

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: P633372

Luminaire Tested: GWS-SA2E-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14898.1 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

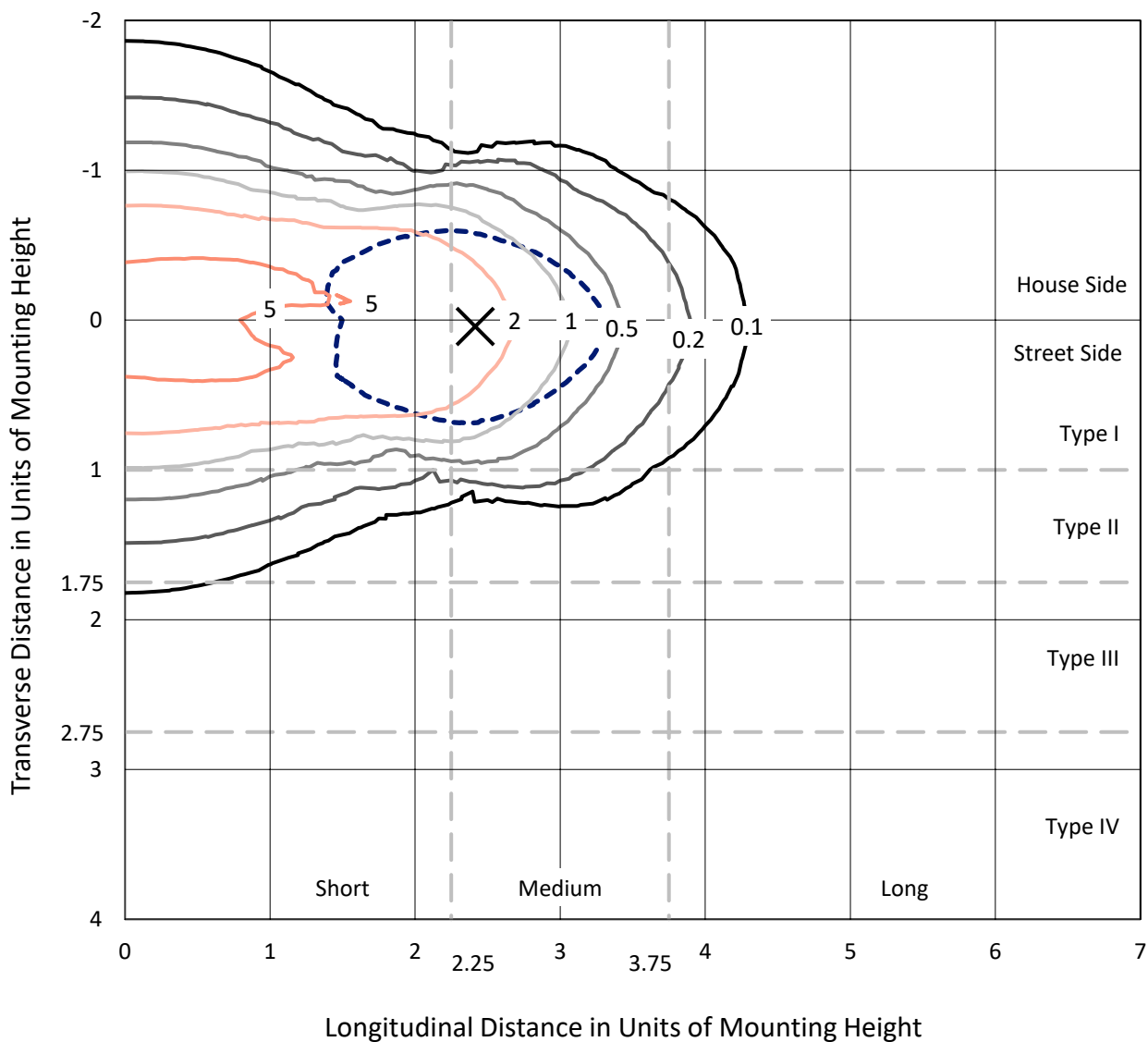
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

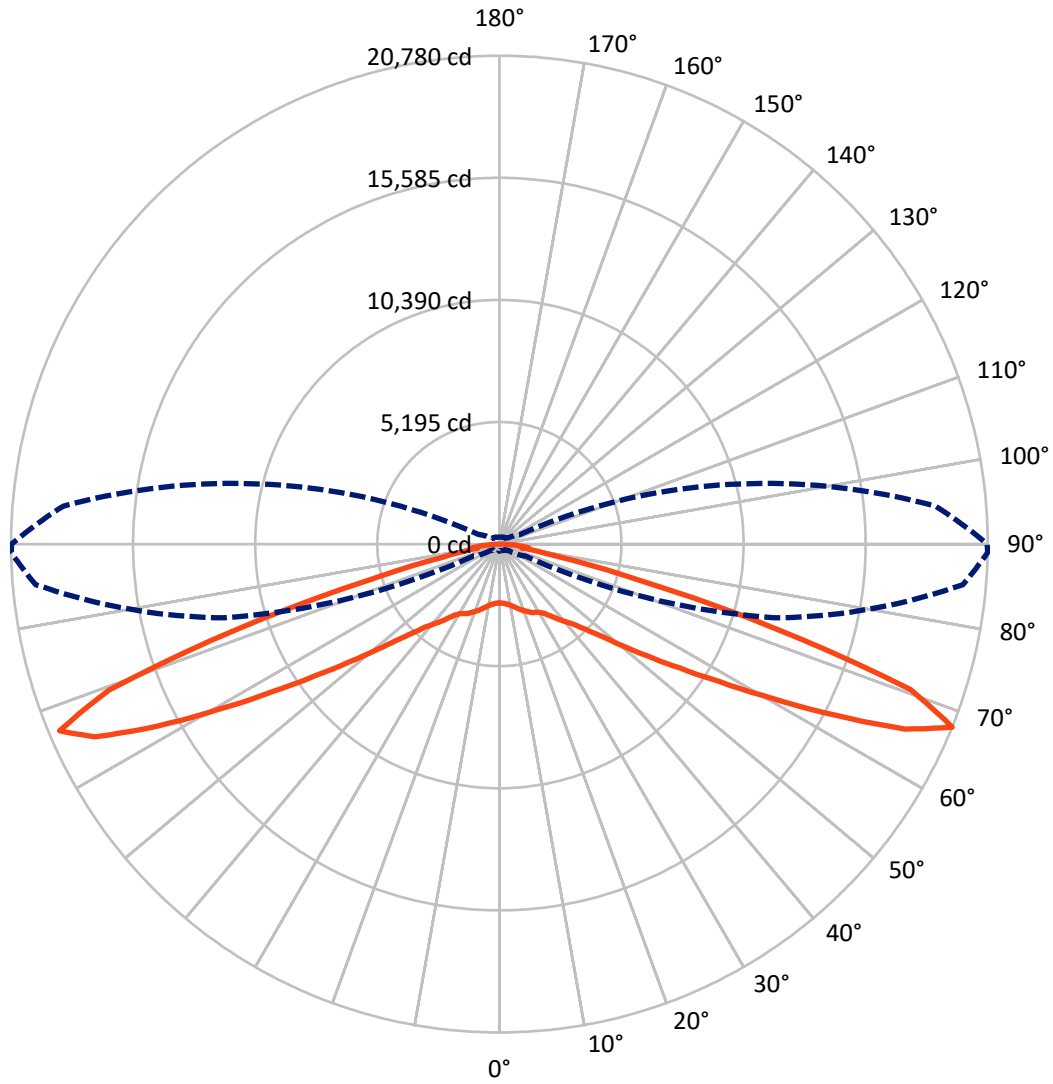
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7383.8	0.0	7383.8
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	7514.3	0.0	7514.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	14898.1	0.0	14898.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.8	1.7
10°-20°	816.7	5.5
20°-30°	1380.6	9.3
30°-40°	1894.7	12.7
40°-50°	2416.2	16.2
50°-60°	3031.5	20.3
60°-70°	3656.2	24.5
70°-80°	1322.7	8.9
80°-90°	128.6	0.9
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°	14898.1	100.0
0°-180°	14898.1	100.0

Coefficient of Utilization



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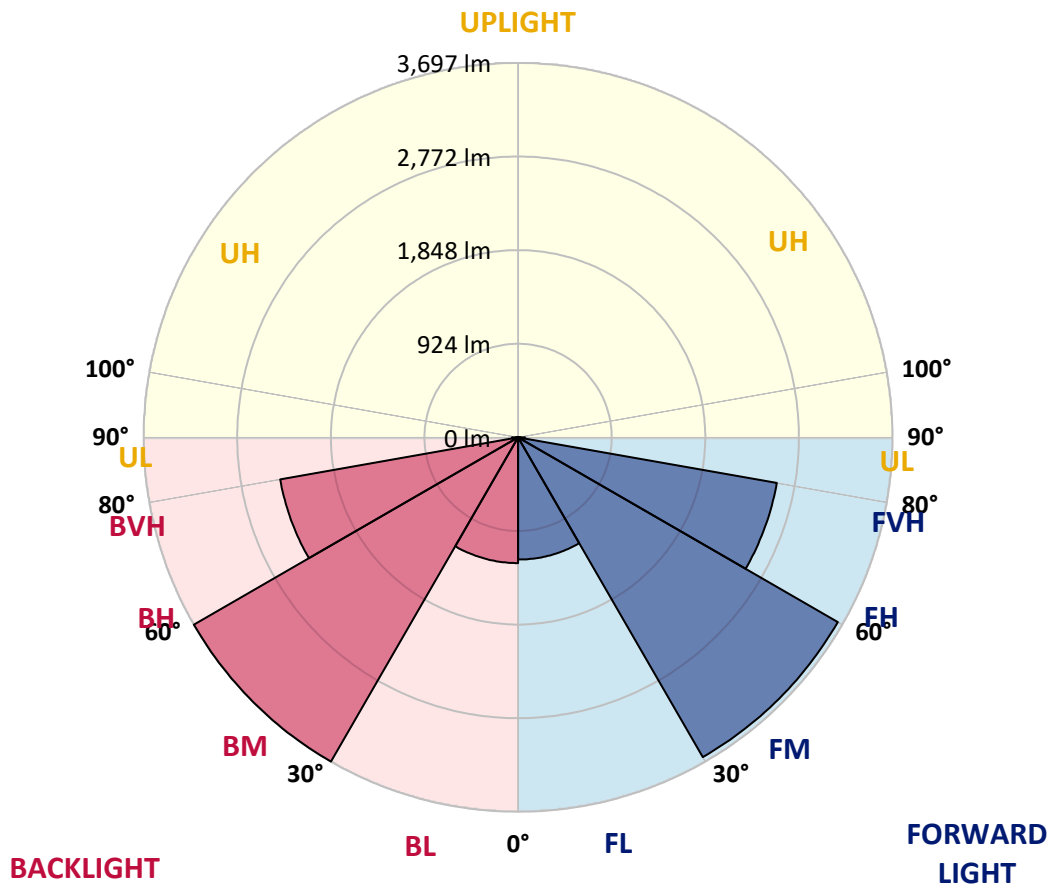
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1206.6	8.1			
FM (30°-60°)	3645.9	24.5			
FH (60°-80°)	2594.0	17.4			G2/5000
FVH (80°-90°)	67.9	0.5			G1/100
BL (0°-30°)	1241.5	8.3	B3/2500		
BM (30°-60°)	3696.5	24.8	B3/5000		
BH (60°-80°)	2384.9	16.0	B3/2500		G3/2500
BVH (80°-90°)	60.8	0.4			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 I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5
