

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: P643831

Luminaire Tested: GWS-SA6F-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31007.1 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

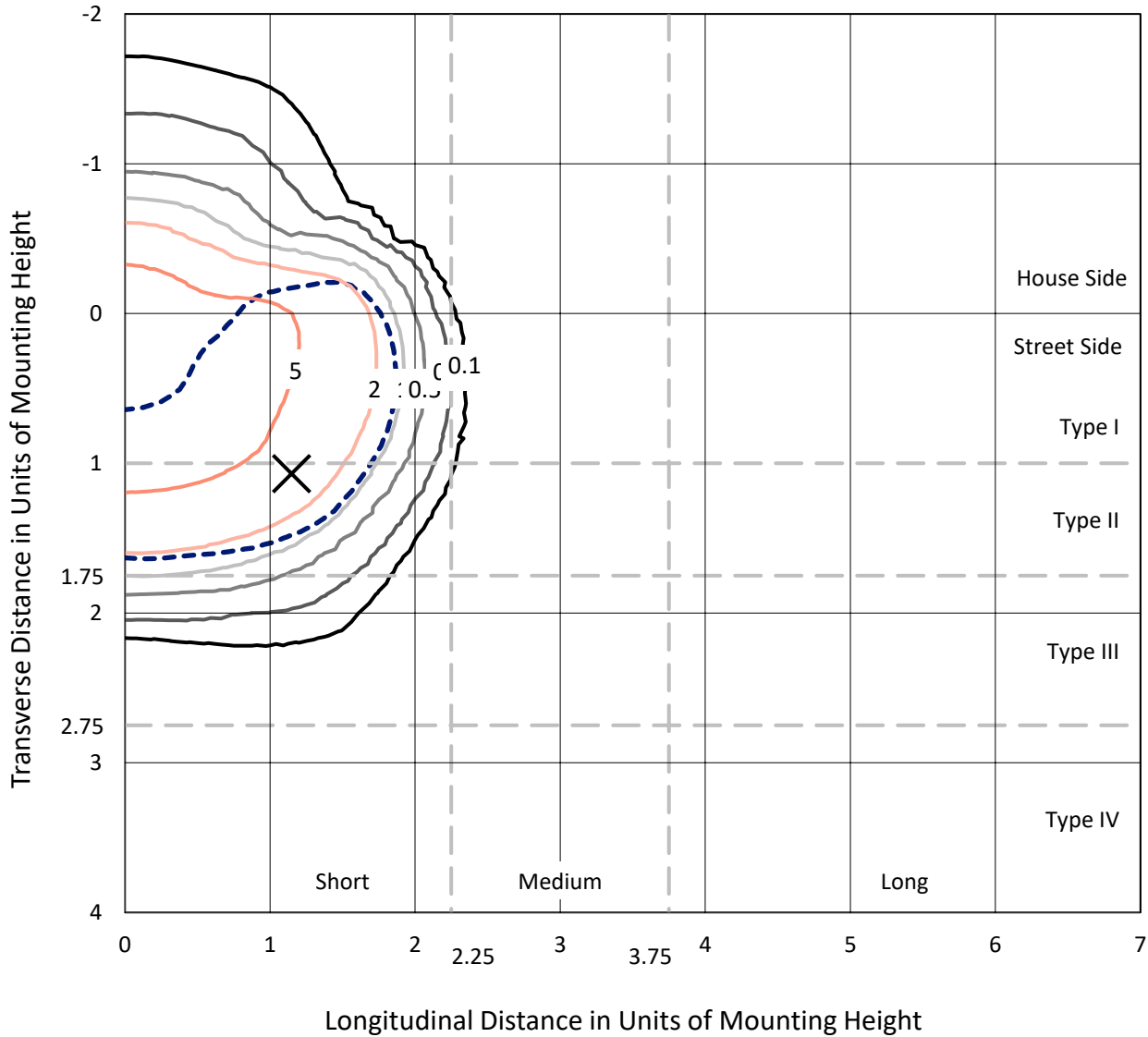
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

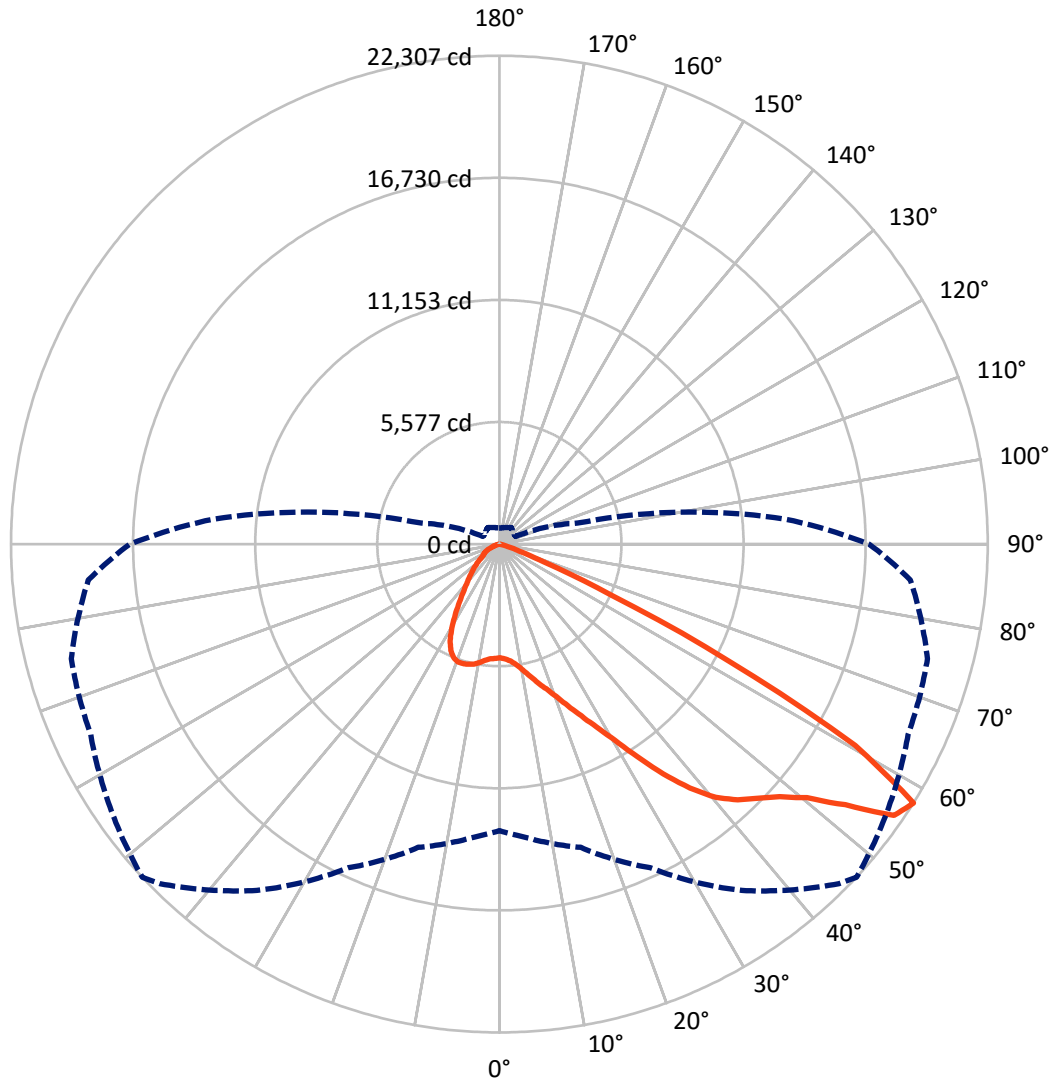
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6727.0	0.0	6727.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	24280.1	0.0	24280.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	31007.1	0.0	31007.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.4	1.7
10°-20°	1742.5	5.6
20°-30°	3235.4	10.4
30°-40°	5179.2	16.7
40°-50°	7570.8	24.4
50°-60°	9343.7	30.1
60°-70°	3122.1	10.1
70°-80°	290.9	0.9
80°-90°	6.0	0.0
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°	31007.1	100.0
0°-180°	31007.1	100.0

Coefficient of Utilization



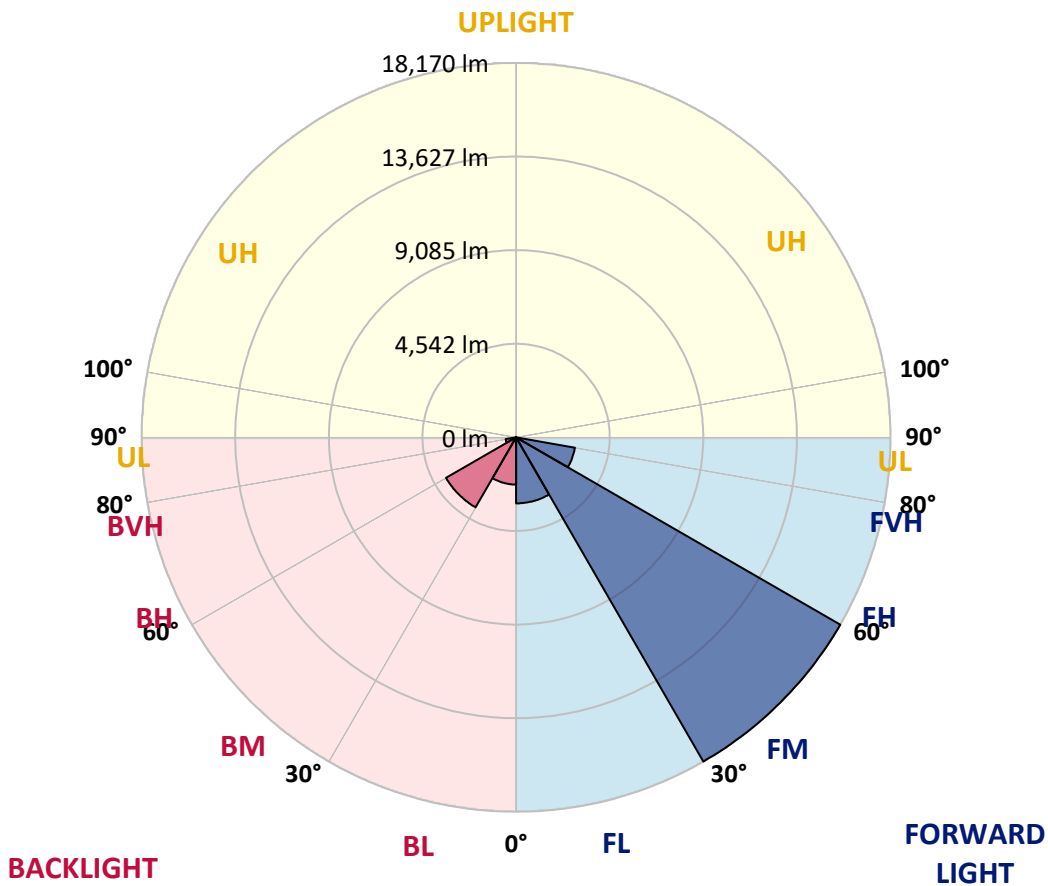
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3204.5	10.3			
FM (30°-60°)	18169.9	58.6			
FH (60°-80°)	2901.6	9.4			G2/5000
FVH (80°-90°)	4.1	0.0			G0/10
BL (0°-30°)	2289.8	7.4	B3/2500		
BM (30°-60°)	3923.9	12.7	B3/5000		
BH (60°-80°)	511.4	1.6	B2/1000		G2/1000
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6
2.5°	5244.6	5241.0	5237.4	5259.0	5251.8	5248.2	5255.4	5255.4	5255.4	5233.8	5190.6
5°	5370.6	5370.6	5367.0	5388.6	5370.6	5359.8	5363.4	5363.4	5349.0	5309.4	5255.4
