

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P643815

Luminaire Tested: GWS-SA6F-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-760-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39084.6 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

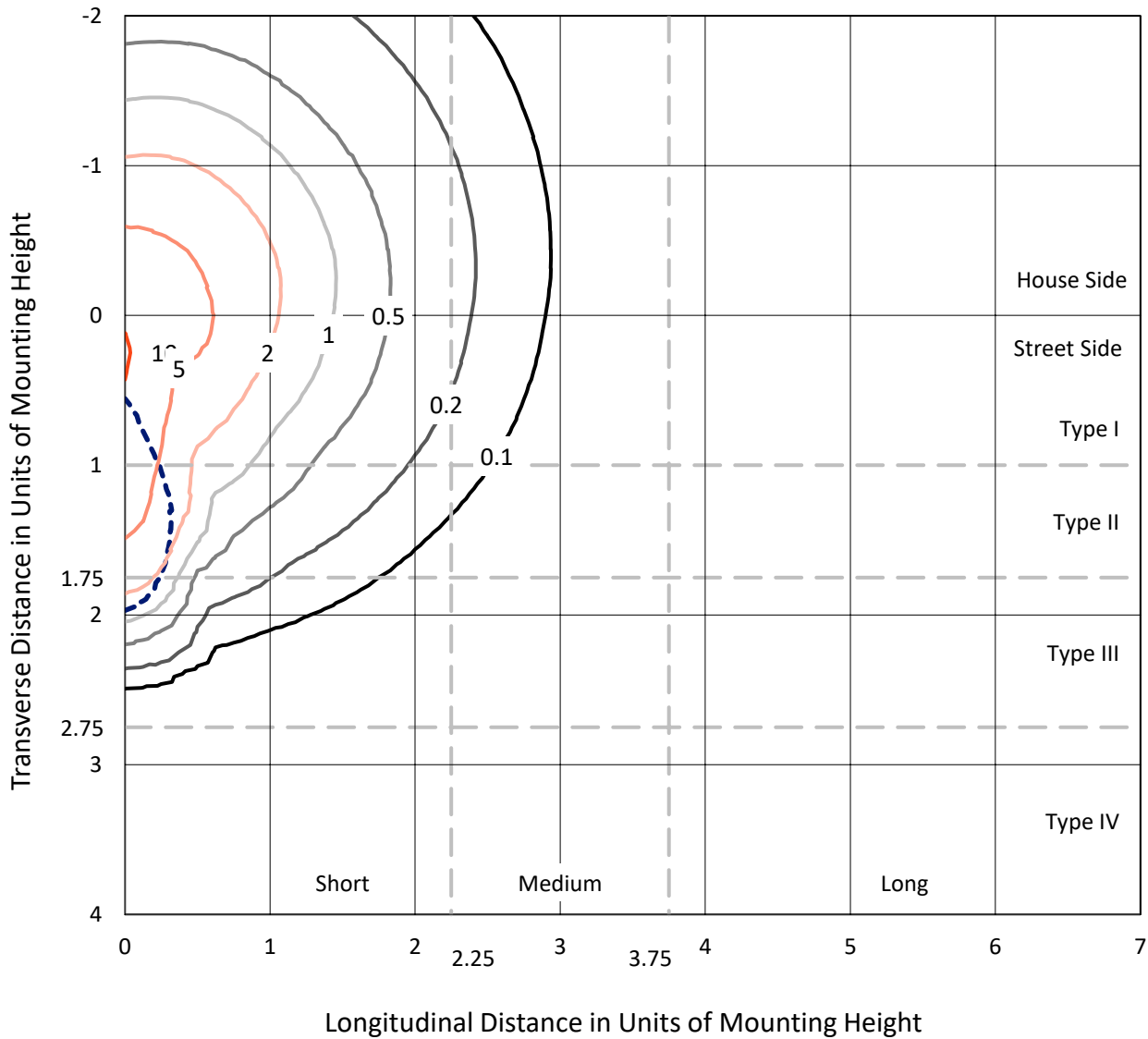
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

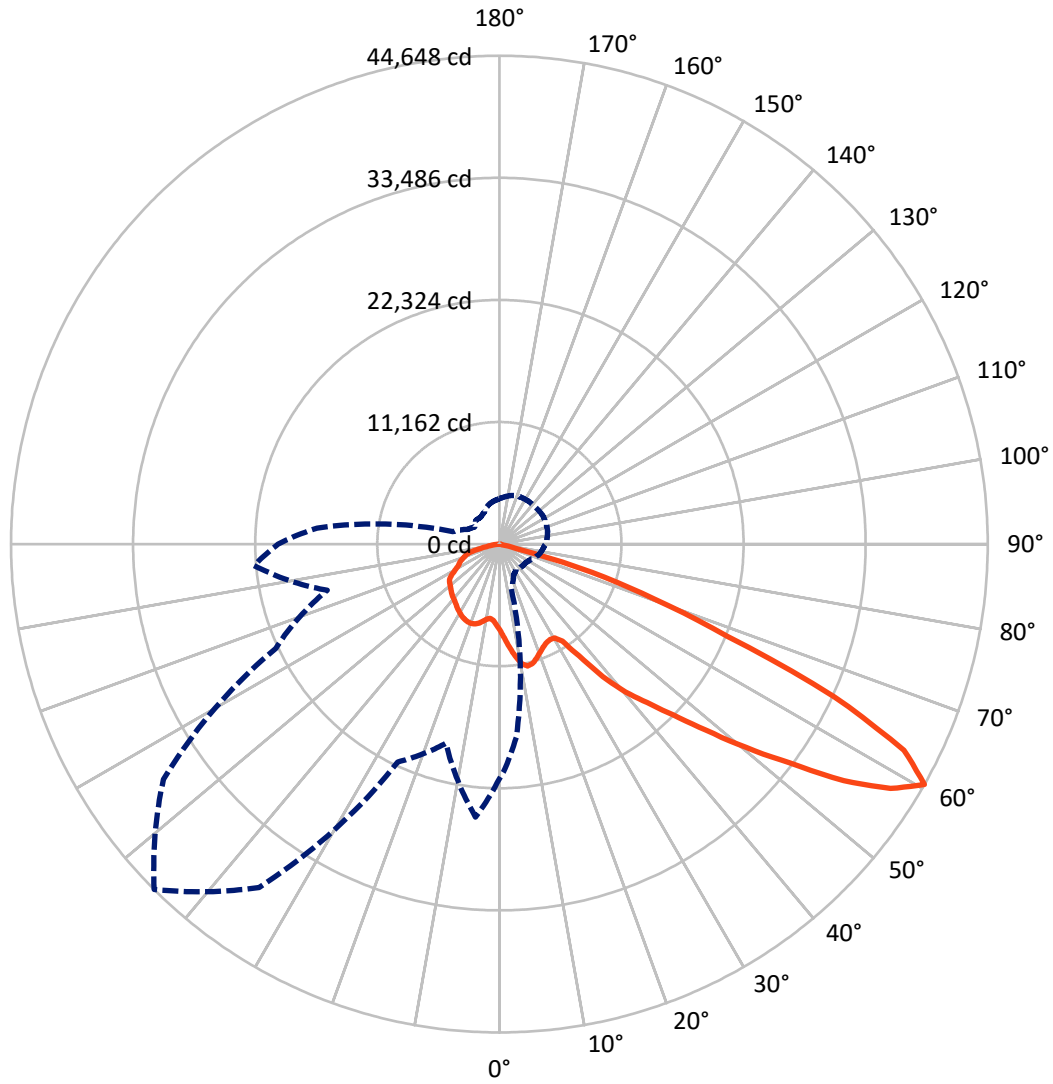
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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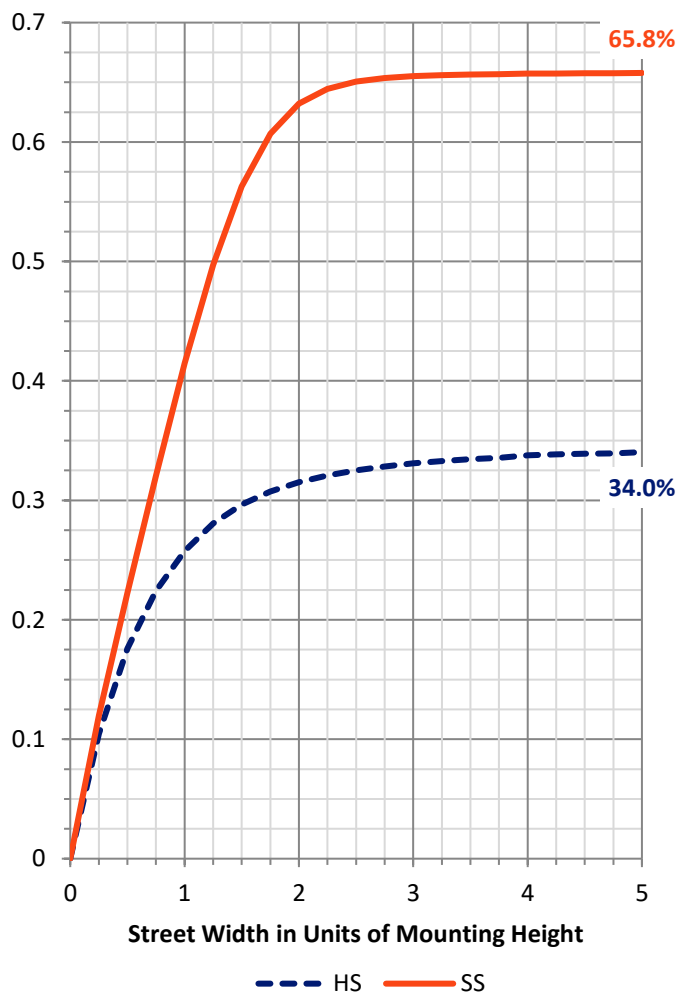
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13370.5	0.0	13370.5
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	25714.1	0.0	25714.1
	% Fixture	65.8	0.0	65.8
Total	Lumens	39084.6	0.0	39084.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	770.2	2.0
10°-20°	2470.3	6.3
20°-30°	4023.1	10.3
30°-40°	5651.6	14.5
40°-50°	7733.6	19.8
50°-60°	9921.8	25.4
60°-70°	6681.0	17.1
70°-80°	1670.3	4.3
80°-90°	162.8	0.4
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°	39084.6	100.0
0°-180°	39084.6	100.0

Coefficient of Utilization



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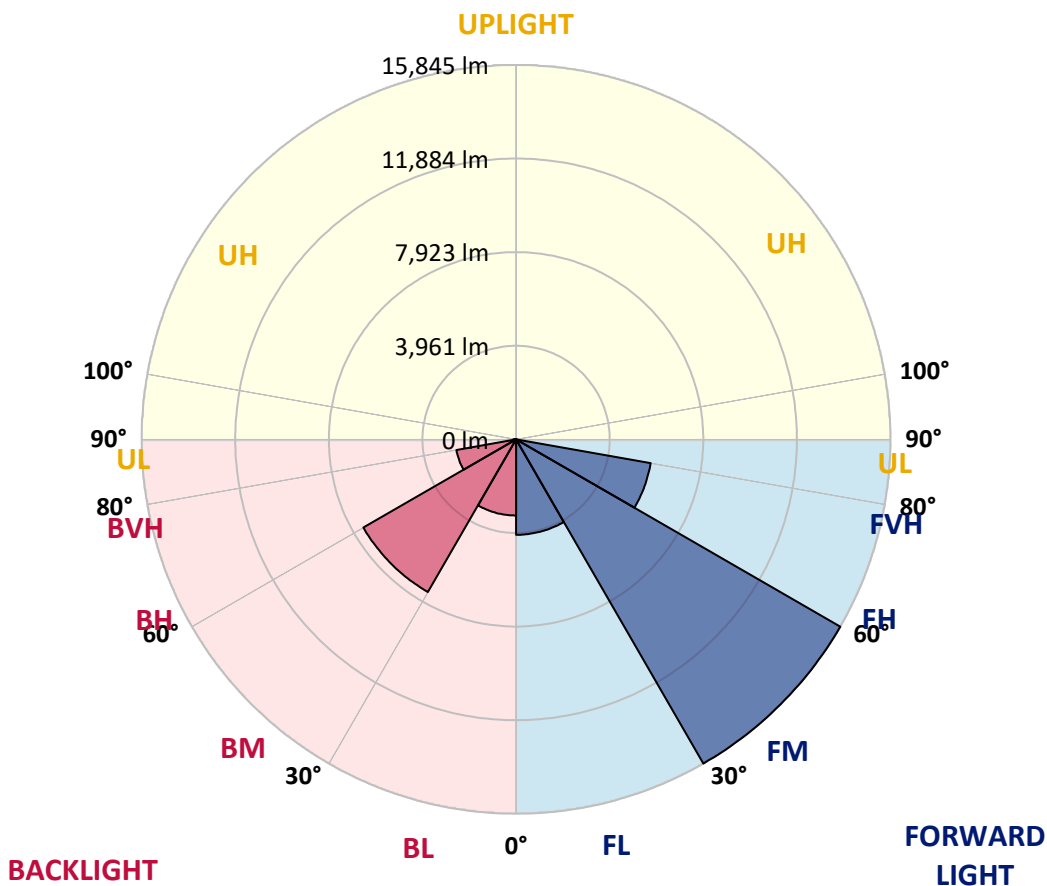
CATALOG NUMBER: GWS-SA6F-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4040.4	10.3			
FM (30°-60°)	15845.2	40.5			
FH (60°-80°)	5786.1	14.8			G3/7500
FVH (80°-90°)	42.3	0.1			G1/100
BL (0°-30°)	3223.1	8.2	B4/5000		
BM (30°-60°)	7461.8	19.1	B4/8500		
BH (60°-80°)	2565.1	6.6	B4/5000		G4/5000
BVH (80°-90°)	120.5	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9
2.5°	8340.1	8322.1	8304.1	8163.7	8127.7	8026.9	7954.9	7865.0	7735.4	7663.4	7602.2
