

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: P642482

Luminaire Tested: GWS-SA6D-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642482  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-722-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

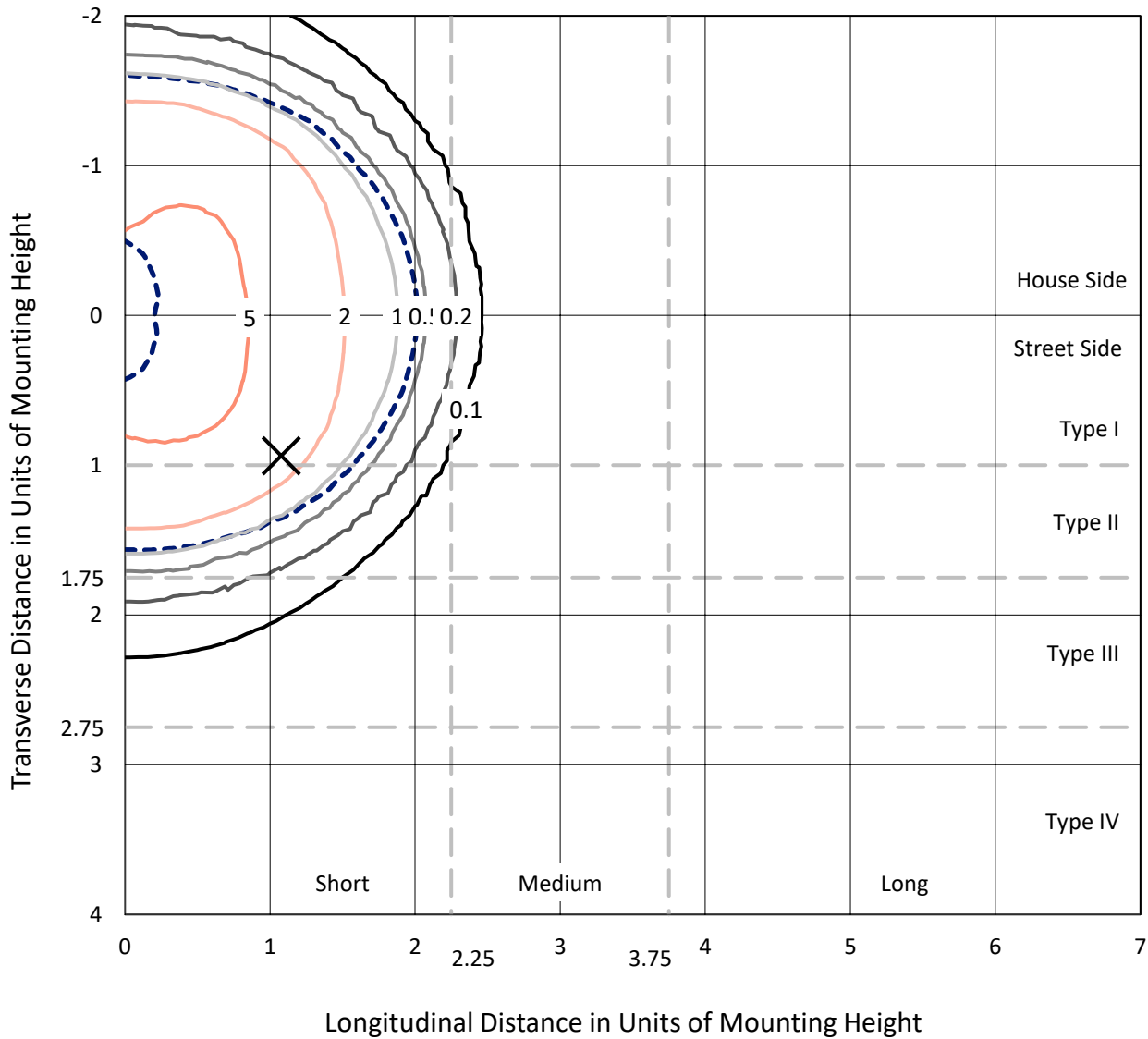
Lumens per Lamp: N/A  
Luminaire Lumens: 23260.3 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

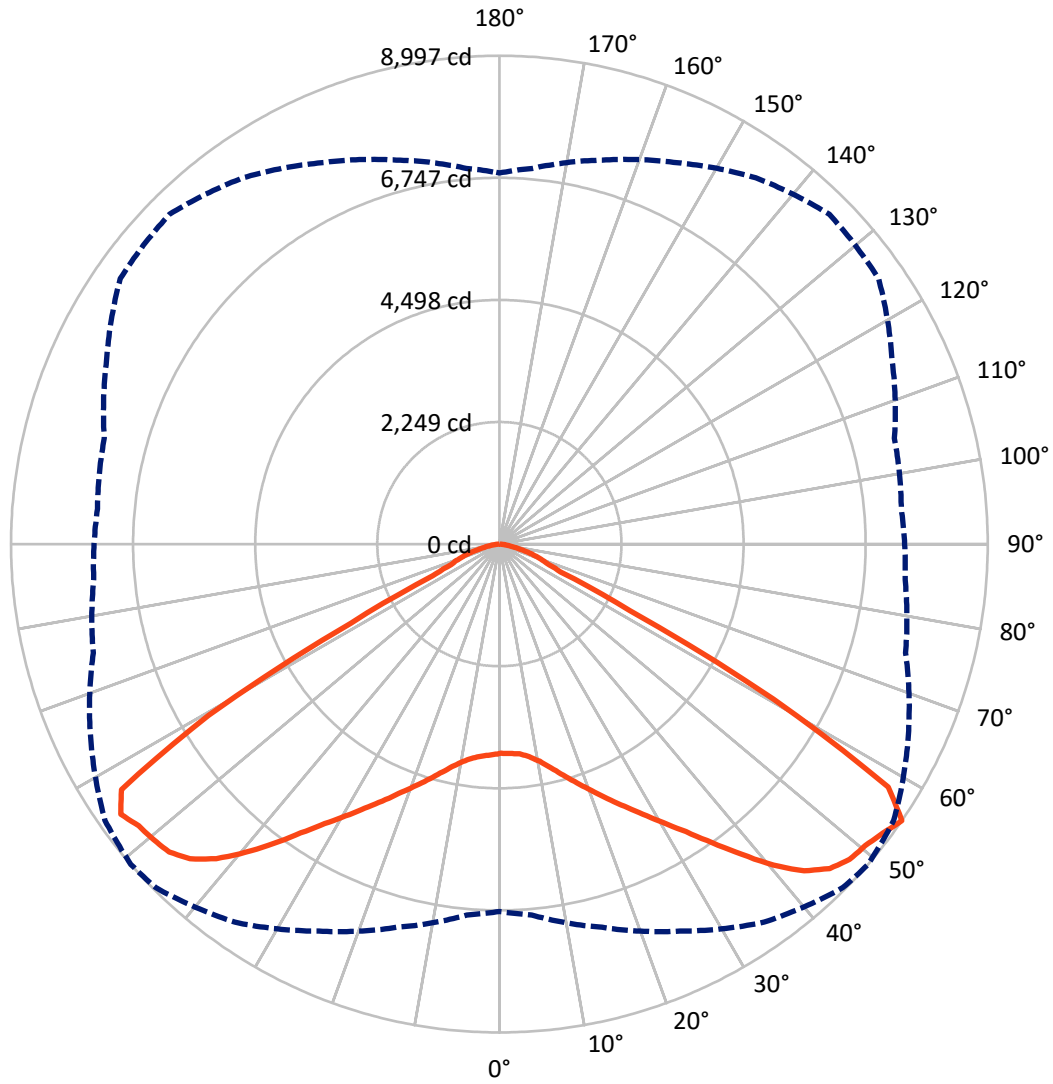
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11516.1	0.0	11516.1
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	11744.2	0.0	11744.2
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	23260.3	0.0	23260.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.9	1.6
10°-20°	1239.8	5.3
20°-30°	2361.5	10.2
30°-40°	4003.2	17.2
40°-50°	6024.6	25.9
50°-60°	6594.5	28.4
60°-70°	2085.2	9.0
70°-80°	500.5	2.2
80°-90°	75.1	0.3
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°	23260.3	100.0
0°-180°	23260.3	100.0

**Coefficient of Utilization**



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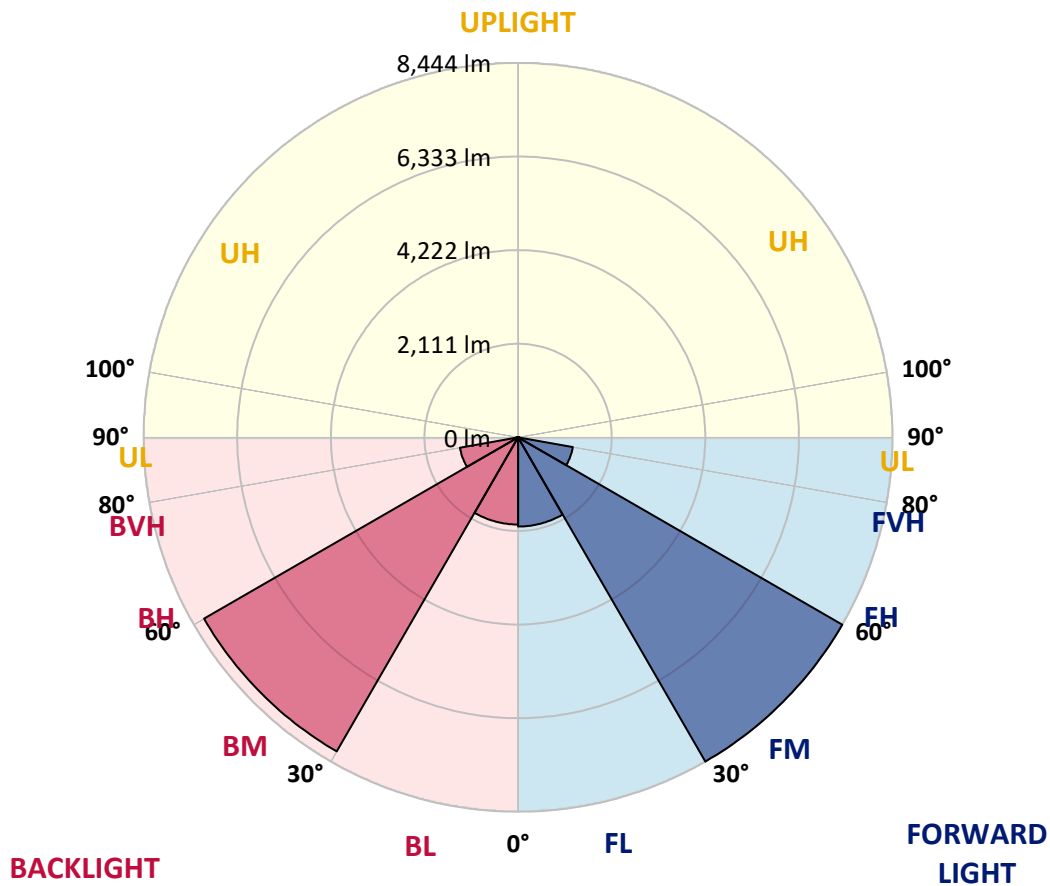
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2011.1	8.6			
FM (30°-60°)	8444.1	36.3			
FH (60°-80°)	1254.3	5.4			G1/1800
FVH (80°-90°)	34.8	0.1			G1/100
BL (0°-30°)	1966.1	8.5	B3/2500		
BM (30°-60°)	8178.2	35.2	B4/8500		
BH (60°-80°)	1331.4	5.7	B3/2500		G1/1800
