

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: P637293

Luminaire Tested: GWS-SA4C-740-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4C-740-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

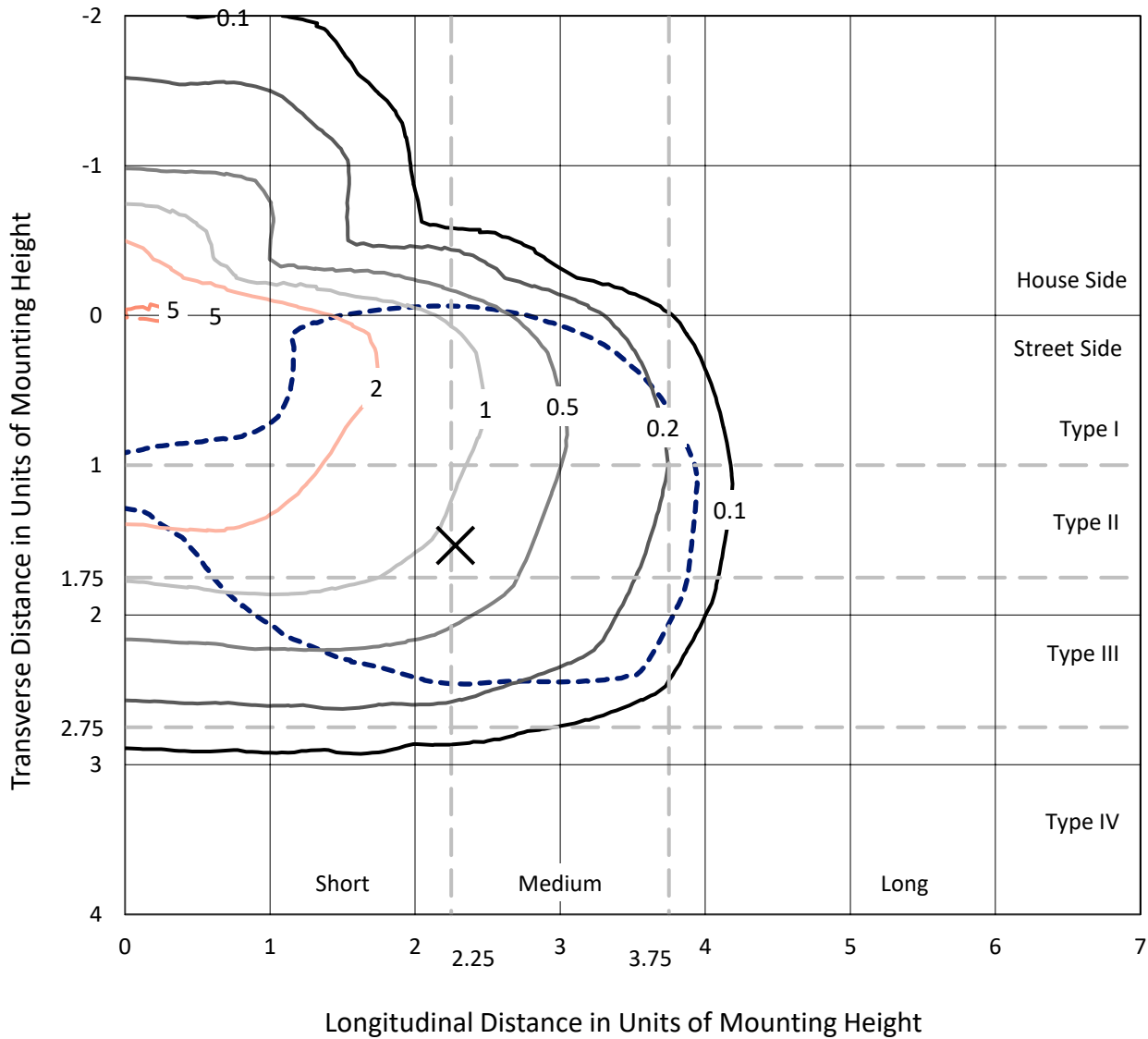
Lumens per Lamp: N/A  
Luminaire Lumens: 19733.8 lumens  
Efficiency: N/A  
Efficacy: 153.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P637293  
 CATALOG NUMBER: GWS-SA4C-740-U-T3R-W