5°	8862.0	8833.2	8736.0	8448.1	8260.9	8055.7	7886.5	7699.4	7501.4	7371.8	7271.0
7.5°	9355.2	9348.0	9182.4	8707.2	8404.9	8109.7	7879.3	7605.8	7321.4	7127.0	6997.5
10°	9812.3	9758.3	9560.3	8941.2	8545.3	8206.9	7958.5	7656.2	7325.0	7062.3	6889.5
12.5°	10215.4	10147.0	9873.5	9157.2	8667.6	8250.1	7980.1	7731.8	7512.2	7292.6	7094.7
15°	10546.6	10463.8	10186.6	9358.8	8775.6	8224.9	7847.0	7652.6	7728.2	7825.4	7605.8
17.5°	10856.2	10769.8	10431.4	9506.3	8808.0	8070.1	7519.4	7436.6	7818.2	8260.9	8160.1
20°	11115.3	11018.1	10625.8	9578.3	8750.4	7775.0	7094.7	7238.6	7742.6	8271.7	8433.7
22.5°	11396.1	11316.9	10845.4	9682.7	8678.4	7368.2	6738.3	7091.1	7613.0	8077.3	8322.1
25°	11846.0	11748.8	11187.3	9866.3	8642.4	6986.7	6482.7	6947.1	7433.0	7854.2	8044.9
27.5°	12497.5	12317.6	11655.2	10186.6	8682.0	6626.7	6320.8	6770.7	7224.2	7584.2	7739.0
30°	13206.6	12990.7	12173.6	10517.8	8739.6	6407.1	6234.4	6569.1	6903.9	7263.8	7433.0
32.5°	14045.3	13854.6	12727.9	10766.2	8617.3	6306.4	6169.6	6349.6	6615.9	6903.9	7044.3
35°	15046.0	14704.0	13332.6	10967.7	8221.3	6158.8	6112.0	6108.4	6248.8	6529.5	6687.9
37.5°	16122.2	15755.1	14077.7	11183.7	7605.8	5924.8	5975.2	5824.0	5953.6	6176.8	6356.8
40°	17004.1	16619.0	14830.0	11478.9	6835.5	5557.7	5672.8	5510.9	5590.1	5820.4	6022.0
42.5°	17868.0	17457.7	15531.9	11813.6	6090.4	5197.7	5255.3	5194.1	5219.3	5460.5	5741.2
45°	19001.9	18541.1	16395.8	12051.2	5420.9	4913.3	4859.4	4755.0	4888.1	5201.3	5500.1
47.5°	20895.2	20344.5	17810.4	12206.0	4934.9	4751.4	4503.0	4441.8	4607.4	4956.5	5266.1
50°	23108.9	22633.8	20070.9	12198.8	4571.4	4614.6	4157.4	4103.5	4377.0	4729.8	5057.3
52.5°	24923.1	24440.7	22003.9	11838.8	4272.6	4323.0	3955.9	3804.7	4179.0	4506.6	4834.2
