

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: P641175

Luminaire Tested: GWS-SA5F-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641175  
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-SA5F-735-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

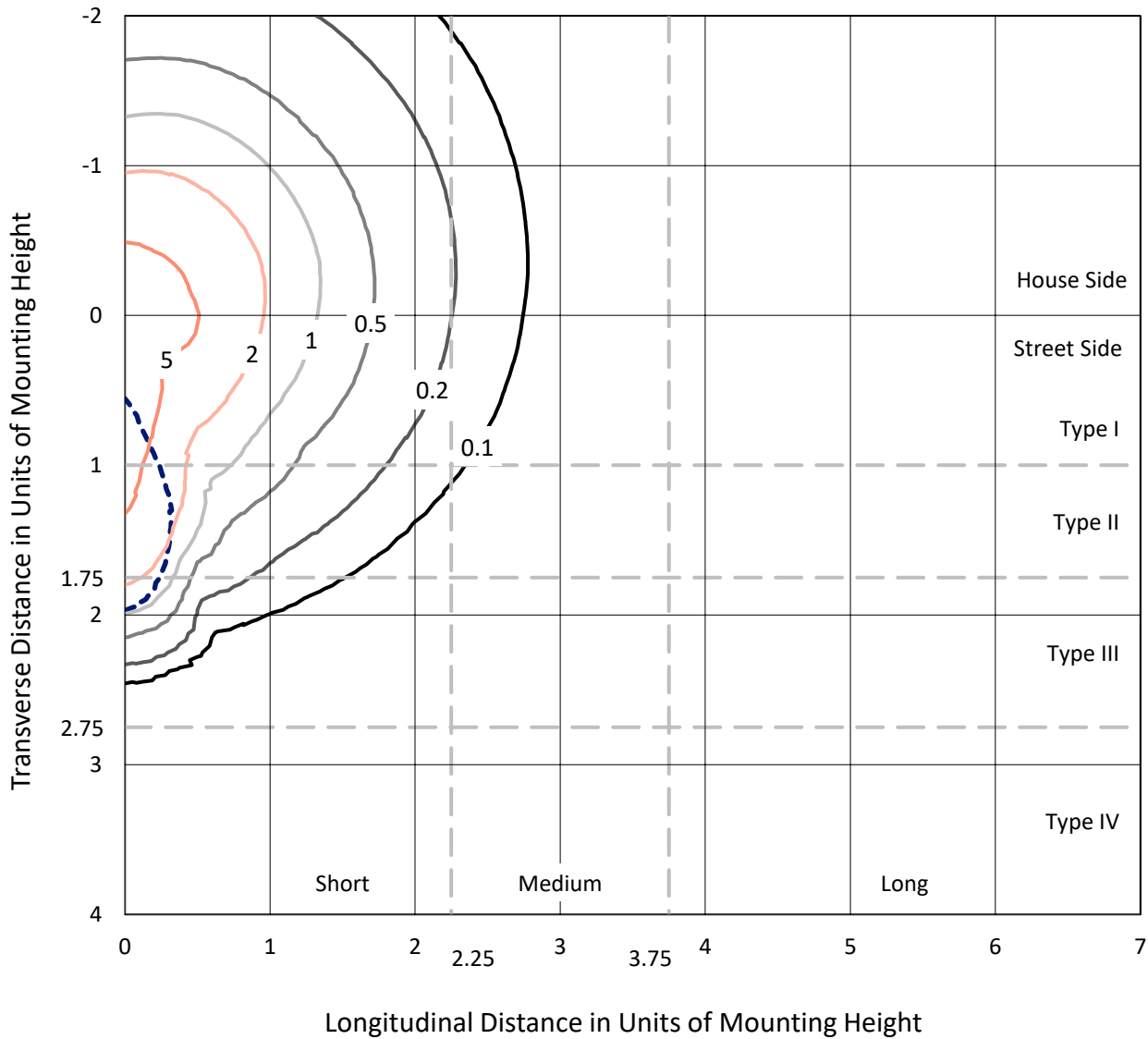
Lumens per Lamp: N/A  
Luminaire Lumens: 32043 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): 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

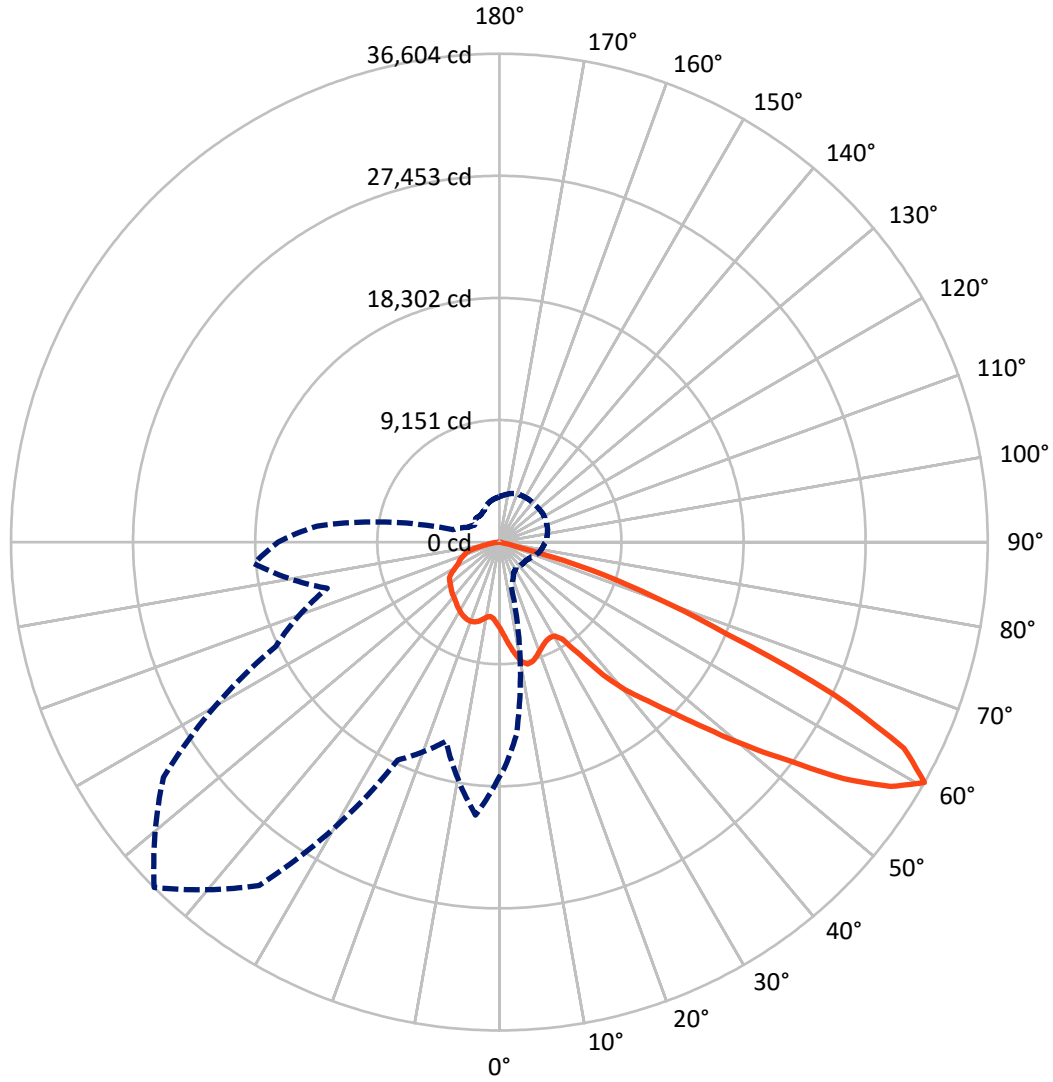
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.7 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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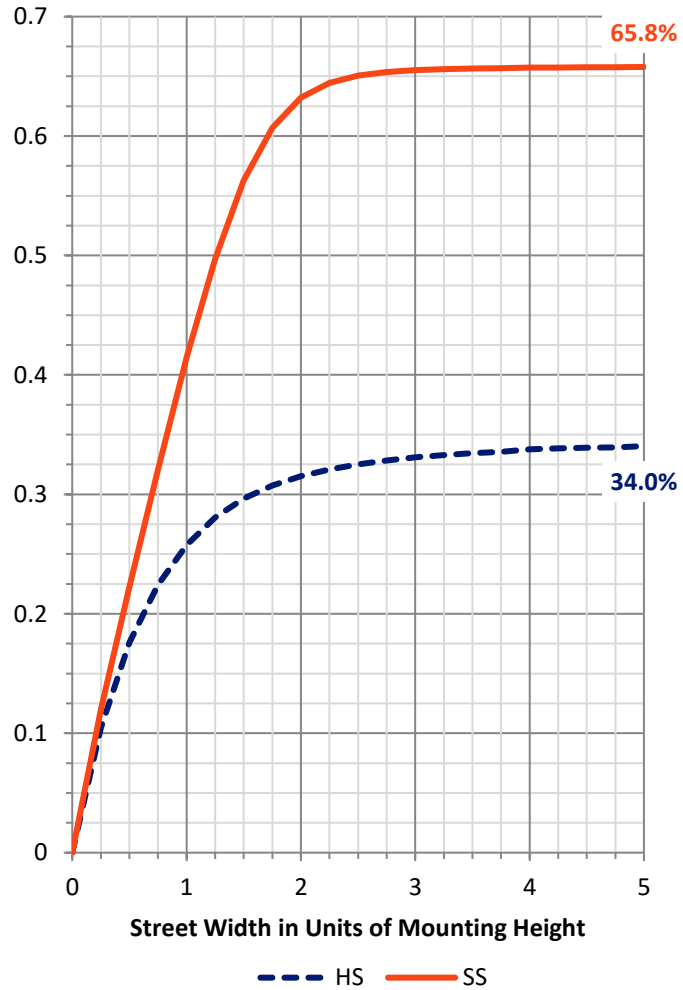
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10961.6	0.0	10961.6
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	21081.4	0.0	21081.4
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	32043.0	0.0	32043.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	631.4	2.0
10°-20°	2025.2	6.3
20°-30°	3298.3	10.3
30°-40°	4633.4	14.5
40°-50°	6340.3	19.8
50°-60°	8134.3	25.4
60°-70°	5477.3	17.1
70°-80°	1369.3	4.3
80°-90°	133.5	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°	32043.0	100.0
0°-180°	32043.0	100.0

**Coefficient of Utilization**



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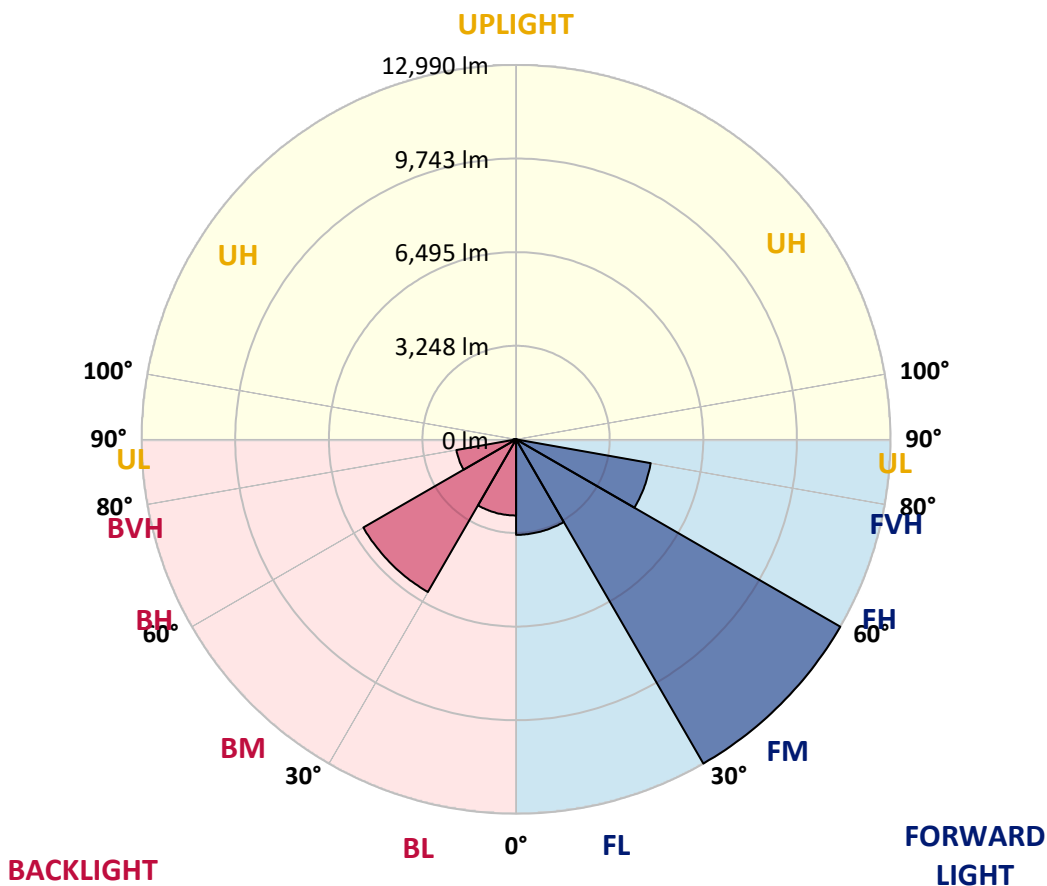
CATALOG NUMBER: GWS-SA5F-735-U-SLL-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3312.5	10.3			
FM (30°-60°)	12990.5	40.5			
FH (60°-80°)	4743.7	14.8			G2/5000
FVH (80°-90°)	34.7	0.1			G1/100
BL (0°-30°)	2642.4	8.2	B4/5000		
BM (30°-60°)	6117.5	19.1	B4/8500		
BH (60°-80°)	2102.9	6.6	B3/2500		G3/2500
