

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: P533384

Luminaire Tested: **GALN-SA8D-740-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533384
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-SA8D-740-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 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: 46523 lumens
Efficiency: N/A
Efficacy: 94.4 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

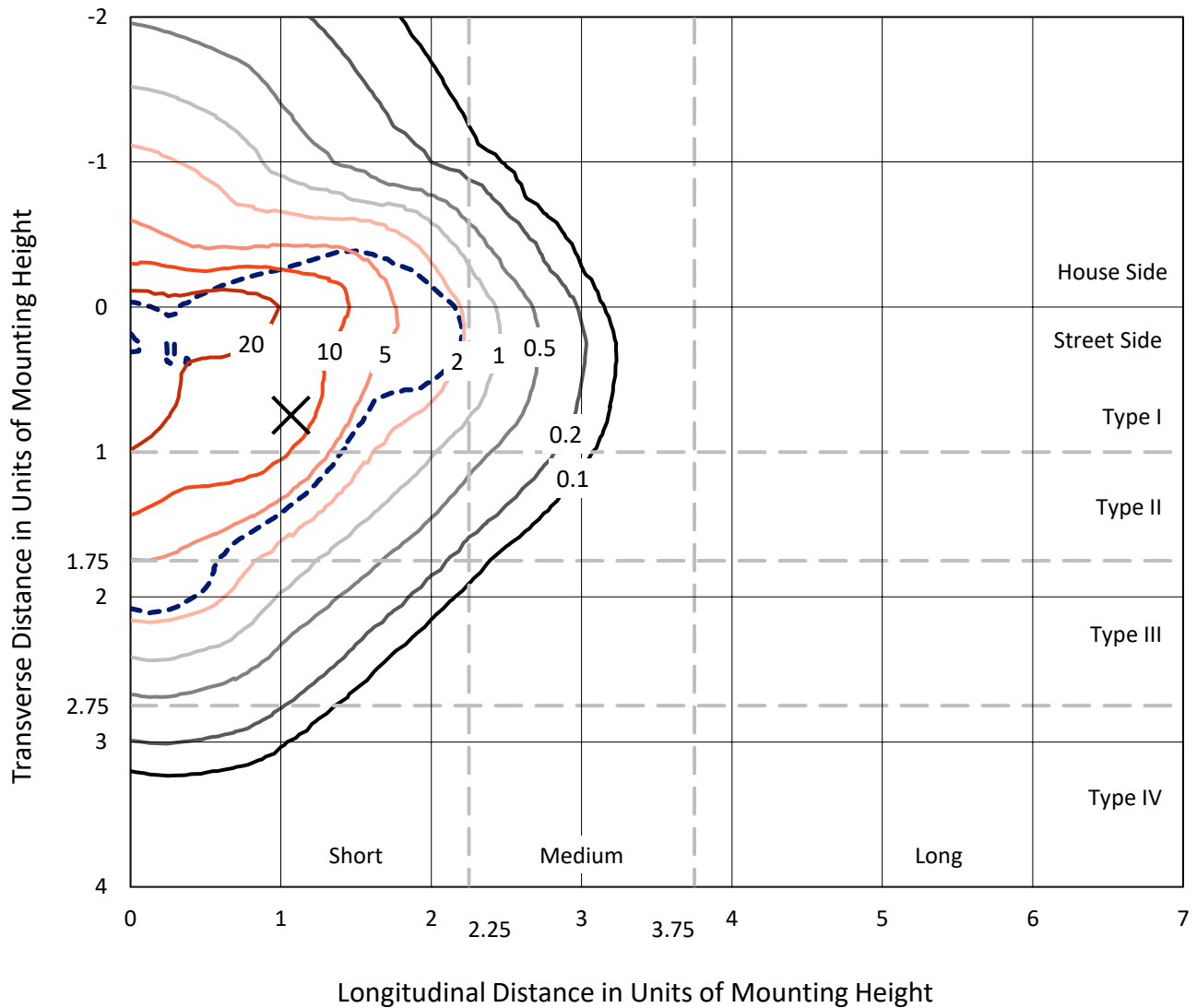
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

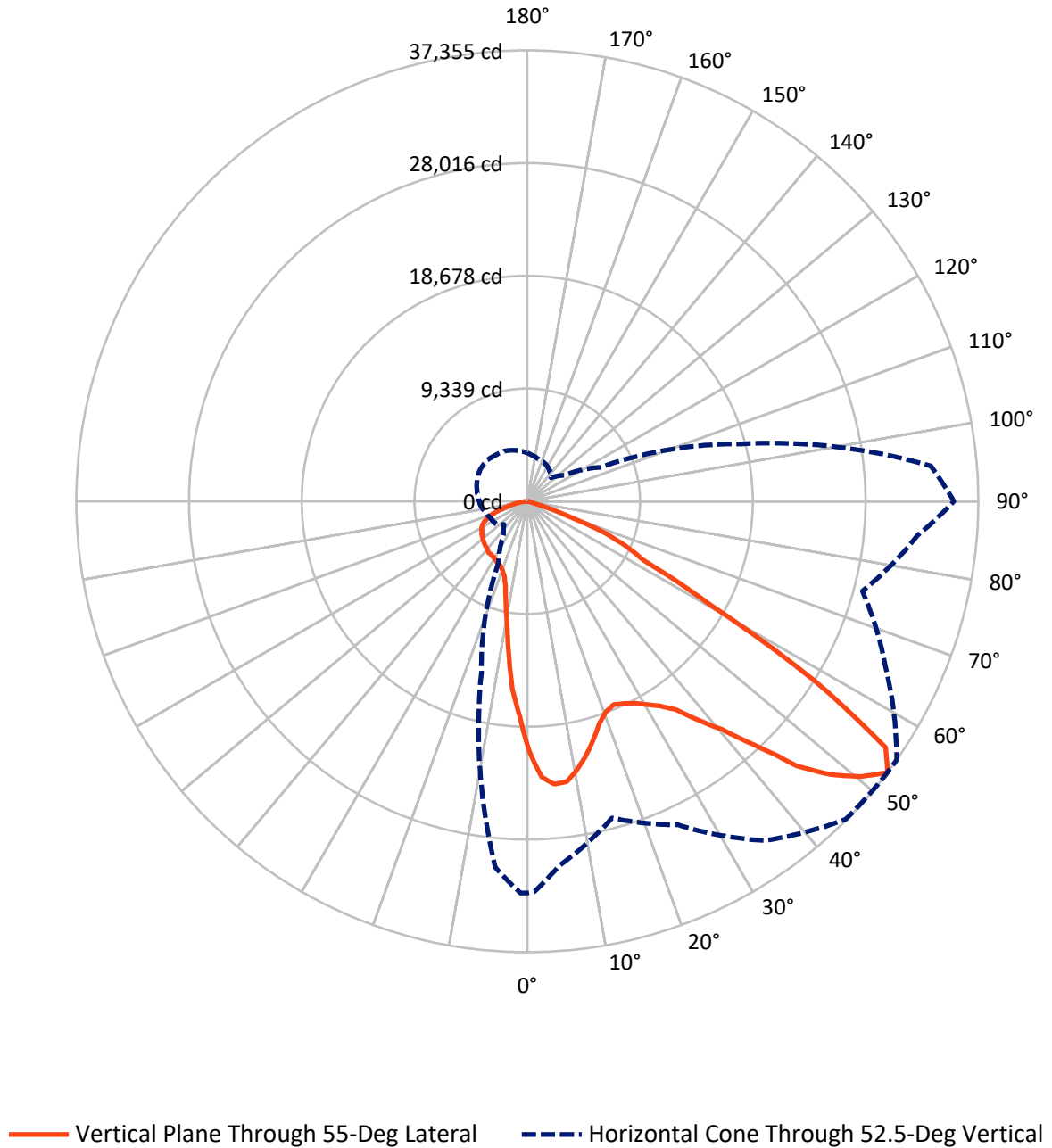
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 35.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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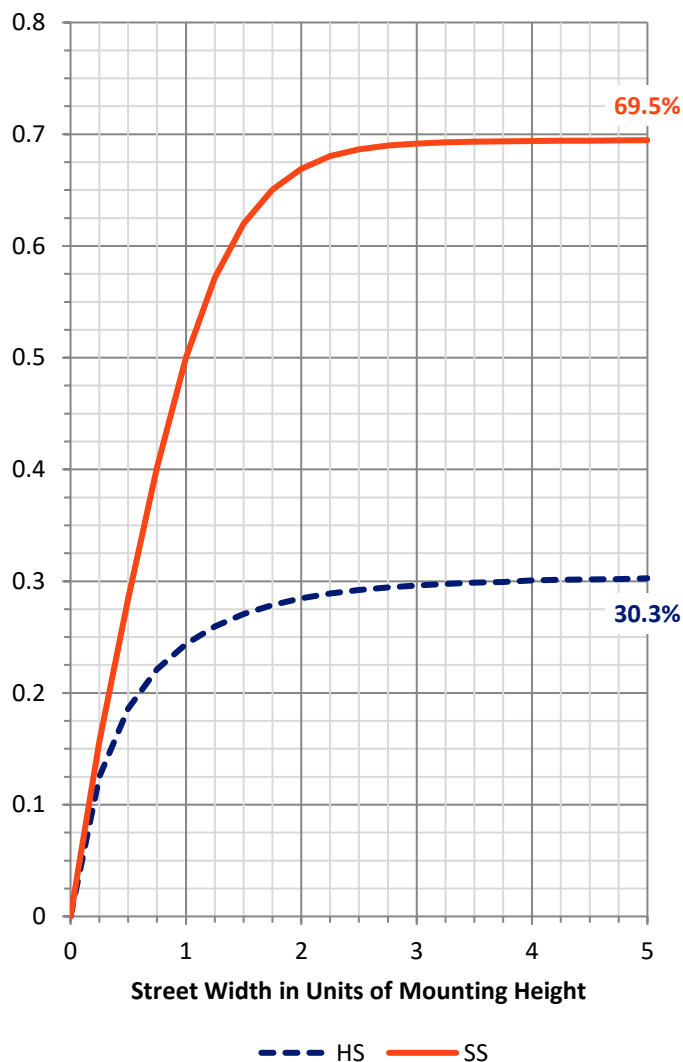
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14192.0	0.0	14192.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	32331.0	0.0	32331.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	46523.0	0.0	46523.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1585.5	3.4
10°-20°	3418.5	7.3
20°-30°	5183.6	11.1
30°-40°	7489.4	16.1
40°-50°	10007.9	21.5
50°-60°	11171.1	24.0
60°-70°	6127.8	13.2
70°-80°	1324.8	2.8
80°-90°	214.3	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°	46523.0	100.0
0°-180°	46523.0	100.0

Coefficient of Utilization

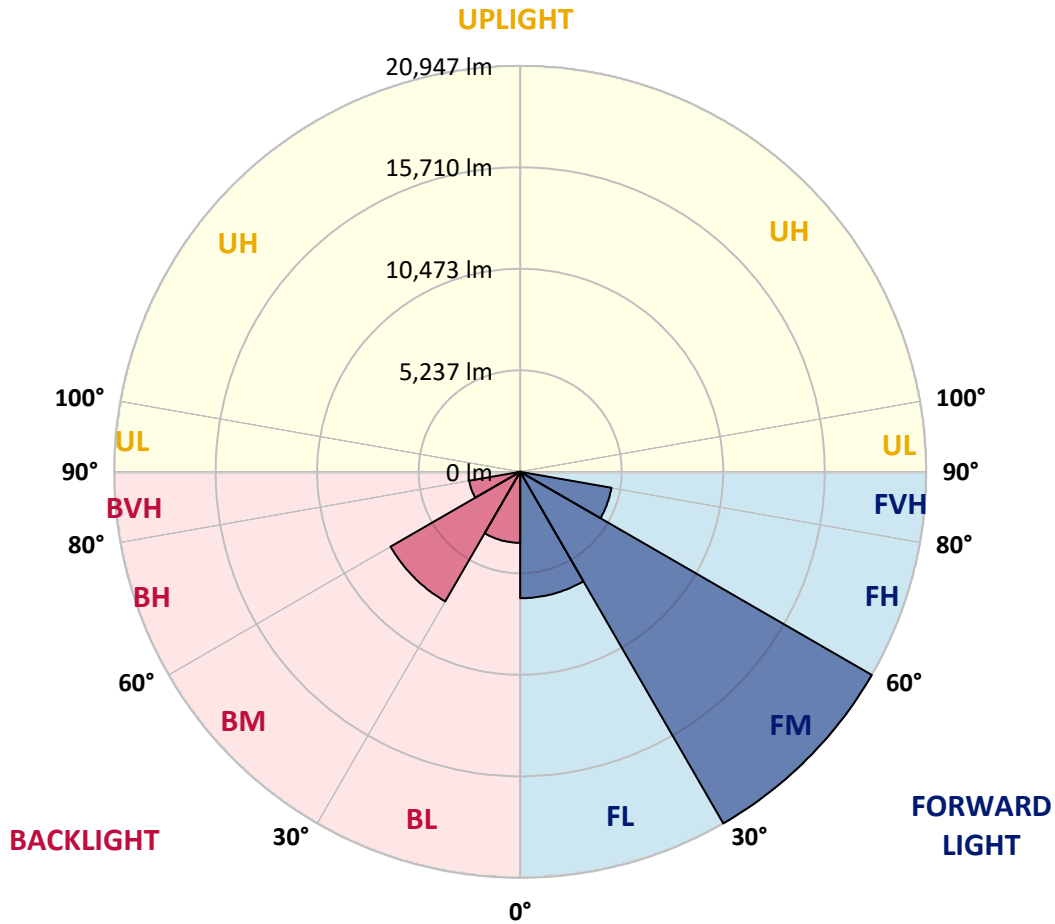


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6523.4	14.0			
FM (30°-60°)	20946.8	45.0			
FH (60°-80°)	4781.4	10.3			G2/5000
FVH (80°-90°)	79.3	0.2			G1/100
BL (0°-30°)	3664.2	7.9	B4/5000		
BM (30°-60°)	7721.6	16.6	B4/8500		
BH (60°-80°)	2671.3	5.7	B4/5000		G4/5000
BVH (80°-90°)	135.0	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°	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9