2.5°	2508.0	2505.9	2500.5	2516.6	2513.4	2514.4	2520.9	2516.6	2509.1	2496.2	2514.4
5°	2578.6	2577.6	2565.8	2575.4	2564.7	2557.2	2556.2	2545.5	2536.9	2523.0	2542.3
7.5°	2647.1	2646.0	2636.4	2653.5	2645.0	2636.4	2626.8	2605.4	2585.1	2564.7	2586.1
10°	2699.5	2698.5	2696.3	2720.9	2723.1	2726.3	2722.0	2685.6	2650.3	2625.7	2647.1
12.5°	2729.5	2732.7	2738.1	2783.0	2805.5	2826.9	2832.2	2802.3	2743.4	2708.1	2733.8
15°	2709.2	2715.6	2742.3	2823.7	2885.7	2933.9	2954.2	2929.6	2853.6	2794.8	2823.7
17.5°	2611.8	2617.2	2669.6	2793.7	2930.7	3041.9	3075.1	3060.1	2975.6	2903.9	2931.7
20°	2477.0	2488.8	2545.5	2718.8	2923.2	3116.8	3205.6	3200.3	3108.3	2998.1	3031.2
22.5°	2355.0	2368.9	2428.8	2620.4	2872.9	3136.1	3337.2	3351.2	3229.2	3092.2	3119.0
25°	2218.1	2230.9	2307.9	2503.7	2786.2	3121.1	3449.6	3512.7	3366.1	3200.3	3224.9
27.5°	2077.9	2087.5	2163.5	2372.1	2672.8	3093.3	3538.4	3690.3	3501.0	3275.2	3292.3
30°	1954.8	1967.7	2037.2	2240.5	2548.7	3037.7	3611.2	3879.7	3656.1	3359.7	3373.6
32.5°	1836.1	1846.8	1922.7	2111.1	2417.1	2952.1	3676.4	4102.3	3886.1	3517.0	3517.0
35°	1686.3	1705.5	1791.1	1986.9	2293.0	2838.6	3723.5	4361.2	4200.7	3749.2	3750.3
37.5°	1548.3	1559.0	1648.8	1846.8	2162.4	2710.2	3727.8	4629.8	4598.7	4044.5	4046.6
40°	1391.0	1404.9	1501.2	1697.0	2012.6	2575.4	3687.1	4880.1	5016.0	4348.4	4336.6
42.5°	1231.5	1251.9	1343.9	1535.4	1851.1	2410.6	3579.1	5118.7	5545.7	4700.4	4671.5