BVH (80°-90°)	98.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type III Short





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CATALOG NUMBER: GWS-SA5F-735-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7
2.5°	6837.5	6822.8	6808.0	6692.9	6663.4	6580.8	6521.8	6448.0	6341.7	6282.7	6232.6
5°	7265.4	7241.8	7162.1	6926.0	6772.6	6604.4	6465.7	6312.2	6149.9	6043.7	5961.1
7.5°	7669.7	7663.8	7528.1	7138.5	6890.6	6648.6	6459.8	6235.5	6002.4	5843.0	5736.8
10°	8044.5	8000.2	7837.9	7330.3	7005.7	6728.3	6524.7	6276.8	6005.3	5789.9	5648.3
12.5°	8375.0	8318.9	8094.6	7507.4	7106.1	6763.7	6542.4	6338.8	6158.8	5978.8	5816.5
15°	8646.5	8578.6	8351.4	7672.7	7194.6	6743.1	6433.2	6273.9	6335.8	6415.5	6235.5
17.5°	8900.3	8829.5	8552.1	7793.6	7221.1	6616.2	6164.7	6096.8	6409.6	6772.6	6690.0
20°	9112.7	9033.1	8711.4	7852.7	7173.9	6374.2	5816.5	5934.5	6347.6	6781.4	6914.2
22.5°	9342.9	9278.0	8891.4	7938.2	7114.9	6040.7	5524.3	5813.5	6241.4	6622.1	6822.8
25°	9711.8	9632.1	9171.8	8088.7	7085.4	5727.9	5314.8	5695.5	6093.9	6439.1	6595.5
27.5°	10245.9	10098.4	9555.4	8351.4	7117.9	5432.8	5182.0	5550.9	5922.7	6217.8	6344.7
30°	10827.3	10650.2	9980.3	8622.9	7165.1	5252.8	5111.2	5385.6	5660.1	5955.2	6093.9
32.5°	11514.9	11358.5	10434.8	8826.5	7064.7	5170.2	5058.0	5205.6	5424.0	5660.1	5775.1
35°	12335.3	12054.9	10930.6	8991.8	6740.1	5049.2	5010.8	5007.9	5123.0	5353.1	5483.0
37.5°	13217.6	12916.6	11541.4	9168.8	6235.5	4857.4	4898.7	4774.7	4881.0	5063.9	5211.5
40°	13940.6	13624.9	12158.2	9410.8	5604.0	4556.4	4650.8	4518.0	4582.9	4771.8	4937.1
42.5°	14648.9	14312.4	12733.6	9685.2	4993.1	4261.3	4308.5	4258.3	4279.0	4476.7	4706.9