55°	26388.1	25844.6	22892.9	10334.2	3894.7	3858.7	3736.3	3459.1	3930.7	4283.4	4589.4
57.5°	25599.8	24951.9	21816.7	7857.8	3505.9	3279.2	3358.4	3153.2	3592.3	4035.1	4330.2
60°	21463.9	20880.8	17724.0	4182.6	3084.8	2739.2	2904.8	2937.2	3221.6	3736.3	4038.7
62.5°	14743.6	14318.9	12011.6	2537.7	2433.3	2199.3	2458.5	2692.4	2904.8	3340.4	3603.1
65°	7213.4	7087.5	6007.6	1627.0	1702.6	1778.2	2037.3	2321.7	2634.8	3016.4	3293.6
67.5°	1986.9	2001.3	1821.4	1270.6	1342.6	1551.4	1756.6	1983.3	2296.5	2649.2	2930.0
70°	874.7	889.1	917.9	979.1	1115.9	1306.6	1519.0	1753.0	2040.9	2336.1	2606.1
72.5°	608.3	622.7	665.9	745.1	867.5	1047.5	1249.0	1472.2	1771.0	2019.3	2242.5
75°	374.4	385.1	424.7	493.1	575.9	712.7	910.7	1115.9	1378.6	1605.4	1803.4
77.5°	198.0	190.8	216.0	262.8	334.8	406.7	539.9	669.5	856.7	1040.3	1205.8
80°	108.0	104.4	118.8	144.0	165.6	223.2	313.2	399.5	507.5	611.9	701.9
82.5°	46.8	43.2	46.8	61.2	75.6	108.0	158.4	219.6	280.8	352.8	410.3
85°	0.0	0.0	0.0	3.6	18.0	28.8	54.0	79.2	115.2	158.4	194.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	32.4
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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CATALOG NUMBER: GWS-SA6F-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9
2.5°	7566.2	7476.2	7469.0	7397.0	7404.2	7407.8	7335.8	7307.0	7332.2	7361.0	7346.6
5°	7235.0	7141.4	7101.9	7033.5	7026.3	6993.9	6965.1	6929.1	6954.3	6979.5	6993.9
7.5°	6947.1	6885.9	6860.7	6842.7	6849.9	6835.5	6777.9	6745.5	6741.9	6752.7	6767.1
10°	6853.5	6803.1	6835.5	6885.9	6921.9	6947.1	6885.9	6831.9	6781.5	6759.9	6759.9
12.5°	7055.1	6990.3	7055.1	7109.1	7181.0	7199.0	7130.6	7073.1	7055.1	7076.7	7119.9