2.5°	21778.6	21656.3	21765.0	22281.3	22580.2	22784.0	22913.1	22892.7	22403.6	21928.1	21928.1
5°	21140.1	20983.8	21208.0	22376.4	23551.6	23653.5	23823.3	23544.8	22824.7	21955.2	20868.3
7.5°	19292.3	19407.8	19781.4	21316.7	22845.1	23612.7	23816.5	23463.3	22294.9	20671.3	19075.0
10°	17696.0	17967.7	18830.4	20487.9	21894.1	22892.7	23116.8	22621.0	21697.1	19706.7	18280.2
12.5°	17145.7	16975.9	17933.7	19591.2	20936.3	21472.9	21574.8	21608.8	20983.8	19217.6	17478.6
15°	17077.8	17186.5	17933.7	19190.4	20019.2	20046.4	20216.2	20481.1	20562.7	19550.5	17852.2
17.5°	18056.0	17926.9	18694.6	19693.1	19299.1	18905.1	18945.9	19326.3	19998.8	19835.8	19027.4
20°	19502.9	19795.0	20399.6	20297.7	19238.0	18239.4	18246.2	18606.2	19930.9	21017.8	20664.5
22.5°	21907.7	22193.0	22641.3	21411.8	19238.0	18042.4	17811.5	18300.6	20365.7	22424.0	22512.3
25°	24101.8	24624.9	24747.2	23300.3	20202.6	18225.8	18076.4	18558.7	20800.4	23796.2	24631.7
27.5°	26099.0	26289.2	26825.9	24516.2	20739.3	18348.1	18334.5	18952.7	21350.6	24482.3	26527.0
30°	27675.0	27654.6	27960.3	25283.8	21595.2	19034.2	18375.3	19543.7	22070.7	25616.7	28279.6
32.5°	28748.3	28979.3	29624.6	26350.4	21955.2	19686.3	19170.1	20236.6	22947.0	26153.4	29515.9
35°	30636.8	31037.6	30222.4	26941.4	23096.5	20331.7	19727.1	21180.8	23381.8	26737.6	31030.8
37.5°	32416.6	32110.9	31282.1	27260.6	23836.9	21527.3	20963.4	23008.2	24733.6	28007.9	32036.2
40°	33557.8	33551.0	32076.9	27518.8	24360.0	23354.6	23320.6	24862.7	26391.1	28809.4	33163.8
42.5°	34053.7	34529.2	32403.0	27491.6	25460.5	25569.1	26255.3	27634.2	27566.3	28972.5	33136.6
44°	34733.0	35018.3	32966.8	27552.7	26194.1	27063.6	28680.4	29556.7	28592.1	28884.2	33102.7
