

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: P642267

Luminaire Tested: GWS-SA6C-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28542.5 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

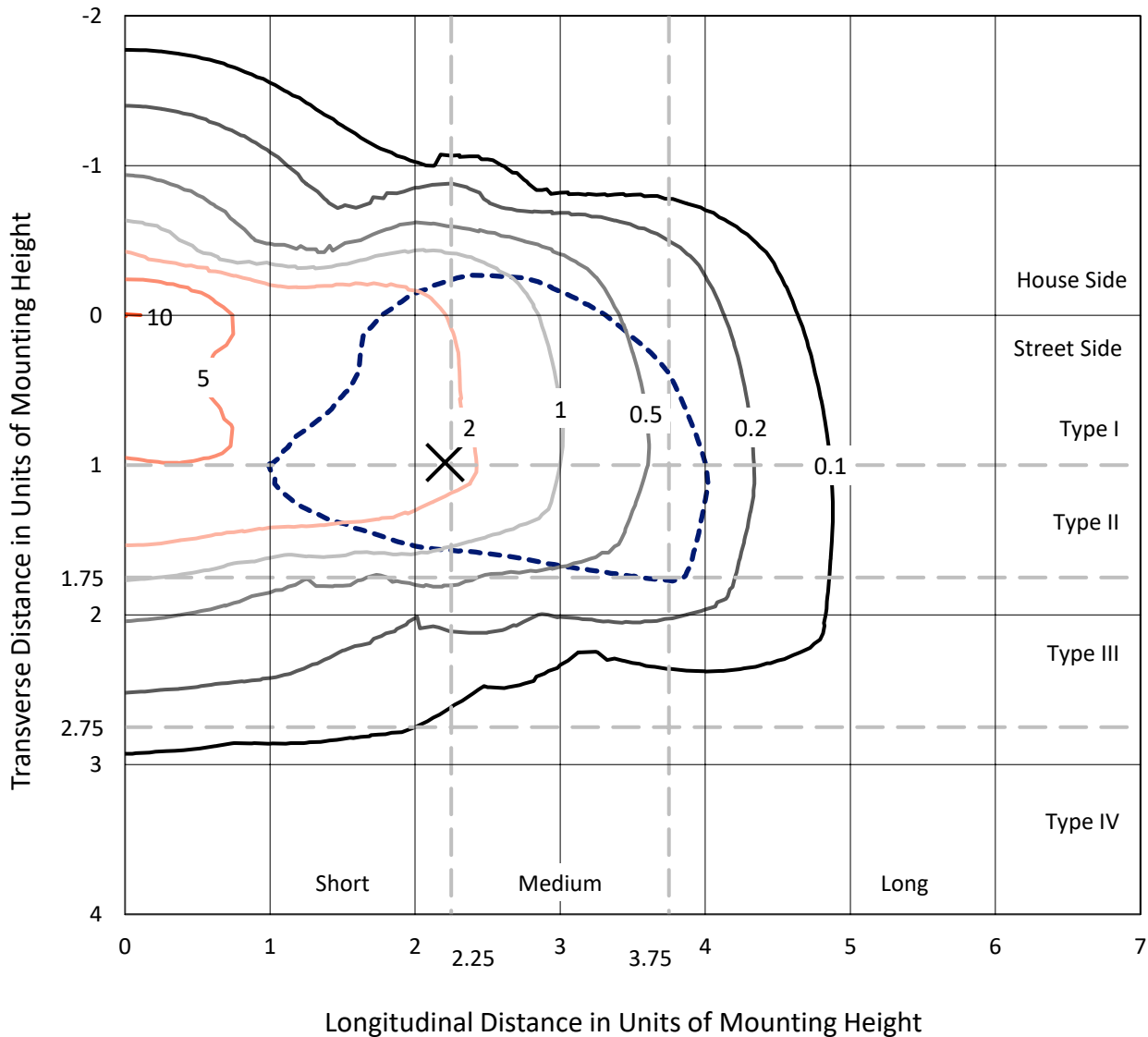
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

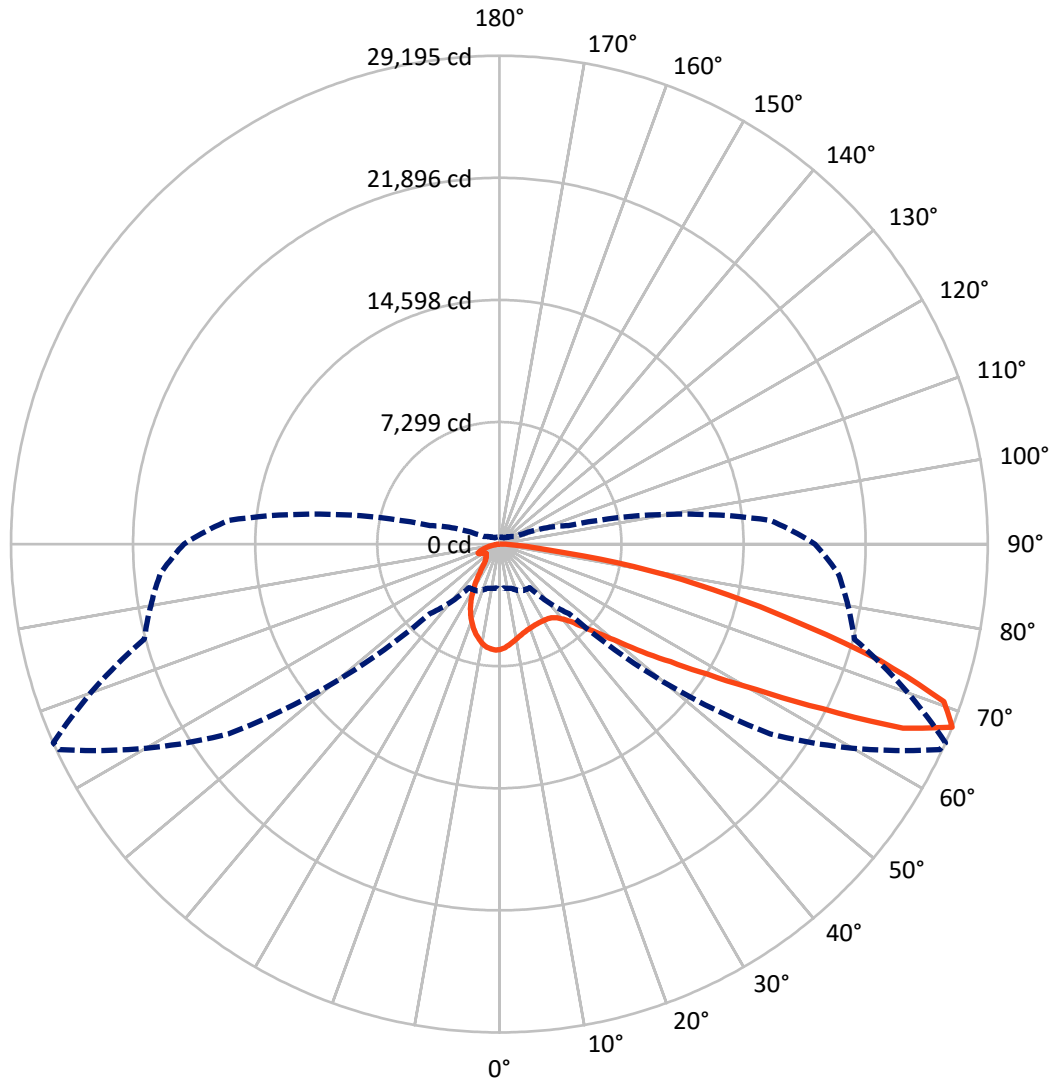
✕ Max cd
 - - - 1/2 Max cd



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 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5791.9	0.0	5791.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	22750.6	0.0	22750.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	28542.5	0.0	28542.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.5	1.9
10°-20°	1360.4	4.8
20°-30°	1869.8	6.6
30°-40°	2556.4	9.0
40°-50°	3873.6	13.6
50°-60°	6021.6	21.1
60°-70°	7331.2	25.7
70°-80°	4465.8	15.6
80°-90°	510.1	1.8
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°	28542.5	100.0
0°-180°	28542.5	100.0

Coefficient of Utilization



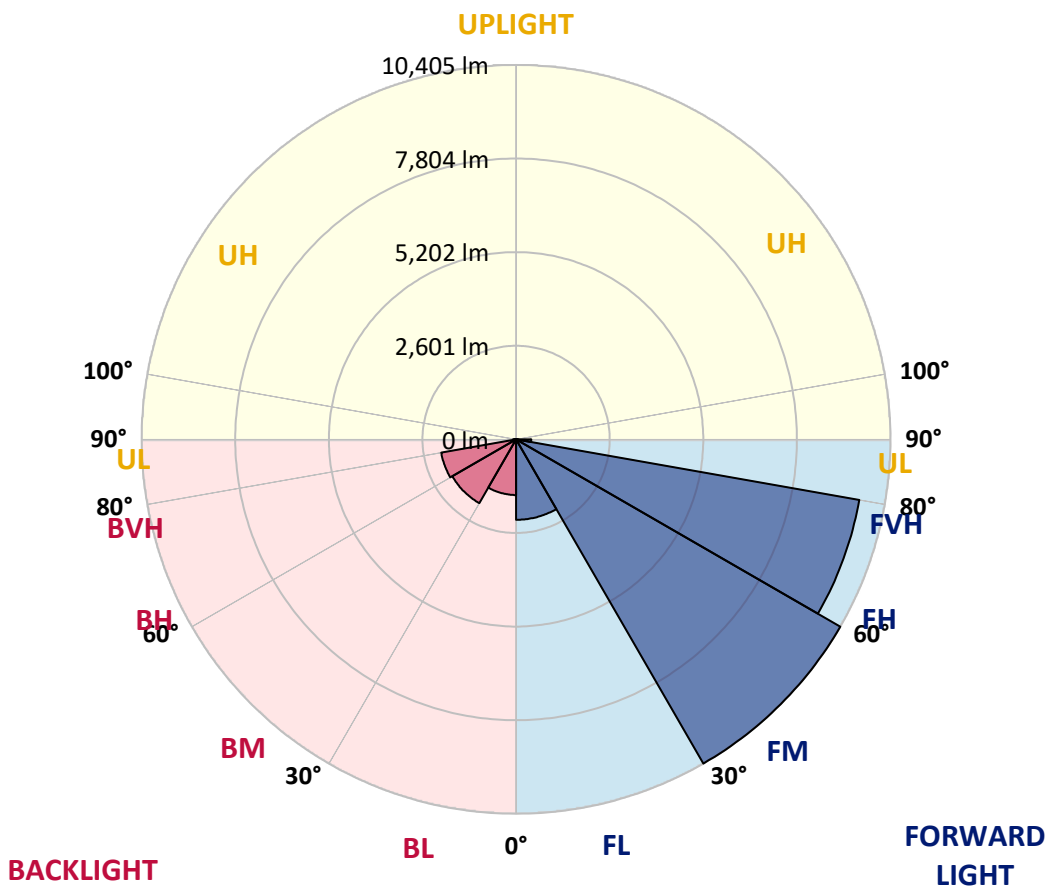
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2236.4	7.8			
FM (30°-60°)	10404.8	36.5			
FH (60°-80°)	9685.2	33.9			G4/12000
FVH (80°-90°)	424.1	1.5			G3/500
BL (0°-30°)	1547.3	5.4	B3/2500		
BM (30°-60°)	2046.8	7.2	B2/2500		
BH (60°-80°)	2111.8	7.4	B3/2500		G3/2500
BVH (80°-90°)	86.0	0.3			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°	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1
