

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: P642981

Luminaire Tested: GWS-SA6E-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642981  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

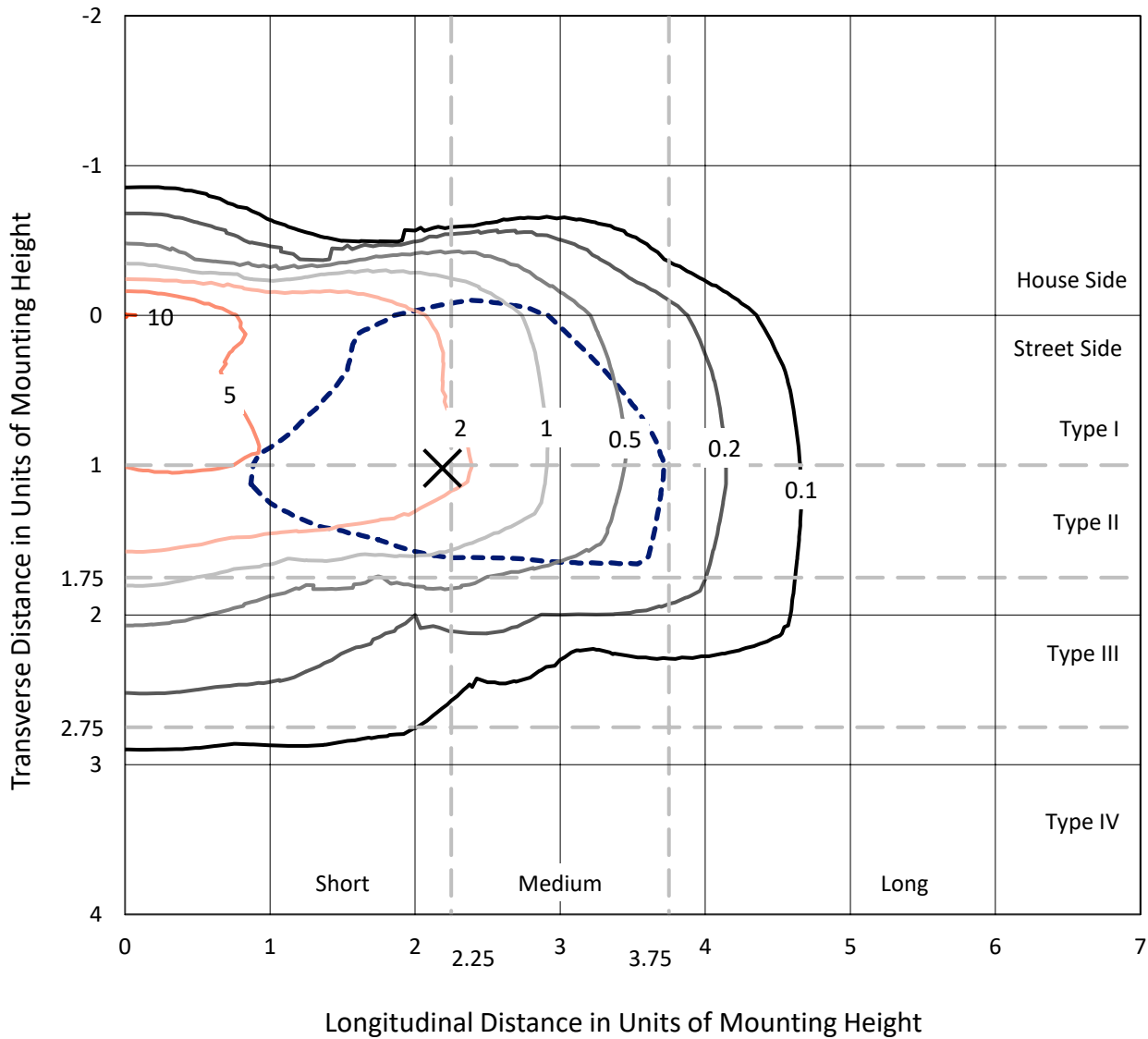
Lumens per Lamp: N/A  
Luminaire Lumens: 26138.5 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

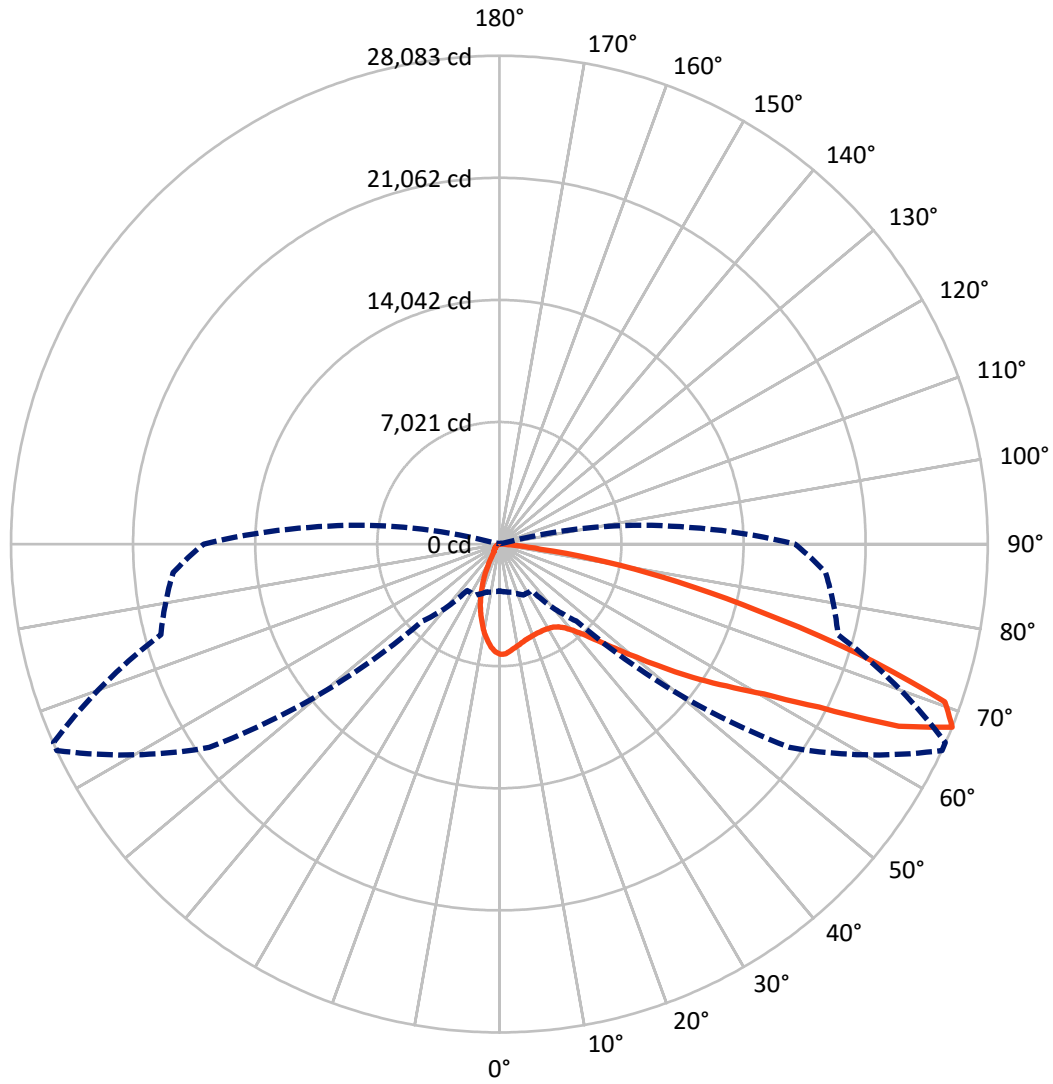
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3263.9	0.0	3263.9
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	22874.6	0.0	22874.6
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	26138.5	0.0	26138.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	526.5	2.0
10°-20°	1183.6	4.5
20°-30°	1691.3	6.5
30°-40°	2460.6	9.4
40°-50°	3853.7	14.7
50°-60°	6011.9	23.0
60°-70°	6603.8	25.3
70°-80°	3514.5	13.4
80°-90°	292.6	1.1
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°	26138.5	100.0
0°-180°	26138.5	100.0

**Coefficient of Utilization**



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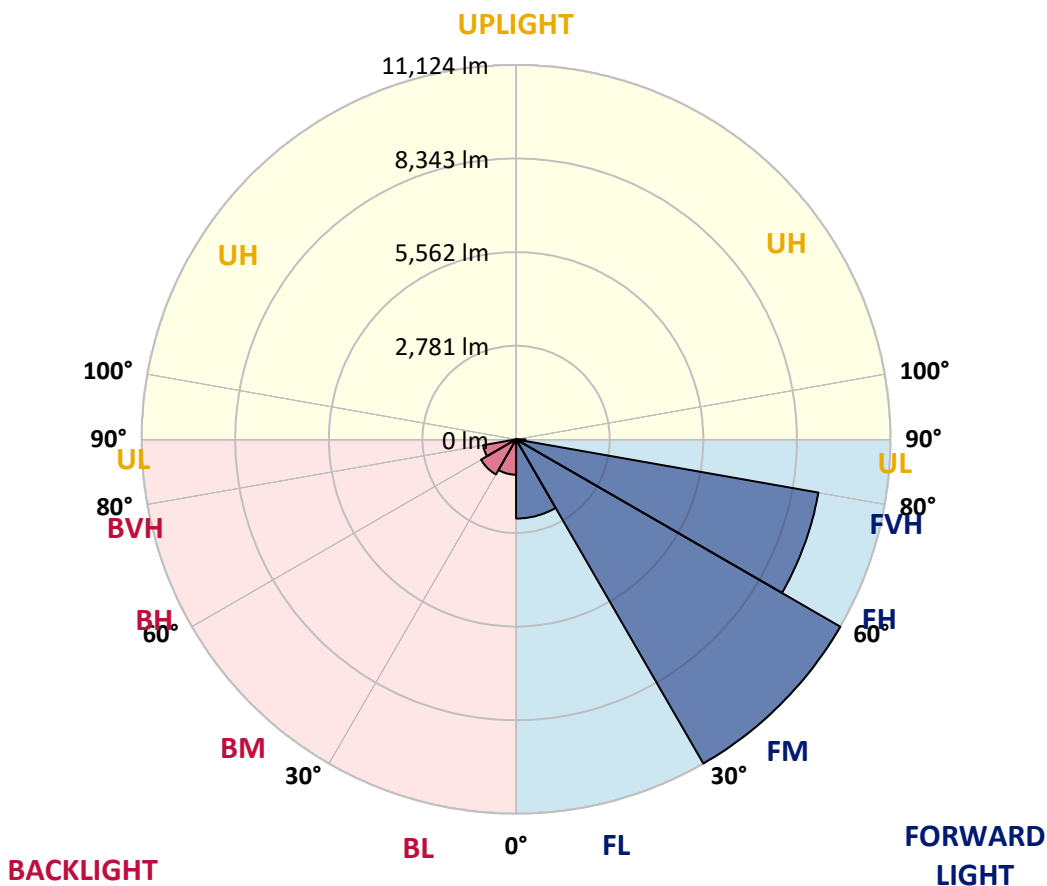
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2352.3	9.0			
FM (30°-60°)	11124.0	42.6			
FH (60°-80°)	9121.3	34.9			G4/12000
FVH (80°-90°)	277.0	1.1			G3/500
BL (0°-30°)	1049.1	4.0	B3/2500		
BM (30°-60°)	1202.2	4.6	B2/2500		
BH (60°-80°)	996.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	15.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4
