

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: P635922

Luminaire Tested: GWS-SA3E-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21997.1 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

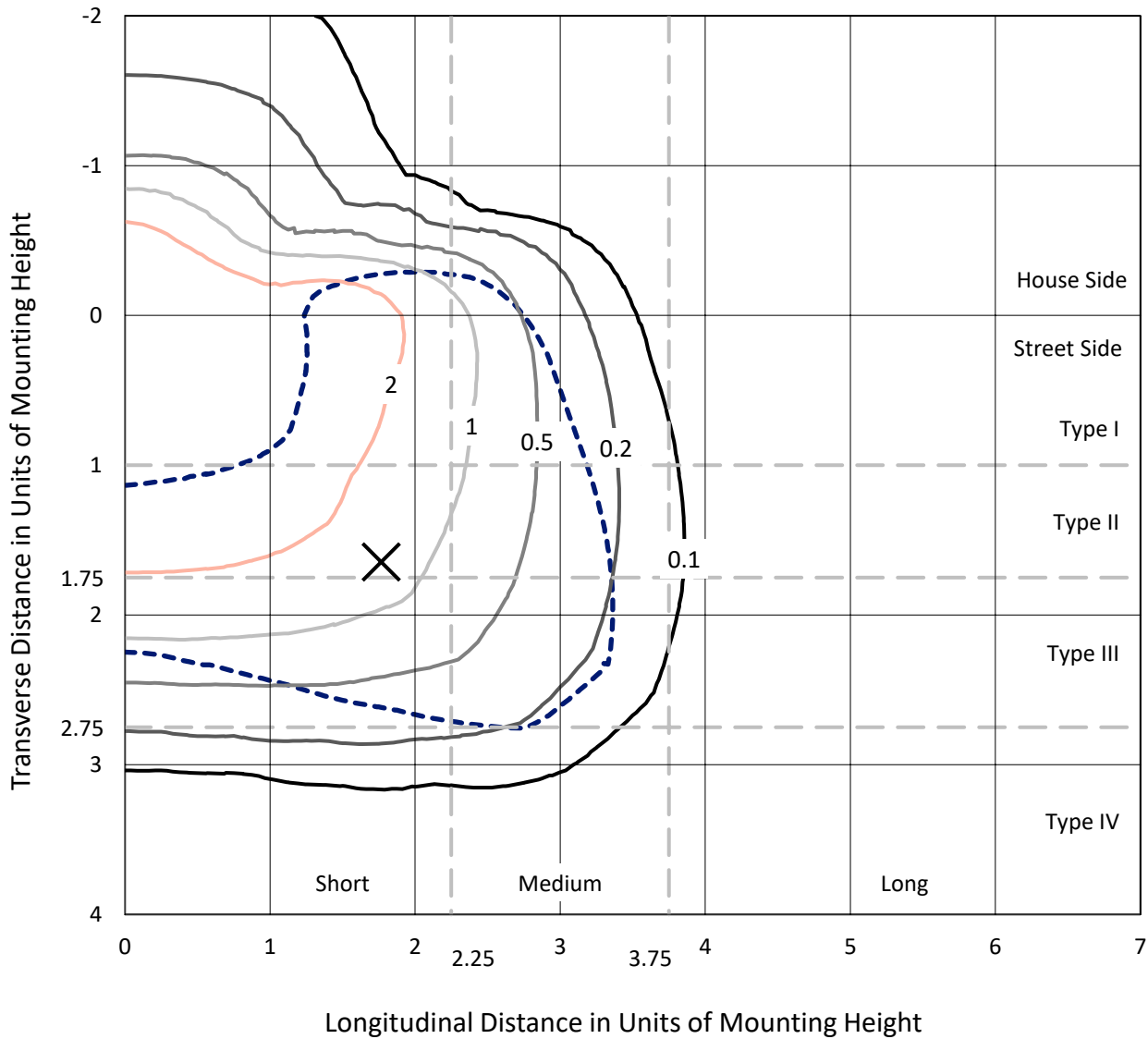
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

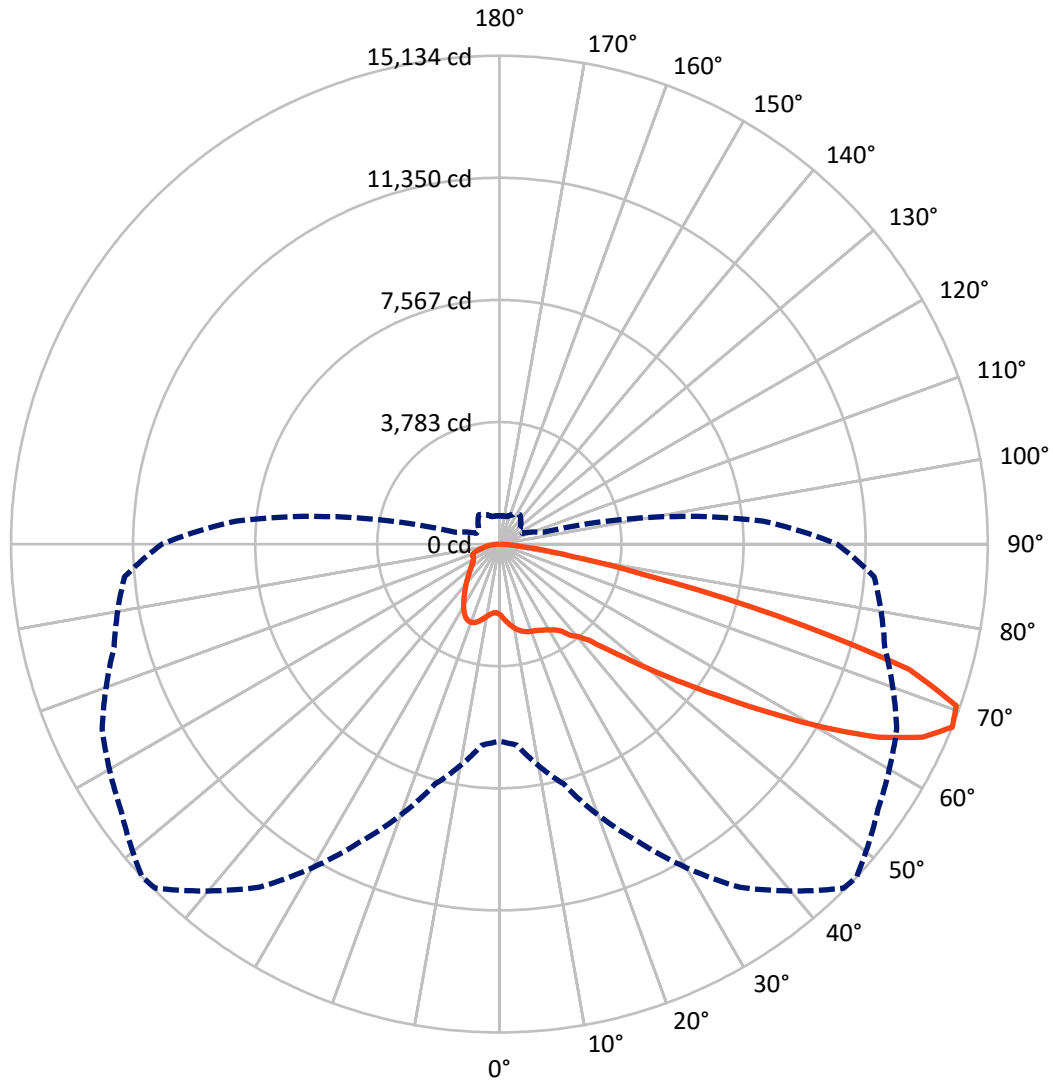
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5013.3	0.0	5013.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	16983.8	0.0	16983.8
	% Fixture	77.2	0.0	77.2
Total	Lumens	21997.1	0.0	21997.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	1.0
10°-20°	742.5	3.4
20°-30°	1262.0	5.7
30°-40°	1848.7	8.4
40°-50°	2816.8	12.8
50°-60°	5039.8	22.9
60°-70°	6725.1	30.6
70°-80°	3041.2	13.8
80°-90°	298.0	1.4
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°	21997.1	100.0
0°-180°	21997.1	100.0

Coefficient of Utilization



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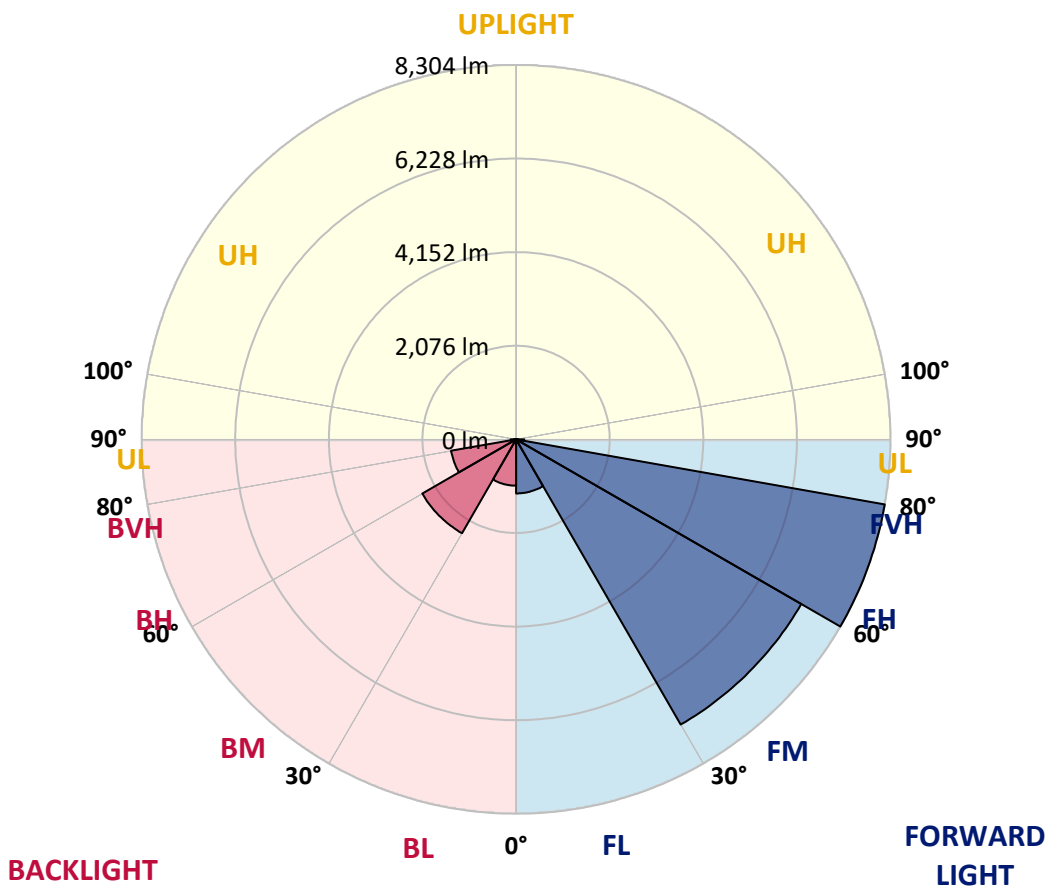
CATALOG NUMBER: GWS-SA3E-760-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1199.6	5.5			
FM (30°-60°)	7303.3	33.2			
FH (60°-80°)	8303.7	37.7			G4/12000
FVH (80°-90°)	177.2	0.8			G2/225
BL (0°-30°)	1027.7	4.7	B3/2500		
BM (30°-60°)	2402.1	10.9	B2/2500		
BH (60°-80°)	1462.7	6.6	B3/2500		G3/2500
BVH (80°-90°)	120.7	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6
2.5°	2325.3	2333.3	2331.7	2319.0	2311.0	2296.7	2298.3	2276.0	2242.6	2220.4	2194.9
