

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: P639821

Luminaire Tested: GWS-SA5C-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21355.6 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

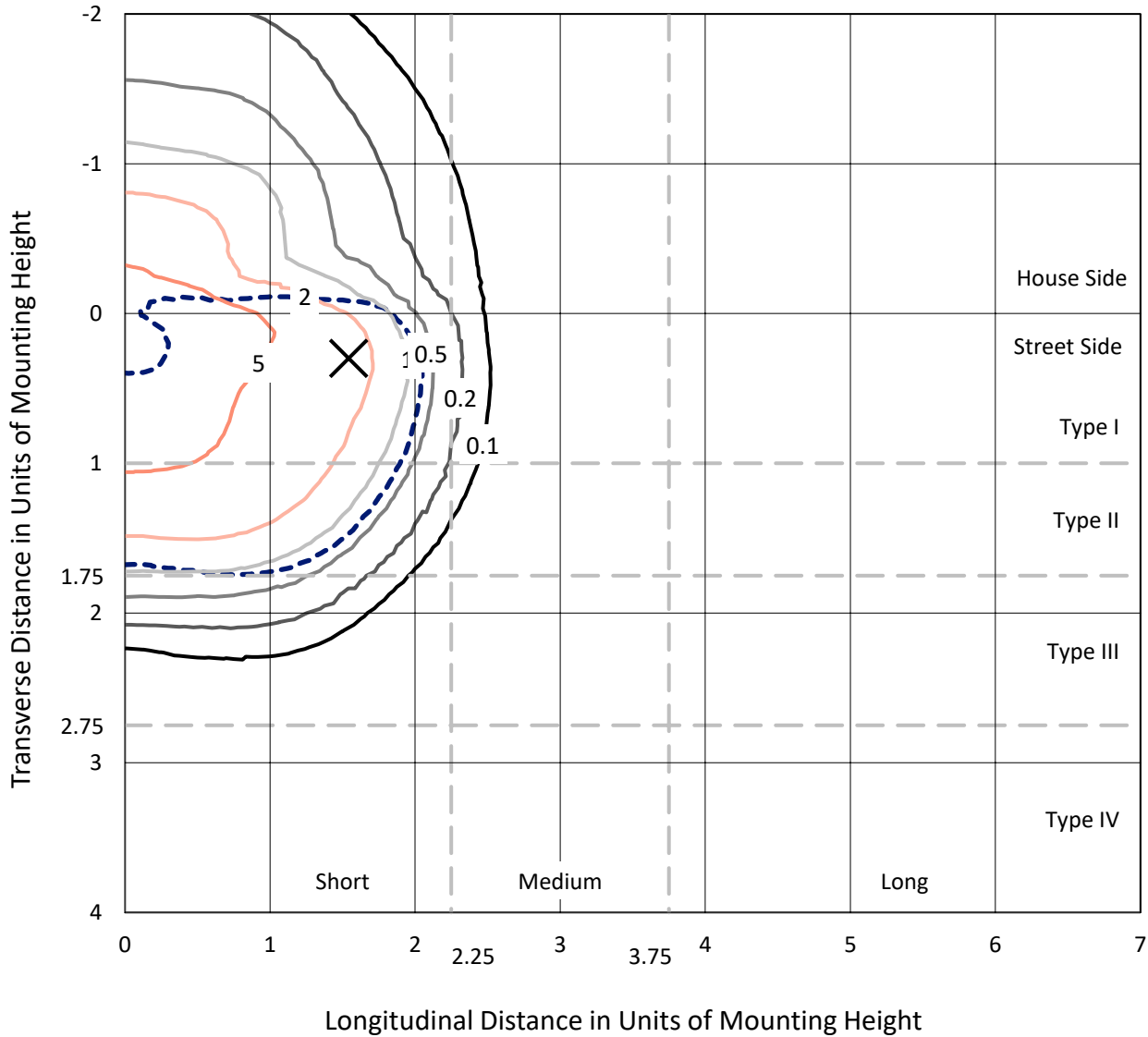
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

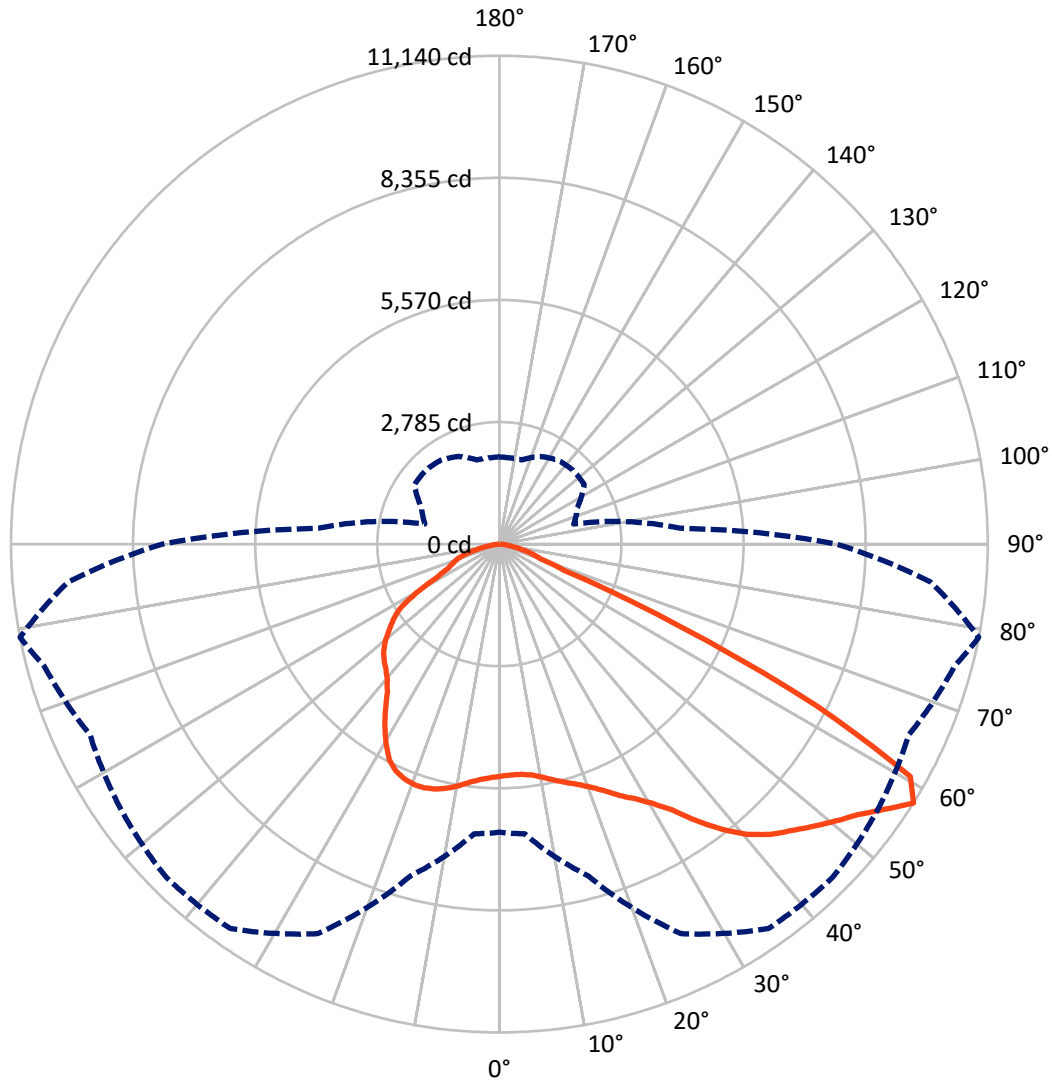
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6348.0	0.0	6348.0
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	15007.6	0.0	15007.6
	% Fixture	70.3	0.0	70.3
Total	Lumens	21355.6	0.0	21355.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.1	2.3
10°-20°	1362.0	6.4
20°-30°	2308.7	10.8
30°-40°	3533.8	16.5
40°-50°	4712.0	22.1
50°-60°	5442.0	25.5
60°-70°	2827.9	13.2
70°-80°	601.1	2.8
80°-90°	77.8	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°	21355.6	100.0
0°-180°	21355.6	100.0

Coefficient of Utilization



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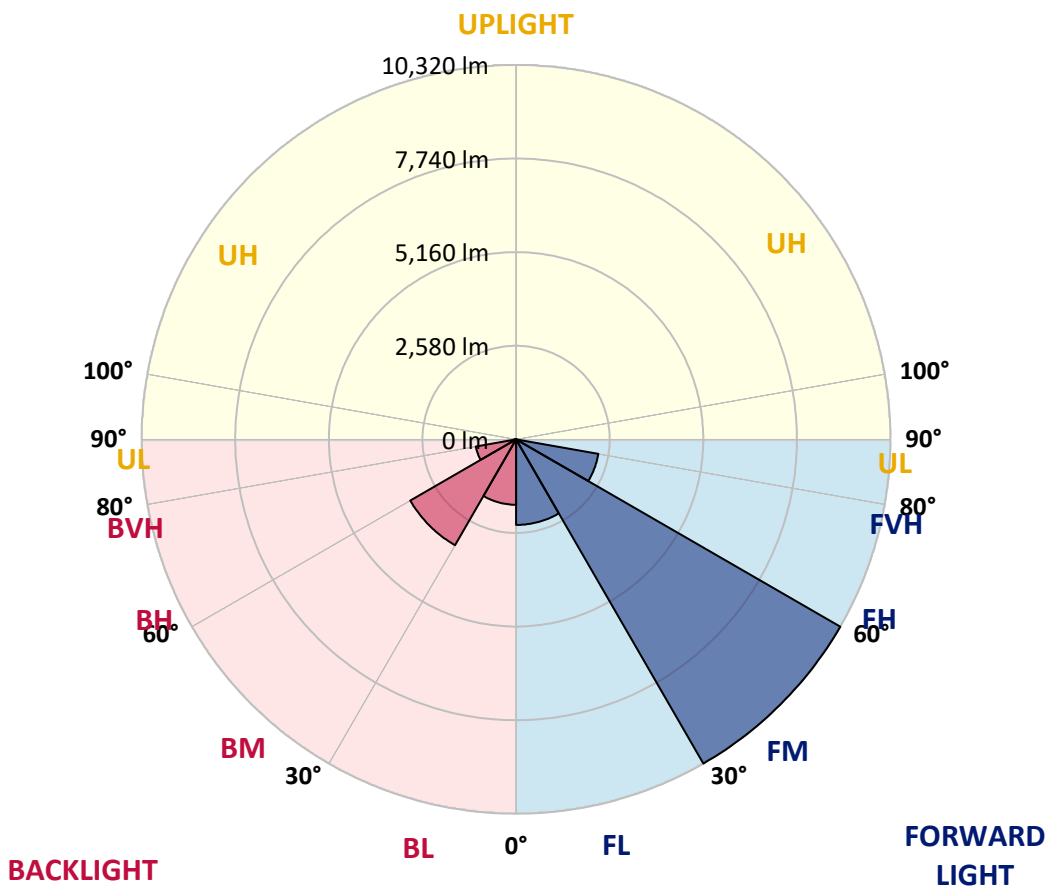
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2358.1	11.0			
FM (30°-60°)	10319.6	48.3			
FH (60°-80°)	2302.7	10.8			G2/5000
FVH (80°-90°)	27.1	0.1			G1/100
BL (0°-30°)	1802.8	8.4	B3/2500		
BM (30°-60°)	3368.2	15.8	B3/5000		
BH (60°-80°)	1126.3	5.3	B3/2500		G3/2500
BVH (80°-90°)	50.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4
2.5°	5051.5	5041.0	5044.5	5058.4	5110.8	5149.2	5189.4	5226.1	5261.0	5271.5	5280.2
