	20276.0	17871.4	17252.8	18349.8	20722.5	24051.8	26552.0
32.5°	26992.1	27209.0	27814.9	24740.7	20614.0	18483.7	17999.0	19000.4	21545.2	24555.7	27712.9
35°	28765.2	29141.6	28376.2	25295.6	21685.6	19089.7	18522.0	19886.9	21953.4	25104.2	29135.2
37.5°	30436.3	30149.3	29371.2	25595.3	22380.8	20212.2	19682.8	21602.6	23222.7	26296.9	30079.1
40°	31507.8	31501.5	30117.4	25837.7	22871.9	21927.9	21896.0	23343.9	24778.9	27049.5	31137.9
42.5°	31973.4	32419.9	30423.6	25812.2	23905.1	24007.2	24651.4	25946.1	25882.3	27202.6	31112.4
44°	32611.2	32879.1	30952.9	25869.6	24594.0	25410.4	26928.4	27751.1	26845.4	27119.7	31080.5
45°	32585.7	32604.9	30200.3	25946.1	25180.8	26583.9	27942.5	29332.9	27693.7	26941.1	31501.5
47.5°	31839.5	31622.6	29562.5	25378.5	27011.3	29683.7	30940.2	31782.1	28739.7	26558.4	30978.4
50°	30366.1	30117.4	28012.6	25136.1	27394.0	31609.9	33344.7	33650.9	29690.1	26182.1	30461.8
52.5°	30468.2	30398.0	28452.7	25499.7	27776.6	32215.8	34996.7	35073.2	30768.0	26973.0	30468.2
55°	32292.3	32050.0	29715.6	25952.5	27496.0	31507.8	33944.3	33810.3	30404.4	26494.6	31029.5
57.5°	29549.8	29709.2	27968.0	24160.3	24064.6	25614.5	26686.0	26354.3	25372.1	23911.5	28867.3
60°	23841.3	24294.2	24460.0	20205.8	18158.5	17361.2	17042.3	16455.5	16621.3	19644.6	25359.3
62.5°	20448.2	20422.7	21462.3	18317.9	11895.2	10230.5	10077.4	10211.3	12124.8	19338.4	24836.3
65°	16213.1	16646.8	16965.8	15524.3	9414.1	7596.3	7589.9	8438.2	10492.0	16162.1	20052.8
67.5°	10294.3	10861.9	11257.4	9930.7	6295.2	5408.6	5261.9	6282.4	7271.0	10600.4	12073.7
70°	5804.1	6072.0	6250.5	5727.5	4005.4	2806.4	2640.5	2882.9	4394.5	6862.8	7156.2
72.5°	2238.7	2359.9	2602.3	2621.4	1511.6	905.7	733.5	880.2	1849.6	2717.1	2589.5
75°	344.4	369.9	523.0	625.1	433.7	331.7	350.8	363.6	516.6	701.6	586.8
77.5°	165.8	165.8	159.5	185.0	216.9	236.0	255.1	280.6	306.1	338.0	325.3
80°	108.4	108.4	108.4	127.6	159.5	191.3	216.9	229.6	242.4	267.9	255.1
82.5°	70.2	70.2	70.2	95.7	127.6	159.5	172.2	204.1	229.6	267.9	248.7
85°	38.3	38.3	38.3	63.8	95.7	133.9	127.6	102.0	57.4	6.4	12.8
87.5°	12.8	12.8	12.8	12.8	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°	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1
2.5°	20052.8	19759.4	19733.9	19134.3	18598.5	18337.0	18126.6	17539.8	17667.3	17329.3	17322.9
5°	19083.3	18483.7	17514.3	16717.0	15919.7	15760.3	15065.1	14459.2	14478.3	14044.6	14121.1
7.5°	17342.1	16927.5	15747.5	14497.4	13438.7	12686.0	12029.1	11633.7	11129.8	10957.6	10868.3
10°	16238.7	15728.4	14401.8	12832.7	11646.4	11244.6	10613.2	10262.4	9745.7	9490.6	9312.0
12.5°	15753.9	15007.7	13349.4	11754.8	10964.0	10549.4	10013.6	9375.8	8763.5	8527.5	8202.2
15°	15804.9	14912.0	13043.2	11321.1	10370.8	9567.2	9088.8	8380.8	7755.8	7341.2	7105.2
17.5°	16576.7	15492.4	13183.5	10989.5	9624.6	8616.8	7679.2	6913.9	6416.4	6103.8	6027.3