BVH (80°-90°)	40.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2
2.5°	3796.5	3800.2	3807.8	3821.1	3834.3	3853.2	3860.8	3870.2	3868.3	3879.7	3879.7
5°	3777.5	3783.2	3794.6	3813.5	3836.2	3872.1	3881.6	3904.3	3927.0	3955.4	3964.8
7.5°	3800.2	3807.8	3821.1	3851.3	3885.4	3932.7	3951.6	3989.4	4032.9	4084.0	4104.8
10°	3843.8	3853.2	3875.9	3925.1	3979.9	4051.8	4068.9	4116.1	4186.1	4256.1	4297.7
12.5°	3892.9	3908.1	3949.7	4027.2	4108.6	4203.2	4229.6	4288.3	4363.9	4454.7	4511.5
15°	3949.7	3962.9	4027.2	4137.0	4263.7	4388.5	4418.8	4475.5	4560.7	4649.6	4729.0
17.5°	4068.9	4091.6	4167.2	4294.0	4441.5	4589.0	4623.1	4687.4	4755.5	4825.5	4901.2
20°	4231.5	4250.4	4346.9	4503.9	4678.0	4812.3	4846.3	4903.1	4935.2	4971.2	5035.5
22.5°	4394.2	4420.7	4530.4	4715.8	4920.1	5065.7	5092.2	5145.2	5122.5	5111.1	5152.7
25°	4596.6	4632.6	4740.4	4942.8	5150.9	5330.6	5351.4	5396.8	5358.9	5300.3	5298.4
27.5°	4848.2	4880.4	4992.0	5200.0	5406.2	5593.5	5633.2	5693.7	5610.5	5538.6	5487.6
30°	5147.1	5167.9	5290.8	5512.2	5724.0	5901.8	5952.9	6013.4	5951.0	5831.8	5780.8
32.5°	5495.1	5523.5	5665.4	5898.0	6087.2	6265.0	6316.1	6391.8	6323.7	6189.3	6125.0
35°	5913.2	5941.5	6091.0	6344.5	6537.4	6720.9	6756.8	6819.3	6734.1	6579.0	6527.9
37.5°	6367.2	6403.1	6592.3	6832.5	7034.9	7248.6	7250.5	7269.5	7148.4	6955.5	6898.7
40°	6877.9	6925.2	7114.3	7364.0	7608.1	7782.1	7780.2	7727.2	7522.9	7224.1	7137.0
42.5°	7383.0	7420.8	7611.8	7869.1	8113.1	8277.7	8228.5	8099.9	7804.8	7398.1	7282.7