15°	7501.4	7350.2	7346.6	7379.0	7436.6	7465.4	7400.6	7371.8	7371.8	7508.6	7616.6
17.5°	7947.7	7699.4	7595.0	7577.0	7613.0	7623.8	7569.8	7544.6	7609.4	7875.7	8077.3
20°	8260.9	7958.5	7731.8	7688.6	7699.4	7703.0	7659.8	7641.8	7735.4	8059.3	8228.5
22.5°	8228.5	8005.3	7728.2	7674.2	7692.2	7685.0	7645.4	7638.2	7713.8	7994.5	8073.7
25°	8005.3	7832.6	7598.6	7562.6	7591.4	7587.8	7548.2	7530.2	7562.6	7749.8	7757.0
27.5°	7749.8	7598.6	7397.0	7386.2	7433.0	7458.2	7389.8	7335.8	7325.0	7451.0	7422.2
30°	7443.8	7332.2	7170.2	7177.4	7263.8	7278.2	7195.4	7116.3	7094.7	7163.0	7123.4
32.5°	7080.3	7044.3	6957.9	6975.9	7058.7	7087.5	7001.1	6918.3	6893.1	6914.7	6831.9
35°	6770.7	6756.3	6763.5	6795.9	6867.9	6889.5	6817.5	6752.7	6716.7	6641.1	6533.1
37.5°	6450.3	6489.9	6594.3	6655.5	6695.1	6687.9	6648.3	6601.5	6543.9	6403.5	6270.4
40°	6151.6	6252.4	6439.5	6507.9	6522.3	6525.9	6497.1	6457.5	6385.5	6198.4	6047.2
42.5°	5921.2	6032.8	6281.2	6385.5	6392.7	6399.9	6371.2	6338.8	6238.0	5989.6	5842.0
45°	5680.0	5827.6	6119.2	6245.2	6238.0	6234.4	6209.2	6194.8	6076.0	5788.0	5626.0
47.5°	5474.9	5647.6	5960.8	6068.8	6065.2	6061.6	6043.6	6043.6	5924.8	5611.7	5428.1
50°	5273.3	5471.3	5798.8	5888.8	5896.0	5888.8	5881.6	5892.4	5752.0	5417.3	5237.3
52.5°	5053.7	5276.9	5618.9	5701.6	5744.8	5762.8	5762.8	5737.6	5572.1	5222.9	5024.9
55°	4812.6	5024.9	5420.9	5532.5	5568.5	5600.9	5600.9	5550.5	5395.7	5042.9	4830.6
57.5°	4513.8	4701.0	5014.1	5125.7	5212.1	5233.7	5233.7	5150.9	5024.9	4686.6	4513.8
60°	4189.8	4351.8	4564.2	4683.0	4747.8	4704.6	4737.0	4715.4	4614.6	4301.4	4157.4
62.5°	3757.9	3923.5	4157.4	4279.8	4308.6	4265.4	4308.6	4305.0	4168.2	3887.5	3714.7
