

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: P641799

Luminaire Tested: GWS-SA6B-750-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641799  
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-750-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21672.5 lumens  
Efficiency: N/A  
Efficacy: 156.0 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

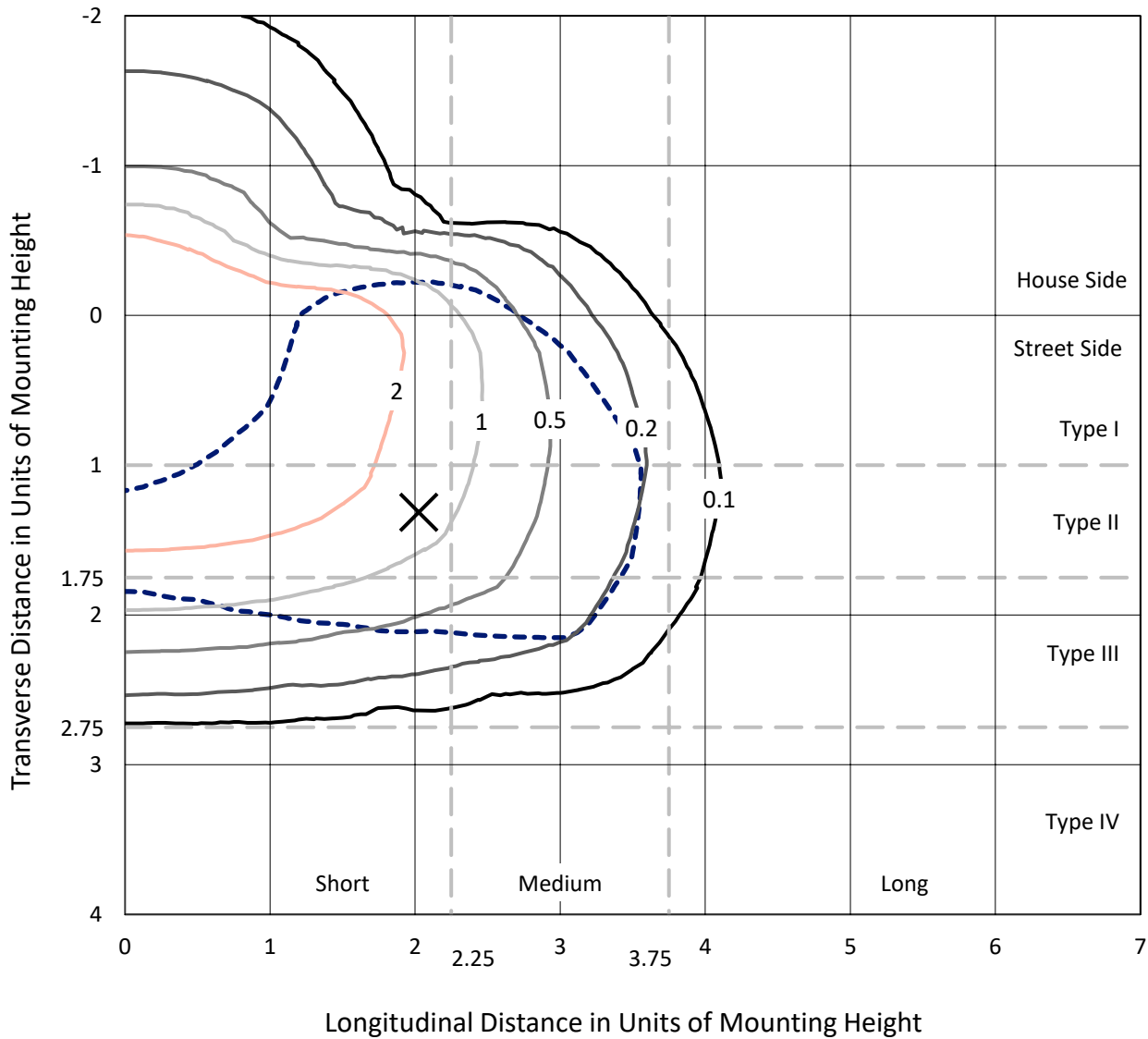


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### Iso-Footcandle Lines of Horizontal Illumination

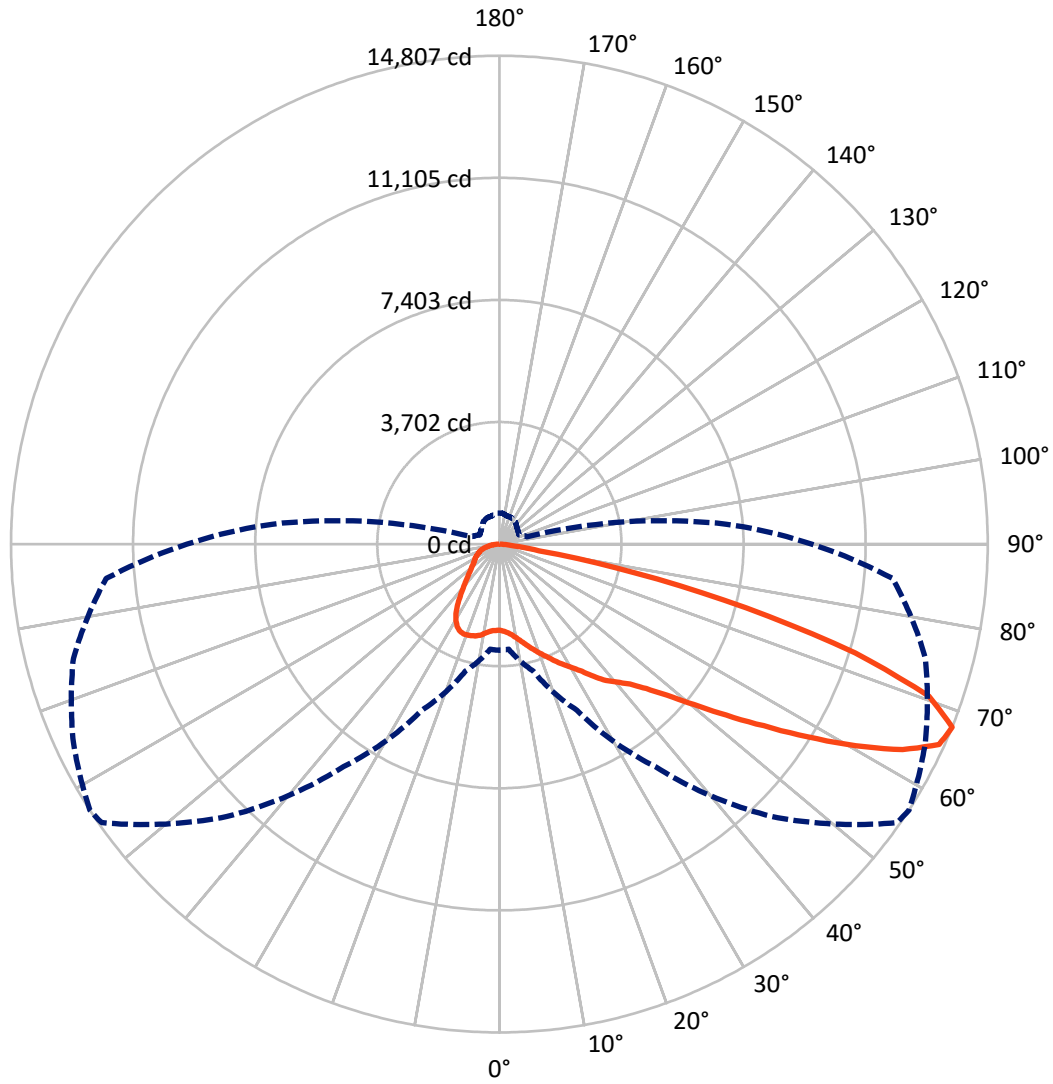
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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
<b>House Side</b>	Lumens	4765.0	0.0	4765.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	16907.5	0.0	16907.5
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	21672.5	0.0	21672.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.0	1.2
10°-20°	857.4	4.0
20°-30°	1528.6	7.1
30°-40°	2222.4	10.3
40°-50°	3216.5	14.8
50°-60°	5033.8	23.2
60°-70°	5872.2	27.1
70°-80°	2451.3	11.3
80°-90°	231.3	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°	21672.5	100.0
0°-180°	21672.5	100.0

**Coefficient of Utilization**



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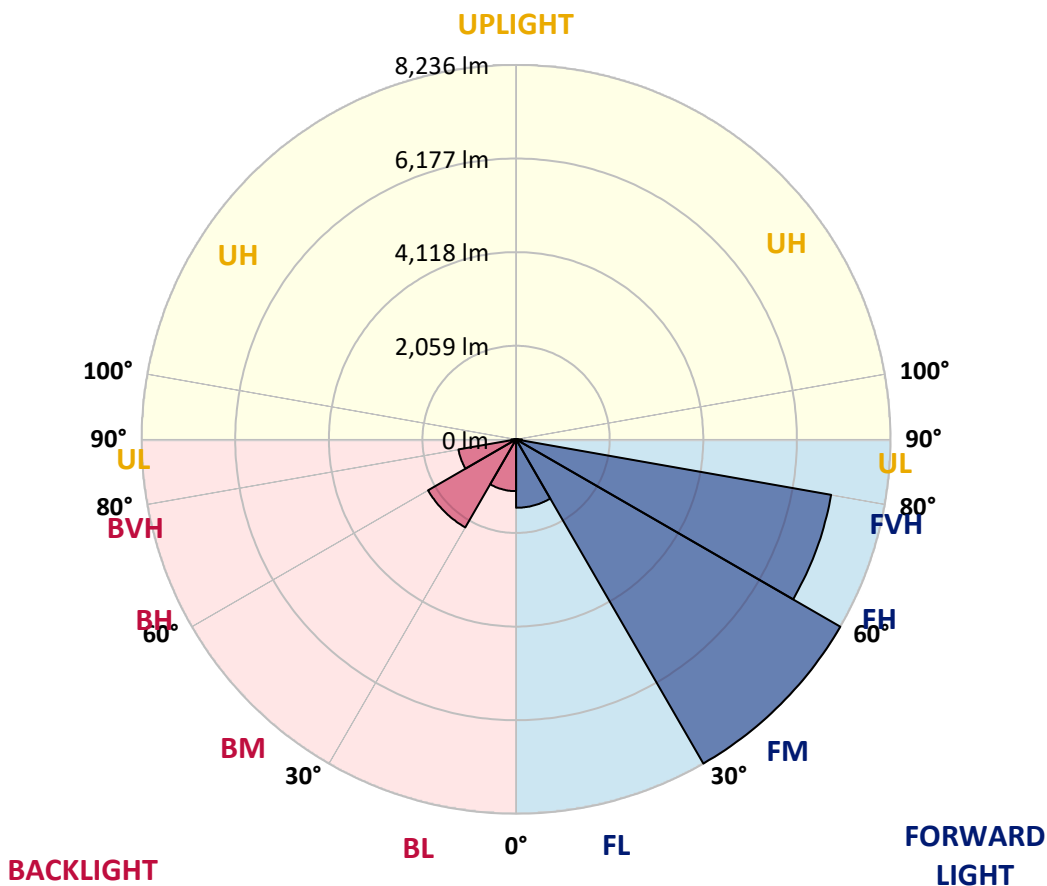
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.4	6.9			
FM (30°-60°)	8235.9	38.0			
FH (60°-80°)	7037.4	32.5			G3/7500
FVH (80°-90°)	128.9	0.6			G2/225
BL (0°-30°)	1139.6	5.3	B3/2500		
