

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: P642994

Luminaire Tested: GWS-SA6E-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25798.1 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

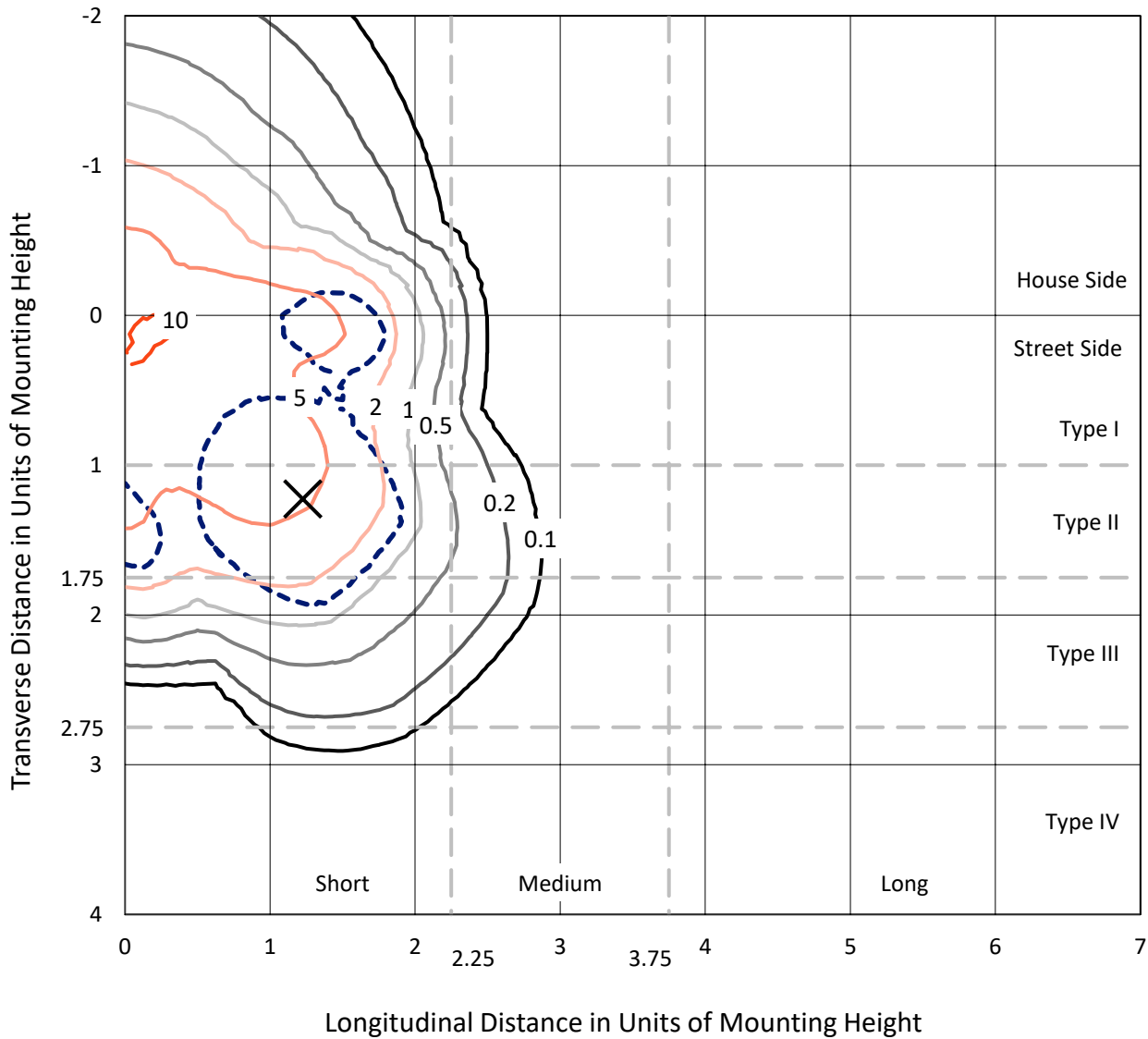
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

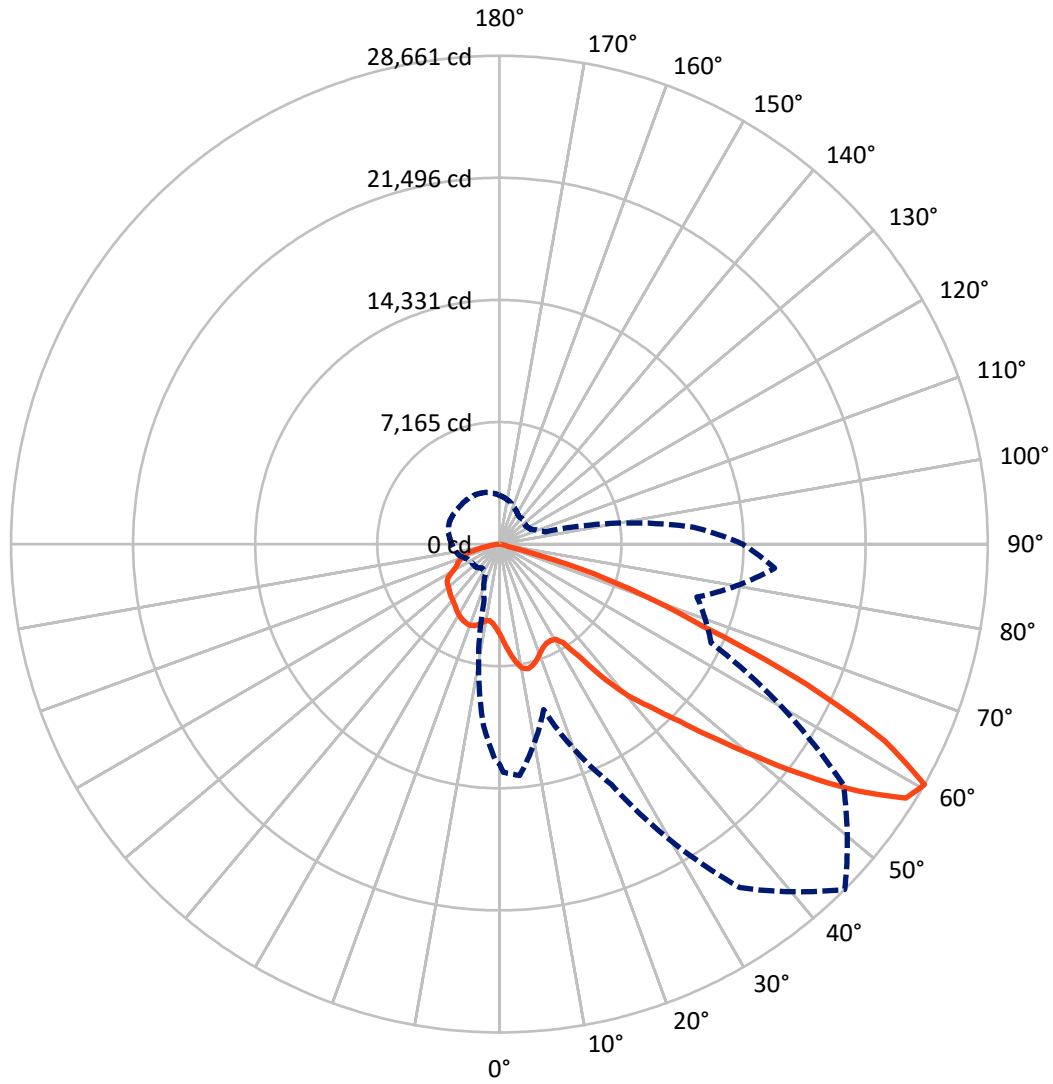
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9043.2	0.0	9043.2
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	16754.9	0.0	16754.9
	% Fixture	64.9	0.0	64.9
Total	Lumens	25798.1	0.0	25798.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.1	2.0
10°-20°	1633.9	6.3
20°-30°	2654.2	10.3
30°-40°	3743.2	14.5
40°-50°	5172.9	20.1
50°-60°	6659.1	25.8
60°-70°	4219.3	16.4
70°-80°	1082.7	4.2
80°-90°	115.8	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°	25798.1	100.0
0°-180°	25798.1	100.0

Coefficient of Utilization



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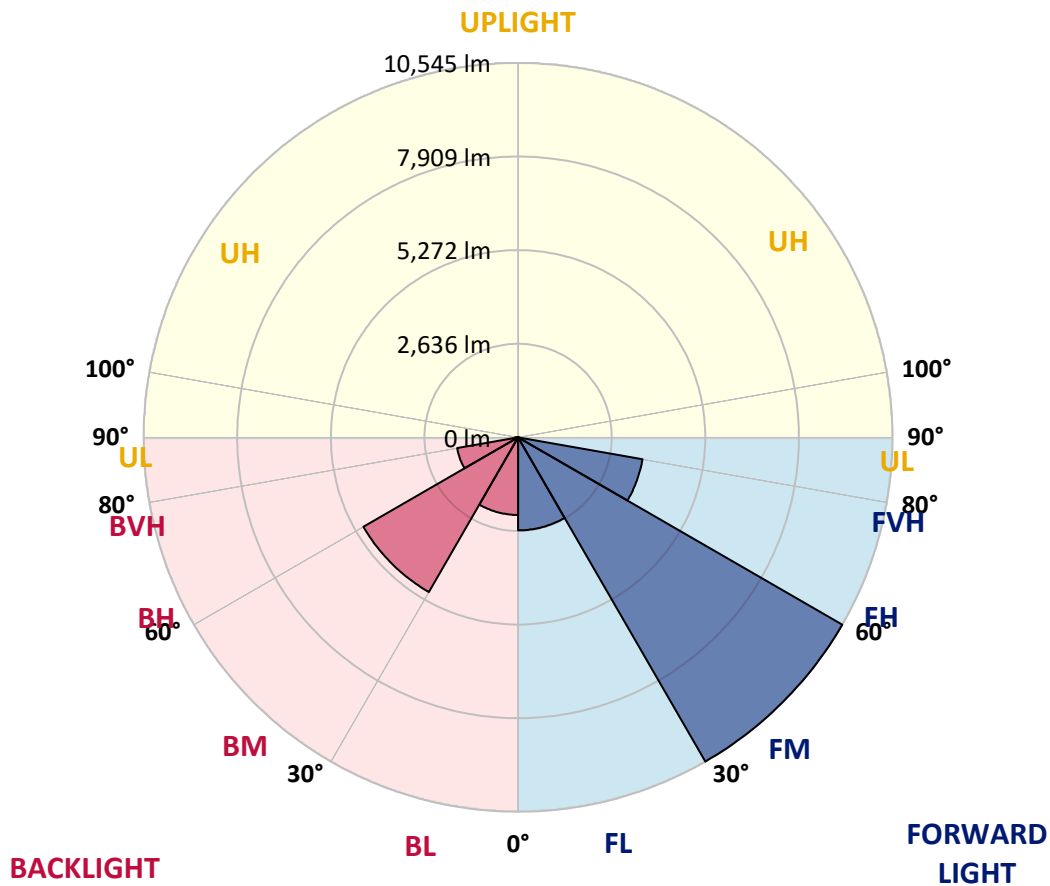
CATALOG NUMBER: GWS-SA6E-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2619.5	10.2			
FM (30°-60°)	10544.8	40.9			
FH (60°-80°)	3559.2	13.8			G2/5000
FVH (80°-90°)	31.4	0.1			G1/100
BL (0°-30°)	2185.7	8.5	B3/2500		
BM (30°-60°)	5030.4	19.5	B4/8500		
BH (60°-80°)	1742.7	6.8	B3/2500		G3/2500
BVH (80°-90°)	84.3	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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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7
2.5°	5543.2	5581.0	5604.6	5649.5	5729.9	5774.8	5824.5	5770.1	5784.3	5777.2	5689.7
5°	5871.7	5916.6	5978.1	6110.5	6259.4	6342.1	6420.1	6408.3	6335.0	6212.1	6124.7
