

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: P641689

Luminaire Tested: GWS-SA6B-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20896.6 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

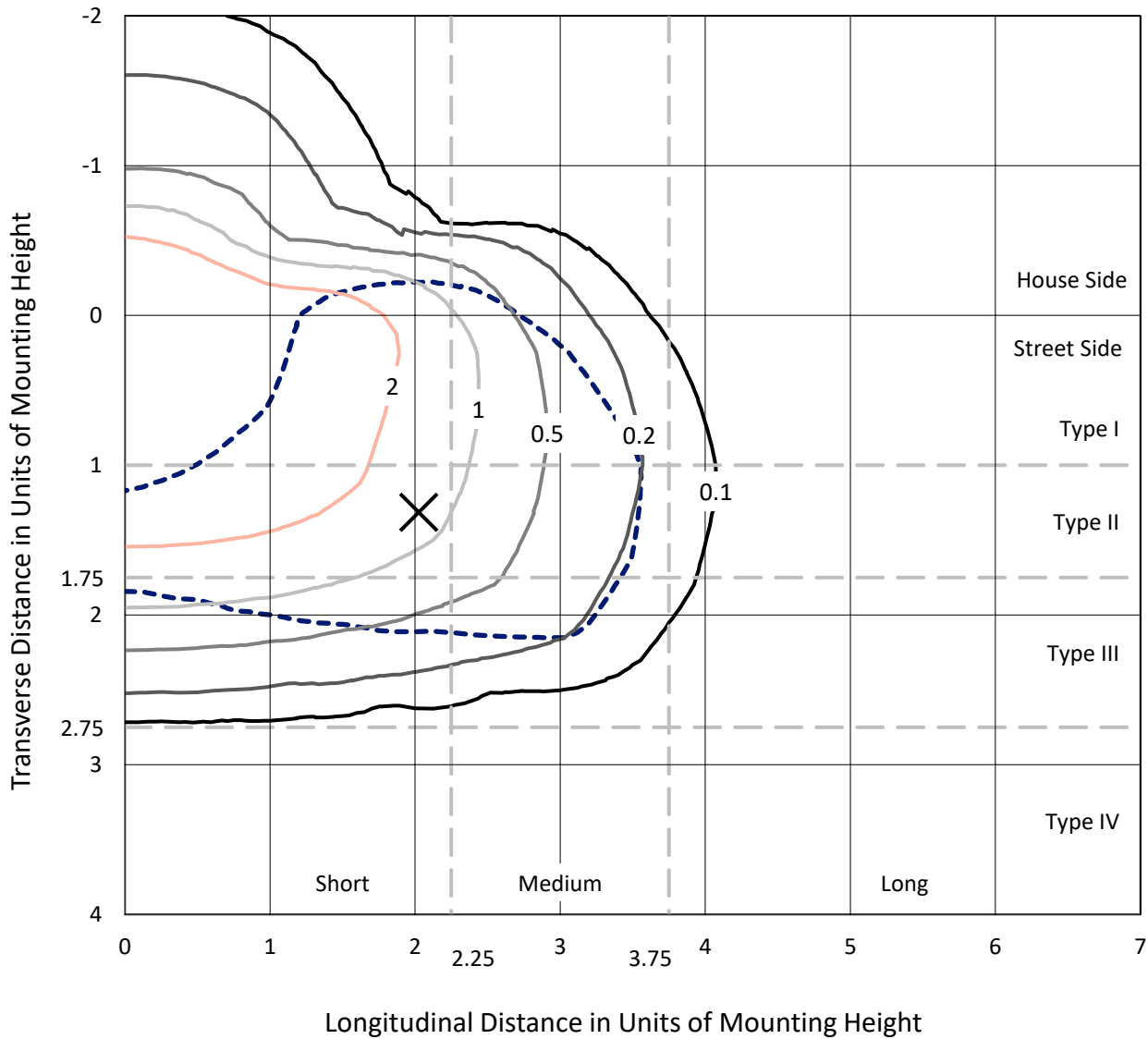
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

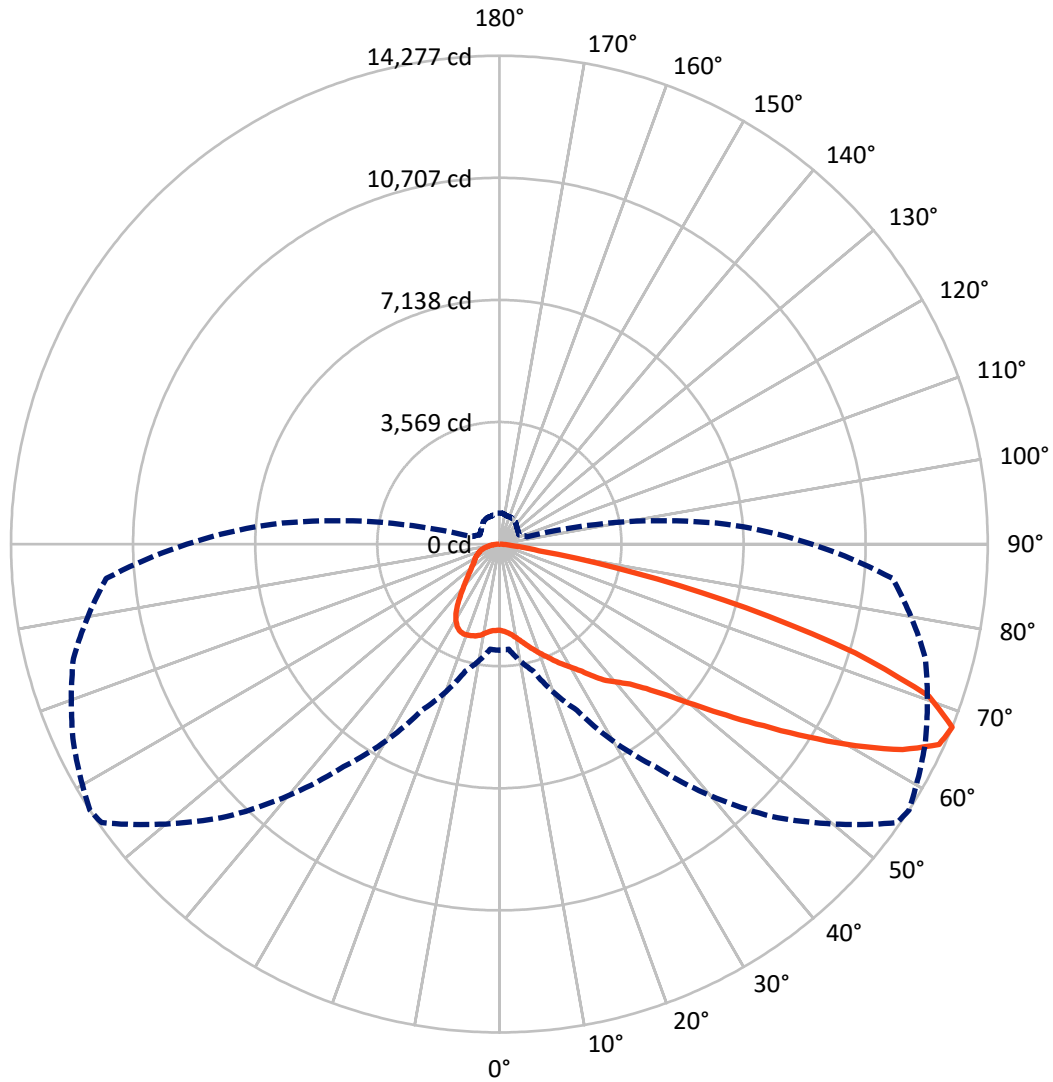
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4594.4	0.0	4594.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	16302.2	0.0	16302.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	20896.6	0.0	20896.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.7	1.2
10°-20°	826.7	4.0
20°-30°	1473.9	7.1
30°-40°	2142.8	10.3
40°-50°	3101.4	14.8
50°-60°	4853.5	23.2
60°-70°	5662.0	27.1
70°-80°	2363.5	11.3
80°-90°	223.0	1.1
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°	20896.6	100.0
0°-180°	20896.6	100.0

Coefficient of Utilization



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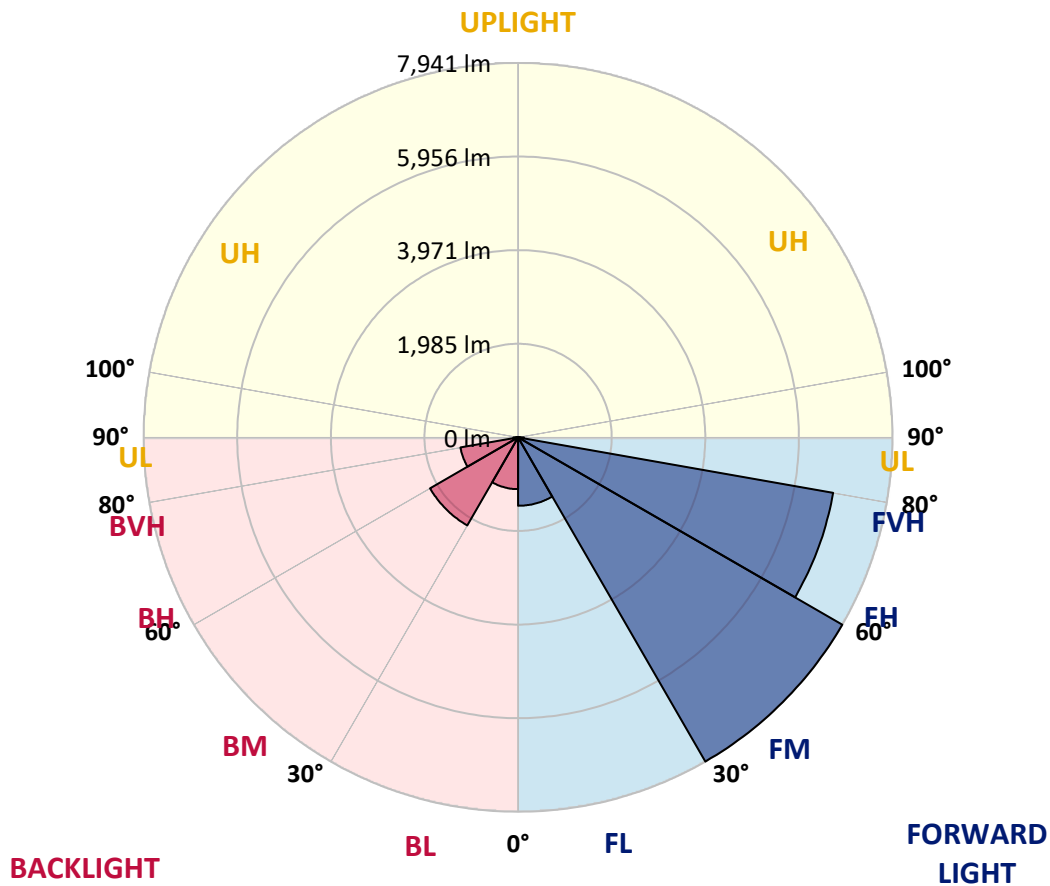
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1451.5	6.9			
FM (30°-60°)	7941.0	38.0			
FH (60°-80°)	6785.5	32.5			G3/7500
FVH (80°-90°)	124.3	0.6			G2/225
BL (0°-30°)	1098.8	5.3	B3/2500		
BM (30°-60°)	2156.7	10.3	B2/2500		
BH (60°-80°)	1240.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	98.8	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9
2.5°	2553.8	2550.8	2549.3	2558.3	2555.3	2553.8	2553.8	2552.3	2549.3	2537.4	2520.9