BM (30°-60°)	2236.8	10.3	B2/2500		
BH (60°-80°)	1286.1	5.9	B3/2500		G3/2500
BVH (80°-90°)	102.4	0.5			G2/225
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°	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4
2.5°	2648.6	2645.5	2644.0	2653.3	2650.2	2648.6	2648.6	2647.1	2644.0	2631.6	2614.5
5°	2721.6	2715.4	2709.2	2717.0	2710.8	2704.5	2703.0	2699.9	2689.0	2670.4	2644.0
7.5°	2797.7	2791.5	2793.0	2797.7	2793.0	2789.9	2785.3	2782.2	2765.1	2735.6	2699.9
10°	2904.8	2904.8	2907.9	2912.6	2914.1	2909.5	2900.2	2895.5	2875.3	2838.1	2788.4
12.5°	3060.1	3057.0	3057.0	3053.9	3058.5	3053.9	3044.6	3036.8	3011.9	2963.8	2892.4
15°	3265.0	3252.6	3241.7	3221.5	3215.3	3198.3	3201.4	3196.7	3173.4	3108.2	3018.2
17.5°	3483.9	3482.4	3465.3	3424.9	3384.6	3356.6	3362.8	3361.3	3348.8	3260.4	3145.5
20°	3676.4	3684.2	3668.7	3637.6	3583.3	3530.5	3527.4	3535.2	3519.6	3431.1	3271.2
22.5°	3892.2	3886.0	3870.5	3830.1	3789.8	3733.9	3715.3	3709.0	3702.8	3601.9	3400.1
25°	4097.2	4115.8	4095.6	4058.4	3996.3	3935.7	3920.2	3926.4	3909.3	3775.8	3538.3
27.5°	4356.5	4364.2	4351.8	4300.6	4247.8	4162.4	4132.9	4132.9	4126.7	3938.8	3646.9
30°	4632.8	4654.5	4632.8	4590.9	4536.6	4413.9	4350.2	4344.0	4325.4	4106.5	3774.2
32.5°	4910.7	4926.2	4910.7	4870.3	4808.2	4701.1	4609.5	4595.5	4570.7	4289.7	3904.7
35°	5157.6	5171.5	5168.4	5177.8	5126.5	4991.4	4935.6	4929.3	4864.1	4528.8	4081.7
37.5°	5427.7	5444.8	5421.5	5440.1	5420.0	5292.6	5275.6	5244.5	5151.4	4753.9	4268.0