45°	15578.4	15200.7	13441.9	9880.0	4444.2	4028.1	3983.9	3898.3	4007.5	4264.2	4509.2
47.5°	17130.7	16679.2	14601.6	10006.9	4045.8	3895.3	3691.7	3641.6	3777.3	4063.6	4317.3
50°	18945.5	18556.0	16454.9	10001.0	3747.8	3783.2	3408.4	3364.2	3588.4	3877.6	4146.2
52.5°	20432.9	20037.4	18039.6	9705.9	3502.9	3544.2	3243.2	3119.2	3426.1	3694.7	3963.2
55°	21633.9	21188.3	18768.5	8472.4	3193.0	3163.5	3063.2	2835.9	3222.5	3511.7	3762.5
57.5°	20987.7	20456.5	17886.1	6442.1	2874.3	2688.4	2753.3	2585.1	2945.1	3308.1	3550.1
60°	17596.9	17118.9	14530.8	3429.1	2529.0	2245.7	2381.5	2408.0	2641.2	3063.2	3311.0
62.5°	12087.4	11739.2	9847.6	2080.5	1994.9	1803.1	2015.5	2207.4	2381.5	2738.5	2954.0
65°	5913.8	5810.6	4925.3	1333.9	1395.8	1457.8	1670.3	1903.4	2160.1	2473.0	2700.2
67.5°	1629.0	1640.8	1493.2	1041.7	1100.7	1271.9	1440.1	1626.0	1882.8	2172.0	2402.1
70°	717.1	728.9	752.5	802.7	914.8	1071.2	1245.3	1437.1	1673.2	1915.2	2136.5
72.5°	498.7	510.5	545.9	610.9	711.2	858.7	1024.0	1207.0	1451.9	1655.5	1838.5
75°	306.9	315.8	348.2	404.3	472.2	584.3	746.6	914.8	1130.2	1316.2	1478.5
77.5°	162.3	156.4	177.1	215.4	274.4	333.5	442.7	548.9	702.3	852.8	988.6
80°	88.5	85.6	97.4	118.0	135.7	183.0	256.7	327.6	416.1	501.7	575.4
82.5°	38.4	35.4	38.4	50.2	62.0	88.5	129.8	180.0	230.2	289.2	336.4
85°	0.0	0.0	0.0	3.0	14.8	23.6	44.3	64.9	94.4	129.8	159.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	26.6
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7
2.5°	6203.0	6129.3	6123.4	6064.3	6070.2	6073.2	6014.2	5990.6	6011.2	6034.8	6023.0
5°	5931.5	5854.8	5822.4	5766.3	5760.4	5733.8	5710.2	5680.7	5701.4	5722.0	5733.8
7.5°	5695.5	5645.3	5624.6	5609.9	5615.8	5604.0	5556.8	5530.2	5527.3	5536.1	5547.9