45°	1077.5	1090.3	1182.3	1363.1	1665.9	2213.8	3405.7	5347.7	6174.8	5235.4	5193.6
47.5°	904.1	909.5	1004.7	1178.0	1474.4	1994.4	3157.5	5552.1	6866.0	5943.7	5872.0
50°	750.1	757.5	832.4	981.2	1240.1	1734.4	2848.3	5671.9	7746.6	6909.9	6785.8
52.5°	606.7	614.2	674.1	792.8	1025.0	1438.0	2465.2	5644.1	8640.0	8109.3	7928.5
55°	490.0	495.4	536.1	629.1	806.8	1143.8	2012.6	5394.8	9631.9	9675.8	9286.3
57.5°	414.1	416.2	444.0	500.7	630.2	881.7	1553.6	4806.3	10671.9	11674.5	11034.6
60°	370.2	371.3	384.1	419.4	497.5	673.0	1138.5	3869.0	11749.4	14175.0	13297.6
62.5°	342.4	342.4	353.1	373.4	413.0	517.9	836.7	2778.7	12523.0	16895.9	16023.9
65°	315.6	315.6	323.1	340.3	361.7	422.6	628.1	1792.2	12902.8	19170.7	18977.0
67.5°	281.4	282.5	287.8	306.0	325.3	353.1	476.1	1212.3	12114.2	19799.8	20779.9
70°	249.3	250.4	257.9	269.6	285.7	304.9	372.4	835.6	8817.6	16490.4	18580.1
72.5°	214.0	218.3	223.6	236.5	246.1	260.0	303.9	541.4	5130.5	10607.7	12282.2
75°	175.5	180.8	187.2	200.1	206.5	211.9	250.4	386.3	2468.4	5375.5	6121.3
77.5°	135.9	141.2	148.7	160.5	164.8	171.2	191.5	279.3	1182.3	2382.8	2569.0
80°	90.9	93.1	99.5	113.4	120.9	125.2	141.2	190.5	513.6	956.6	948.0
82.5°	55.6	56.7	58.8	67.4	70.6	74.9	92.0	116.6	245.0	1087.1	1246.5
85°	20.3	19.3	18.2	23.5	27.8	32.1	42.8	58.8	107.0	746.8	835.6
87.5°	0.0	0.0	0.0	1.1	2.1	2.1	4.3	8.6	25.7	279.3	191.5
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°	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5