2.5°	6119.6	6138.5	6112.5	6176.3	6188.1	6259.0	6299.2	6327.6	6325.2	6360.7	6360.7
5°	5760.3	5779.2	5765.0	5833.6	5887.9	5999.0	6091.2	6197.6	6202.3	6311.0	6351.2
7.5°	5455.4	5457.8	5457.8	5542.8	5613.8	5750.9	5887.9	6051.0	6069.9	6237.8	6344.1
10°	5204.8	5211.9	5214.3	5311.2	5389.2	5554.7	5729.6	5925.8	5947.0	6174.0	6339.4
12.5°	5032.3	5034.7	5044.1	5145.7	5230.8	5403.4	5580.7	5805.2	5833.6	6100.7	6318.1
15°	4949.6	4944.8	4949.6	5034.7	5119.7	5285.2	5467.2	5708.3	5739.0	6039.2	6320.5
17.5°	4944.8	4937.7	4933.0	4996.8	5051.2	5197.7	5382.1	5644.5	5677.6	6010.9	6346.5
20°	5013.4	5008.7	4985.0	5013.4	5025.2	5145.7	5327.8	5594.8	5627.9	6006.1	6403.2
22.5°	5193.0	5181.2	5145.7	5119.7	5055.9	5126.8	5289.9	5559.4	5597.2	6017.9	6476.5
25°	5460.1	5455.4	5410.5	5346.7	5183.6	5155.2	5292.3	5559.4	5594.8	6032.1	6554.5
27.5°	5861.9	5833.6	5776.9	5665.8	5431.8	5266.3	5339.6	5573.6	5609.0	6051.0	6618.3
30°	6270.9	6268.5	6249.6	6136.1	5788.7	5479.0	5438.8	5611.4	5644.5	6067.6	6677.4
32.5°	6694.0	6701.1	6748.3	6660.9	6280.3	5795.8	5618.5	5689.4	5713.0	6100.7	6729.4
35°	7095.8	7110.0	7235.2	7266.0	6878.3	6275.6	5911.6	5845.4	5847.8	6174.0	6798.0
37.5°	7481.1	7528.3	7729.3	7878.2	7622.9	6857.1	6334.7	6110.1	6091.2	6320.5	6902.0
40°	7918.4	8008.2	8261.1	8514.0	8433.6	7625.3	6911.4	6516.7	6476.5	6590.0	7088.7
42.5°	8402.9	8499.8	8835.5	9190.0	9227.8	8554.2	7632.3	7110.0	7041.4	7043.8	7438.5