5°	2624.2	2618.2	2612.2	2619.7	2613.7	2607.7	2606.2	2603.2	2592.7	2574.8	2549.3
7.5°	2697.5	2691.5	2693.0	2697.5	2693.0	2690.0	2685.6	2682.6	2666.1	2637.7	2603.2
10°	2800.8	2800.8	2803.8	2808.3	2809.8	2805.3	2796.3	2791.8	2772.4	2736.5	2688.6
12.5°	2950.5	2947.5	2947.5	2944.5	2949.0	2944.5	2935.6	2928.1	2904.1	2857.7	2788.8
15°	3148.1	3136.1	3125.7	3106.2	3100.2	3083.8	3086.7	3082.3	3059.8	2996.9	2910.1
17.5°	3359.2	3357.7	3341.2	3302.3	3263.4	3236.4	3242.4	3240.9	3229.0	3143.6	3032.9
20°	3544.8	3552.3	3537.3	3507.4	3455.0	3404.1	3401.1	3408.6	3393.6	3308.3	3154.1
22.5°	3752.9	3746.9	3731.9	3693.0	3654.1	3600.2	3582.2	3576.3	3570.3	3473.0	3278.4
25°	3950.5	3968.5	3949.0	3913.1	3853.2	3794.8	3779.8	3785.8	3769.4	3640.6	3411.6
27.5°	4200.5	4208.0	4196.0	4146.6	4095.7	4013.4	3984.9	3984.9	3978.9	3797.8	3516.4
30°	4466.9	4487.9	4466.9	4426.5	4374.1	4255.9	4194.5	4188.5	4170.5	3959.5	3639.1
32.5°	4734.9	4749.9	4734.9	4696.0	4636.1	4532.8	4444.5	4431.0	4407.1	4136.1	3764.9
35°	4972.9	4986.4	4983.4	4992.4	4943.0	4812.7	4758.9	4752.9	4690.0	4366.7	3935.5
37.5°	5233.4	5249.9	5227.4	5245.4	5225.9	5103.2	5086.7	5056.8	4966.9	4583.7	4115.2
40°	5529.8	5544.8	5508.8	5516.3	5493.9	5425.0	5341.2	5300.8	5167.5	4818.7	4398.1
42.5°	5847.2	5881.6	5898.0	5884.6	5832.2	5793.3	5646.6	5595.7	5484.9	5242.4	4863.6
45°	6306.7	6357.6	6381.6	6347.1	6324.7	6269.3	6089.7	6028.3	5969.9	5839.7	5513.3