7.5°	6179.0	6231.0	6337.4	6552.5	6772.3	6900.0	6994.5	6933.1	6871.6	6677.8	6458.0
10°	6420.1	6450.9	6595.1	6883.4	7138.7	7282.9	7398.8	7384.6	7299.5	7082.0	6786.5
12.5°	6647.1	6668.3	6824.4	7112.7	7342.0	7405.9	7500.4	7531.1	7502.8	7339.7	7048.9
15°	6890.5	6930.7	7074.9	7294.8	7398.8	7332.6	7365.7	7450.8	7531.1	7531.1	7264.0
17.5°	7117.5	7152.9	7299.5	7394.0	7294.8	7119.8	7129.3	7238.0	7429.5	7630.4	7460.2
20°	7318.4	7351.5	7495.7	7405.9	7091.5	6836.2	6829.1	6961.5	7271.1	7694.2	7670.6
22.5°	7538.2	7585.5	7706.1	7415.3	6902.4	6578.5	6576.1	6713.3	7131.6	7758.1	7911.7
25°	7850.2	7923.5	7985.0	7498.0	6800.7	6410.7	6441.4	6571.4	7086.7	7862.1	8268.6
27.5°	8313.6	8372.7	8367.9	7670.6	6796.0	6342.1	6406.0	6557.2	7167.1	8046.4	8644.5
30°	8814.7	8845.4	8795.8	7911.7	6904.7	6384.7	6479.2	6658.9	7370.4	8351.4	9197.6
32.5°	9370.2	9408.0	9313.5	8273.4	7157.6	6699.1	6907.1	6994.5	7656.4	8791.0	9783.9
35°	10008.4	10081.7	9885.5	8750.9	7902.3	7845.5	8148.1	8034.6	8263.9	9311.1	10410.3
37.5°	10679.7	10682.1	10400.8	9457.6	9363.1	9460.0	10065.1	9710.6	9552.2	9890.2	11048.5
40°	11249.4	11235.2	10802.7	10410.3	10634.8	11020.1	11750.6	11206.9	10790.8	10667.9	11578.0
42.5°	11819.1	11767.1	11329.8	11015.4	11511.8	12303.7	13128.7	12462.1	11585.1	11374.7	12100.4
45°	12547.2	12530.6	12003.5	11256.5	12303.7	13740.9	14835.3	13755.1	12055.5	11786.0	12970.3
47.5°	13722.0	13641.6	12660.6	11237.6	13045.9	15655.6	17038.4	15383.7	12384.1	11795.5	14374.4
50°	14870.8	14771.5	13445.4	11235.2	13811.8	17641.2	19638.6	17362.3	12719.7	11852.2	15802.1