### Iso-Footcandle Lines of Horizontal Illumination

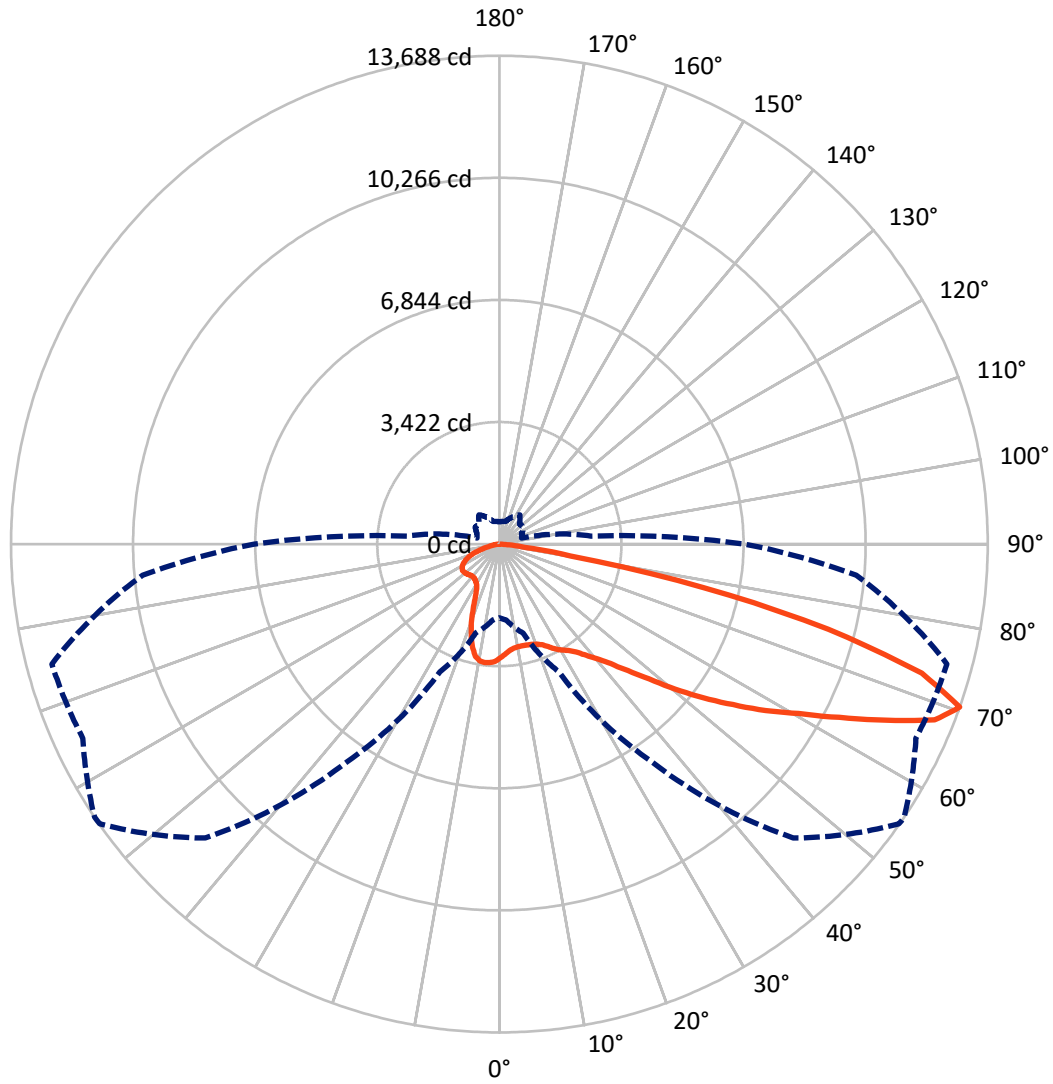
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type III - Medium - N/A

REPORT NUMBER: P637293  
CATALOG NUMBER: GWS-SA4C-740-U-T3R-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P637293

CATALOG NUMBER: GWS-SA4C-740-U-T3R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3793.9	0.0	3793.9
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	15939.9	0.0	15939.9
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	19733.8	0.0	19733.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.8	1.5
10°-20°	798.7	4.0
20°-30°	1320.4	6.7
30°-40°	1974.2	10.0
40°-50°	2937.9	14.9
50°-60°	4176.9	21.2
60°-70°	5173.2	26.2
70°-80°	2856.5	14.5
80°-90°	201.2	1.0
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°	19733.8	100.0
0°-180°	19733.8	100.0

