

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: P643015

Luminaire Tested: GWS-SA6E-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31849.4 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

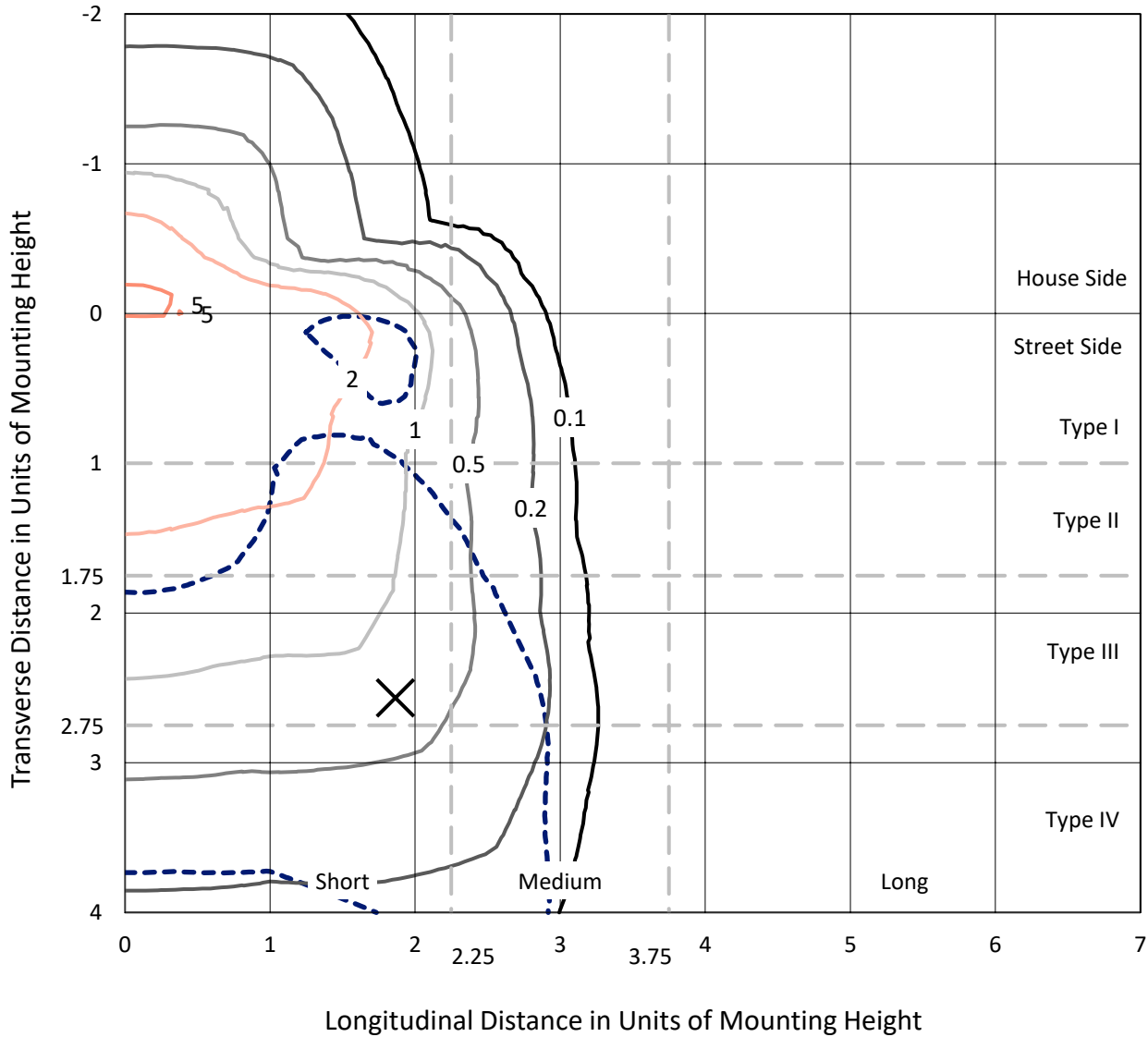
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

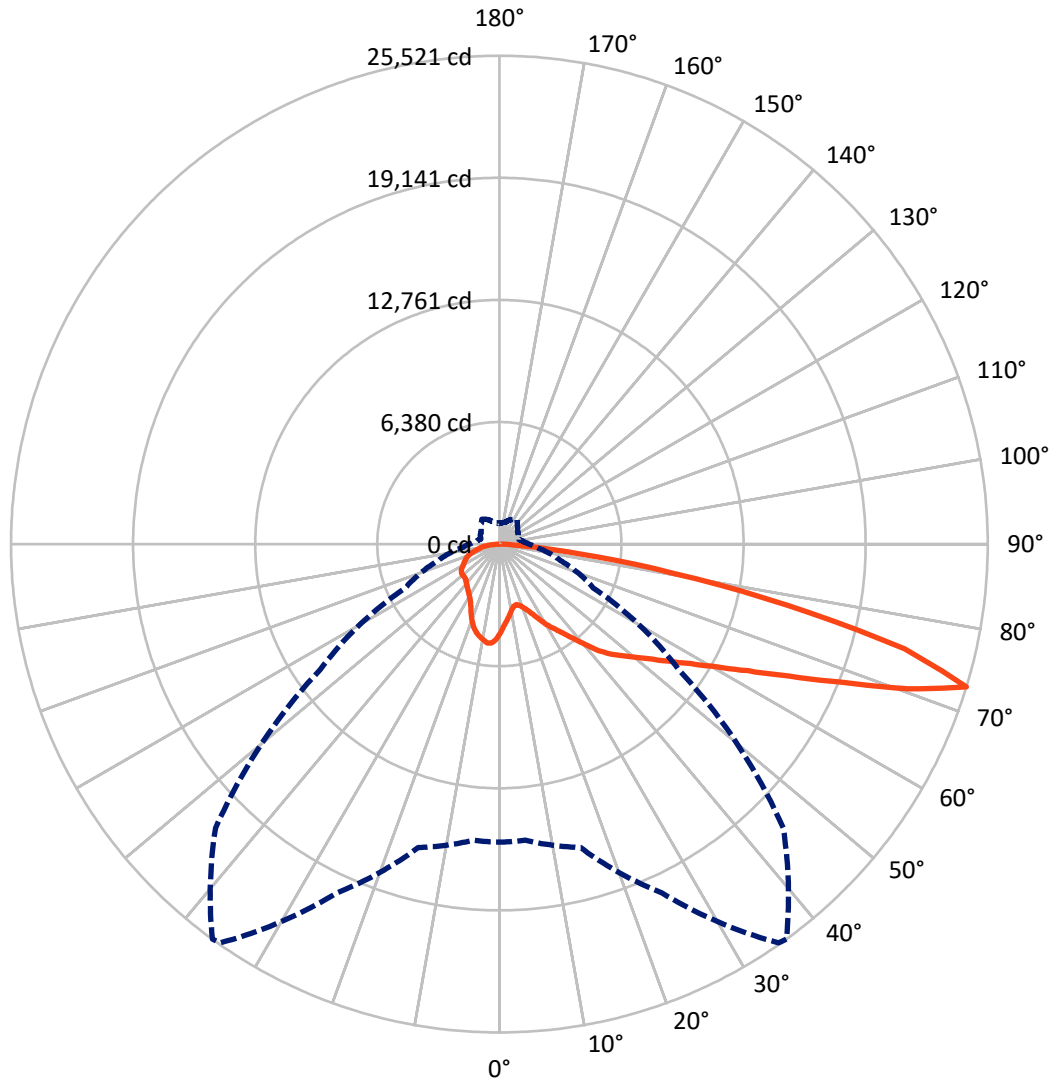
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7342.7	0.0	7342.7
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	24506.7	0.0	24506.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	31849.4	0.0	31849.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.7	1.4
10°-20°	1229.3	3.9
20°-30°	2035.9	6.4
30°-40°	3048.9	9.6
40°-50°	4448.1	14.0
50°-60°	6331.0	19.9
60°-70°	7998.7	25.1
70°-80°	5699.7	17.9
80°-90°	622.2	2.0
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°	31849.4	100.0
0°-180°	31849.4	100.0

Coefficient of Utilization



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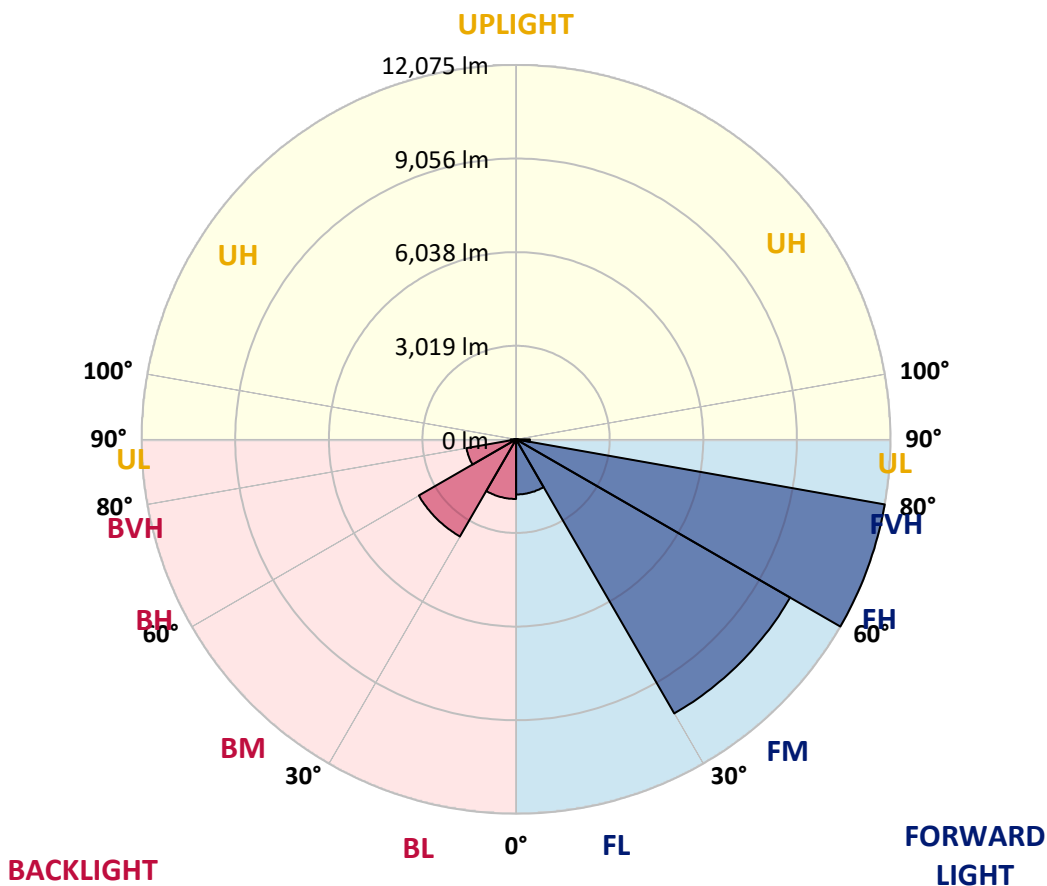
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1778.1	5.6			
FM (30°-60°)	10206.9	32.0			
FH (60°-80°)	12075.1	37.9			G5
FVH (80°-90°)	446.6	1.4			G3/500
BL (0°-30°)	1922.8	6.0	B3/2500		
BM (30°-60°)	3621.0	11.4	B3/5000		
BH (60°-80°)	1623.3	5.1	B3/2500		G3/2500
BVH (80°-90°)	175.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3
2.5°	4252.4	4245.3	4231.1	4273.6	4316.2	4311.5	4370.6	4427.3	4488.7	4552.6	4637.7
