

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: P634842

Luminaire Tested: GWS-SA3C-750-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-750-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14022.1 lumens  
Efficiency: N/A  
Efficacy: 150.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

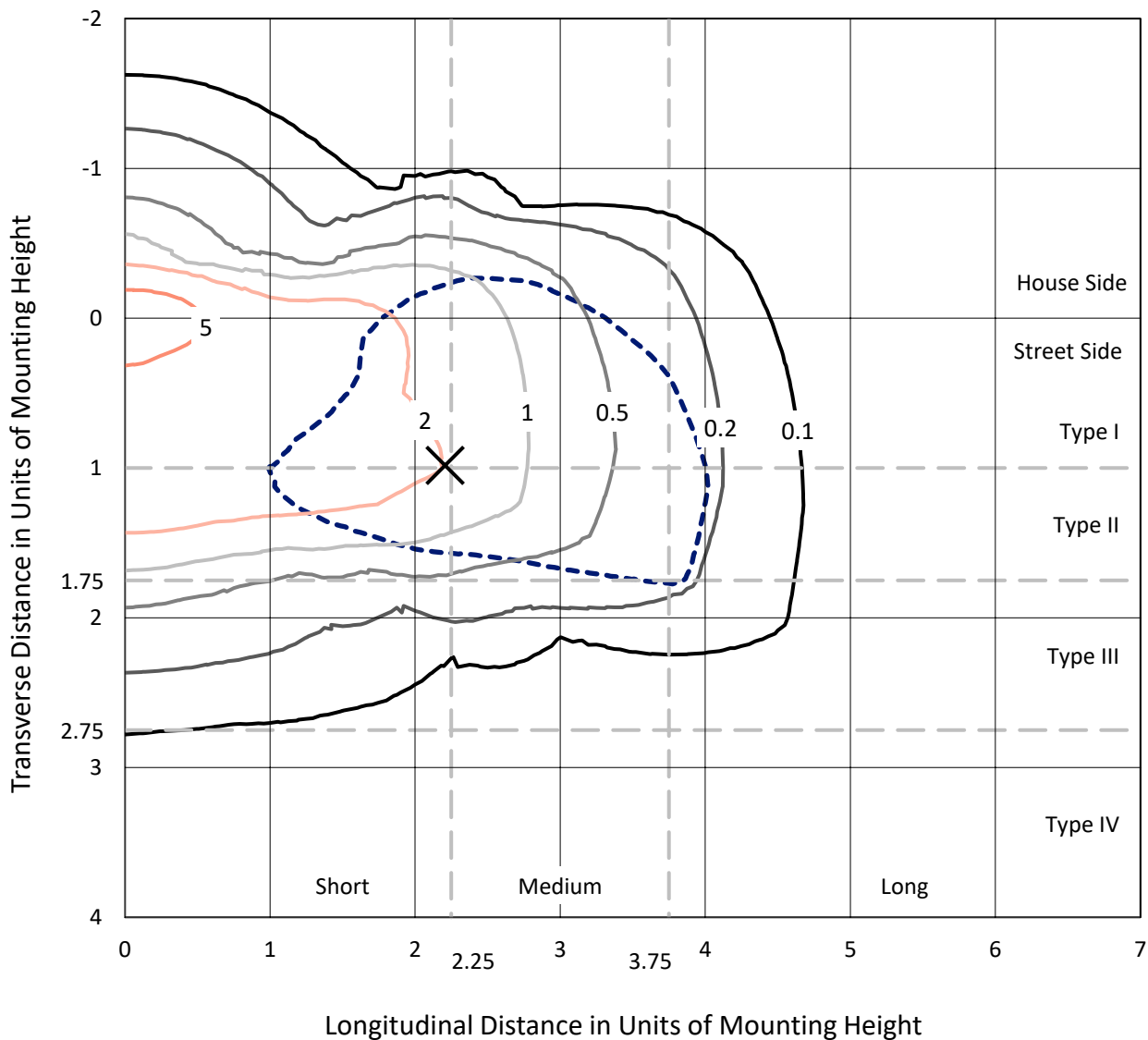
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P634842  
 CATALOG NUMBER: GWS-SA3C-750-U-SL2-W

### Iso-Footcandle Lines of Horizontal Illumination

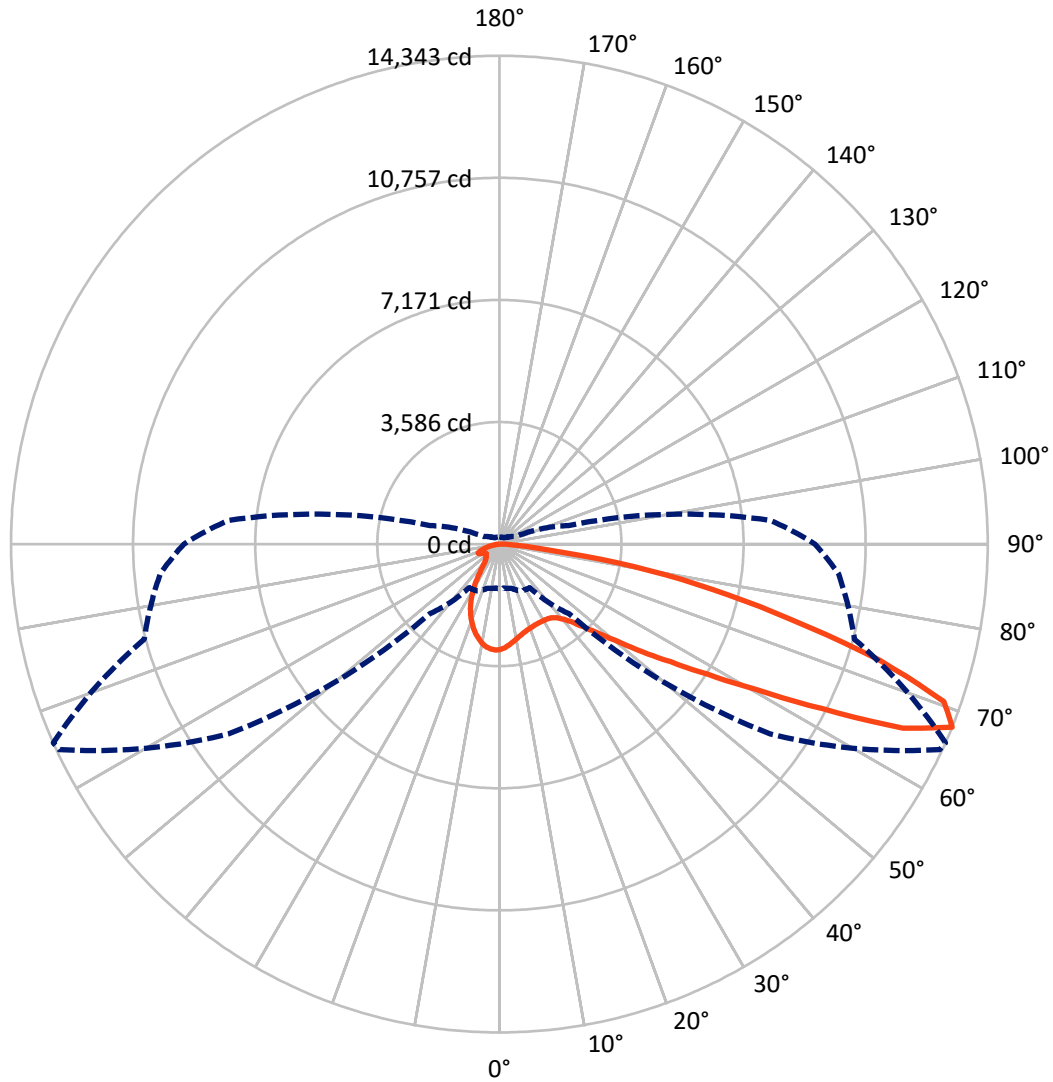
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P634842  
CATALOG NUMBER: GWS-SA3C-750-U-SL2-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P634842

CATALOG NUMBER: GWS-SA3C-750-U-SL2-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2845.4	0.0	2845.4
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	11176.7	0.0	11176.7
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	14022.1	0.0	14022.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.9	1.9
10°-20°	668.3	4.8
20°-30°	918.6	6.6
30°-40°	1255.9	9.0
40°-50°	1903.0	13.6
50°-60°	2958.3	21.1
60°-70°	3601.6	25.7
70°-80°	2193.9	15.6
80°-90°	250.6	1.8
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°	14022.1	100.0
0°-180°	14022.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634842

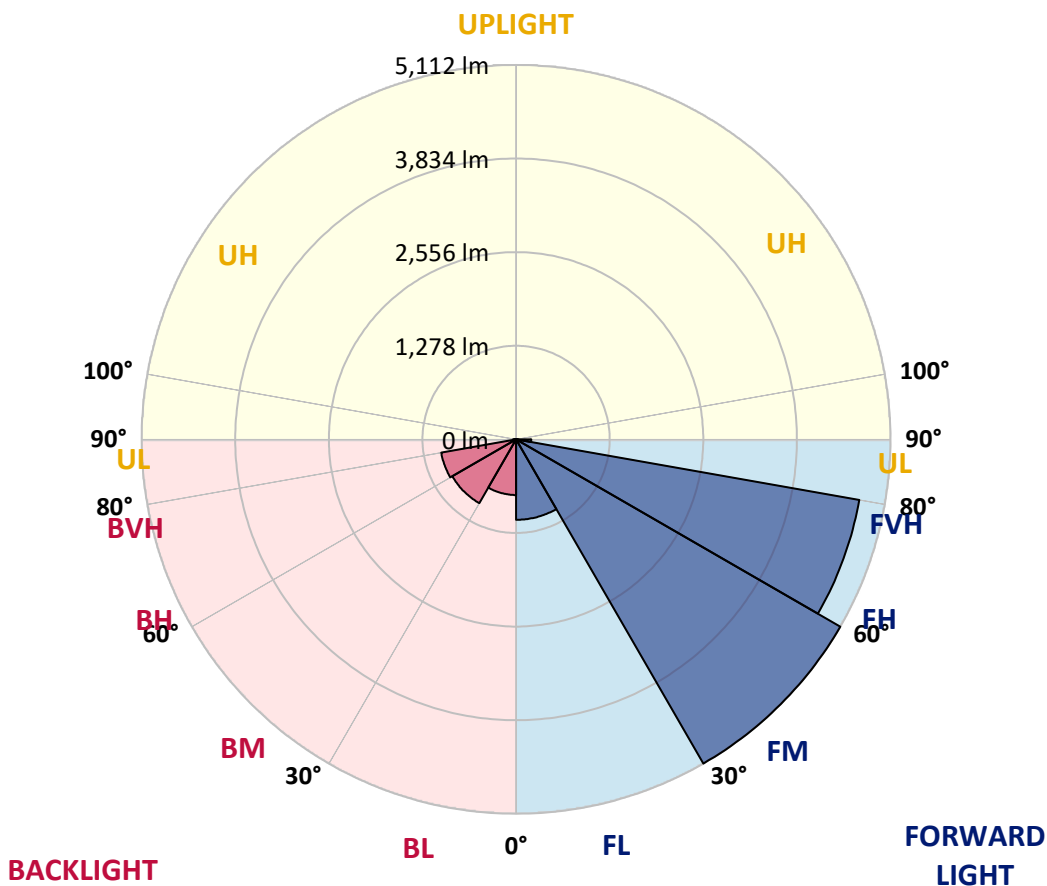
CATALOG NUMBER: GWS-SA3C-750-U-SL2-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1098.7	7.8			
FM (30°-60°)	5111.6	36.5			