5°	4871.6	4852.4	4857.6	4880.3	4941.4	5006.1	5077.6	5164.9	5248.8	5276.7	5313.4
7.5°	4744.1	4740.6	4749.4	4784.3	4848.9	4910.0	5002.6	5126.5	5271.5	5318.6	5383.2
10°	4574.8	4567.8	4602.7	4674.3	4780.8	4878.6	4988.6	5135.3	5337.8	5407.7	5507.2
12.5°	4440.3	4436.8	4473.5	4573.0	4709.2	4864.6	5016.5	5180.7	5426.9	5522.9	5645.1
15°	4518.9	4503.2	4504.9	4574.8	4697.0	4880.3	5086.4	5262.7	5515.9	5638.1	5795.3
17.5°	4747.6	4719.7	4698.7	4711.0	4780.8	4971.1	5192.9	5372.7	5618.9	5762.1	5954.2
20°	5063.7	5048.0	4990.3	4951.9	4967.6	5135.3	5360.5	5528.1	5753.4	5914.0	6120.1
22.5°	5488.0	5449.6	5371.0	5309.9	5262.7	5393.7	5601.5	5746.4	5940.2	6107.8	6322.6
25°	6013.5	5957.7	5833.7	5737.7	5636.4	5770.8	5955.9	6065.9	6196.9	6352.3	6556.6
27.5°	6549.6	6502.5	6364.5	6235.3	6109.6	6193.4	6413.4	6476.3	6462.3	6575.8	6750.4
30°	7120.6	7061.2	6930.2	6790.6	6628.2	6682.3	6879.6	6911.0	6762.6	6856.9	6975.6
32.5°	7723.0	7665.4	7551.9	7389.5	7206.1	7227.1	7281.2	7310.9	7169.5	7223.6	7314.4
35°	8335.9	8281.7	8166.5	8005.8	7871.4	7743.9	7607.7	7726.5	7644.4	7749.2	7742.2
37.5°	8896.3	8842.2	8770.6	8646.7	8416.2	8164.7	7850.4	7997.1	8124.6	8257.3	8234.6
40°	9275.3	9238.6	9256.0	9236.8	8940.0	8442.4	7969.2	8129.8	8477.3	8704.3	8692.1
42.5°	9601.8	9565.1	9666.4	9739.7	9390.5	8699.0	8026.8	8180.5	8702.5	9057.0	9039.5
45°	9746.7	9736.2	9903.8	10136.1	9802.6	8971.4	8175.2	8285.2	8873.7	9327.6	9261.3