5°	3912.0	3907.3	3895.4	3959.3	4023.1	4020.7	4117.6	4209.8	4335.1	4472.2	4642.4
7.5°	3571.6	3559.8	3576.3	3656.7	3746.5	3756.0	3888.4	4039.6	4221.6	4427.3	4668.4
10°	3271.4	3269.1	3276.1	3366.0	3500.7	3510.2	3680.3	3890.7	4131.8	4406.0	4727.5
12.5°	3193.4	3188.7	3169.8	3214.7	3316.3	3330.5	3517.3	3774.9	4070.4	4417.8	4807.9
15°	3321.1	3309.2	3243.1	3221.8	3271.4	3283.2	3441.6	3706.3	4034.9	4439.1	4909.5
17.5°	3540.9	3533.8	3408.5	3321.1	3354.2	3363.6	3481.8	3694.5	4025.5	4481.7	5034.8
20°	3862.4	3831.6	3635.4	3503.1	3503.1	3517.3	3588.2	3746.5	4037.3	4533.7	5176.6
22.5°	4287.8	4226.4	3949.8	3770.2	3722.9	3741.8	3772.5	3876.5	4086.9	4621.1	5353.9
25°	4765.3	4708.6	4380.0	4127.1	4060.9	4068.0	4042.0	4060.9	4195.6	4741.7	5573.7
27.5°	5273.5	5235.7	4885.9	4564.4	4460.4	4460.4	4368.2	4323.3	4346.9	4878.8	5819.5
30°	5727.4	5675.3	5379.9	5027.7	4890.6	4890.6	4715.7	4618.8	4562.0	5046.6	6148.1
32.5°	5966.1	5935.4	5739.2	5469.7	5301.9	5275.9	5124.6	5011.1	4878.8	5294.8	6592.5
35°	6278.1	6271.0	6152.8	5942.5	5729.7	5691.9	5587.9	5498.1	5268.8	5604.4	7183.4
37.5°	6670.5	6658.7	6639.8	6514.5	6259.2	6252.1	6159.9	6051.2	5753.4	6051.2	7899.6
40°	7110.1	7088.9	7065.2	7062.9	6909.2	6883.2	6876.1	6753.2	6337.2	6590.1	8646.6
42.5°	7715.3	7642.0	7419.8	7519.1	7632.5	7608.9	7698.7	7514.3	7065.2	7230.7	9353.3
45°	8459.8	8280.2	7840.5	7868.9	8154.9	8202.2	8514.2	8469.3	7866.5	7970.5	10097.9
47.5°	8906.6	8750.6	8341.7	8318.0	8674.9	8734.0	9412.4	9497.5	8729.3	8861.7	11017.4