45°	7748.0	7776.4	7976.9	8266.3	8514.1	8616.3	8527.4	8372.3	7973.1	7507.8	7337.6
47.5°	7920.2	7958.0	8160.4	8447.9	8727.9	8786.5	8680.6	8534.9	8071.5	7609.9	7381.1
50°	7827.5	7876.7	8105.5	8372.3	8688.2	8809.2	8733.6	8587.9	8175.5	7710.2	7458.6
52.5°	7587.2	7634.5	7924.0	8247.4	8604.9	8845.2	8843.3	8724.1	8294.7	7738.6	7462.4
55°	6766.3	6859.0	7309.2	7867.2	8502.8	8951.1	8996.5	8869.8	8313.6	7746.1	7502.1
57.5°	4403.7	4566.3	4993.9	5720.2	6995.2	8141.5	8447.9	8478.2	8177.4	7714.0	7509.7
60°	1838.6	1969.2	2307.8	2790.1	3843.8	5207.6	5801.6	6397.4	7116.2	7377.3	7439.7
62.5°	1142.5	1153.9	1187.9	1297.6	1649.5	2315.3	2697.4	3255.5	4324.2	5234.1	5654.0
65°	1030.9	1036.6	1044.2	1036.6	1053.6	1135.0	1237.1	1431.9	1867.0	2319.1	2856.3
67.5°	908.0	915.5	921.2	915.5	921.2	925.0	936.3	953.4	1032.8	1097.1	1146.3
70°	733.9	745.3	754.8	751.0	773.7	773.7	785.0	798.3	838.0	885.3	919.3
72.5°	559.9	550.5	561.8	565.6	586.4	597.7	614.8	629.9	675.3	703.7	747.2
75°	363.2	353.7	370.8	380.2	408.6	423.7	438.9	454.0	486.1	505.1	546.7
77.5°	196.7	194.8	211.9	225.1	255.4	274.3	285.6	297.0	323.5	329.1	355.6
80°	113.5	113.5	124.8	134.3	153.2	174.0	185.4	194.8	213.8	219.4	230.8
82.5°	62.4	62.4	68.1	73.8	88.9	100.3	109.7	117.3	134.3	140.0	145.7
85°	30.3	28.4	32.2	35.9	41.6	47.3	53.0	56.7	70.0	73.8	81.3
87.5°	3.8	3.8	3.8	5.7	7.6	11.3	13.2	13.2	20.8	24.6	28.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2	3853.2