7.5°	5568.6	5561.4	5554.2	5575.8	5557.8	5554.2	5561.4	5539.8	5514.6	5449.8	5374.2
10°	5852.9	5852.9	5842.1	5863.7	5849.3	5842.1	5842.1	5827.8	5781.0	5680.2	5568.6
12.5°	6245.3	6227.3	6202.1	6184.1	6176.9	6173.3	6176.9	6155.3	6104.9	5975.3	5820.6
15°	6673.7	6659.3	6619.7	6590.9	6551.3	6544.1	6565.7	6547.7	6497.3	6320.9	6101.3
17.5°	7213.6	7231.6	7130.8	7069.6	6954.4	6947.2	6954.4	6983.2	6947.2	6720.5	6400.1
20°	7674.3	7688.7	7613.2	7570.0	7465.6	7418.8	7433.2	7480.0	7440.4	7174.0	6727.7
22.5°	8167.5	8185.5	8106.3	8016.3	7969.5	7969.5	8023.5	8088.3	8034.3	7685.1	7102.0
25°	8757.8	8772.2	8707.4	8588.6	8505.9	8610.2	8689.4	8862.2	8772.2	8297.1	7544.8
27.5°	9434.5	9438.1	9344.6	9222.2	9179.0	9373.4	9452.5	9718.9	9682.9	8984.6	8012.7
30°	10158.1	10161.7	10140.1	10057.3	10017.7	10273.3	10381.2	10766.4	10741.2	9837.7	8649.8
32.5°	10910.4	10910.4	10950.0	10942.8	10989.6	11407.1	11579.9	12019.1	11993.9	10881.6	9441.7
35°	11666.3	11669.9	11738.3	11911.1	12105.5	12659.8	12886.6	13419.3	13361.7	12130.6	10453.2
37.5°	12526.6	12490.6	12584.2	12843.4	13275.3	13916.1	14132.0	14639.6	14574.8	13408.5	11774.3
40°	13563.3	13498.5	13498.5	13800.9	14290.4	15028.3	15211.9	15463.9	15244.3	14441.6	13070.1
42.5°	14708.0	14646.8	14567.6	14833.9	15244.3	15820.2	15971.4	15903.0	15723.0	15417.1	14546.0
45°	15867.0	15773.4	15827.4	15989.4	16227.0	16500.6	16558.2	16241.4	16158.6	16245.0	15766.2