2.5°	5907.3	5928.1	5915.6	5994.7	5998.9	6098.9	6155.1	6203.0	6207.1	6269.6	6311.2
5°	5503.3	5515.8	5515.8	5590.8	5640.8	5774.0	5903.1	6040.6	6051.0	6200.9	6315.4
7.5°	5176.4	5188.9	5180.6	5280.5	5345.1	5492.9	5657.4	5867.7	5888.6	6130.1	6330.0
10°	4920.3	4916.2	4937.0	5028.6	5111.9	5288.9	5472.1	5711.6	5742.8	6048.9	6346.6
12.5°	4745.4	4749.6	4762.1	4857.8	4947.4	5122.3	5311.8	5572.1	5605.4	5955.2	6338.3
15°	4662.1	4653.8	4664.2	4751.7	4837.0	4991.1	5186.8	5455.4	5488.8	5871.9	6340.4
17.5°	4643.4	4637.1	4635.0	4697.5	4762.1	4905.7	5093.1	5365.9	5401.3	5817.8	6352.9
20°	4701.7	4693.4	4670.4	4697.5	4724.6	4845.4	5026.5	5301.4	5340.9	5782.4	6377.9
22.5°	4862.0	4847.4	4812.0	4778.7	4743.3	4816.2	4984.9	5253.5	5293.0	5759.5	6402.9
25°	5105.6	5093.1	5055.7	4980.7	4851.6	4839.1	4976.5	5232.7	5272.2	5742.8	6413.3
27.5°	5440.9	5422.1	5384.7	5276.4	5066.1	4924.5	5007.8	5230.6	5268.0	5724.1	6402.9
30°	5838.6	5826.1	5805.3	5674.1	5393.0	5105.6	5078.6	5247.2	5276.4	5713.6	6382.0
32.5°	6242.5	6230.0	6246.7	6184.2	5838.6	5405.5	5232.7	5293.0	5313.9	5711.6	6363.3
35°	6598.6	6613.2	6733.9	6744.4	6404.9	5811.5	5476.3	5399.2	5403.4	5753.2	6371.6
37.5°	6971.3	7027.5	7185.8	7321.1	7037.9	6348.7	5838.6	5599.1	5595.0	5859.4	6423.7
40°	7464.8	7489.8	7691.8	7945.8	7768.8	7085.8	6352.9	5926.0	5896.9	6076.0	6563.2
42.5°	7945.8	8006.2	8328.9	8620.4	8562.1	7916.6	7000.5	6415.4	6363.3	6459.1	6850.5
45°	8558.0	8616.3	8978.6	9353.4	9459.6	8855.7	7829.2	7110.8	7058.8	7035.9	7377.3