2.5°	3891.0	3866.5	3881.6	3887.3	3887.3	3881.6	3857.0	3849.4	3838.1	3821.1	3821.1
5°	3978.1	3959.1	3962.9	3953.5	3930.8	3902.4	3857.0	3834.3	3815.4	3794.6	3792.7
7.5°	4127.5	4102.9	4099.1	4063.2	4002.6	3942.1	3874.0	3832.4	3804.0	3777.5	3775.7
10°	4322.3	4299.6	4271.3	4199.4	4110.5	4021.6	3928.9	3872.1	3830.5	3792.7	3790.8
12.5°	4539.9	4513.4	4460.4	4354.5	4242.9	4155.9	4049.9	3962.9	3900.5	3849.4	3840.0
15°	4776.3	4738.5	4647.7	4522.8	4413.1	4320.4	4206.9	4082.1	3987.5	3906.2	3896.7
17.5°	4957.9	4908.7	4810.4	4693.1	4602.3	4509.6	4362.1	4205.0	4068.9	3966.7	3951.6
20°	5082.8	5043.0	4931.4	4844.4	4791.4	4710.1	4538.0	4360.2	4206.9	4078.3	4070.7
22.5°	5198.1	5150.9	5041.1	4990.1	4990.1	4935.2	4770.6	4560.7	4381.0	4231.5	4212.6
25°	5328.7	5277.6	5194.4	5188.7	5215.2	5190.6	4992.0	4766.9	4556.9	4388.5	4358.3
27.5°	5510.3	5453.5	5404.3	5438.4	5476.2	5449.7	5228.4	4967.4	4746.0	4575.8	4549.3
30°	5799.7	5729.7	5684.3	5725.9	5799.7	5722.1	5481.9	5205.7	4982.5	4795.2	4782.0
32.5°	6136.4	6056.9	6009.6	6075.9	6142.1	6021.0	5782.7	5517.8	5283.3	5086.5	5063.8
35°	6541.2	6440.9	6370.9	6459.8	6527.9	6408.8	6172.3	5920.7	5659.7	5455.4	5425.1
37.5°	6900.6	6779.5	6732.2	6857.1	6947.9	6870.3	6613.1	6376.6	6091.0	5867.8	5854.5
40°	7161.6	7042.5	7008.4	7214.6	7373.5	7354.6	7123.8	6853.3	6584.7	6327.4	6302.8
42.5°	7275.1	7191.9	7199.5	7477.5	7723.4	7844.5	7638.3	7348.9	7089.8	6823.0	6806.0