65°	3448.3	3610.3	3840.7	3999.1	4045.9	4035.1	4063.9	4020.7	3851.5	3585.1	3419.5
67.5°	3081.2	3254.0	3520.3	3696.7	3793.9	3804.7	3844.3	3754.3	3581.5	3290.0	3081.2
70°	2732.0	2879.6	3084.8	3250.4	3387.1	3455.5	3462.7	3333.2	3117.2	2876.0	2724.8
72.5°	2364.9	2516.1	2764.4	2944.4	3117.2	3196.4	3196.4	3038.0	2804.0	2537.7	2375.7
75°	1918.5	2058.9	2285.7	2480.1	2678.0	2778.8	2775.2	2638.4	2379.3	2127.3	1958.1
77.5°	1299.4	1403.8	1547.8	1695.4	1724.2	1803.4	1843.0	1670.2	1526.2	1389.4	1238.2
80°	755.9	820.7	899.9	982.7	1000.7	1025.9	961.1	896.3	820.7	730.7	662.3
82.5°	442.7	485.9	525.5	590.3	601.1	608.3	550.7	521.9	460.7	406.7	363.6
85°	216.0	230.4	266.4	298.8	284.4	277.2	252.0	223.2	198.0	176.4	154.8
87.5°	43.2	43.2	64.8	61.2	50.4	43.2	25.2	32.4	7.2	7.2	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9
2.5°	7393.4	7454.6	7530.2	7631.0	7746.2	7868.6	7987.3	8077.3	8167.3	8300.5	8278.9
5°	7015.5	7119.9	7238.6	7393.4	7580.6	7793.0	8030.5	8268.1	8523.7	8739.6	8833.2
7.5°	6795.9	6911.1	7051.5	7253.0	7494.2	7753.4	8088.1	8473.3	8887.2	9171.6	9348.0
10°	6795.9	6943.5	7127.0	7321.4	7533.8	7800.2	8214.1	8696.4	9229.2	9603.5	9808.7
12.5°	7188.2	7335.8	7375.4	7368.2	7487.0	7782.2	8314.9	8930.4	9567.5	9963.5	10215.4
15°	7800.2	7850.6	7551.8	7278.2	7296.2	7652.6	8361.7	9117.6	9859.1	10334.2	10607.8
17.5°	8210.5	8077.3	7544.6	7065.9	6965.1	7433.0	8361.7	9297.6	10168.6	10705.0	10960.5
20°	8242.9	7911.7	7361.0	6860.7	6601.5	7141.4	8304.1	9434.3	10467.4	11061.3	11334.9
22.5°	7958.5	7631.0	7166.6	6684.3	6302.8	6788.7	8210.5	9538.7	10723.0	11396.1	11734.4
25°	7634.6	7361.0	6968.7	6504.3	6097.6	6432.3	8124.1	9715.1	11079.3	11849.6	12191.6