FH (60°-80°)	4758.1	33.9			G2/5000
FVH (80°-90°)	208.4	1.5			G2/225
BL (0°-30°)	760.1	5.4	B2/1000		
BM (30°-60°)	1005.5	7.2	B2/2500		
BH (60°-80°)	1037.5	7.4	B3/2500		G3/2500
BVH (80°-90°)	42.3	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 II Short





REPORT NUMBER: P634842  
 CATALOG NUMBER: GWS-SA3C-750-U-SL2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5
2.5°	2902.1	2912.3	2906.2	2945.0	2947.1	2996.2	3023.8	3047.3	3049.4	3080.1	3100.5
5°	2703.6	2709.8	2709.8	2746.6	2771.1	2836.6	2900.0	2967.5	2972.7	3046.3	3102.6
7.5°	2543.0	2549.2	2545.1	2594.2	2625.9	2698.5	2779.3	2882.6	2892.9	3011.5	3109.7
10°	2417.2	2415.2	2425.4	2470.4	2511.3	2598.3	2688.3	2805.9	2821.3	2971.6	3117.9
12.5°	2331.3	2333.3	2339.5	2386.5	2430.5	2516.4	2609.5	2737.4	2753.8	2925.6	3113.8
15°	2290.4	2286.3	2291.4	2334.3	2376.3	2452.0	2548.1	2680.1	2696.5	2884.7	3114.9
17.5°	2281.2	2278.1	2277.1	2307.8	2339.5	2410.0	2502.1	2636.1	2653.5	2858.1	3121.0
20°	2309.8	2305.7	2294.5	2307.8	2321.1	2380.4	2469.4	2604.4	2623.8	2840.7	3133.3
22.5°	2388.6	2381.4	2364.0	2347.6	2330.3	2366.1	2448.9	2580.9	2600.3	2829.5	3145.5
25°	2508.2	2502.1	2483.7	2446.9	2383.5	2377.3	2444.8	2570.6	2590.1	2821.3	3150.7
27.5°	2672.9	2663.7	2645.3	2592.1	2488.8	2419.3	2460.2	2569.6	2588.0	2812.1	3145.5
30°	2868.3	2862.2	2852.0	2787.5	2649.4	2508.2	2495.0	2577.8	2592.1	2806.9	3135.3
32.5°	3066.8	3060.6	3068.8	3038.1	2868.3	2655.6	2570.6	2600.3	2610.5	2805.9	3126.1
35°	3241.7	3248.9	3308.2	3313.3	3146.6	2855.0	2690.3	2652.5	2654.5	2826.4	3130.2