5°	2530.5	2543.2	2527.3	2506.7	2474.9	2428.7	2424.0	2373.1	2309.4	2264.9	2218.8
7.5°	2708.7	2716.6	2697.5	2662.5	2616.4	2554.4	2543.2	2482.8	2403.3	2333.3	2266.5
10°	2847.0	2856.6	2831.1	2785.0	2724.6	2662.5	2654.6	2592.6	2508.3	2425.5	2341.3
12.5°	2964.7	2967.9	2940.9	2878.8	2813.6	2750.0	2742.1	2684.8	2606.9	2522.6	2430.3
15°	3033.1	3034.7	3001.3	2932.9	2870.9	2815.2	2810.5	2761.2	2689.6	2610.1	2511.4
17.5°	3028.4	3031.5	3007.7	2947.2	2893.2	2859.8	2855.0	2823.2	2767.5	2695.9	2597.3
20°	2969.5	2972.7	2956.8	2917.0	2888.4	2878.8	2880.4	2870.9	2837.5	2778.6	2678.4
22.5°	2923.4	2928.2	2913.8	2885.2	2882.0	2904.3	2909.1	2913.8	2897.9	2845.4	2748.4
25°	2945.7	2953.6	2931.3	2891.6	2897.9	2947.2	2956.8	2972.7	2960.0	2915.4	2831.1
27.5°	3099.9	3104.7	3047.4	2966.3	2947.2	2999.7	3014.0	3039.5	3029.9	2988.6	2923.4
30°	3457.8	3454.6	3332.1	3133.3	3053.8	3074.5	3085.6	3122.2	3125.4	3098.3	3036.3
32.5°	3962.0	3946.1	3756.8	3440.3	3209.7	3158.8	3171.5	3220.8	3257.4	3228.8	3144.5
35°	4494.8	4480.5	4272.1	3901.6	3497.6	3321.0	3306.7	3344.9	3400.5	3321.0	3200.1
37.5°	5002.2	4979.9	4766.8	4308.7	3852.2	3605.7	3585.0	3546.9	3513.5	3360.8	3268.5
40°	5565.2	5539.8	5353.7	4835.2	4243.5	3823.6	3771.1	3620.0	3589.8	3492.8	3446.7
42.5°	6166.5	6166.5	6012.2	5501.6	4715.9	4135.4	4067.0	3839.5	3871.3	3807.7	3753.6
45°	6767.7	6785.2	6662.7	6172.8	5347.3	4723.9	4614.1	4291.2	4367.6	4339.0	4311.9
47.5°	7279.8	7313.2	7289.4	6858.3	6120.3	5439.6	5272.6	4937.0	5100.8	5169.2	5245.5