45°	34705.8	34726.2	32165.2	27634.2	26819.1	28313.6	29760.5	31241.4	29495.5	28694.0	33551.0
47.5°	33911.1	33680.1	31485.9	27029.7	28768.7	31615.0	32953.2	33849.9	30609.6	28286.4	32994.0
50°	32341.8	32076.9	29835.2	26771.5	29176.3	33666.5	35514.2	35840.3	31621.8	27885.6	32443.7
52.5°	32450.5	32375.8	30303.9	27158.7	29583.9	34311.8	37273.6	37355.1	32769.8	28727.9	32450.5
55°	34393.4	34135.2	31649.0	27641.0	29285.0	33557.8	36152.8	36010.1	32382.6	28218.5	33048.3
57.5°	31472.3	31642.2	29787.7	25732.2	25630.3	27281.0	28422.2	28069.0	27022.9	25467.3	30745.5
60°	25392.5	25874.8	26051.5	21520.5	19339.9	18490.8	18151.1	17526.1	17702.8	20922.7	27009.3
62.5°	21778.6	21751.4	22858.7	19509.7	12669.1	10896.1	10733.1	10875.7	12913.6	20596.6	26452.3
65°	17268.0	17729.9	18069.6	16534.4	10026.6	8090.6	8083.8	8987.2	11174.6	17213.7	21357.4
67.5°	10964.0	11568.6	11989.8	10576.8	6704.8	5760.5	5604.3	6691.2	7744.1	11290.1	12859.3
70°	6181.7	6467.0	6657.2	6100.2	4266.1	2989.0	2812.3	3070.5	4680.4	7309.4	7621.8
72.5°	2384.4	2513.4	2771.6	2792.0	1610.0	964.6	781.2	937.4	1970.0	2893.9	2758.0
75°	366.8	394.0	557.0	665.7	461.9	353.2	373.6	387.2	550.2	747.2	625.0
77.5°	176.6	176.6	169.8	197.0	231.0	251.3	271.7	298.9	326.1	360.0	346.4
80°	115.5	115.5	115.5	135.9	169.8	203.8	231.0	244.6	258.1	285.3	271.7
82.5°	74.7	74.7	74.7	101.9	135.9	169.8	183.4	217.4	244.6	285.3	264.9
85°	40.8	40.8	40.8	67.9	101.9	142.7	135.9	108.7	61.1	6.8	13.6
87.5°	13.6	13.6	13.6	13.6	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°	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9
2.5°	21357.4	21045.0	21017.8	20379.2	19808.6	19530.1	19305.9	18681.0	18816.8	18456.8	18450.0
5°	20324.9	19686.3	18653.8	17804.7	16955.5	16785.7	16045.3	15399.9	15420.3	14958.4	15039.9