**Coefficient of Utilization**



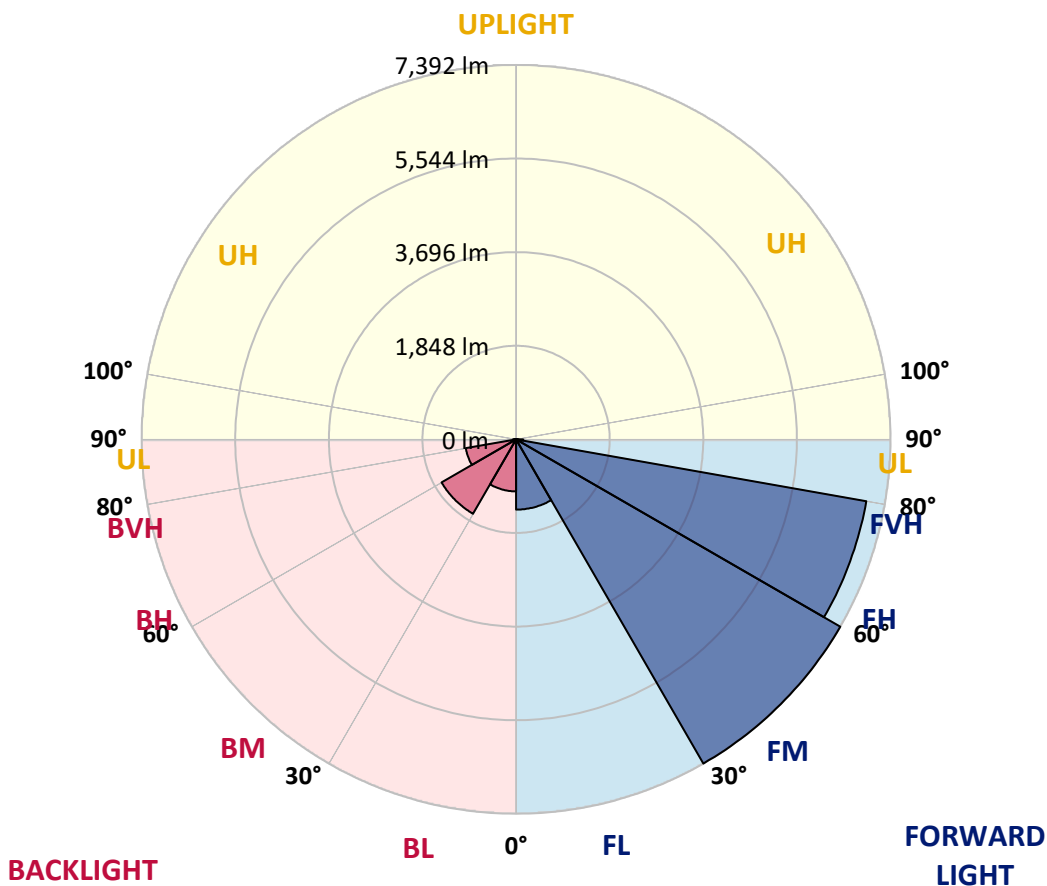
REPORT NUMBER: P637293

CATALOG NUMBER: GWS-SA4C-740-U-T3R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.9	7.0			
FM (30°-60°)	7392.0	37.5			
FH (60°-80°)	7021.3	35.6			G3/7500
FVH (80°-90°)	139.8	0.7			G2/225
BL (0°-30°)	1027.0	5.2	B3/2500		
BM (30°-60°)	1697.1	8.6	B2/2500		
BH (60°-80°)	1008.4	5.1	B3/2500		G3/2500
BVH (80°-90°)	61.4	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-G3**  
 Type III Medium