52.5°	16031.4	16031.4	14733.7	11502.4	14615.5	19858.5	22643.0	19827.7	13291.8	12594.4	17558.5
55°	16721.7	16906.0	16182.7	11953.8	15556.3	22468.1	25614.4	22489.4	14175.8	13934.7	19180.0
57.5°	15844.7	16189.8	16085.8	11639.5	16111.8	24385.2	28134.2	24508.1	14613.1	14093.1	18936.6
60°	12911.2	13391.0	13629.8	10051.0	15563.4	24607.4	28661.3	24640.5	13710.2	12001.1	16220.5
62.5°	8583.0	8977.8	9341.8	7181.3	13473.8	22137.2	25349.6	22144.3	11450.3	8956.5	11237.6
65°	4210.0	4503.1	4895.5	4245.4	10526.1	18496.9	19763.9	17894.1	8282.8	5013.7	5732.3
67.5°	1101.5	1184.3	1238.6	1647.6	7540.6	13289.4	12889.9	13088.5	5321.0	1638.1	1498.7
70°	572.0	576.8	574.4	680.8	5096.4	8445.9	8883.2	8219.0	3713.6	685.5	591.0
72.5°	408.9	411.3	404.2	458.6	2460.7	4838.7	5013.7	4959.3	1945.4	406.6	404.2
75°	267.1	269.5	264.7	269.5	371.1	550.8	508.2	534.2	323.8	257.7	257.7
77.5°	158.4	160.7	158.4	163.1	158.4	158.4	146.6	146.6	139.5	139.5	141.8
80°	106.4	106.4	104.0	108.7	99.3	99.3	94.6	92.2	85.1	82.7	82.7
82.5°	63.8	66.2	63.8	63.8	59.1	59.1	54.4	52.0	44.9	44.9	42.5
85°	33.1	33.1	30.7	30.7	26.0	23.6	18.9	18.9	14.2	11.8	11.8
87.5°	4.7	4.7	2.4	2.4	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°	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7
2.5°	5666.1	5618.8	5547.9	5479.3	5415.5	5349.3	5273.7	5195.7	5129.5	5060.9	5025.5
5°	6008.8	5911.9	5727.5	5564.4	5417.9	5297.3	5167.3	5056.2	4952.2	4867.1	4824.6
7.5°	6318.5	6167.2	5888.3	5630.6	5432.1	5266.6	5086.9	4921.5	4782.0	4678.0	4637.8
10°	6604.5	6424.9	6058.5	5732.3	5500.6	5316.2	5096.4	4871.8	4687.5	4550.4	4517.3
12.5°	6836.2	6630.5	6193.2	5815.0	5540.8	5342.2	5148.4	4954.6	4772.6	4595.3	4566.9