47.5°	6802.2	6848.6	6925.0	6939.9	6957.9	6916.0	6663.0	6603.1	6613.6	6598.6	6312.7
50°	7197.4	7236.3	7408.5	7592.6	7745.3	7757.3	7433.9	7369.6	7426.5	7474.4	7275.3
52.5°	7484.8	7519.3	7746.8	8127.0	8472.8	8728.8	8380.0	8306.7	8353.1	8460.9	8369.5
55°	7718.4	7766.3	8004.3	8588.1	9287.2	9691.4	9468.3	9375.5	9356.0	9489.3	9541.7
57.5°	7841.1	7856.1	8189.9	8948.9	9884.5	10635.9	10733.3	10628.5	10442.8	10516.2	10788.6
60°	7561.2	7586.6	8043.2	9041.7	10356.0	11573.0	12061.1	11974.2	11579.0	11619.5	11920.3
62.5°	6787.2	6823.2	7372.6	8600.1	10394.9	12198.8	13287.1	13231.7	12701.8	12483.2	12573.0
65°	5444.5	5456.4	6025.3	7507.3	9621.0	12276.6	14141.8	14128.4	13486.2	12974.2	12589.5
67.5°	3104.7	3083.8	3844.2	5354.6	7939.9	11264.7	14197.2	14276.6	13740.7	12893.4	11541.6
70°	1345.8	1348.8	1699.1	2642.1	5139.1	9104.6	13186.8	13323.0	13004.1	11547.6	9182.4
72.5°	622.7	631.7	782.9	1143.7	2194.6	5648.1	10752.7	10875.5	10601.5	9242.3	6681.0
75°	440.1	447.6	522.4	655.7	1009.0	2200.5	7192.9	7450.4	7583.6	6913.0	4402.6
77.5°	333.8	344.3	381.7	455.1	622.7	779.9	3441.5	4055.3	4830.7	4300.8	2267.9
80°	212.6	212.6	253.0	303.9	380.2	405.7	994.0	1178.1	2363.7	1772.4	890.7
82.5°	143.7	148.2	172.2	193.1	218.6	230.5	426.6	455.1	682.6	603.3	366.8
85°	76.3	79.3	89.8	88.3	104.8	91.3	179.6	178.1	250.0	273.9	139.2
87.5°	0.0	0.0	1.5	1.5	3.0	4.5	19.5	21.0	52.4	83.8	46.4