45°	7299.7	7248.6	7309.2	7657.2	7980.7	8228.5	8052.6	7810.5	7517.3	7260.0	7252.4
47.5°	7326.2	7297.8	7390.5	7759.4	8143.4	8430.9	8332.5	8082.8	7785.9	7534.3	7515.4
50°	7388.6	7377.3	7481.3	7831.3	8220.9	8485.8	8374.2	8126.4	7821.8	7574.0	7528.6
52.5°	7407.5	7388.6	7538.1	7942.9	8349.6	8483.9	8243.6	7920.2	7613.7	7337.6	7290.3
55°	7466.2	7432.1	7534.3	7984.5	8527.4	8593.6	8236.1	7751.8	7324.3	6947.9	6836.3
57.5°	7481.3	7443.5	7509.7	7916.4	8334.4	8275.8	7239.2	6255.6	5449.7	5031.7	5079.0
60°	7400.0	7411.3	7297.8	7252.4	6685.0	5901.8	4432.0	3543.0	2782.6	2461.0	2531.0
62.5°	5633.2	5680.5	5292.7	4602.3	3539.2	2805.3	1855.7	1441.4	1220.1	1163.3	1172.8
65°	2843.1	2907.4	2504.5	2071.3	1539.8	1244.7	1076.3	1042.3	1030.9	1017.7	1017.7
67.5°	1125.5	1144.4	1129.3	1057.4	983.6	957.2	949.6	945.8	932.6	925.0	926.9
70°	904.2	919.3	896.6	851.2	821.0	819.1	815.3	807.7	798.3	798.3	803.9
72.5°	737.7	752.9	720.7	692.3	669.6	652.6	643.1	637.5	624.2	624.2	629.9
75°	542.9	552.4	525.9	522.1	497.5	480.5	465.3	457.8	440.7	433.2	438.9
77.5°	361.3	359.4	346.2	346.2	336.7	315.9	298.9	281.8	259.2	244.0	247.8
80°	234.6	234.6	228.9	228.9	219.4	202.4	181.6	164.6	151.3	140.0	140.0
82.5°	149.4	147.5	145.7	143.8	140.0	123.0	107.8	96.5	87.0	79.4	81.3
85°	83.2	83.2	79.4	79.4	71.9	62.4	54.9	47.3	41.6	39.7	39.7
87.5°	28.4	28.4	26.5	26.5	22.7	17.0	13.2	11.3	9.5	7.6	9.5
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)