15°	7041.8	6798.3	6294.9	5867.0	5526.6	5273.7	5110.6	5086.9	5086.9	4886.0	4829.3
17.5°	7219.1	6952.0	6377.6	5890.6	5436.8	5070.4	4971.1	5176.8	5408.4	5264.2	5136.6
20°	7422.4	7098.6	6446.1	5890.6	5271.3	4812.7	4803.3	5153.1	5495.9	5498.2	5363.5
22.5°	7628.0	7268.7	6526.5	5869.4	5044.4	4514.9	4689.8	5058.6	5363.5	5493.5	5401.3
25°	7961.3	7505.1	6654.2	5852.8	4779.6	4311.6	4588.2	4933.3	5191.0	5328.1	5269.0
27.5°	8384.5	7817.2	6848.0	5878.8	4517.3	4191.1	4479.4	4770.2	5004.2	5124.8	5082.2
30°	8857.2	8176.5	7056.0	5923.7	4328.2	4129.6	4349.4	4583.4	4791.5	4912.0	4893.1
32.5°	9460.0	8566.5	7235.7	5862.3	4221.8	4098.9	4212.3	4380.2	4581.1	4656.7	4673.3
35°	10181.0	8996.7	7372.8	5621.2	4124.9	4065.8	4063.4	4167.4	4309.2	4429.8	4441.6
37.5°	10845.2	9500.2	7524.0	5207.5	3949.9	3983.0	3888.5	3949.9	4089.4	4210.0	4257.2
40°	11502.4	10010.8	7734.4	4680.4	3720.7	3798.7	3687.6	3730.1	3841.2	3999.6	4075.2
42.5°	12140.6	10471.7	7956.6	4141.4	3491.4	3541.0	3458.3	3500.8	3616.6	3815.2	3900.3
45°	12835.5	11095.8	8129.2	3633.2	3292.8	3271.5	3205.3	3266.8	3441.7	3659.2	3760.8
47.5°	14149.8	12079.1	8242.6	3295.2	3186.4	3032.8	2957.1	3089.5	3288.1	3507.9	3630.8
50°	15754.9	13502.1	8209.5	3080.1	3094.2	2786.9	2760.9	2935.9	3148.6	3377.9	3512.6
52.5°	17026.6	14899.2	7833.7	2874.4	2914.6	2630.9	2555.3	2810.6	3013.9	3247.9	3387.4
55°	17998.1	15369.6	6680.2	2630.9	2621.5	2517.5	2359.1	2680.6	2879.1	3096.6	3247.9
57.5°	17206.3	14322.4	4952.2	2295.3	2238.5	2292.9	2139.3	2460.7	2713.7	2928.8	3063.5
60°	14279.8	11419.6	2758.6	2032.9	1872.1	2004.5	1980.9	2229.1	2534.0	2760.9	2876.8