45°	8922.9	9052.9	9442.9	9953.5	10182.8	9589.5	8521.1	7911.3	7842.7	7741.1	8001.1
47.5°	9606.0	9719.5	10095.3	10683.9	11123.5	10700.4	9686.4	8941.8	8816.6	8667.6	8875.6
50°	10194.6	10293.9	10617.7	11355.2	12269.9	12132.8	11007.7	10230.0	10109.5	9856.6	10029.1
52.5°	10324.6	10402.6	10700.4	11530.1	13146.8	13941.0	12626.8	11787.7	11702.6	11234.6	11300.8
55°	9740.8	9858.9	10126.0	11047.9	13376.1	15709.1	14728.1	13543.9	13366.7	12619.7	12737.9
57.5°	8265.8	8476.2	8726.7	9925.1	12754.5	16649.8	17663.8	15404.2	15243.4	13952.8	13955.2
60°	6058.1	6228.3	6396.1	7492.9	11279.5	16586.0	20327.7	17493.7	17200.6	15042.5	15002.3
62.5°	4405.9	4493.4	4491.0	4881.0	7745.8	15494.0	21727.0	20642.1	19959.0	16207.8	15978.5
65°	3465.2	3462.8	3564.4	3692.1	4325.5	11960.3	21899.6	25239.5	24502.0	17770.2	17292.7
67.5°	2697.0	2749.0	2850.6	3226.4	3250.1	6259.0	20382.1	28083.0	28068.8	20155.2	18831.5
70°	2080.0	2151.0	2295.1	2843.5	3001.9	3503.0	15250.5	27182.4	27411.7	21221.2	17741.8
72.5°	1335.5	1330.8	1543.5	2297.5	2883.7	2919.2	8433.6	21592.3	21852.3	19221.5	14345.2
75°	746.9	751.7	872.2	1406.4	2687.5	2746.6	4176.6	15397.1	15602.7	14985.8	11021.9
77.5°	293.1	302.6	408.9	739.8	1772.8	2453.5	2481.9	10499.5	10530.2	9286.9	6760.1
80°	118.2	125.3	208.0	458.6	1080.2	1652.2	1772.8	6185.8	6060.5	3595.2	1966.6
82.5°	35.5	37.8	82.7	260.0	564.9	1174.8	1196.0	2373.1	2240.8	772.9	501.1