37.5°	3424.8	3452.4	3530.2	3596.7	3457.5	3118.9	2868.3	2750.7	2748.6	2878.6	3155.8
40°	3667.2	3679.5	3778.7	3903.5	3816.6	3481.1	3121.0	2911.3	2897.0	2984.9	3224.3
42.5°	3903.5	3933.2	4091.8	4235.0	4206.3	3889.2	3439.1	3151.7	3126.1	3173.2	3365.5
45°	4204.3	4232.9	4410.9	4595.0	4647.2	4350.6	3846.3	3493.3	3467.8	3456.5	3624.3
47.5°	4505.0	4534.7	4694.3	4960.2	5143.3	4927.5	4376.1	3944.5	3902.5	3858.5	4015.0
50°	4707.6	4742.4	4894.8	5213.9	5643.6	5647.7	5004.2	4535.7	4482.5	4413.0	4565.4
52.5°	4700.4	4722.9	4868.2	5236.4	6003.6	6475.2	5845.1	5288.6	5245.6	5094.2	5227.2
55°	4331.1	4364.9	4511.2	4971.5	6042.5	7259.8	7080.8	6176.5	6099.8	5828.7	5975.0
57.5°	3589.5	3618.1	3765.4	4333.2	5697.8	7661.8	8650.0	7307.9	7202.5	6628.7	6797.4
60°	2709.8	2675.0	2744.5	3241.7	4873.3	7672.1	10035.0	8842.3	8666.3	7483.8	7625.0
62.5°	2033.6	1998.8	2014.2	2154.3	3304.1	7052.2	10824.8	10941.4	10650.9	8449.5	8421.9
65°	1607.0	1587.6	1631.6	1727.7	1926.2	5370.4	10830.9	13211.3	13028.2	9568.6	9239.2
67.5°	1309.4	1297.1	1342.1	1520.1	1562.0	2885.7	9711.8	14271.0	14342.6	10794.1	9997.2
70°	1054.7	1036.2	1106.8	1341.1	1452.6	1746.2	6957.0	13730.9	13846.5	11524.4	9783.4
72.5°	728.3	729.4	765.2	1086.4	1402.5	1507.8	3935.3	11433.4	11684.0	10862.6	8600.9
75°	491.0	495.1	505.3	717.1	1292.0	1462.8	2097.0	8656.1	8833.1	8978.3	7109.4
77.5°	296.7	298.7	322.2	433.7	891.0	1365.6	1420.9	6274.7	6413.8	5918.7	4406.8
80°	171.9	179.0	200.5	290.5	601.5	1026.0	1099.7	3847.3	4004.8	2631.0	1400.4