62.5°	9694.0	7604.4	1635.8	1607.4	1517.6	1706.7	1832.0	1995.1	2295.3	2479.6	2588.4
65°	4831.6	3694.7	1087.4	1203.2	1215.0	1404.1	1640.5	1820.1	2070.7	2259.8	2368.5
67.5°	1401.7	1148.8	827.3	919.5	1047.2	1198.5	1387.6	1600.3	1843.8	2068.3	2196.0
70°	605.1	612.2	657.1	765.9	891.2	1047.2	1236.3	1444.3	1649.9	1822.5	1919.4
72.5°	427.9	444.4	494.0	605.1	723.3	872.2	1061.4	1262.3	1411.2	1586.1	1687.8
75°	274.2	286.0	326.2	411.3	498.8	643.0	822.6	1007.0	1160.6	1285.9	1382.8
77.5°	151.3	153.6	186.7	236.4	295.5	387.7	520.0	664.2	777.7	848.6	936.1
80°	87.5	87.5	104.0	134.7	170.2	226.9	300.2	371.1	439.7	484.6	527.1
82.5°	47.3	47.3	54.4	73.3	92.2	125.3	167.8	203.3	245.8	269.5	297.8
85°	14.2	14.2	18.9	26.0	33.1	47.3	66.2	85.1	104.0	120.6	137.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
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°	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7
2.5°	5018.4	4985.3	4966.4	4942.7	4949.8	4928.6	4916.7	4923.8	4881.3	4923.8	4966.4
5°	4808.0	4760.7	4722.9	4692.2	4678.0	4649.6	4633.1	4633.1	4607.1	4649.6	4701.6
7.5°	4623.6	4585.8	4566.9	4548.0	4526.7	4500.7	4472.3	4462.9	4446.3	4491.3	4536.2
10°	4500.7	4505.4	4517.3	4543.3	4538.5	4522.0	4479.4	4455.8	4455.8	4507.8	4576.4
12.5°	4557.4	4607.1	4635.5	4682.7	4692.2	4678.0	4635.5	4616.5	4663.8	4741.8	4855.3
15°	4777.3	4810.4	4834.0	4871.8	4869.5	4857.7	4824.6	4838.7	4994.8	5146.0	5247.7
17.5°	5016.0	4978.2	4973.5	4997.1	5004.2	4990.0	4971.1	5034.9	5292.6	5434.4	5486.4
20°	5188.6	5058.6	5030.2	5039.7	5058.6	5051.5	5051.5	5155.5	5422.6	5488.8	5422.6