10°	5618.7	5577.4	5604.0	5645.3	5674.8	5695.5	5645.3	5601.0	5559.7	5542.0	5542.0
12.5°	5784.0	5730.9	5784.0	5828.3	5887.3	5902.0	5846.0	5798.8	5784.0	5801.7	5837.1
15°	6149.9	6026.0	6023.0	6049.6	6096.8	6120.4	6067.3	6043.7	6043.7	6155.8	6244.4
17.5°	6515.9	6312.2	6226.7	6211.9	6241.4	6250.3	6206.0	6185.3	6238.5	6456.8	6622.1
20°	6772.6	6524.7	6338.8	6303.4	6312.2	6315.2	6279.8	6265.0	6341.7	6607.3	6746.0
22.5°	6746.0	6563.1	6335.8	6291.6	6306.3	6300.4	6268.0	6262.1	6324.0	6554.2	6619.1
25°	6563.1	6421.4	6229.6	6200.1	6223.7	6220.7	6188.3	6173.5	6200.1	6353.5	6359.4
27.5°	6353.5	6229.6	6064.3	6055.5	6093.9	6114.5	6058.4	6014.2	6005.3	6108.6	6085.0
30°	6102.7	6011.2	5878.4	5884.3	5955.2	5967.0	5899.1	5834.2	5816.5	5872.5	5840.1
32.5°	5804.7	5775.1	5704.3	5719.1	5786.9	5810.6	5739.7	5671.9	5651.2	5668.9	5601.0
35°	5550.9	5539.1	5545.0	5571.5	5630.5	5648.3	5589.2	5536.1	5506.6	5444.6	5356.1
37.5°	5288.2	5320.7	5406.3	5456.4	5488.9	5483.0	5450.5	5412.2	5365.0	5249.9	5140.7
40°	5043.3	5125.9	5279.4	5335.4	5347.2	5350.2	5326.6	5294.1	5235.1	5081.7	4957.7
42.5°	4854.4	4945.9	5149.5	5235.1	5241.0	5246.9	5223.3	5196.7	5114.1	4910.5	4789.5
45°	4656.7	4777.7	5016.7	5120.0	5114.1	5111.2	5090.5	5078.7	4981.3	4745.2	4612.4
47.5°	4488.5	4630.1	4886.9	4975.4	4972.5	4969.5	4954.8	4954.8	4857.4	4600.6	4450.1
50°	4323.2	4485.5	4754.1	4827.9	4833.8	4827.9	4822.0	4830.8	4715.7	4441.3	4293.7
52.5°	4143.2	4326.2	4606.5	4674.4	4709.8	4724.6	4724.6	4703.9	4568.2	4281.9	4119.6
55°	3945.5	4119.6	4444.2	4535.7	4565.2	4591.8	4591.8	4550.5	4423.6	4134.4	3960.3
57.5°	3700.6	3854.0	4110.8	4202.3	4273.1	4290.8	4290.8	4222.9	4119.6	3842.2	3700.6