20°	18400.8	16927.5	13419.5	10453.7	8878.3	7621.8	6467.4	5670.1	5287.4	5281.1	5287.4
22.5°	19918.8	18458.2	13897.9	10134.8	8132.1	6346.2	5198.2	4943.0	4866.5	5025.9	5045.1
25°	21966.2	20180.3	14720.7	9969.0	7443.2	5408.6	4700.7	4605.0	4598.6	4802.7	4809.1
27.5°	24064.6	21685.6	15211.8	9484.2	6741.7	4923.9	4400.9	4381.8	4483.8	4700.7	4681.5
30°	25493.3	22948.4	16098.3	8903.8	5912.5	4496.6	4279.7	4305.2	4445.5	4611.4	4636.9
32.5°	27158.0	24192.1	16327.9	8584.9	5402.3	4139.4	3986.3	4043.7	4222.3	4483.8	4624.1
35°	29065.0	25072.3	16678.7	8151.2	5210.9	3865.1	3788.6	3852.4	4069.2	4241.4	4394.5
37.5°	30474.6	26628.6	16742.5	7813.2	5000.4	3712.1	3590.9	3801.3	3928.9	4171.3	4247.8
40°	31520.6	27757.5	16908.4	7602.7	4834.6	3514.3	3514.3	3654.7	3826.9	4050.1	4203.2
42.5°	32190.3	28580.3	17029.5	7411.4	4515.7	3456.9	3425.0	3565.4	3795.0	4011.8	4082.0
44°	32598.5	28931.1	16908.4	7232.8	4426.4	3386.8	3386.8	3508.0	3686.5	3941.7	4024.6
45°	32700.5	29371.2	16640.5	7226.4	4318.0	3303.9	3291.1	3520.7	3641.9	3954.4	4005.4
47.5°	33096.0	29913.3	16672.4	7022.3	4056.5	3106.1	3329.4	3431.4	3539.8	3814.1	3986.3
50°	33083.2	30251.3	16602.2	6722.5	3865.1	2882.9	3252.8	3367.6	3476.1	3756.7	3826.9
52.5°	33172.5	31514.2	17246.4	6244.2	3520.7	2595.9	2997.7	3252.8	3386.8	3622.8	3769.5
55°	33127.9	32234.9	17884.2	5887.0	3036.0	2423.7	2780.9	3080.6	3272.0	3520.7	3590.9
57.5°	30257.7	28491.0	16551.2	5217.3	2513.0	2219.6	2474.7	2902.0	3144.4	3399.5	3488.8
60°	24721.5	21959.8	13649.1	3839.6	2066.5	2041.0	2302.5	2844.6	2946.7	3169.9	3323.0
62.5°	22846.4	19261.9	10823.6	2933.9	1766.7	1868.8	2123.9	2570.4	2729.8	3004.1	3144.4
65°	17877.8	12794.5	6703.4	1983.6	1556.3	1677.4	1919.8	2251.5	2513.0	2768.1	2933.9
67.5°	10587.7	6990.4	3316.6	1390.4	1358.5	1486.1	1734.8	1983.6	2283.4	2564.0	2646.9
70°	5765.8	3437.8	1415.9	1058.8	1154.4	1269.2	1511.6	1683.8	1970.8	2187.7	2328.0
72.5°	1849.6	1046.0	708.0	784.5	880.2	1014.1	1160.8	1371.3	1575.4	1703.0	1817.8
75°	446.5	440.1	503.9	548.5	637.8	739.9	861.0	969.5	1128.9	1250.1	1352.2
77.5°	312.5	338.0	389.1	452.8	484.7	523.0	599.5	682.5	752.6	841.9	905.7
80°	242.4	261.5	299.8	331.7	363.6	395.4	433.7	465.6	510.2	567.7	599.5
82.5°	229.6	242.4	280.6	299.8	287.0	280.6	306.1	318.9	325.3	344.4	363.6
85°	19.1	0.0	12.8	44.6	108.4	159.5	172.2	172.2	165.8	178.6	178.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	25.5	19.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1
2.5°	17246.4	17029.5	17112.5	17214.5	17067.8	16729.8	16819.1	16780.8	17125.2	17099.7	17444.1
5°	14459.2	14121.1	14159.4	14656.9	14497.4	14669.6	14325.2	14280.6	14344.4	14376.2	14433.6
7.5°	11066.0	11021.4	11404.0	11825.0	12022.7	11818.6	11480.6	11404.0	11333.9	11193.6	11512.5
10°	9031.4	9044.2	9018.6	9337.5	9560.8	9516.1	9312.0	9286.5	9152.6	9101.6	9280.1