50°	7831.7	7868.3	7844.5	7674.3	7025.3	6306.4	6156.9	5810.2	6091.7	6296.9	6546.6
52.5°	8650.9	8703.3	8504.5	8439.3	8124.4	7291.0	7157.4	6762.9	7273.5	7613.8	8170.5
55°	9342.7	9341.1	9271.2	9420.7	9304.6	8495.0	8347.1	7989.2	8641.3	9002.4	9816.7
57.5°	9664.0	9702.2	9942.4	10365.4	10597.7	9966.2	9824.7	9458.8	10109.4	10297.1	11176.6
60°	9829.4	9877.2	10341.6	11178.2	11803.3	11572.7	11517.0	11051.0	11416.8	11394.5	12323.4
62.5°	9597.2	9692.7	10438.6	11550.4	12663.8	13187.0	13169.5	12464.9	12528.6	12310.7	13034.3
65°	8531.6	8635.0	9805.6	11364.3	13155.2	14414.9	14419.7	13745.3	13382.7	12756.0	12915.1
67.5°	6101.3	6249.2	7696.5	10168.2	12981.9	15078.2	15133.8	14325.9	13583.1	12361.6	11661.7
70°	3325.8	3433.9	4568.0	7391.2	11420.0	14919.1	15022.5	14045.9	12698.7	10693.1	8976.9
72.5°	1511.0	1546.0	2124.9	4055.8	7801.5	12841.9	13274.5	12534.9	10429.1	7898.5	5708.4
75°	691.9	707.8	925.7	1940.4	4076.5	8593.6	8897.4	9336.4	7257.6	4987.9	2975.9
77.5°	434.2	439.0	526.5	887.5	2032.7	4289.6	4609.3	5558.9	4249.9	2468.5	1243.8
80°	256.1	260.8	327.6	480.3	954.3	1962.7	2266.5	2198.1	1997.7	1065.7	566.2
82.5°	128.8	133.6	189.3	273.6	520.1	780.9	919.3	924.1	744.4	577.4	319.7
85°	46.1	47.7	62.0	108.2	221.1	257.7	287.9	351.5	364.2	335.6	154.3
87.5°	0.0	0.0	1.6	3.2	6.4	25.4	27.0	50.9	106.6	119.3	62.0
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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 CATALOG NUMBER: GWS-SA3E-760-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6	2180.6