47.5°	16748.9	16684.1	16817.3	17044.1	17238.5	17278.1	17238.5	16799.3	16792.1	17098.1	16612.1
50°	17044.1	17051.3	17418.5	17915.2	18228.4	18260.8	18206.8	17702.8	17634.4	17724.4	17069.3
52.5°	17072.9	17101.7	17638.0	18584.7	19437.8	19826.6	19783.4	19239.9	18570.3	18473.1	17760.4
55°	16378.2	16547.4	17296.1	18678.3	20492.5	21734.4	21878.4	20838.1	19844.6	19761.8	19247.1
57.5°	13091.7	13437.3	14340.8	16309.8	19315.4	21932.4	22306.7	21558.0	20596.9	20244.1	18847.5
60°	7825.5	8253.9	9121.4	11536.7	14700.8	18026.8	18671.1	18775.5	18332.8	17314.1	14459.6
62.5°	3358.4	3322.4	4391.5	6241.7	8743.4	11457.5	11749.1	12202.6	12587.8	11522.3	8775.8
65°	1151.9	1252.7	1742.2	2814.9	4377.1	5320.2	5579.4	5986.1	6533.3	5392.2	3214.4
67.5°	712.7	755.9	1004.3	1663.0	2361.3	2325.3	2210.2	2145.4	2087.8	1429.0	881.9
70°	518.3	554.3	705.5	1144.7	1587.4	1115.9	968.3	784.7	871.1	802.7	626.3
72.5°	349.2	378.0	485.9	694.7	813.5	543.5	503.9	572.3	691.1	658.7	511.1
75°	208.8	226.8	277.2	338.4	331.2	280.8	284.4	403.2	529.1	493.1	363.6
77.5°	144.0	151.2	183.6	219.6	162.0	86.4	79.2	111.6	180.0	180.0	122.4
80°	36.0	46.8	46.8	28.8	25.2	21.6	21.6	32.4	50.4	36.0	18.0
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2	7.2	7.2	7.2
85°	0.0	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.2	7.2	7.2
87.5°	0.0	0.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2	7.2