85°	2.4	2.4	18.9	80.4	200.9	295.5	796.6	772.9	685.5	193.8	222.2
87.5°	0.0	0.0	2.4	2.4	4.7	9.5	85.1	141.8	144.2	35.5	99.3
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°	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4	6339.4
2.5°	6360.7	6275.6	6268.5	6202.3	6136.1	6053.4	5956.5	5885.6	5835.9	5748.5	5731.9
5°	6351.2	6237.8	6131.4	5942.3	5731.9	5505.0	5306.5	5122.1	5006.3	4928.3	4895.2
7.5°	6332.3	6188.1	5942.3	5585.4	5233.2	4836.1	4526.5	4242.8	4049.0	3935.5	3885.9
10°	6318.1	6124.3	5724.9	5183.6	4637.6	4089.2	3618.8	3198.1	2964.1	2779.7	2749.0
12.5°	6289.8	6032.1	5445.9	4713.2	4008.8	3280.8	2680.4	2165.1	1808.2	1647.5	1590.8
15°	6261.4	5935.2	5167.0	4216.8	3323.3	2425.1	1697.1	1200.8	954.9	879.3	874.6
17.5°	6256.7	5847.8	4864.5	3746.4	2604.8	1588.4	966.7	777.7	725.7	706.7	706.7
20°	6270.9	5774.5	4566.6	3205.2	1898.0	966.7	720.9	673.7	642.9	626.4	626.4
22.5°	6285.0	5698.9	4280.6	2659.1	1259.8	706.7	635.8	595.6	560.2	541.3	531.8
25°	6294.5	5616.1	3963.9	2110.8	822.6	614.6	557.8	505.8	463.3	439.6	439.6
27.5°	6292.1	5516.8	3644.8	1574.2	638.2	546.0	477.5	423.1	380.6	354.6	356.9
30°	6273.2	5408.1	3313.9	1099.1	557.8	477.5	408.9	352.2	309.6	288.4	286.0
32.5°	6259.0	5292.3	2931.0	772.9	501.1	418.4	347.5	293.1	257.6	241.1	238.7
35°	6242.5	5178.8	2567.0	588.6	451.5	361.6	293.1	248.2	219.8	205.6	205.6
37.5°	6247.2	5060.7	2172.2	505.8	401.8	314.4	250.6	212.7	189.1	174.9	172.5