47.5°	9573.8	9610.5	9940.5	10333.4	10144.8	9294.5	8479.0	8507.0	9097.2	9621.0	9434.1
50°	9229.9	9310.2	9755.4	10338.6	10394.5	9659.4	8899.8	8830.0	9397.5	9933.5	9524.9
52.5°	8728.7	8812.5	9538.9	10298.5	10537.7	10081.9	9460.3	9360.8	9776.4	10246.1	9540.7
55°	7578.0	7691.5	9043.0	10207.7	10677.4	10466.1	10092.4	9889.9	10265.3	10675.6	9696.1
57.5°	6574.0	6633.4	7834.7	9804.3	10705.3	10749.0	10542.9	10302.0	10750.7	11140.1	9870.7
60°	4824.5	4838.4	5919.3	8112.4	9848.0	10584.8	10506.2	10148.3	10520.2	10768.2	9071.0
62.5°	2725.7	2727.4	3590.0	5414.6	7356.3	8627.5	8676.3	8360.3	8047.7	8121.1	6313.9
65°	1023.2	1119.2	1639.6	2661.0	4241.3	5093.4	5295.9	5369.2	4848.9	4525.9	3385.7
67.5°	684.5	707.2	956.9	1368.9	1887.5	2179.1	2437.5	2444.5	1788.0	1594.2	1334.0
70°	522.1	544.8	752.6	979.6	956.9	883.5	955.1	928.9	960.4	986.5	1014.5
72.5°	389.4	412.1	583.2	691.5	574.5	565.7	640.8	712.4	778.8	806.7	850.3
75°	258.4	275.9	392.9	370.2	317.8	375.4	468.0	539.5	578.0	611.1	644.3
77.5°	164.1	176.4	209.5	169.4	176.4	220.0	272.4	337.0	373.7	406.8	424.3
80°	75.1	73.3	71.6	80.3	99.5	129.2	164.1	202.5	230.5	244.5	254.9
82.5°	29.7	33.2	36.7	43.7	54.1	69.8	92.5	118.7	141.4	144.9	153.7
85°	12.2	14.0	15.7	19.2	24.4	31.4	38.4	54.1	68.1	73.3	78.6
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	5.2	8.7	15.7	17.5	19.2
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°	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4	5292.4