40°	5735.1	5750.6	5713.4	5721.1	5697.9	5626.4	5539.5	5497.6	5359.4	4997.7	4561.4
42.5°	6064.3	6100.0	6117.0	6103.1	6048.7	6008.4	5856.2	5803.4	5688.5	5437.0	5044.2
45°	6540.9	6593.7	6618.5	6582.8	6559.5	6502.1	6315.8	6252.1	6191.6	6056.5	5718.0
47.5°	7054.8	7102.9	7182.1	7197.6	7216.3	7172.8	6910.4	6848.3	6859.2	6843.6	6547.1
50°	7464.7	7505.0	7683.6	7874.5	8032.9	8045.3	7710.0	7643.2	7702.2	7751.9	7545.4
52.5°	7762.7	7798.5	8034.4	8428.8	8787.4	9052.9	8691.2	8615.1	8663.2	8775.0	8680.3
55°	8004.9	8054.6	8301.5	8907.0	9632.0	10051.2	9819.9	9723.6	9703.4	9841.6	9896.0
57.5°	8132.3	8147.8	8494.0	9281.1	10251.5	11030.9	11131.8	11023.1	10830.6	10906.7	11189.2
60°	7841.9	7868.3	8341.8	9377.4	10740.5	12002.8	12508.9	12418.8	12009.0	12050.9	12363.0
62.5°	7039.3	7076.5	7646.3	8919.4	10780.9	12651.7	13780.4	13723.0	13173.4	12946.7	13039.9
65°	5646.6	5659.0	6249.0	7786.0	9978.2	12732.5	14666.9	14653.0	13986.9	13455.9	13056.9
67.5°	3220.0	3198.3	3986.9	5553.5	8234.7	11682.9	14724.4	14806.7	14250.9	13372.1	11970.2
70°	1395.7	1398.8	1762.1	2740.3	5329.9	9442.6	13676.4	13817.7	13487.0	11976.4	9523.3
72.5°	645.9	655.2	812.0	1186.1	2276.0	5857.8	11152.0	11279.3	10995.2	9585.4	6929.0
75°	456.4	464.2	541.8	680.0	1046.4	2282.2	7460.0	7727.0	7865.2	7169.7	4566.0
77.5°	346.2	357.1	395.9	472.0	645.9	808.9	3569.3	4205.9	5010.1	4460.5	2352.1
80°	220.5	220.5	262.4	315.2	394.3	420.7	1030.9	1221.9	2451.5	1838.2	923.8
82.5°	149.0	153.7	178.5	200.3	226.7	239.1	442.5	472.0	708.0	625.7	380.4