82.5°	75.7	80.8	109.5	168.8	350.9	872.6	858.2	1520.1	1497.6	733.4	485.9
85°	13.3	16.4	23.5	53.2	128.9	460.3	665.9	671.0	631.2	278.2	201.5
87.5°	0.0	0.0	0.0	0.0	0.0	3.1	100.2	180.0	179.0	78.8	69.6
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: P634842  
 CATALOG NUMBER: GWS-SA3C-750-U-SL2-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5	3098.5
2.5°	3113.8	3086.2	3110.8	3113.8	3108.7	3104.6	3073.9	3047.3	3044.3	3015.6	3015.6
5°	3125.1	3099.5	3111.8	3088.3	3051.4	3013.6	2948.1	2903.1	2882.6	2845.8	2845.8
7.5°	3140.4	3113.8	3099.5	3041.2	2955.3	2872.4	2767.1	2679.1	2643.3	2591.1	2589.1
10°	3154.7	3121.0	3071.9	2958.3	2821.3	2689.3	2535.9	2411.1	2326.2	2263.8	2263.8
12.5°	3153.7	3109.7	3012.6	2844.8	2655.6	2464.3	2259.7	2071.5	1958.9	1861.8	1855.6
15°	3151.7	3091.3	2936.9	2712.8	2462.2	2197.3	1919.0	1673.5	1506.8	1411.7	1403.5
17.5°	3149.6	3067.8	2852.0	2562.5	2226.9	1865.8	1498.6	1232.6	1093.5	1035.2	1037.3
20°	3149.6	3041.2	2760.9	2389.6	1955.9	1468.9	1099.7	906.3	871.5	874.6	877.7
22.5°	3140.4	3008.5	2659.6	2201.4	1654.1	1080.2	811.2	745.7	764.1	792.8	796.9
25°	3118.9	2954.3	2542.0	1992.7	1295.0	786.6	661.8	649.6	683.3	719.1	729.4
27.5°	3085.2	2891.9	2410.0	1748.2	953.4	632.2	582.1	581.0	607.6	634.2	643.4
30°	3049.4	2822.3	2270.9	1476.1	690.5	550.3	530.9	530.9	544.2	560.6	558.5
32.5°	3007.4	2751.7	2121.6	1192.7	562.6	504.3	498.2	495.1	497.1	503.3	503.3
35°	2971.6	2689.3	1968.1	893.0	504.3	478.7	472.6	465.4	462.4	458.3	460.3
37.5°	2958.3	2640.2	1809.6	673.1	475.7	460.3	450.1	439.9	432.7	430.7	429.6