2.5°	5327.3	5304.6	5343.0	5369.2	5393.7	5367.5	5358.8	5336.1	5332.6	5332.6	5344.8
5°	5376.2	5360.5	5400.7	5416.4	5414.6	5357.0	5322.1	5276.7	5254.0	5254.0	5257.5
7.5°	5463.5	5454.8	5477.5	5453.1	5397.2	5280.2	5164.9	5068.9	5004.3	4971.1	4981.6
10°	5608.5	5598.0	5578.8	5488.0	5327.3	5084.6	4848.9	4674.3	4569.5	4510.2	4513.7
12.5°	5749.9	5732.4	5664.3	5463.5	5133.5	4747.6	4438.6	4243.0	4127.8	4057.9	4042.2
15°	5905.3	5859.9	5713.2	5337.8	4817.5	4335.6	4012.5	3801.2	3677.3	3635.4	3633.6
17.5°	6053.7	5973.4	5708.0	5114.3	4438.6	3904.3	3579.5	3448.5	3427.6	3446.8	3452.0
20°	6203.9	6074.7	5650.4	4805.3	3988.1	3474.7	3307.1	3361.2	3439.8	3492.2	3504.4
22.5°	6359.3	6158.5	5519.4	4407.1	3513.1	3184.9	3254.7	3373.5	3471.2	3541.1	3548.1
25°	6533.9	6237.0	5323.8	3920.0	3132.5	3104.6	3242.5	3368.2	3473.0	3553.3	3567.3
27.5°	6633.4	6238.8	5049.7	3418.9	2957.9	3073.1	3212.8	3331.5	3436.3	3523.6	3539.3
30°	6731.2	6191.6	4614.9	3012.0	2907.2	3036.5	3162.2	3272.2	3371.7	3457.3	3476.5
32.5°	6869.1	6148.0	4113.8	2778.0	2877.6	3001.5	3104.6	3202.3	3279.2	3317.6	3328.1
35°	7040.3	6092.1	3581.2	2676.8	2858.4	2973.6	3064.4	3116.8	3017.3	2996.3	3019.0
37.5°	7279.5	6039.7	3050.4	2633.1	2846.1	2963.1	3043.4	2909.0	2786.8	2737.9	2755.3
40°	7537.9	6010.1	2690.7	2598.2	2851.4	2973.6	2956.1	2757.1	2580.7	2477.7	2474.2
42.5°	7757.9	5964.7	2460.2	2575.5	2865.3	3013.8	2837.4	2622.6	2360.7	2299.6	2301.4