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°	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9
2.5°	2529.9	2511.9	2520.9	2517.9	2526.9	2526.9	2510.4	2505.9	2507.4	2489.5	2483.5
5°	2552.3	2531.4	2535.9	2529.9	2538.9	2546.3	2538.9	2538.9	2547.8	2534.4	2526.9
7.5°	2603.2	2579.3	2579.3	2571.8	2582.3	2588.3	2582.3	2591.2	2607.7	2594.2	2586.8
10°	2684.1	2655.6	2657.1	2648.1	2652.6	2649.6	2625.7	2618.2	2622.7	2610.7	2604.7
12.5°	2788.8	2749.9	2749.9	2732.0	2721.5	2690.0	2640.6	2622.7	2625.7	2615.2	2610.7
15°	2889.1	2853.2	2845.7	2809.8	2761.9	2703.5	2658.6	2646.6	2649.6	2639.2	2631.7
17.5°	3007.4	2961.0	2934.1	2868.2	2779.9	2720.0	2675.1	2646.6	2622.7	2598.7	2592.7
20°	3116.7	3058.3	3008.9	2907.1	2799.3	2717.0	2633.2	2562.8	2504.4	2473.0	2465.5
22.5°	3229.0	3154.1	3067.3	2934.1	2797.8	2663.1	2508.9	2402.6	2315.8	2269.4	2278.4
25°	3335.2	3240.9	3122.7	2959.5	2749.9	2543.3	2333.8	2175.1	2076.3	2040.4	2029.9
27.5°	3423.6	3306.8	3173.6	2947.5	2651.1	2371.2	2094.3	1917.6	1821.8	1781.4	1770.9
30°	3522.4	3390.6	3246.9	2892.1	2495.4	2130.2	1823.3	1679.6	1610.7	1571.8	1573.3
32.5°	3636.1	3498.4	3350.2	2785.9	2296.3	1869.7	1600.3	1501.5	1446.1	1407.1	1401.2
35°	3788.8	3652.6	3419.1	2625.7	2043.4	1630.2	1447.6	1366.7	1297.9	1247.0	1236.5
37.5°	3977.4	3884.6	3426.6	2411.6	1772.4	1465.5	1338.3	1251.5	1167.6	1100.3	1092.8
40°	4300.8	4194.5	3365.2	2143.7	1541.9	1359.2	1247.0	1146.7	1049.4	974.5	964.0