47.5°	9170.2	9230.5	9555.4	10096.7	10469.5	10030.1	8907.8	8029.1	7943.7	7854.2	8172.8
50°	9582.4	9653.2	9963.5	10613.1	11487.7	11496.0	10186.3	9232.6	9124.3	8982.8	9293.0
52.5°	9567.9	9613.7	9909.3	10658.9	12220.6	13180.5	11897.9	10765.1	10677.7	10369.5	10640.2
55°	8816.2	8884.9	9182.6	10119.6	12299.7	14777.6	14413.2	12572.5	12416.4	11864.6	12162.3
57.5°	7306.6	7364.9	7664.7	8820.3	11598.0	15595.9	17607.4	14875.5	14661.0	13492.9	13836.4
60°	5515.8	5445.0	5586.6	6598.6	9919.8	15616.7	20426.7	17998.8	17640.7	15233.6	15521.0
62.5°	4139.5	4068.7	4099.9	4385.2	6725.6	14354.9	22034.2	22271.6	21680.2	17199.2	17143.0
65°	3271.2	3231.6	3321.2	3516.9	3920.8	10931.7	22046.7	26892.0	26519.3	19477.2	18806.7
67.5°	2665.3	2640.3	2731.9	3094.2	3179.6	5874.0	19768.7	29049.2	29195.0	21971.7	20349.7
70°	2146.8	2109.3	2253.0	2729.8	2956.8	3554.4	14161.3	27949.8	28185.1	23458.4	19914.5
72.5°	1482.5	1484.6	1557.5	2211.3	2854.7	3069.2	8010.3	23273.1	23783.3	22111.2	17507.4
75°	999.5	1007.8	1028.6	1459.6	2629.9	2977.6	4268.6	17619.9	17980.1	18275.8	14471.5
77.5°	603.8	608.0	655.9	882.9	1813.6	2779.8	2892.2	12772.4	13055.6	12047.8	8970.3
80°	349.8	364.4	408.1	591.4	1224.4	2088.5	2238.4	7831.3	8151.9	5355.5	2850.6
82.5°	154.1	164.5	222.8	343.6	714.2	1776.1	1747.0	3094.2	3048.4	1493.0	989.1
85°	27.1	33.3	47.9	108.3	262.4	937.0	1355.5	1365.9	1284.7	566.4	410.2
87.5°	0.0	0.0	0.0	0.0	0.0	6.2	204.1	366.5	364.4	160.3	141.6