REPORT NUMBER: P637293  
 CATALOG NUMBER: GWS-SA4C-740-U-T3R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3
2.5°	2980.8	2964.1	2983.6	2993.3	3018.3	3054.5	3086.5	3087.9	3104.6	3145.0	3183.9
5°	2845.8	2837.4	2843.0	2872.2	2898.7	2944.6	2993.3	2997.5	3044.8	3124.1	3202.0
7.5°	2741.4	2730.3	2751.2	2788.7	2822.1	2873.6	2937.6	2943.2	3010.0	3129.7	3249.4
10°	2591.1	2582.8	2621.7	2671.8	2744.2	2829.1	2914.0	2920.9	3008.6	3165.9	3332.8
12.5°	2525.7	2525.7	2542.4	2589.7	2669.1	2781.8	2909.8	2920.9	3030.9	3221.5	3440.0
15°	2627.3	2634.3	2620.4	2617.6	2649.6	2756.7	2915.4	2932.1	3072.6	3278.6	3545.8
17.5°	2831.9	2838.8	2802.7	2745.6	2713.6	2780.4	2936.2	2954.3	3117.2	3341.2	3659.9
20°	3118.5	3126.9	3047.6	2959.9	2850.0	2848.6	2976.6	2993.3	3174.2	3409.4	3780.9
22.5°	3453.9	3459.5	3359.3	3220.1	3051.7	2975.2	3046.2	3062.9	3248.0	3504.0	3911.7
25°	3842.2	3858.9	3737.8	3536.0	3307.8	3149.2	3161.7	3181.2	3380.2	3630.6	4066.2
27.5°	4256.9	4277.7	4138.6	3915.9	3601.4	3341.2	3310.6	3327.3	3520.7	3708.6	4148.3
30°	4681.3	4696.6	4557.4	4302.8	3917.3	3558.3	3435.8	3445.6	3581.9	3746.1	4231.8
32.5°	5153.0	5140.5	5006.9	4713.3	4281.9	3818.5	3552.7	3549.9	3650.1	3821.3	4351.5
35°	5595.6	5613.7	5471.7	5147.5	4682.7	4140.0	3728.1	3716.9	3794.9	3943.8	4519.9
37.5°	6131.3	6125.8	5956.0	5605.3	5084.9	4447.5	3974.4	3954.9	3982.7	4134.4	4755.0
40°	6514.0	6553.0	6443.0	6116.0	5555.2	4826.0	4262.4	4219.3	4226.2	4369.6	5069.5
42.5°	6827.1	6863.3	6874.4	6665.7	6093.8	5293.6	4621.5	4578.3	4582.5	4785.7	5456.4
45°	7067.9	7116.6	7273.8	7212.6	6700.5	5833.5	5107.1	5062.6	5065.4	5290.8	5924.0
47.5°	7166.7	7219.5	7538.2	7684.3	7344.8	6479.2	5711.1	5645.7	5655.4	5904.5	6458.3
50°	7134.7	7205.6	7637.0	8047.5	7884.7	7136.0	6433.3	6387.4	6349.8	6711.6	7038.6
52.5°	6859.1	6937.1	7627.3	8278.5	8325.9	7756.7	7179.2	7152.7	7144.4	7568.8	7687.1
55°	6047.8	6178.6	7291.9	8339.8	8671.0	8341.2	7987.7	7943.2	7986.3	8487.3	8342.6
57.5°	5598.3	5695.8	6635.1	8271.6	8953.5	8897.8	8794.8	8799.0	8847.7	9485.0	9137.1
60°	5342.3	5456.4	6270.5	8085.1	9224.8	9574.1	9639.5	9639.5	9727.2	10560.7	9944.3
62.5°	5002.7	5118.3	5929.5	7726.1	9475.3	10370.1	10701.3	10697.1	10731.9	11714.4	10733.3
65°	4313.9	4421.1	5244.9	7159.7	9597.8	11246.8	11907.8	11895.3	11825.7	12741.4	11255.1
67.5°	3132.5	3234.0	4017.5	6082.6	9156.6	11953.7	13150.5	13156.0	12740.0	13388.4	11283.0
70°	2065.1	2134.7	2582.8	3950.7	7446.4	11649.0	13670.9	13687.6	12880.5	12984.9	10041.7
72.5°	1288.6	1337.3	1612.8	2356.0	4400.2	9220.6	12335.0	12380.9	11587.7	11411.0	8250.7
75°	855.8	889.2	1072.9	1373.5	2035.9	4990.2	9376.5	9524.0	9287.4	8945.1	5748.6
77.5°	514.9	542.7	683.3	872.5	901.7	1949.6	5473.1	5854.4	5887.8	4670.2	2407.4
80°	235.2	267.2	377.1	498.2	480.1	679.1	1930.1	2019.2	2382.4	1483.4	759.8
82.5°	139.2	153.1	250.5	247.7	204.6	329.8	694.4	712.5	605.3	542.7	324.2
85°	55.7	65.4	105.8	93.2	75.1	107.2	261.6	274.1	263.0	236.6	119.7