7.5°	18470.4	18028.8	16772.1	15440.7	14313.0	13511.4	12811.7	12390.6	11853.9	11670.5	11575.4
10°	17295.2	16751.7	15338.8	13667.7	12404.2	11976.2	11303.7	10930.1	10379.8	10108.1	9917.9
12.5°	16778.9	15984.1	14217.9	12519.6	11677.3	11235.8	10665.1	9985.8	9333.7	9082.3	8735.9
15°	16833.3	15882.2	13891.8	12057.7	11045.5	10189.6	9680.1	8926.1	8260.4	7818.8	7567.5
17.5°	17655.2	16500.4	14041.3	11704.5	10250.8	9177.4	8178.9	7363.7	6833.8	6501.0	6419.5
20°	19598.0	18028.8	14292.6	11133.9	9456.0	8117.7	6888.2	6039.0	5631.5	5624.7	5631.5
22.5°	21214.8	19659.2	14802.1	10794.2	8661.2	6759.1	5536.4	5264.6	5183.1	5352.9	5373.3
25°	23395.4	21493.3	15678.4	10617.6	7927.5	5760.5	5006.5	4904.6	4897.8	5115.2	5122.0
27.5°	25630.3	23096.5	16201.5	10101.3	7180.3	5244.3	4687.2	4666.8	4775.5	5006.5	4986.1
30°	27151.9	24441.5	17145.7	9483.1	6297.2	4789.1	4558.2	4585.3	4734.8	4911.4	4938.6
32.5°	28924.9	25766.1	17390.3	9143.5	5753.7	4408.7	4245.7	4306.8	4497.0	4775.5	4925.0
35°	30956.1	26703.6	17763.9	8681.6	5549.9	4116.6	4035.1	4103.0	4334.0	4517.4	4680.4
37.5°	32457.3	28361.1	17831.8	8321.5	5325.8	3953.6	3824.5	4048.7	4184.5	4442.7	4524.2
40°	33571.4	29563.5	18008.5	8097.4	5149.2	3743.0	3743.0	3892.4	4075.8	4313.6	4476.6
42.5°	34284.7	30439.8	18137.5	7893.6	4809.5	3681.8	3647.9	3797.3	4041.9	4272.8	4347.6
44°	34719.4	30813.4	18008.5	7703.4	4714.4	3607.1	3607.1	3736.2	3926.4	4198.1	4286.4
45°	34828.1	31282.1	17723.1	7696.6	4598.9	3518.8	3505.2	3749.8	3878.8	4211.7	4266.1
47.5°	35249.3	31859.5	17757.1	7479.2	4320.4	3308.2	3546.0	3654.7	3770.2	4062.3	4245.7
50°	35235.7	32219.6	17682.4	7159.9	4116.6	3070.5	3464.5	3586.7	3702.2	4001.1	4075.8
52.5°	35330.8	33564.6	18368.5	6650.4	3749.8	2764.8	3192.7	3464.5	3607.1	3858.5	4014.7