60°	3435.0	3567.8	3741.9	3839.3	3892.4	3857.0	3883.5	3865.8	3783.2	3526.5	3408.4
62.5°	3080.9	3216.6	3408.4	3508.8	3532.4	3497.0	3532.4	3529.4	3417.3	3187.1	3045.5
65°	2827.1	2959.9	3148.7	3278.6	3316.9	3308.1	3331.7	3296.3	3157.6	2939.2	2803.5
67.5°	2526.1	2667.7	2886.1	3030.7	3110.4	3119.2	3151.7	3077.9	2936.3	2697.2	2526.1
70°	2239.8	2360.8	2529.0	2664.8	2776.9	2833.0	2838.9	2732.6	2555.6	2357.9	2233.9
72.5°	1938.8	2062.8	2266.4	2413.9	2555.6	2620.5	2620.5	2490.7	2298.8	2080.5	1947.7
75°	1572.9	1688.0	1873.9	2033.3	2195.6	2278.2	2275.2	2163.1	1950.6	1744.1	1605.4
77.5°	1065.3	1150.9	1268.9	1389.9	1413.5	1478.5	1510.9	1369.3	1251.2	1139.1	1015.2
80°	619.7	672.8	737.8	805.6	820.4	841.0	787.9	734.8	672.8	599.1	543.0
82.5°	363.0	398.4	430.8	484.0	492.8	498.7	451.5	427.9	377.7	333.5	298.1
85°	177.1	188.9	218.4	244.9	233.1	227.2	206.6	183.0	162.3	144.6	126.9
87.5°	35.4	35.4	53.1	50.2	41.3	35.4	20.7	26.6	5.9	5.9	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°	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7
2.5°	6061.4	6111.6	6173.5	6256.2	6350.6	6450.9	6548.3	6622.1	6695.9	6805.1	6787.3
5°	5751.5	5837.1	5934.5	6061.4	6214.8	6389.0	6583.7	6778.5	6988.0	7165.1	7241.8
7.5°	5571.5	5666.0	5781.0	5946.3	6144.0	6356.5	6630.9	6946.7	7286.1	7519.2	7663.8
10°	5571.5	5692.5	5843.0	6002.4	6176.5	6394.9	6734.2	7129.7	7566.4	7873.3	8041.5
12.5°	5893.2	6014.2	6046.6	6040.7	6138.1	6380.1	6816.9	7321.5	7843.8	8168.4	8375.0
15°	6394.9	6436.2	6191.2	5967.0	5981.7	6273.9	6855.2	7474.9	8082.8	8472.4	8696.7
17.5°	6731.3	6622.1	6185.3	5792.9	5710.2	6093.9	6855.2	7622.5	8336.6	8776.3	8985.9
20°	6757.8	6486.3	6034.8	5624.6	5412.2	5854.8	6808.0	7734.6	8581.6	9068.5	9292.8