12.5°	8061.9	7889.7	7806.8	7704.7	7877.0	7991.8	7902.5	7838.7	7845.1	7908.8	7934.4
15°	7124.3	7015.9	6837.3	6722.5	6805.4	6748.0	6716.1	6843.7	6811.8	6799.1	6952.1
17.5°	6072.0	6161.2	6148.5	6020.9	6129.4	6084.7	6078.3	5989.0	5867.9	5778.6	5829.6
20°	5376.7	5542.6	5670.1	5676.5	5733.9	5727.5	5631.9	5357.6	5268.3	5249.2	5261.9
22.5°	5128.0	5217.3	5370.4	5587.2	5587.2	5485.2	5370.4	5051.5	4968.5	4879.2	4841.0
25°	4930.3	5102.5	5300.2	5325.7	5427.8	5332.1	5147.1	4987.7	4815.5	4694.3	4694.3
27.5°	4828.2	5019.6	5166.3	5210.9	5351.2	5274.7	5083.3	4879.2	4675.1	4668.8	4560.3
30°	4783.6	4962.2	5057.8	5166.3	5230.0	5108.9	5051.5	4834.6	4630.5	4579.5	4400.9
32.5°	4649.6	4904.8	5083.3	5057.8	5108.9	5057.8	4974.9	4796.3	4566.7	4451.9	4432.8
35°	4496.6	4751.7	4943.0	5077.0	5108.9	5000.4	4949.4	4707.0	4394.5	4337.1	4139.4
37.5°	4413.6	4566.7	4802.7	5019.6	5064.2	5006.8	4834.6	4585.9	4273.3	4209.5	4037.3
40°	4311.6	4509.3	4694.3	4872.9	5006.8	4866.5	4668.8	4426.4	4286.1	4094.7	4043.7
42.5°	4235.1	4458.3	4611.4	4809.1	4962.2	4777.2	4547.6	4381.8	4184.0	4056.5	3909.8
44°	4209.5	4413.6	4515.7	4758.1	4885.6	4745.3	4554.0	4381.8	4152.1	4037.3	3909.8
45°	4120.3	4400.9	4509.3	4726.2	4834.6	4719.8	4477.4	4305.2	4139.4	3999.1	3865.1
47.5°	4031.0	4222.3	4407.3	4579.5	4656.0	4617.7	4413.6	4203.2	4005.4	3922.5	3795.0
50°	4005.4	4196.8	4369.0	4528.5	4617.7	4541.2	4356.2	4152.1	3922.5	3788.6	3680.2
52.5°	3877.9	4113.9	4305.2	4356.2	4471.1	4426.4	4286.1	4062.9	3846.0	3731.2	3641.9
55°	3692.9	3941.7	4203.2	4267.0	4432.8	4362.6	4152.1	3941.7	3756.7	3584.5	3469.7
57.5°	3622.8	3865.1	4120.3	4203.2	4305.2	4190.4	4139.4	3916.2	3622.8	3533.5	3354.9
60°	3444.2	3750.3	3960.8	4152.1	4158.5	4126.6	4037.3	3782.2	3539.8	3374.0	3246.5
62.5°	3303.9	3590.9	3756.7	3935.3	4043.7	3954.4	3865.1	3629.1	3367.6	3182.7	3036.0
65°	3099.8	3361.3	3501.6	3610.0	3731.2	3718.4	3565.4	3393.2	3118.9	2972.2	2831.9
67.5°	2787.2	3016.8	3208.2	3310.2	3386.8	3367.6	3252.8	3131.6	2851.0	2704.3	2602.3
70°	2410.9	2646.9	2768.1	2825.5	2902.0	2940.3	2851.0	2793.6	2544.9	2353.5	2257.8
72.5°	1938.9	2092.0	2270.6	2321.6	2353.5	2379.0	2379.0	2328.0	2072.9	1996.3	1830.5
75°	1428.7	1549.9	1683.8	1683.8	1741.2	1747.6	1760.4	1728.5	1537.1	1435.1	1396.8
77.5°	969.5	1058.8	1167.2	1211.8	1250.1	1243.7	1237.4	1148.1	1046.0	1001.4	963.1
80°	631.4	720.7	771.8	829.2	867.4	861.0	873.8	810.0	765.4	688.8	701.6
82.5°	376.3	446.5	497.5	567.7	567.7	586.8	586.8	567.7	523.0	484.7	484.7
85°	178.6	236.0	267.9	312.5	338.0	344.4	306.1	261.5	216.9	197.7	216.9
87.5°	31.9	44.6	63.8	57.4	70.2	63.8	63.8	63.8	63.8	51.0	57.4
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: P534242

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1	19485.1