55°	35283.3	34332.2	19047.8	6270.0	3233.5	2581.4	2961.8	3281.1	3484.8	3749.8	3824.5
57.5°	32226.4	30344.7	17628.0	5556.7	2676.5	2364.0	2635.7	3090.9	3349.0	3620.7	3715.8
60°	26330.0	23388.6	14537.2	4089.4	2201.0	2173.8	2452.3	3029.7	3138.4	3376.2	3539.2
62.5°	24332.8	20515.1	11527.9	3124.8	1881.7	1990.4	2262.1	2737.6	2907.4	3199.5	3349.0
65°	19041.0	13626.9	7139.5	2112.6	1657.5	1786.6	2044.7	2398.0	2676.5	2948.2	3124.8
67.5°	11276.5	7445.2	3532.4	1480.9	1446.9	1582.8	1847.7	2112.6	2431.9	2730.8	2819.1
70°	6140.9	3661.5	1508.1	1127.7	1229.5	1351.8	1610.0	1793.4	2099.1	2330.0	2479.5
72.5°	1970.0	1114.1	754.0	835.5	937.4	1080.1	1236.3	1460.5	1677.9	1813.8	1936.0
75°	475.5	468.7	536.7	584.2	679.3	788.0	917.1	1032.5	1202.4	1331.4	1440.1
77.5°	332.9	360.0	414.4	482.3	516.3	557.0	638.5	726.9	801.6	896.7	964.6
80°	258.1	278.5	319.3	353.2	387.2	421.2	461.9	495.9	543.4	604.6	638.5
82.5°	244.6	258.1	298.9	319.3	305.7	298.9	326.1	339.7	346.4	366.8	387.2
85°	20.4	0.0	13.6	47.6	115.5	169.8	183.4	183.4	176.6	190.2	190.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	27.2	20.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9
2.5°	18368.5	18137.5	18225.8	18334.5	18178.3	17818.2	17913.3	17872.6	18239.4	18212.2	18579.1
5°	15399.9	15039.9	15080.6	15610.5	15440.7	15624.1	15257.3	15209.7	15277.6	15311.6	15372.7
7.5°	11786.0	11738.4	12146.0	12594.4	12805.0	12587.6	12227.5	12146.0	12071.3	11921.9	12261.5
10°	9619.0	9632.6	9605.4	9945.1	10182.8	10135.3	9917.9	9890.7	9748.1	9693.7	9883.9
12.5°	8586.5	8403.0	8314.7	8206.0	8389.5	8511.7	8416.6	8348.7	8355.5	8423.4	8450.6
15°	7587.9	7472.4	7282.2	7159.9	7248.2	7187.1	7153.1	7289.0	7255.0	7241.4	7404.5
17.5°	6467.0	6562.1	6548.5	6412.7	6528.1	6480.6	6473.8	6378.7	6249.6	6154.5	6208.9