22.5°	6524.7	6256.2	5875.5	5480.0	5167.2	5565.6	6731.3	7820.2	8791.1	9342.9	9620.3
25°	6259.1	6034.8	5713.2	5332.5	4999.0	5273.5	6660.5	7964.8	9083.2	9714.8	9995.1
27.5°	5999.4	5810.6	5518.4	5208.5	4904.6	5019.7	6616.2	8177.3	9431.5	10243.0	10485.0
30°	5745.6	5574.5	5308.9	5090.5	4854.4	4854.4	6577.8	8422.2	9891.8	10836.1	11078.1
32.5°	5488.9	5326.6	5111.2	4975.4	4824.9	4789.5	6471.6	8652.4	10366.9	11485.4	11733.3
35°	5249.9	5087.6	4922.3	4866.2	4810.2	4739.3	6208.9	8832.4	10830.2	12243.8	12456.3
37.5°	5025.6	4869.2	4745.2	4730.5	4736.4	4603.6	5795.8	8982.9	11408.6	13019.9	13132.0
40°	4830.8	4656.7	4559.3	4556.4	4585.9	4385.2	5273.5	9198.3	12069.7	13678.0	13630.8
42.5°	4656.7	4473.7	4355.7	4382.3	4364.6	4166.8	4762.9	9396.0	12645.1	14294.7	14200.3
45°	4485.5	4308.5	4143.2	4181.6	4160.9	4031.1	4329.1	9540.6	13282.5	15035.4	15047.2
47.5°	4320.3	4146.2	3980.9	3933.7	3930.8	3989.8	3995.7	9587.9	14321.3	16227.7	15959.1
50°	4166.8	3992.7	3821.6	3662.2	3724.2	3907.1	3747.8	9552.4	15876.5	17543.8	16794.3
52.5°	4007.5	3842.2	3653.4	3367.1	3529.4	3709.4	3526.5	9425.6	16826.7	18706.5	18258.0
55°	3824.5	3668.1	3411.4	3063.2	3260.9	3299.2	3299.2	8197.9	17231.0	19857.4	20134.8
57.5°	3579.6	3373.0	2965.8	2685.4	2862.5	2714.9	3057.3	5736.8	16564.1	19494.4	20571.6
60°	3302.2	3080.9	2650.0	2449.3	2502.5	2242.8	2605.8	3597.3	13728.1	16587.7	18452.7
62.5°	2936.3	2732.6	2375.6	2219.2	2110.0	1829.6	2098.2	2275.2	9410.8	12317.6	13589.4
65°	2691.3	2467.1	2148.3	1941.8	1717.5	1472.6	1392.9	1493.2	5061.0	6893.6	7752.3
67.5°	2402.1	2180.8	1879.8	1620.1	1440.1	1263.0	1124.3	1088.9	1735.2	2295.9	2484.8
70°	2127.7	1915.2	1664.4	1422.4	1242.4	1068.3	932.5	835.1	802.7	796.8	785.0