85°	79.2	82.3	93.2	91.6	108.7	94.7	186.3	184.8	259.3	284.1	144.4
87.5°	0.0	0.0	1.6	1.6	3.1	4.7	20.2	21.7	54.3	86.9	48.1
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°	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4	2611.4
2.5°	2623.8	2605.2	2614.5	2611.4	2620.7	2620.7	2603.6	2599.0	2600.5	2581.9	2575.7
5°	2647.1	2625.4	2630.0	2623.8	2633.1	2640.9	2633.1	2633.1	2642.4	2628.5	2620.7
7.5°	2699.9	2675.0	2675.0	2667.3	2678.1	2684.4	2678.1	2687.5	2704.5	2690.6	2682.8
10°	2783.7	2754.2	2755.8	2746.5	2751.1	2748.0	2723.2	2715.4	2720.1	2707.6	2701.4
12.5°	2892.4	2852.0	2852.0	2833.4	2822.5	2789.9	2738.7	2720.1	2723.2	2712.3	2707.6
15°	2996.4	2959.2	2951.4	2914.1	2864.5	2803.9	2757.3	2744.9	2748.0	2737.1	2729.4
17.5°	3119.1	3070.9	3043.0	2974.7	2883.1	2821.0	2774.4	2744.9	2720.1	2695.2	2689.0
20°	3232.4	3171.9	3120.6	3015.1	2903.3	2817.9	2730.9	2658.0	2597.4	2564.8	2557.0
22.5°	3348.8	3271.2	3181.2	3043.0	2901.7	2762.0	2602.1	2491.8	2401.8	2353.7	2363.0
25°	3459.1	3361.3	3238.6	3069.4	2852.0	2637.8	2420.4	2255.9	2153.4	2116.1	2105.3
27.5°	3550.7	3429.6	3291.4	3057.0	2749.6	2459.2	2172.0	1988.8	1889.5	1847.5	1836.7
30°	3653.1	3516.5	3367.5	2999.5	2588.1	2209.3	1891.0	1742.0	1670.5	1630.2	1631.7
32.5°	3771.1	3628.3	3474.6	2889.3	2381.6	1939.1	1659.7	1557.2	1499.8	1459.4	1453.2
35°	3929.5	3788.2	3546.0	2723.2	2119.2	1690.7	1501.3	1417.5	1346.1	1293.3	1282.4
37.5°	4125.1	4028.9	3553.8	2501.2	1838.2	1519.9	1388.0	1297.9	1211.0	1141.1	1133.4