50°	9273.0	9164.2	8828.6	8861.7	9239.9	9299.0	10303.6	10485.6	9542.4	9774.1	12085.8
52.5°	9715.0	9559.0	9299.0	9455.0	9918.3	9989.2	11294.0	11490.2	10275.2	10776.3	13192.1
55°	9963.2	9899.4	9904.1	10142.8	10724.3	10821.2	12331.7	12298.6	10946.5	11634.3	14024.1
57.5°	10535.2	10511.6	10729.0	10818.9	11665.1	11790.4	13369.3	13085.7	11556.3	12298.6	14423.6
60°	11544.5	11485.4	11674.5	11811.6	12828.0	13005.3	14527.6	13856.3	11970.0	12792.6	14288.8
62.5°	12962.8	12889.5	12896.6	13114.0	14385.7	14572.5	15815.8	14499.2	12097.6	12868.2	13435.5
65°	14726.1	14619.8	14499.2	14794.7	16454.0	16610.0	17217.5	14967.2	11792.7	12140.2	11653.3
67.5°	16586.4	16498.9	16357.1	16976.4	19132.1	19226.7	18789.4	14927.0	10825.9	10192.5	8173.8
70°	16695.1	16716.4	17387.7	19628.5	22628.1	22651.8	20276.2	14118.6	8767.1	6606.7	4072.7
72.5°	15574.7	15539.3	16413.8	20113.1	25441.0	25521.3	20978.2	11438.2	5417.7	3295.1	1909.9
75°	12650.8	12712.2	13631.7	17598.1	21805.5	21876.4	17101.7	6743.8	2574.1	1612.1	1222.1
77.5°	5446.1	5788.8	7601.8	12397.8	15617.3	15397.4	8814.4	2732.5	1373.3	1148.8	936.0
80°	1571.9	1706.6	2708.9	5895.2	9358.1	9192.6	3488.9	1023.5	957.3	862.8	671.3
82.5°	508.2	562.6	992.8	2347.2	4193.3	4188.6	1323.7	605.1	626.4	586.2	432.6
85°	141.8	163.1	304.9	711.5	1297.7	1271.7	382.9	286.0	333.3	338.0	215.1
87.5°	0.0	0.0	2.4	4.7	4.7	4.7	9.5	42.5	96.9	122.9	87.5
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°	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3	4661.3