72.5°	1847.3	1649.6	1440.1	1215.8	1018.1	858.7	737.8	625.6	578.4	563.6	548.9
75°	1513.9	1357.5	1147.9	906.0	746.6	599.1	504.6	430.8	389.5	374.8	357.1
77.5°	973.8	903.0	720.0	584.3	451.5	357.1	306.9	259.7	233.1	227.2	212.5
80°	519.4	484.0	398.4	336.4	268.5	218.4	191.8	165.3	150.5	144.6	138.7
82.5°	289.2	262.6	221.3	194.8	156.4	132.8	118.0	106.2	97.4	94.4	91.5
85°	129.8	112.1	88.5	82.6	73.8	67.9	64.9	59.0	56.1	53.1	50.2
87.5°	5.9	11.8	14.8	11.8	11.8	17.7	20.7	20.7	17.7	17.7	14.8
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: P641175

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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7	6462.7
2.5°	6896.5	6985.1	6993.9	7023.4	6985.1	6976.2	6914.2	6878.8	6846.4	6837.5
5°	7433.6	7610.7	7681.5	7731.7	7684.5	7660.8	7525.1	7383.5	7303.8	7265.4
7.5°	7985.5	8251.1	8389.7	8451.7	8457.6	8351.4	8118.3	7852.7	7719.9	7669.7
10°	8478.3	8805.8	8988.8	9106.8	9065.5	8935.7	8617.0	8257.0	8088.7	8044.5
12.5°	8844.2	9157.0	9298.7	9375.4	9372.4	9301.6	9000.6	8611.1	8419.3	8375.0
15°	9080.3	9266.2	9275.1	9292.8	9342.9	9437.4	9281.0	8920.9	8708.5	8646.5
17.5°	9266.2	9192.4	9053.7	9006.5	9118.6	9381.3	9475.7	9183.6	8953.4	8900.3
20°	9384.2	9012.4	8767.5	8676.0	8805.8	9233.7	9593.8	9419.7	9180.6	9112.7
22.5°	9475.7	8844.2	8448.8	8386.8	8522.5	9074.4	9714.8	9700.0	9437.4	9342.9
25°	9620.3	8732.1	8224.5	8180.2	8307.1	8997.7	9877.1	10080.7	9847.6	9711.8
27.5°	9847.6	8720.3	8109.4	8094.6	8268.8	9065.5	10110.2	10638.4	10346.3	10245.9
30°	10163.3	8832.4	8136.0	8165.5	8377.9	9310.5	10473.2	11275.8	10983.7	10827.3
32.5°	10617.8	9133.4	8540.3	8667.1	8823.5	9703.0	11004.4	11966.4	11745.1	11514.9