20°	5726.6	5903.2	6039.0	6045.8	6107.0	6100.2	5998.3	5706.2	5611.1	5590.7	5604.3
22.5°	5461.6	5556.7	5719.8	5950.7	5950.7	5842.0	5719.8	5380.1	5291.8	5196.7	5155.9
25°	5251.1	5434.5	5645.0	5672.2	5780.9	5679.0	5482.0	5312.2	5128.8	4999.7	4999.7
27.5°	5142.4	5346.2	5502.4	5549.9	5699.4	5617.9	5414.1	5196.7	4979.3	4972.5	4857.1
30°	5094.8	5285.0	5386.9	5502.4	5570.3	5441.3	5380.1	5149.2	4931.8	4877.4	4687.2
32.5°	4952.2	5223.9	5414.1	5386.9	5441.3	5386.9	5298.6	5108.4	4863.8	4741.6	4721.2
35°	4789.1	5060.8	5264.6	5407.3	5441.3	5325.8	5271.4	5013.3	4680.4	4619.3	4408.7
37.5°	4700.8	4863.8	5115.2	5346.2	5393.7	5332.6	5149.2	4884.2	4551.4	4483.4	4300.0
40°	4592.1	4802.7	4999.7	5189.9	5332.6	5183.1	4972.5	4714.4	4564.9	4361.2	4306.8
42.5°	4510.6	4748.4	4911.4	5122.0	5285.0	5088.0	4843.5	4666.8	4456.3	4320.4	4164.2
44°	4483.4	4700.8	4809.5	5067.6	5203.5	5054.1	4850.3	4666.8	4422.3	4300.0	4164.2
45°	4388.3	4687.2	4802.7	5033.7	5149.2	5026.9	4768.7	4585.3	4408.7	4259.3	4116.6
47.5°	4293.2	4497.0	4694.0	4877.4	4958.9	4918.2	4700.8	4476.6	4266.1	4177.7	4041.9
50°	4266.1	4469.8	4653.3	4823.1	4918.2	4836.7	4639.7	4422.3	4177.7	4035.1	3919.6
52.5°	4130.2	4381.5	4585.3	4639.7	4761.9	4714.4	4564.9	4327.2	4096.2	3974.0	3878.8
55°	3933.2	4198.1	4476.6	4544.6	4721.2	4646.5	4422.3	4198.1	4001.1	3817.7	3695.4
57.5°	3858.5	4116.6	4388.3	4476.6	4585.3	4463.1	4408.7	4171.0	3858.5	3763.4	3573.2
60°	3668.3	3994.3	4218.5	4422.3	4429.1	4395.1	4300.0	4028.3	3770.2	3593.5	3457.7
62.5°	3518.8	3824.5	4001.1	4191.3	4306.8	4211.7	4116.6	3865.3	3586.7	3389.7	3233.5
65°	3301.4	3580.0	3729.4	3844.9	3974.0	3960.4	3797.3	3613.9	3321.8	3165.6	3016.1
67.5°	2968.6	3213.1	3416.9	3525.6	3607.1	3586.7	3464.5	3335.4	3036.5	2880.3	2771.6
70°	2567.8	2819.1	2948.2	3009.3	3090.9	3131.6	3036.5	2975.4	2710.4	2506.6	2404.8