42.5°	4761.9	4543.3	3233.4	1841.3	1368.2	1275.4	1160.1	1032.9	934.1	881.7	874.2
45°	5348.7	4932.5	3035.8	1556.8	1239.5	1193.1	1068.8	935.6	883.2	845.8	838.3
47.5°	6067.2	5386.1	2808.3	1335.3	1139.2	1118.2	976.0	902.7	856.3	824.8	817.3
50°	6926.5	5963.9	2621.2	1161.6	1049.4	1031.4	946.1	883.2	845.8	820.3	814.3
52.5°	7907.0	6606.1	2529.9	1037.4	971.5	953.6	935.6	878.7	847.3	827.8	820.3
55°	8924.9	7282.7	2444.5	941.6	905.7	916.1	937.1	893.7	869.7	844.3	836.8
57.5°	9908.4	7917.5	2235.0	866.7	857.8	898.2	944.6	908.7	880.2	854.8	845.8
60°	10586.5	8264.8	1880.2	806.9	821.8	875.7	925.1	886.2	850.3	839.8	835.3
62.5°	10769.2	8222.8	1459.5	745.5	778.4	826.3	874.2	848.8	811.4	827.8	829.3
65°	10342.5	7773.7	1095.8	685.6	721.5	762.0	821.8	811.4	797.9	842.8	844.3
67.5°	9134.5	6670.5	835.3	633.2	663.2	712.6	805.4	848.8	851.8	908.7	902.7
70°	6911.5	4983.4	654.2	583.8	618.2	712.6	857.8	877.2	841.3	893.7	881.7
72.5°	4778.3	3288.8	556.9	540.4	562.9	679.6	856.3	856.3	817.3	817.3	794.9
75°	2968.5	1934.1	485.0	485.0	485.0	594.3	832.3	788.9	720.0	688.6	670.6
77.5°	1465.5	940.1	407.2	422.1	405.7	497.0	679.6	645.2	603.3	570.3	558.4
80°	625.7	470.0	329.3	345.8	326.3	374.2	538.9	531.4	491.0	447.6	434.1
82.5°	287.4	242.5	263.5	271.0	238.0	281.4	393.7	393.7	371.2	311.4	288.9
85°	122.8	128.7	182.6	182.6	149.7	158.7	211.1	200.6	179.6	146.7	134.7
87.5°	41.9	62.9	92.8	80.8	31.4	13.5	7.5	3.0	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)