45°	7906.3	5849.4	2338.0	2551.0	2877.6	3022.5	2781.5	2437.5	2250.7	2212.3	2210.6
47.5°	7967.4	5639.9	2259.4	2512.6	2875.8	2950.9	2668.0	2360.7	2173.9	2163.4	2170.4
50°	7927.3	5295.9	2179.1	2437.5	2833.9	2875.8	2537.1	2292.6	2121.5	2179.1	2221.0
52.5°	7778.8	4850.6	2083.1	2334.5	2758.8	2790.3	2470.7	2250.7	2083.1	2159.9	2193.1
55°	7740.4	4489.2	1960.9	2200.1	2647.1	2638.3	2400.9	2229.8	2056.9	2027.2	2032.5
57.5°	7689.8	4136.5	1758.3	1959.1	2364.2	2378.2	2334.5	2205.3	1988.8	1980.1	1988.8
60°	6680.6	3170.9	1568.0	1690.2	1941.7	2016.7	2259.4	2159.9	1878.8	1842.1	1840.4
62.5°	4363.5	1920.7	1395.1	1473.7	1582.0	1669.3	2060.4	2029.0	1758.3	1735.6	1751.3
65°	2346.8	1368.9	1269.4	1316.6	1375.9	1442.3	1707.7	1807.2	1588.9	1508.6	1510.4
67.5°	1199.6	1164.6	1175.1	1208.3	1253.7	1286.9	1377.7	1465.0	1355.0	1286.9	1285.1
70°	1026.7	1054.6	1070.4	1089.6	1119.2	1114.0	1122.7	1138.5	1129.7	1096.5	1094.8
72.5°	874.8	918.4	921.9	925.4	935.9	911.5	895.7	869.6	871.3	876.5	878.3
75°	665.3	707.2	717.6	712.4	722.9	691.5	670.5	644.3	612.9	607.6	611.1
77.5°	433.0	466.2	481.9	478.4	483.7	459.2	448.7	420.8	384.1	370.2	370.2
80°	261.9	281.1	293.3	296.8	302.1	284.6	267.2	242.7	227.0	211.3	211.3
82.5°	158.9	171.1	179.8	179.8	185.1	165.9	151.9	134.4	127.5	113.5	113.5
85°	80.3	89.1	92.5	90.8	87.3	71.6	66.4	57.6	54.1	47.1	47.1
87.5°	19.2	24.4	24.4	17.5	17.5	8.7	5.2	1.7	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)