2.5°	2187.0	2163.1	2155.2	2147.2	2134.5	2129.7	2120.2	2110.6	2110.6	2101.1	2096.3
5°	2198.1	2166.3	2145.6	2136.1	2128.1	2132.9	2132.9	2136.1	2147.2	2140.8	2144.0
7.5°	2237.9	2201.3	2172.7	2164.7	2164.7	2183.8	2196.5	2212.4	2233.1	2236.3	2236.3
10°	2307.9	2264.9	2234.7	2229.9	2237.9	2264.9	2284.0	2303.1	2328.5	2330.1	2333.3
12.5°	2384.2	2341.3	2311.0	2317.4	2325.3	2360.3	2381.0	2396.9	2422.4	2422.4	2420.8
15°	2463.7	2416.0	2390.6	2403.3	2427.1	2466.9	2470.1	2471.7	2484.4	2481.2	2479.6
17.5°	2546.4	2495.5	2476.4	2495.5	2521.0	2540.1	2524.2	2501.9	2497.1	2490.8	2487.6
20°	2627.5	2575.1	2567.1	2581.4	2589.4	2573.5	2524.2	2482.8	2463.7	2454.2	2451.0
22.5°	2697.5	2653.0	2648.2	2648.2	2608.5	2552.8	2479.6	2424.0	2398.5	2385.8	2382.6
25°	2780.2	2738.9	2730.9	2688.0	2586.2	2484.4	2385.8	2334.9	2314.2	2307.9	2309.4
27.5°	2877.3	2848.6	2823.2	2700.7	2522.6	2363.5	2252.2	2229.9	2222.0	2229.9	2234.7
30°	2996.5	2967.9	2910.7	2684.8	2420.8	2206.1	2099.5	2097.9	2121.8	2142.4	2145.6
32.5°	3093.6	3080.8	2987.0	2633.9	2277.6	2032.7	1942.0	1948.4	1991.3	2020.0	2024.7
35°	3169.9	3190.6	3050.6	2549.6	2107.4	1868.9	1797.3	1800.5	1824.3	1864.1	1865.7
37.5°	3278.1	3348.1	3107.9	2420.8	1911.8	1727.3	1662.1	1638.2	1635.1	1646.2	1649.4
40°	3496.0	3600.9	3149.2	2233.1	1722.5	1600.1	1526.9	1480.8	1441.0	1410.8	1401.3
42.5°	3825.2	3946.1	3173.1	2005.7	1553.9	1474.4	1391.7	1332.9	1262.9	1199.3	1177.0