2.5°	2509.1	2497.3	2512.3	2523.0	2546.5	2555.1	2557.2	2549.7	2549.7	2536.9	2539.0
5°	2538.0	2530.5	2555.1	2573.3	2607.5	2620.4	2628.9	2623.6	2626.8	2618.2	2620.4
7.5°	2581.8	2575.4	2618.2	2653.5	2688.8	2703.8	2711.3	2707.0	2708.1	2697.4	2700.6
10°	2642.8	2645.0	2696.3	2742.3	2789.4	2804.4	2807.6	2794.8	2784.1	2764.8	2765.9
12.5°	2726.3	2737.0	2809.7	2861.1	2909.3	2930.7	2907.1	2860.0	2816.2	2783.0	2778.7
15°	2817.2	2836.5	2941.4	3006.6	3059.1	3048.4	2978.8	2872.9	2786.2	2737.0	2727.4
17.5°	2926.4	2955.3	3086.9	3165.0	3209.9	3141.4	2995.9	2837.6	2716.7	2650.3	2637.5
20°	3029.1	3075.1	3240.9	3342.6	3347.9	3193.9	2988.4	2765.9	2613.9	2532.6	2515.5
22.5°	3123.3	3182.1	3402.5	3532.0	3462.4	3217.4	2942.4	2664.2	2489.8	2394.6	2379.6
25°	3226.0	3309.4	3590.8	3711.7	3576.9	3207.8	2846.1	2538.0	2340.0	2242.7	2232.0
27.5°	3296.6	3401.4	3780.2	3895.8	3671.1	3153.2	2722.0	2399.9	2203.1	2111.1	2096.1
30°	3377.9	3511.7	3988.9	4095.9	3728.9	3073.0	2589.3	2271.6	2075.7	1976.2	1965.5
32.5°	3525.6	3693.5	4247.8	4307.7	3747.0	2973.5	2462.0	2147.4	1943.1	1843.6	1828.6
35°	3763.1	3960.0	4611.6	4544.2	3733.1	2864.3	2341.1	2001.9	1807.2	1714.1	1699.1
37.5°	4062.7	4307.7	5017.1	4757.1	3694.6	2744.5	2197.7	1879.9	1685.2	1591.0	1582.5
40°	4341.9	4643.7	5471.8	4941.1	3616.5	2596.8	2059.7	1752.6	1553.6	1454.1	1434.8
42.5°	4691.8	5093.1	5998.3	5100.6	3488.1	2420.3	1904.6	1595.3	1388.8	1298.9	1275.4