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°	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1	6307.1
2.5°	6338.3	6282.1	6332.1	6338.3	6327.9	6319.6	6257.1	6203.0	6196.7	6138.4	6138.4
5°	6361.2	6309.2	6334.2	6286.3	6211.3	6134.3	6001.0	5909.4	5867.7	5792.8	5792.8
7.5°	6392.5	6338.3	6309.2	6190.5	6015.6	5846.9	5632.4	5453.4	5380.5	5274.3	5270.1
10°	6421.6	6352.9	6252.9	6021.8	5742.8	5474.2	5161.9	4907.8	4735.0	4608.0	4608.0
12.5°	6419.5	6330.0	6132.2	5790.7	5405.5	5016.1	4599.7	4216.5	3987.5	3789.7	3777.2
15°	6415.4	6292.5	5978.1	5522.1	5011.9	4472.6	3906.3	3406.5	3067.1	2873.5	2856.8
17.5°	6411.2	6244.6	5805.3	5216.0	4533.0	3798.0	3050.5	2509.1	2225.9	2107.2	2111.4
20°	6411.2	6190.5	5619.9	4864.1	3981.2	2990.1	2238.4	1844.9	1774.1	1780.3	1786.6
22.5°	6392.5	6123.8	5413.8	4481.0	3367.0	2198.8	1651.2	1517.9	1555.4	1613.7	1622.1
25°	6348.7	6013.5	5174.3	4056.2	2636.1	1601.2	1347.2	1322.2	1390.9	1463.8	1484.6
27.5°	6280.0	5886.5	4905.7	3558.5	1940.6	1286.8	1184.8	1182.7	1236.8	1291.0	1309.7
30°	6207.1	5744.9	4622.6	3004.7	1405.5	1120.2	1080.7	1080.7	1107.7	1141.1	1136.9
32.5°	6121.8	5601.2	4318.6	2427.9	1145.2	1026.5	1014.0	1007.8	1012.0	1024.5	1024.5
35°	6048.9	5474.2	4006.2	1817.8	1026.5	974.5	962.0	947.4	941.2	932.8	937.0
37.5°	6021.8	5374.2	3683.5	1370.1	968.2	937.0	916.2	895.4	880.8	876.6	874.5
40°	6065.5	5332.6	3360.7	1128.6	926.6	897.4	874.5	847.5	835.0	835.0	835.0