40°	6320.5	4989.7	1784.6	458.6	356.9	271.8	217.5	184.4	160.7	146.5	144.2
42.5°	6502.5	4992.1	1413.5	423.1	316.7	231.6	189.1	158.4	137.1	120.5	118.2
45°	6866.5	5091.4	1084.9	385.3	274.2	200.9	163.1	134.7	113.5	99.3	96.9
47.5°	7462.2	5386.8	822.6	352.2	238.7	174.9	139.5	113.5	94.5	82.7	80.4
50°	8410.0	5921.0	647.7	312.0	200.9	151.3	118.2	94.5	78.0	66.2	63.8
52.5°	9549.3	6722.3	555.5	276.6	172.5	132.4	101.6	78.0	63.8	54.4	52.0
55°	10858.8	7679.6	512.9	241.1	146.5	113.5	82.7	63.8	52.0	44.9	40.2
57.5°	12059.5	8542.4	510.6	205.6	125.3	96.9	68.5	54.4	44.9	35.5	33.1
60°	13229.6	9263.3	479.8	170.2	108.7	80.4	59.1	44.9	37.8	30.7	28.4
62.5°	14290.9	9849.5	401.8	137.1	92.2	66.2	49.6	40.2	33.1	26.0	26.0
65°	15624.0	10596.4	307.3	111.1	75.6	54.4	42.5	35.5	30.7	23.6	23.6
67.5°	17002.0	10991.1	219.8	92.2	61.5	47.3	37.8	33.1	26.0	21.3	21.3
70°	15399.4	9286.9	158.4	75.6	52.0	40.2	33.1	30.7	26.0	21.3	18.9
72.5°	12026.4	6696.3	118.2	59.1	44.9	37.8	30.7	28.4	23.6	18.9	18.9
75°	8918.2	3904.8	89.8	47.3	35.5	30.7	30.7	28.4	23.6	18.9	16.5
77.5°	4847.9	1361.5	68.5	37.8	28.4	23.6	26.0	26.0	21.3	16.5	14.2
80°	1283.5	373.5	47.3	28.4	23.6	18.9	18.9	23.6	18.9	14.2	14.2
82.5°	373.5	108.7	33.1	23.6	18.9	16.5	16.5	16.5	14.2	11.8	9.5
85°	182.0	40.2	23.6	18.9	16.5	14.2	11.8	11.8	9.5	7.1	7.1
87.5°	80.4	16.5	18.9	16.5	16.5	11.8	9.5	7.1	7.1	4.7	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

(END OF REPORT)