27.5°	7317.8	7087.5	6731.1	6353.2	5982.4	6122.8	8070.1	9974.3	11504.1	12493.9	12789.1
30°	7008.3	6799.5	6475.5	6209.2	5921.2	5921.2	8023.3	10273.0	12065.6	13217.4	13512.6
32.5°	6695.1	6497.1	6234.4	6068.8	5885.2	5842.0	7893.7	10553.8	12645.1	14009.3	14311.7
35°	6403.5	6205.6	6004.0	5935.6	5867.2	5780.8	7573.4	10773.4	13210.2	14934.4	15193.6
37.5°	6130.0	5939.2	5788.0	5770.0	5777.2	5615.3	7069.5	10956.9	13915.7	15881.1	16017.9
40°	5892.4	5680.0	5561.3	5557.7	5593.7	5348.9	6432.3	11219.7	14722.0	16683.8	16626.2
42.5°	5680.0	5456.9	5312.9	5345.3	5323.7	5082.5	5809.6	11460.9	15423.9	17436.1	17320.9
45°	5471.3	5255.3	5053.7	5100.5	5075.3	4916.9	5280.5	11637.2	16201.4	18339.6	18354.0
47.5°	5269.7	5057.3	4855.8	4798.2	4794.6	4866.6	4873.7	11694.8	17468.5	19793.8	19466.2
50°	5082.5	4870.2	4661.4	4467.0	4542.6	4765.8	4571.4	11651.6	19365.4	21399.1	20484.9
52.5°	4888.1	4686.6	4456.2	4107.1	4305.0	4524.6	4301.4	11496.9	20524.5	22817.4	22270.2
55°	4665.0	4474.2	4161.0	3736.3	3977.5	4024.3	4024.3	9999.5	21017.6	24221.2	24559.5
57.5°	4366.2	4114.3	3617.5	3275.6	3491.5	3311.6	3729.1	6997.5	20204.1	23778.4	25092.3
60°	4027.9	3757.9	3232.4	2987.6	3052.4	2735.6	3178.4	4387.8	16745.0	20232.9	22507.8
62.5°	3581.5	3333.2	2897.6	2706.8	2573.7	2231.7	2559.3	2775.2	11478.9	15024.4	16575.8
65°	3282.8	3009.2	2620.5	2368.5	2094.9	1796.2	1699.0	1821.4	6173.2	8408.5	9455.9
67.5°	2930.0	2660.0	2292.9	1976.1	1756.6	1540.6	1371.4	1328.2	2116.5	2800.4	3030.8
70°	2595.3	2336.1	2030.1	1735.0	1515.4	1303.0	1137.4	1018.7	979.1	971.9	957.5
72.5°	2253.3	2012.1	1756.6	1483.0	1241.8	1047.5	899.9	763.1	705.5	687.5	669.5