22.5°	5240.6	5056.2	5013.7	5016.0	5042.0	5044.4	5056.2	5164.9	5321.0	5323.3	5221.7
25°	5157.9	4980.6	4949.8	4954.6	4985.3	4982.9	4987.7	5049.1	5117.7	5089.3	5013.7
27.5°	5001.8	4848.2	4838.7	4864.7	4904.9	4883.7	4869.5	4886.0	4919.1	4883.7	4817.5
30°	4824.6	4694.5	4699.3	4748.9	4791.5	4756.0	4720.5	4730.0	4732.4	4694.5	4618.9
32.5°	4637.8	4540.9	4557.4	4609.5	4659.1	4621.3	4583.4	4578.7	4533.8	4488.9	4415.6
35°	4451.1	4413.3	4434.5	4477.1	4519.6	4488.9	4465.3	4451.1	4354.2	4288.0	4226.5
37.5°	4280.9	4309.2	4347.1	4373.1	4387.3	4384.9	4370.7	4337.6	4210.0	4132.0	4051.6
40°	4129.6	4217.1	4257.2	4269.1	4290.3	4285.6	4283.2	4236.0	4068.1	3985.4	3893.2
42.5°	3992.5	4115.4	4184.0	4195.8	4207.6	4210.0	4202.9	4134.3	3942.9	3845.9	3758.5
45°	3860.1	4020.9	4108.3	4096.5	4113.0	4113.0	4120.1	4030.3	3819.9	3720.7	3628.5
47.5°	3744.3	3933.4	4013.8	3999.6	4009.0	4016.1	4023.2	3919.2	3685.2	3590.6	3496.1
50°	3637.9	3838.8	3907.4	3912.1	3912.1	3928.7	3926.3	3824.7	3571.7	3470.1	3375.5
52.5°	3524.5	3741.9	3815.2	3845.9	3855.4	3862.5	3829.4	3711.2	3455.9	3333.0	3245.5
55°	3392.1	3642.6	3708.8	3749.0	3767.9	3763.2	3718.3	3597.7	3337.7	3214.8	3115.5
57.5°	3191.2	3429.9	3524.5	3543.4	3574.1	3555.2	3503.2	3401.5	3148.6	3025.7	2924.0
60°	2971.3	3143.9	3219.5	3236.1	3212.4	3219.5	3212.4	3115.5	2895.7	2798.8	2694.8
62.5°	2682.9	2836.6	2917.0	2938.2	2898.0	2924.0	2914.6	2794.0	2574.2	2472.6	2380.4
65°	2465.5	2633.3	2727.8	2739.7	2727.8	2739.7	2706.6	2560.0	2352.0	2248.0	2153.4
67.5°	2295.3	2467.8	2567.1	2600.2	2588.4	2586.0	2534.0	2363.8	2148.7	2035.2	1914.7
70°	2002.2	2153.4	2281.1	2361.5	2361.5	2316.5	2217.3	2058.9	1886.3	1789.4	1694.9