35°	11216.8	9959.7	9735.4	10275.4	10127.9	10561.7	11644.7	12804.5	12535.9	12335.3
37.5°	12016.6	11653.6	11860.1	12603.8	12246.7	12184.8	12426.7	13565.8	13418.3	13217.6
40°	13137.9	13211.7	13592.4	14569.2	14052.8	13654.4	13385.8	14138.3	14188.5	13940.6
42.5°	13881.6	14221.0	15138.7	16248.3	15537.1	14583.9	14188.5	14870.2	14873.1	14648.9
45°	14159.0	15047.2	16965.4	18243.2	17053.9	15115.1	14631.2	15864.7	15835.2	15578.4
47.5°	14058.7	15743.7	18862.9	20816.5	19001.6	15492.9	14569.2	17281.2	17520.2	17130.7
50°	13849.1	16443.1	21079.1	23968.2	21391.9	15894.2	14474.8	18851.1	19246.5	18945.5
52.5°	14061.6	17222.1	23699.6	27226.1	24390.2	16534.6	15112.2	20866.7	20795.8	20432.9
55°	14734.4	18142.9	26883.8	31319.2	27683.5	17617.6	16750.0	22787.8	22067.7	21633.9
57.5°	14702.0	18800.9	29675.5	34556.4	30549.0	18505.8	17319.5	22991.4	21536.5	20987.7
60°	13344.5	18499.9	30737.8	36604.4	31413.6	18016.0	15445.6	20536.1	18172.4	17596.9
62.5°	9959.7	16416.5	28678.0	34040.0	28967.2	15560.7	11615.2	14740.3	13058.3	12087.4
65°	6371.3	12842.8	24109.8	27577.3	23876.7	11901.5	6917.2	7902.8	6191.2	5913.8
67.5°	2712.0	9065.5	18741.9	18432.1	17862.5	7711.0	2670.7	2225.1	1658.5	1629.0
70°	897.1	6167.6	11553.2	12293.9	10667.9	5311.8	882.4	746.6	743.7	717.1
72.5°	587.3	3311.0	6504.0	7241.8	6864.1	3057.3	534.1	498.7	510.5	498.7
75°	351.2	720.0	1094.8	1422.4	1094.8	513.5	321.7	315.8	321.7	306.9
77.5°	206.6	200.7	194.8	194.8	191.8	177.1	162.3	156.4	159.4	162.3
80°	132.8	126.9	121.0	118.0	103.3	97.4	91.5	85.6	85.6	88.5
82.5°	85.6	79.7	73.8	64.9	53.1	44.3	41.3	35.4	35.4	38.4
85°	44.3	35.4	26.6	20.7	11.8	5.9	0.0	0.0	0.0	0.0
87.5°	8.9	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)