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°	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6	5190.6
2.5°	5215.8	5172.6	5201.4	5194.2	5215.8	5223.0	5190.6	5183.4	5187.0	5143.8	5129.4
5°	5266.2	5215.8	5230.2	5215.8	5241.0	5262.6	5251.8	5266.2	5284.2	5251.8	5237.4
7.5°	5374.2	5323.8	5320.2	5298.6	5334.6	5349.0	5345.4	5385.0	5421.0	5399.4	5377.8
10°	5561.4	5493.0	5485.8	5467.8	5478.6	5489.4	5449.8	5457.0	5489.4	5464.2	5453.4
12.5°	5791.8	5709.0	5691.0	5647.8	5647.8	5593.8	5507.4	5489.4	5514.6	5496.6	5478.6
15°	6040.1	5928.5	5899.7	5824.2	5752.2	5651.4	5561.4	5539.8	5557.8	5536.2	5521.8
17.5°	6317.3	6191.3	6097.7	5964.5	5806.2	5687.4	5586.6	5539.8	5511.0	5467.8	5464.2
20°	6590.9	6425.3	6266.9	6054.5	5845.7	5665.8	5500.2	5377.8	5273.4	5208.6	5183.4
22.5°	6907.6	6662.9	6407.3	6108.5	5809.8	5536.2	5244.6	5035.8	4855.9	4794.7	4765.9
25°	7246.0	6929.2	6547.7	6158.9	5687.4	5248.2	4852.3	4542.7	4305.1	4225.9	4193.5
27.5°	7620.4	7184.8	6691.7	6148.1	5435.4	4837.9	4312.3	3927.2	3693.2	3621.2	3646.4
30°	8095.5	7516.0	6871.6	6036.5	5057.4	4261.9	3646.4	3322.4	3146.0	3077.7	3081.3
32.5°	8729.0	7991.1	7134.4	5799.0	4571.5	3606.8	3066.9	2829.3	2710.5	2620.5	2613.3
35°	9636.1	8714.6	7379.2	5417.4	3981.2	3023.7	2631.3	2444.1	2278.5	2174.2	2192.2
37.5°	10723.2	9625.3	7512.4	4902.7	3318.8	2570.1	2303.7	2113.0	1925.8	1771.0	1789.0
40°	12011.9	10816.8	7501.6	4225.9	2714.1	2260.5	2030.2	1807.0	1573.0	1432.6	1447.0