2.5°	4689.7	4682.6	4779.5	4855.1	4926.0	4973.3	4987.5	4997.0	5015.9	5025.3	5015.9
5°	4722.8	4758.2	4919.0	5037.1	5131.7	5188.4	5190.8	5186.1	5200.2	5188.4	5181.3
7.5°	4793.7	4862.2	5065.5	5190.8	5252.2	5254.6	5197.9	5131.7	5098.6	5070.2	5060.8
10°	4888.2	4989.9	5212.1	5294.8	5275.9	5188.4	5063.1	4959.1	4900.0	4857.5	4848.0
12.5°	5018.2	5131.7	5342.1	5339.7	5221.5	5065.5	4919.0	4793.7	4708.6	4658.9	4642.4
15°	5141.1	5285.3	5436.6	5325.5	5138.8	4949.7	4760.6	4592.8	4479.3	4401.3	4387.1
17.5°	5292.4	5446.1	5505.2	5280.6	5034.8	4791.3	4538.4	4318.6	4164.9	4072.7	4065.6
20°	5467.3	5604.4	5538.3	5202.6	4900.0	4580.9	4238.2	3992.4	3826.9	3737.1	3744.2
22.5°	5670.6	5769.9	5547.7	5096.2	4713.3	4283.1	3900.2	3663.8	3552.7	3505.4	3507.8
25°	5888.1	5951.9	5531.2	4952.0	4427.3	3919.1	3552.7	3444.0	3434.5	3422.7	3427.4
27.5°	6145.7	6131.6	5481.5	4748.8	4042.0	3496.0	3309.2	3337.6	3375.4	3370.7	3375.4
30°	6490.8	6356.1	5417.7	4467.5	3583.4	3141.4	3165.1	3245.4	3295.1	3299.8	3314.0
32.5°	6885.6	6604.3	5316.1	4084.5	3146.1	2942.9	3030.3	3127.2	3186.3	3198.1	3217.1
35°	7356.0	6887.9	5136.4	3607.1	2831.8	2824.7	2905.0	2971.2	3035.0	3039.8	3039.8
37.5°	7897.3	7171.6	4850.4	3080.0	2637.9	2723.0	2798.7	2812.9	2829.4	2815.2	2822.3
40°	8393.7	7445.8	4443.8	2600.1	2479.6	2633.2	2697.0	2649.8	2597.8	2562.3	2569.4
42.5°	8809.7	7632.5	3904.9	2264.5	2318.8	2552.8	2602.5	2505.6	2403.9	2337.7	2347.2