72.5°	2065.1	2228.1	2418.3	2472.7	2506.6	2533.8	2533.8	2479.5	2207.8	2126.2	1949.6
75°	1521.6	1650.7	1793.4	1793.4	1854.5	1861.3	1874.9	1840.9	1637.1	1528.4	1487.7
77.5°	1032.5	1127.7	1243.1	1290.7	1331.4	1324.7	1317.9	1222.8	1114.1	1066.5	1025.8
80°	672.5	767.6	822.0	883.1	923.9	917.1	930.7	862.7	815.2	733.7	747.2
82.5°	400.8	475.5	529.9	604.6	604.6	625.0	625.0	604.6	557.0	516.3	516.3
85°	190.2	251.3	285.3	332.9	360.0	366.8	326.1	278.5	231.0	210.6	231.0
87.5°	34.0	47.6	67.9	61.1	74.7	67.9	67.9	67.9	67.9	54.3	61.1
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: P533384

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9	20752.9
2.5°	18443.2	18782.9	19020.6	19414.6	20093.9	20637.4	21194.4	21608.8	21656.3	21778.6
5°	15596.9	15780.3	16384.9	17172.9	17729.9	18647.0	19238.0	20311.3	20712.1	21140.1
7.5°	12180.0	12478.9	13287.3	13817.1	15039.9	16187.9	17376.7	18701.3	19231.2	19292.3
10°	10271.1	10705.9	11256.1	12105.3	12771.0	14048.1	15529.0	17003.1	17594.1	17696.0
12.5°	9021.2	9578.2	10311.9	10923.3	11561.8	12675.9	14095.6	15916.2	16683.8	17145.7
15°	7818.8	8396.2	9204.6	10053.8	10617.6	11949.0	13620.1	15671.6	16670.2	17077.8
17.5°	6582.5	7119.1	7784.9	8701.9	9836.4	11330.9	13545.4	16486.8	17580.5	18056.0
20°	5522.8	5821.7	6596.1	7540.3	8960.1	10699.1	13572.6	17689.2	19292.3	19502.9
22.5°	5108.4	5176.3	5482.0	6351.5	7907.1	10053.8	14054.9	19394.2	21214.8	21907.7
25°	4789.1	4775.5	4857.1	5441.3	7139.5	9802.4	14530.4	20963.4	23347.8	24101.8
27.5°	4612.5	4476.6	4483.4	5033.7	6596.1	9394.8	15141.8	22763.6	25766.1	26099.0
30°	4524.2	4497.0	4415.5	4639.7	6005.1	8783.5	15243.7	24536.6	27192.7	27675.0
32.5°	4469.8	4204.9	4103.0	4184.5	5448.0	8117.7	15624.1	25705.0	28958.9	28748.3