42.5°	6236.3	5363.8	3031.7	1020.3	897.4	864.1	830.8	805.8	801.7	805.8	807.9
45°	6548.6	5484.6	2690.2	966.2	872.5	830.8	791.2	772.5	772.5	776.7	776.7
47.5°	7106.7	5801.1	2352.9	932.8	847.5	803.7	762.1	743.4	741.3	745.4	745.4
50°	8072.8	6371.6	2048.9	909.9	828.7	782.9	741.3	716.3	710.0	708.0	708.0
52.5°	9290.9	7360.7	1855.3	893.3	805.8	760.0	718.4	685.1	672.6	666.3	666.3
55°	10763.1	8678.7	1855.3	880.8	776.7	732.9	685.1	651.7	633.0	624.7	624.7
57.5°	12430.9	10213.4	2175.9	870.4	753.8	701.7	649.7	616.3	595.5	583.0	583.0
60°	14127.9	11835.4	2969.3	855.8	732.9	662.1	610.1	578.9	551.8	537.2	535.1
62.5°	15887.4	13622.0	4014.5	864.1	718.4	624.7	568.4	533.1	510.1	495.6	493.5
65°	17499.1	15323.1	4928.6	928.7	720.5	591.4	520.6	489.3	470.6	451.8	449.8
67.5°	18867.1	16262.2	4287.3	1059.9	764.2	551.8	472.7	441.4	424.8	412.3	410.2
70°	17909.3	14829.7	2432.0	1141.1	824.6	510.1	418.5	397.7	381.0	372.7	370.6
72.5°	15314.8	12555.9	1626.2	1007.8	751.7	456.0	368.6	351.9	339.4	329.0	326.9
75°	12405.9	9957.2	1243.1	826.6	585.1	370.6	316.5	304.0	291.5	281.1	279.0
77.5°	7339.9	5753.2	916.2	653.8	412.3	289.4	262.4	252.0	239.5	231.1	229.0
80°	2342.5	1998.9	580.9	449.8	272.8	222.8	202.0	193.6	181.2	170.7	168.7
82.5°	893.3	772.5	308.2	229.0	181.2	152.0	135.3	127.0	118.7	108.3	106.2
85°	395.6	370.6	170.7	122.9	97.9	75.0	66.6	62.5	52.1	43.7	41.6
87.5°	139.5	139.5	72.9	35.4	20.8	10.4	6.2	2.1	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)