75°	1846.6	1655.8	1400.2	1105.1	910.7	730.7	615.5	525.5	475.1	457.1	435.5
77.5°	1187.8	1101.5	878.3	712.7	550.7	435.5	374.4	316.8	284.4	277.2	259.2
80°	633.5	590.3	485.9	410.3	327.6	266.4	234.0	201.6	183.6	176.4	169.2
82.5°	352.8	320.4	270.0	237.6	190.8	162.0	144.0	129.6	118.8	115.2	111.6
85°	158.4	136.8	108.0	100.8	90.0	82.8	79.2	72.0	68.4	64.8	61.2
87.5°	7.2	14.4	18.0	14.4	14.4	21.6	25.2	25.2	21.6	21.6	18.0
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: P643815

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9	7882.9
2.5°	8412.1	8520.1	8530.9	8566.9	8520.1	8509.3	8433.7	8390.5	8350.9	8340.1
5°	9067.2	9283.2	9369.6	9430.7	9373.1	9344.4	9178.8	9006.0	8908.8	8862.0
7.5°	9740.3	10064.3	10233.4	10309.0	10316.2	10186.6	9902.3	9578.3	9416.3	9355.2
10°	10341.4	10741.0	10964.1	11108.1	11057.7	10899.3	10510.6	10071.5	9866.3	9812.3
12.5°	10787.8	11169.3	11342.1	11435.7	11432.1	11345.7	10978.5	10503.4	10269.4	10215.4
15°	11075.7	11302.5	11313.3	11334.9	11396.1	11511.3	11320.5	10881.3	10622.2	10546.6
17.5°	11302.5	11212.5	11043.3	10985.7	11122.5	11442.9	11558.1	11201.7	10920.9	10856.2
20°	11446.5	10992.9	10694.2	10582.6	10741.0	11262.9	11702.0	11489.7	11198.1	11115.3
22.5°	11558.1	10787.8	10305.4	10229.8	10395.4	11068.5	11849.6	11831.6	11511.3	11396.1
25°	11734.4	10651.0	10031.9	9977.9	10132.6	10974.9	12047.6	12296.0	12011.6	11846.0
27.5°	12011.6	10636.6	9891.5	9873.5	10085.9	11057.7	12332.0	12976.3	12619.9	12497.5
30°	12396.7	10773.4	9923.9	9959.9	10219.0	11356.5	12774.7	13753.8	13397.4	13206.6
32.5°	12951.1	11140.5	10417.0	10571.8	10762.6	11835.2	13422.6	14596.1	14326.1	14045.3
35°	13681.8	12148.4	11874.8	12533.5	12353.6	12882.7	14203.7	15618.3	15290.8	15046.0