35°	4198.1	3960.4	3892.4	3974.0	5054.1	7744.1	15372.7	26724.0	30283.5	30636.8
37.5°	4096.2	3885.6	3749.8	3681.8	4687.2	7431.6	15243.7	28293.2	31567.4	32416.6
40°	4001.1	3777.0	3613.9	3546.0	4401.9	7017.3	15202.9	29502.3	33048.3	33557.8
42.5°	3892.4	3749.8	3566.4	3444.1	4055.5	6602.9	14734.2	29876.0	33503.5	34053.7
44°	3858.5	3641.1	3450.9	3410.1	3919.6	6392.3	14639.1	30215.6	33897.5	34733.0
45°	3824.5	3620.7	3403.3	3349.0	3872.1	6276.8	14510.0	30297.1	34549.6	34705.8
47.5°	3729.4	3600.3	3389.7	3240.3	3770.2	6025.5	14122.8	29835.2	33883.9	33911.1
50°	3654.7	3505.2	3287.9	2995.7	3634.3	5814.9	14299.4	29665.4	32280.7	32341.8
52.5°	3573.2	3349.0	3226.7	2724.0	3410.1	5638.3	14673.1	30433.0	32464.1	32450.5
55°	3478.1	3233.5	2934.6	2493.1	3036.5	5414.1	15576.5	31947.9	34162.4	34393.4
57.5°	3328.6	3118.0	2690.1	2289.3	2608.5	4986.1	15284.4	29047.2	31431.6	31472.3
60°	3131.6	2934.6	2438.7	2133.0	2139.8	3933.2	13667.7	22634.5	24801.5	25392.5
62.5°	2941.4	2832.7	2228.1	1908.9	1820.5	3131.6	11555.0	18810.0	21289.5	21778.6
65°	2717.2	2452.3	2044.7	1739.0	1562.4	2194.2	8185.7	14054.9	16609.1	17268.0
67.5°	2431.9	2146.6	1800.2	1528.4	1338.2	1467.3	4225.3	7988.7	10576.8	10964.0
70°	2126.2	1861.3	1514.9	1290.7	1080.1	1012.2	1861.3	3810.9	5780.9	6181.7
72.5°	1745.8	1501.3	1209.2	1019.0	808.4	699.7	625.0	1019.0	2051.5	2384.4
75°	1263.5	1093.7	910.3	726.9	570.6	448.3	366.8	305.7	339.7	366.8
77.5°	930.7	794.8	672.5	516.3	400.8	319.3	251.3	190.2	183.4	176.6
80°	726.9	645.3	536.7	414.4	312.5	237.8	176.6	129.1	115.5	115.5
82.5°	570.6	529.9	441.6	339.7	258.1	190.2	129.1	88.3	74.7	74.7
85°	217.4	217.4	319.3	278.5	197.0	135.9	88.3	47.6	40.8	40.8
87.5°	54.3	54.3	54.3	54.3	47.6	40.8	40.8	20.4	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)