40°	2979.8	2619.7	1651.0	554.4	455.2	440.9	429.6	416.3	410.2	410.2	410.2
42.5°	3063.7	2635.1	1489.4	501.2	440.9	424.5	408.2	395.9	393.8	395.9	396.9
45°	3217.1	2694.4	1321.6	474.6	428.6	408.2	388.7	379.5	379.5	381.6	381.6
47.5°	3491.3	2849.9	1155.9	458.3	416.3	394.9	374.4	365.2	364.2	366.2	366.2
50°	3965.9	3130.2	1006.6	447.0	407.1	384.6	364.2	351.9	348.8	347.8	347.8
52.5°	4564.4	3616.1	911.4	438.8	395.9	373.4	352.9	336.5	330.4	327.3	327.3
55°	5287.6	4263.6	911.4	432.7	381.6	360.1	336.5	320.2	311.0	306.9	306.9
57.5°	6107.0	5017.5	1069.0	427.6	370.3	344.7	319.2	302.8	292.6	286.4	286.4
60°	6940.6	5814.4	1458.7	420.4	360.1	325.3	299.7	284.4	271.1	263.9	262.9
62.5°	7805.0	6692.1	1972.2	424.5	352.9	306.9	279.3	261.9	250.6	243.5	242.4
65°	8596.8	7527.8	2421.3	456.2	353.9	290.5	255.7	240.4	231.2	222.0	221.0
67.5°	9268.9	7989.2	2106.2	520.7	375.4	271.1	232.2	216.9	208.7	202.5	201.5
70°	8798.3	7285.4	1194.8	560.6	405.1	250.6	205.6	195.4	187.2	183.1	182.1
72.5°	7523.7	6168.3	798.9	495.1	369.3	224.0	181.1	172.9	166.7	161.6	160.6
75°	6094.7	4891.7	610.7	406.1	287.4	182.1	155.5	149.3	143.2	138.1	137.1
77.5°	3605.9	2826.4	450.1	321.2	202.5	142.2	128.9	123.8	117.6	113.5	112.5
80°	1150.8	982.0	285.4	221.0	134.0	109.5	99.2	95.1	89.0	83.9	82.9
82.5°	438.8	379.5	151.4	112.5	89.0	74.7	66.5	62.4	58.3	53.2	52.2
85°	194.4	182.1	83.9	60.4	48.1	36.8	32.7	30.7	25.6	21.5	20.5
87.5°	68.5	68.5	35.8	17.4	10.2	5.1	3.1	1.0	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)