87.5°	0.0	0.0	0.0	0.0	1.4	2.8	23.7	25.0	36.2	65.4	36.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637293  
 CATALOG NUMBER: GWS-SA4C-740-U-T3R-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3	3185.3
2.5°	3209.0	3200.6	3242.4	3274.4	3288.3	3302.2	3289.7	3285.5	3285.5	3257.7	3243.8
5°	3243.8	3248.0	3305.0	3331.5	3331.5	3320.3	3286.9	3263.3	3254.9	3218.7	3209.0
7.5°	3309.2	3327.3	3380.2	3378.8	3339.8	3278.6	3195.1	3131.1	3072.6	3047.6	3032.3
10°	3416.3	3440.0	3476.2	3417.7	3309.2	3147.8	2971.0	2831.9	2748.4	2681.6	2681.6
12.5°	3538.8	3561.1	3554.1	3419.1	3195.1	2893.1	2638.4	2478.4	2361.5	2300.3	2300.3
15°	3661.3	3679.4	3604.2	3355.1	2957.1	2555.0	2276.6	2084.6	1983.0	1926.0	1926.0
17.5°	3785.1	3783.7	3625.1	3207.6	2646.8	2180.6	1907.9	1759.0	1724.2	1714.4	1713.0
20°	3904.8	3872.8	3598.6	2961.3	2286.4	1803.5	1630.9	1640.7	1692.2	1714.4	1717.2
22.5°	4039.8	3960.5	3520.7	2646.8	1877.2	1541.9	1553.0	1633.7	1708.9	1742.3	1746.4
25°	4177.5	4035.6	3389.9	2278.0	1534.9	1445.9	1532.1	1622.6	1707.5	1750.6	1754.8
27.5°	4233.2	4035.6	3167.2	1850.8	1352.6	1405.5	1500.1	1587.8	1676.9	1727.0	1736.7
30°	4279.1	4000.8	2855.5	1465.3	1277.5	1366.5	1448.6	1529.4	1617.0	1678.3	1689.4
32.5°	4343.1	3970.2	2478.4	1231.6	1242.7	1329.0	1386.0	1454.2	1533.5	1573.9	1569.7
35°	4418.3	3922.9	2023.4	1120.2	1213.5	1297.0	1337.3	1377.7	1341.5	1340.1	1344.3
37.5°	4525.4	3881.1	1626.8	1070.1	1194.0	1274.7	1308.1	1221.8	1171.7	1150.8	1142.5
40°	4679.9	3864.4	1283.0	1040.9	1191.2	1273.3	1249.6	1116.1	1047.9	975.5	974.1
42.5°	4874.7	3851.9	1060.4	1027.0	1200.9	1305.3	1168.9	1046.5	905.9	873.9	871.1
45°	5125.2	3832.4	949.1	1024.2	1224.6	1330.4	1160.6	950.5	854.4	840.5	840.5
47.5°	5427.2	3801.8	899.0	1024.2	1251.0	1319.2	1135.5	929.6	830.8	846.1	855.8
50°	5773.7	3762.8	872.5	1021.4	1277.5	1319.2	1082.7	925.4	825.2	904.5	936.5
52.5°	6143.8	3718.3	854.4	1010.3	1295.6	1320.6	1085.4	939.3	830.8	918.4	944.9
55°	6553.0	3711.4	829.4	986.6	1301.1	1284.4	1092.4	969.9	839.1	832.2	833.6
57.5°	7069.3	3794.9	811.3	951.8	1278.9	1210.7	1106.3	992.2	829.4	830.8	840.5
60°	7609.2	3952.1	826.6	918.4	1232.9	1141.1	1116.1	981.1	782.1	759.8	762.6
62.5°	8068.4	4071.8	839.1	903.1	1166.1	1079.9	1106.3	956.0	755.6	750.1	762.6
65°	8260.5	3973.0	808.5	871.1	1068.7	1004.7	1085.4	924.0	733.4	712.5	713.9
67.5°	8047.5	3509.6	748.7	800.2	958.8	908.7	1052.0	882.3	702.8	677.7	672.1
70°	6874.4	2578.6	645.7	687.4	825.2	796.0	1000.5	828.0	654.0	636.0	623.4
72.5°	5539.9	1825.8	535.8	546.9	647.1	670.7	911.5	759.8	598.4	546.9	528.8
75°	3856.1	1146.7	446.7	435.6	467.6	512.1	711.1	630.4	516.3	462.0	445.3
77.5°	1658.8	588.6	349.3	343.7	311.7	354.9	545.5	526.0	432.8	370.2	360.4
80°	555.2	340.9	251.9	242.1	207.3	249.1	384.1	420.3	339.5	274.1	257.4
82.5°	278.3	197.6	160.0	144.7	139.2	157.2	226.8	261.6	235.2	189.3	160.0
85°	136.4	112.7	87.7	86.3	72.4	68.2	94.6	111.3	105.8	77.9	73.8
87.5°	50.1	44.5	27.8	22.3	13.9	9.7	5.6	5.6	4.2	4.2	4.2
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)