45°	5223.6	5722.2	6610.3	5253.6	3296.6	2203.1	1709.8	1403.8	1208.0	1116.0	1097.8
47.5°	5887.0	6508.6	7273.7	5344.5	3005.6	1974.1	1489.4	1201.6	1005.8	902.0	893.4
50°	6818.9	7652.4	7985.2	5328.5	2680.3	1702.3	1241.2	960.8	797.1	722.2	710.5
52.5°	7954.2	9088.3	8754.5	5135.9	2334.7	1393.1	967.3	754.3	632.4	578.9	569.2
55°	9378.3	10807.8	9564.5	4722.9	1898.1	1066.8	759.7	594.9	511.4	479.3	475.1
57.5°	11141.6	13034.4	10344.5	4027.4	1427.3	814.2	585.3	491.1	451.5	432.3	431.2
60°	13468.8	15398.0	11021.8	3129.7	1021.8	622.7	483.6	438.7	407.7	394.8	393.7
62.5°	16235.8	17544.3	11443.4	2131.4	768.2	496.5	425.8	398.0	379.8	372.4	371.3
65°	19079.8	18901.1	11242.2	1396.3	583.1	421.6	382.0	367.0	351.0	343.5	343.5
67.5°	20759.6	18614.3	9698.2	969.4	462.2	370.2	344.5	330.6	303.9	297.5	297.5
70°	18387.5	15083.4	6356.7	709.4	374.5	324.2	299.6	280.3	269.6	263.2	262.1
72.5°	12161.3	9814.9	3380.0	492.2	312.4	276.1	253.6	246.1	233.3	226.8	225.8
75°	6052.8	5155.1	1732.3	355.2	260.0	221.5	211.9	208.6	197.9	189.4	187.2
77.5°	2523.0	2295.1	807.8	257.9	197.9	178.7	170.1	170.1	158.4	148.7	144.4
80°	951.2	847.4	382.0	176.5	146.6	132.7	127.3	123.0	113.4	101.6	95.2
82.5°	1272.2	831.4	187.2	110.2	96.3	85.6	78.1	74.9	69.5	64.2	59.9
85°	823.9	590.6	84.5	56.7	48.1	36.4	32.1	30.0	26.7	23.5	21.4
87.5°	168.0	197.9	25.7	10.7	6.4	3.2	3.2	1.1	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)