72.5°	1772.9	1964.3	2089.6	2172.4	2188.9	2162.9	2023.4	1855.6	1657.0	1560.1	1460.8
75°	1460.8	1647.6	1782.3	1891.1	1912.3	1884.0	1723.2	1557.8	1373.4	1278.8	1179.5
77.5°	976.3	1087.4	1196.1	1295.4	1274.1	1293.0	1184.3	1059.0	945.5	874.6	829.7
80°	550.8	624.0	657.1	711.5	711.5	711.5	640.6	581.5	517.7	477.5	432.6
82.5°	312.0	359.3	373.5	418.4	430.2	432.6	385.3	347.5	307.3	286.0	255.3
85°	144.2	170.2	172.6	198.6	208.0	226.9	205.7	179.7	156.0	146.6	127.6
87.5°	4.7	14.2	18.9	35.5	47.3	54.4	59.1	59.1	49.6	44.9	37.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7	5299.7
2.5°	5018.4	5075.1	5141.3	5188.6	5273.7	5344.6	5417.9	5498.2	5557.3	5543.2
5°	4765.5	4860.0	4980.6	5091.7	5250.0	5410.8	5588.1	5770.1	5876.5	5871.7
7.5°	4623.6	4758.4	4904.9	5053.8	5240.6	5472.2	5744.1	6027.7	6171.9	6179.0
10°	4699.3	4843.5	4942.7	5068.0	5264.2	5555.0	5881.2	6221.6	6387.0	6420.1
12.5°	4938.0	4926.2	4919.1	5008.9	5245.3	5614.1	6013.6	6420.1	6606.9	6647.1
15°	5164.9	4921.5	4774.9	4836.4	5160.2	5651.9	6143.6	6637.6	6848.0	6890.5
17.5°	5207.5	4838.7	4566.9	4609.5	5025.5	5663.7	6268.9	6850.4	7077.3	7117.5
20°	5089.3	4732.4	4415.6	4356.5	4855.3	5633.0	6346.9	7027.6	7275.8	7318.4
22.5°	4940.4	4637.8	4302.2	4148.5	4647.3	5602.3	6434.3	7214.4	7500.4	7538.2
25°	4784.4	4517.3	4195.8	3961.8	4410.9	5583.3	6580.9	7460.2	7805.3	7850.2
27.5°	4618.9	4370.7	4103.6	3871.9	4193.4	5607.0	6788.9	7857.3	8249.7	8313.6
30°	4441.6	4224.1	4044.5	3841.2	4044.5	5628.3	7018.2	8263.9	8724.9	8814.7
32.5°	4257.2	4089.4	3983.0	3855.4	3952.3	5578.6	7219.1	8720.1	9292.2	9370.2