42.5°	13448.1	11943.5	7267.6	3509.6	2249.7	2008.6	1767.4	1486.6	1259.9	1173.5	1177.1
45°	14693.6	12857.8	6857.2	2768.1	1893.4	1763.8	1493.8	1205.9	1105.1	1043.9	1040.3
47.5°	15615.1	13527.3	6270.5	2177.8	1605.4	1540.6	1227.5	1079.9	1000.7	950.3	943.1
50°	16129.8	13761.3	5622.6	1706.2	1357.0	1306.7	1097.9	979.1	925.1	892.7	885.5
52.5°	16820.9	14042.0	5158.2	1346.3	1137.5	1069.1	1011.5	910.7	874.7	849.5	838.7
55°	17915.2	14585.6	4755.1	1069.1	946.7	932.3	953.9	871.1	849.5	809.9	795.5
57.5°	16885.7	13102.5	3693.2	827.9	799.1	853.1	921.5	831.5	777.5	741.5	727.1
60°	11882.3	8711.0	1857.4	665.9	712.7	799.1	867.5	752.3	698.3	705.5	698.3
62.5°	6551.3	4359.1	835.1	557.9	619.1	705.5	741.5	651.5	615.5	676.7	687.5
65°	2141.8	1483.0	482.3	432.0	489.5	575.9	640.7	619.1	611.9	683.9	705.5
67.5°	658.7	489.5	327.6	309.6	338.4	424.8	539.9	669.5	719.9	741.5	752.3
70°	493.1	385.2	280.8	262.8	277.2	324.0	457.1	557.9	525.5	529.1	521.9
72.5°	396.0	306.0	241.2	230.4	230.4	223.2	241.2	302.4	342.0	360.0	360.0
75°	277.2	216.0	183.6	169.2	133.2	108.0	97.2	97.2	86.4	82.8	79.2
77.5°	93.6	79.2	72.0	57.6	39.6	32.4	28.8	25.2	18.0	10.8	7.2
80°	14.4	10.8	7.2	7.2	7.2	3.6	3.6	3.6	0.0	0.0	0.0
82.5°	7.2	7.2	7.2	7.2	7.2	3.6	3.6	0.0	0.0	0.0	0.0
85°	7.2	7.2	7.2	7.2	7.2	3.6	3.6	0.0	0.0	0.0	0.0
87.5°	7.2	7.2	7.2	7.2	3.6	3.6	3.6	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

(END OF REPORT)