45°	9277.7	7805.1	3271.4	2037.5	2181.7	2496.1	2529.2	2403.9	2273.9	2174.6	2160.5
47.5°	9923.0	8157.3	2708.9	1879.2	2084.8	2465.4	2519.8	2349.6	2179.4	2030.5	2013.9
50°	10719.6	8656.0	2238.5	1775.2	2039.9	2448.8	2517.4	2290.5	2087.2	1912.3	1900.4
52.5°	11589.4	9143.0	1891.0	1694.8	1995.0	2399.2	2505.6	2224.3	1990.3	1801.2	1787.0
55°	12168.6	9334.4	1657.0	1619.2	1921.7	2321.2	2458.3	2160.5	1843.7	1671.2	1649.9
57.5°	12338.7	9088.6	1493.9	1550.6	1827.2	2212.5	2368.5	2025.7	1753.9	1616.8	1600.3
60°	12045.6	8469.3	1392.2	1493.9	1723.2	2073.0	2212.5	1947.7	1683.0	1560.1	1548.3
62.5°	11218.3	7514.3	1314.2	1434.8	1616.8	1926.5	2113.2	1853.2	1605.0	1508.1	1491.5
65°	9554.3	6162.3	1250.4	1373.3	1515.2	1787.0	2004.5	1758.6	1519.9	1446.6	1427.7
67.5°	6682.3	4328.0	1181.9	1300.1	1413.5	1652.3	1891.0	1671.2	1432.4	1378.1	1359.2
70°	3266.7	2295.2	1099.1	1215.0	1304.8	1515.2	1777.5	1564.8	1316.6	1285.9	1259.9
72.5°	1555.3	1283.5	1002.2	1099.1	1155.9	1333.2	1588.4	1411.2	1179.5	1113.3	1068.4
75°	1042.4	912.4	874.6	962.0	976.2	1118.1	1361.5	1217.3	1040.0	964.4	926.6
77.5°	789.5	697.3	735.1	813.1	784.8	919.5	1120.4	1085.0	938.4	869.9	850.9
80°	555.5	508.2	583.8	631.1	609.8	782.4	1009.3	929.0	772.9	697.3	683.1
82.5°	349.8	340.4	430.2	437.3	444.4	619.3	829.7	730.4	600.4	494.0	458.6
85°	174.9	193.8	257.6	257.6	255.3	319.1	472.7	411.3	323.8	257.6	250.6
87.5°	59.1	82.7	111.1	89.8	68.5	54.4	61.5	75.6	80.4	78.0	78.0
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)