45°	4429.6	4469.4	3173.1	1763.9	1404.4	1356.7	1274.0	1204.0	1115.0	1040.2	1024.3
47.5°	5396.6	5269.4	3176.3	1530.1	1272.4	1253.3	1181.8	1102.2	1003.6	941.6	932.0
50°	6853.6	6406.6	3241.5	1336.0	1162.7	1165.9	1113.4	1025.9	936.8	890.7	882.7
52.5°	8504.5	7807.9	3416.4	1192.9	1070.4	1094.3	1065.7	981.4	901.8	862.1	854.1
55°	10056.9	9096.2	3566.0	1091.1	992.5	1033.8	1032.3	954.3	882.7	843.0	838.2
57.5°	11377.0	9978.9	3543.7	1008.4	925.7	978.2	1002.0	936.8	870.0	836.6	831.8
60°	12197.7	10446.6	3227.2	932.0	874.8	938.4	984.5	932.0	876.4	868.4	870.0
62.5°	12554.0	10360.7	2619.6	874.8	841.4	919.3	1003.6	965.4	935.2	954.3	965.4
65°	12000.5	9622.7	1927.7	831.8	809.6	924.1	1048.2	1017.9	935.2	948.0	952.7
67.5°	10464.1	8191.2	1393.3	788.9	769.8	938.4	1111.8	1010.0	881.2	881.2	871.6
70°	7540.7	5891.3	1011.6	746.0	730.1	917.7	1115.0	955.9	819.1	814.3	790.5
72.5°	4537.8	3475.3	788.9	698.2	669.6	814.3	1045.0	892.3	758.7	718.9	690.3
75°	2357.2	1741.6	661.7	645.8	574.2	690.3	955.9	793.7	648.9	613.9	598.0
77.5°	1010.0	814.3	567.8	575.8	477.2	580.5	771.4	687.1	575.8	531.2	516.9
80°	497.8	462.8	448.5	461.3	381.7	448.5	664.8	601.2	488.3	437.4	416.7
82.5°	284.7	270.4	322.9	327.6	272.0	375.4	561.5	509.0	404.0	348.3	314.9
85°	132.0	141.6	195.6	197.2	168.6	257.7	367.4	286.3	214.7	178.1	170.2
87.5°	52.5	62.0	85.9	84.3	49.3	47.7	31.8	17.5	14.3	12.7	11.1
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)