35°	4072.9	3952.3	3905.0	3881.4	3829.4	5396.6	7382.2	9181.1	9939.9	10008.4
37.5°	3900.3	3810.5	3796.3	3822.3	3640.3	5098.8	7571.3	9767.3	10575.7	10679.7
40°	3739.6	3656.8	3654.5	3649.7	3432.3	4692.2	7826.6	10363.0	11202.1	11249.4
42.5°	3590.6	3486.6	3505.5	3448.8	3262.1	4252.5	8067.7	10871.2	11786.0	11819.1
45°	3458.3	3321.2	3342.4	3271.5	3181.7	3791.6	8280.5	11471.6	12525.9	12547.2
47.5°	3330.6	3184.1	3125.0	3120.2	3167.5	3366.1	8488.5	12627.5	13684.2	13722.0
50°	3212.4	3054.1	2886.2	2990.2	3080.1	3047.0	8748.5	13866.2	14880.3	14870.8
52.5°	3099.0	2891.0	2652.2	2853.1	2853.1	2810.6	8675.2	14617.9	15868.3	16031.4
55°	2969.0	2628.6	2408.7	2623.8	2519.8	2597.8	7377.5	14863.7	16490.0	16721.7
57.5°	2711.3	2304.7	2113.3	2229.1	2073.1	2408.7	5299.7	13644.0	15433.4	15844.7
60°	2463.1	2066.0	1940.7	1919.4	1716.1	1964.3	3434.6	10682.1	12703.2	12911.2
62.5°	2172.4	1860.3	1754.0	1590.9	1380.5	1430.1	2080.2	7030.0	8535.8	8583.0
65°	1952.5	1685.4	1482.1	1288.3	1129.9	1037.7	1229.2	3389.7	4266.7	4210.0
67.5°	1675.9	1444.3	1250.5	1111.0	981.0	865.2	817.9	1007.0	1139.4	1101.5
70°	1491.6	1269.4	1082.6	950.3	829.7	713.9	631.1	593.3	581.5	572.0
72.5°	1285.9	1092.1	898.3	770.6	657.1	550.8	475.1	430.2	418.4	408.9
75°	1025.9	843.9	666.6	546.0	446.8	371.1	321.5	283.7	276.6	267.1
77.5°	678.4	541.3	397.1	323.8	264.7	224.6	191.5	167.8	163.1	158.4
80°	373.5	312.0	243.5	196.2	158.4	137.1	125.3	111.1	108.7	106.4
82.5°	222.2	186.7	139.5	111.1	92.2	82.7	75.6	68.6	66.2	63.8
85°	111.1	87.5	61.5	52.0	47.3	42.5	42.5	35.5	33.1	33.1
87.5°	28.4	23.6	14.2	11.8	11.8	11.8	9.5	7.1	7.1	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)