40°	4460.5	4350.2	3490.1	2223.3	1599.1	1409.7	1293.3	1189.3	1088.3	1010.7	999.8
42.5°	4938.7	4712.0	3353.5	1909.6	1419.0	1322.8	1203.2	1071.3	968.8	914.5	906.7
45°	5547.3	5115.7	3148.6	1614.7	1285.5	1237.4	1108.5	970.3	916.0	877.2	869.4
47.5°	6292.5	5586.1	2912.6	1384.9	1181.5	1159.8	1012.3	936.2	888.1	855.5	847.7
50°	7183.6	6185.4	2718.5	1204.8	1088.3	1069.7	981.2	916.0	877.2	850.8	844.6
52.5°	8200.6	6851.4	2623.8	1075.9	1007.6	989.0	970.3	911.3	878.7	858.6	850.8
55°	9256.3	7553.2	2535.3	976.6	939.3	950.2	971.9	926.9	902.0	875.6	867.9
57.5°	10276.3	8211.4	2318.0	898.9	889.6	931.5	979.7	942.4	912.9	886.5	877.2
60°	10979.6	8571.6	1950.0	836.8	852.3	908.2	959.5	919.1	881.8	871.0	866.3
62.5°	11169.0	8528.2	1513.7	773.2	807.3	857.0	906.7	880.3	841.5	858.6	860.1
65°	10726.6	8062.4	1136.5	711.1	748.3	790.2	852.3	841.5	827.5	874.1	875.6
67.5°	9473.7	6918.2	866.3	656.7	687.8	739.0	835.3	880.3	883.4	942.4	936.2
70°	7168.1	5168.4	678.5	605.5	641.2	739.0	889.6	909.8	872.5	926.9	914.5
72.5°	4955.7	3411.0	577.5	560.5	583.8	704.9	888.1	888.1	847.7	847.7	824.4
75°	3078.7	2005.9	503.0	503.0	503.0	616.4	863.2	818.2	746.8	714.2	695.5
77.5°	1519.9	975.0	422.3	437.8	420.7	515.4	704.9	669.1	625.7	591.5	579.1
80°	649.0	487.5	341.6	358.6	338.5	388.1	558.9	551.2	509.2	464.2	450.2
82.5°	298.1	251.5	273.2	281.0	246.9	291.9	408.3	408.3	385.0	322.9	299.6
85°	127.3	133.5	189.4	189.4	155.3	164.6	218.9	208.0	186.3	152.1	139.7
87.5°	43.5	65.2	96.3	83.8	32.6	14.0	7.8	3.1	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)