2.5°	17316.5	17635.5	17858.7	18228.6	18866.4	19376.7	19899.7	20288.7	20333.4	20448.2
5°	14644.1	14816.3	15384.0	16123.8	16646.8	17507.9	18062.8	19070.5	19446.8	19848.7
7.5°	11435.9	11716.6	12475.6	12973.1	14121.1	15199.0	16315.2	17558.9	18056.4	18113.8
10°	9643.7	10051.9	10568.5	11365.8	11990.8	13189.9	14580.3	15964.4	16519.3	16615.0
12.5°	8470.1	8993.1	9682.0	10256.0	10855.5	11901.5	13234.6	14943.9	15664.6	16098.3
15°	7341.2	7883.3	8642.3	9439.6	9969.0	11219.1	12788.1	14714.3	15651.9	16034.6
17.5°	6180.4	6684.3	7309.3	8170.4	9235.5	10638.7	12717.9	15479.7	16506.5	16953.0
20°	5185.4	5466.0	6193.1	7079.7	8412.7	10045.5	12743.4	16608.6	18113.8	18311.5
22.5°	4796.3	4860.1	5147.1	5963.5	7424.1	9439.6	13196.3	18209.5	19918.8	20569.4
25°	4496.6	4483.8	4560.3	5108.9	6703.4	9203.6	13642.8	19682.8	21921.5	22629.5
27.5°	4330.7	4203.2	4209.5	4726.2	6193.1	8820.9	14216.8	21373.0	24192.1	24504.7
30°	4247.8	4222.3	4145.8	4356.2	5638.2	8246.9	14312.5	23037.7	25531.5	25984.4
32.5°	4196.8	3948.0	3852.4	3928.9	5115.2	7621.8	14669.6	24134.7	27189.9	26992.1
35°	3941.7	3718.4	3654.7	3731.2	4745.3	7271.0	14433.6	25091.5	28433.6	28765.2
37.5°	3846.0	3648.3	3520.7	3456.9	4400.9	6977.6	14312.5	26564.8	29639.0	30436.3
40°	3756.7	3546.2	3393.2	3329.4	4133.0	6588.6	14274.2	27700.1	31029.5	31507.8
42.5°	3654.7	3520.7	3348.5	3233.7	3807.7	6199.5	13834.1	28050.9	31456.8	31973.4
44°	3622.8	3418.7	3240.1	3201.8	3680.2	6001.8	13744.8	28369.8	31826.7	32611.2
45°	3590.9	3399.5	3195.4	3144.4	3635.5	5893.4	13623.6	28446.3	32439.0	32585.7
47.5°	3501.6	3380.4	3182.7	3042.4	3539.8	5657.4	13260.1	28012.6	31814.0	31839.5
50°	3431.4	3291.1	3087.0	2812.7	3412.3	5459.7	13425.9	27853.2	30308.7	30366.1
52.5°	3354.9	3144.4	3029.6	2557.6	3201.8	5293.8	13776.7	28573.9	30481.0	30468.2
55°	3265.6	3036.0	2755.3	2340.8	2851.0	5083.3	14625.0	29996.2	32075.5	32292.3
57.5°	3125.3	2927.5	2525.7	2149.4	2449.2	4681.5	14350.7	27272.8	29511.5	29549.8
60°	2940.3	2755.3	2289.7	2002.7	2009.1	3692.9	12832.7	21251.8	23286.5	23841.3
62.5°	2761.7	2659.7	2092.0	1792.2	1709.3	2940.3	10849.2	17661.0	19989.0	20448.2
65°	2551.2	2302.5	1919.8	1632.8	1467.0	2060.1	7685.6	13196.3	15594.5	16213.1
67.5°	2283.4	2015.5	1690.2	1435.1	1256.5	1377.7	3967.2	7500.6	9930.7	10294.3
70°	1996.3	1747.6	1422.3	1211.8	1014.1	950.3	1747.6	3578.1	5427.8	5804.1
72.5°	1639.2	1409.6	1135.3	956.7	759.0	656.9	586.8	956.7	1926.2	2238.7
75°	1186.3	1026.9	854.7	682.5	535.8	421.0	344.4	287.0	318.9	344.4
77.5°	873.8	746.2	631.4	484.7	376.3	299.8	236.0	178.6	172.2	165.8
80°	682.5	605.9	503.9	389.1	293.4	223.2	165.8	121.2	108.4	108.4
82.5°	535.8	497.5	414.6	318.9	242.4	178.6	121.2	82.9	70.2	70.2
85°	204.1	204.1	299.8	261.5	185.0	127.6	82.9	44.6	38.3	38.3
87.5°	51.0	51.0	51.0	51.0	44.6	38.3	38.3	19.1	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)