37.5°	14657.2	14214.5	14466.5	15373.5	14938.0	14862.4	15157.6	16547.0	16367.0	16122.2
40°	16025.1	16115.1	16579.4	17770.8	17140.9	16655.0	16327.4	17245.3	17306.5	17004.1
42.5°	16932.1	17346.1	18465.5	19819.0	18951.5	17788.8	17306.5	18138.0	18141.6	17868.0
45°	17270.5	18354.0	20693.6	22252.2	20801.6	18436.7	17846.4	19351.0	19315.0	19001.9
47.5°	17148.1	19203.4	23008.1	25391.0	23177.3	18897.5	17770.8	21078.8	21370.3	20895.2
50°	16892.5	20056.5	25711.4	29235.3	26092.9	19387.0	17655.6	22993.7	23476.1	23108.9
52.5°	17151.7	21006.8	28907.7	33209.2	29750.0	20168.1	18433.1	25452.2	25365.8	24923.1
55°	17972.4	22129.8	32791.6	38201.7	33767.1	21489.1	20430.9	27795.5	26917.2	26388.1
57.5°	17932.8	22932.5	36196.8	42150.4	37262.2	22572.6	21125.6	28043.9	26269.3	25599.8
60°	16277.0	22565.4	37492.6	44648.4	38316.9	21975.1	18839.9	25049.1	22165.8	21463.9
62.5°	12148.4	20024.1	34980.1	41520.5	35332.9	18980.3	14167.7	17979.6	15927.9	14743.6
65°	7771.4	15665.1	29408.1	33637.5	29123.7	14516.9	8437.3	9639.5	7551.8	7213.4
67.5°	3308.0	11057.7	22860.6	22482.6	21787.9	9405.5	3257.6	2714.0	2022.9	1986.9
70°	1094.3	7523.0	14092.1	14995.6	13012.3	6479.1	1076.3	910.7	907.1	874.7
72.5°	716.3	4038.7	7933.3	8833.2	8372.5	3729.1	651.5	608.3	622.7	608.3
75°	428.3	878.3	1335.4	1735.0	1335.4	626.3	392.3	385.1	392.3	374.4
77.5°	252.0	244.8	237.6	237.6	234.0	216.0	198.0	190.8	194.4	198.0
80°	162.0	154.8	147.6	144.0	126.0	118.8	111.6	104.4	104.4	108.0
82.5°	104.4	97.2	90.0	79.2	64.8	54.0	50.4	43.2	43.2	46.8
85°	54.0	43.2	32.4	25.2	14.4	7.2	0.0	0.0	0.0	0.0
87.5°	10.8	0.0	0.0	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

(END OF REPORT)