

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: P641802

Luminaire Tested: GWS-SA6B-750-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641802  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-750-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

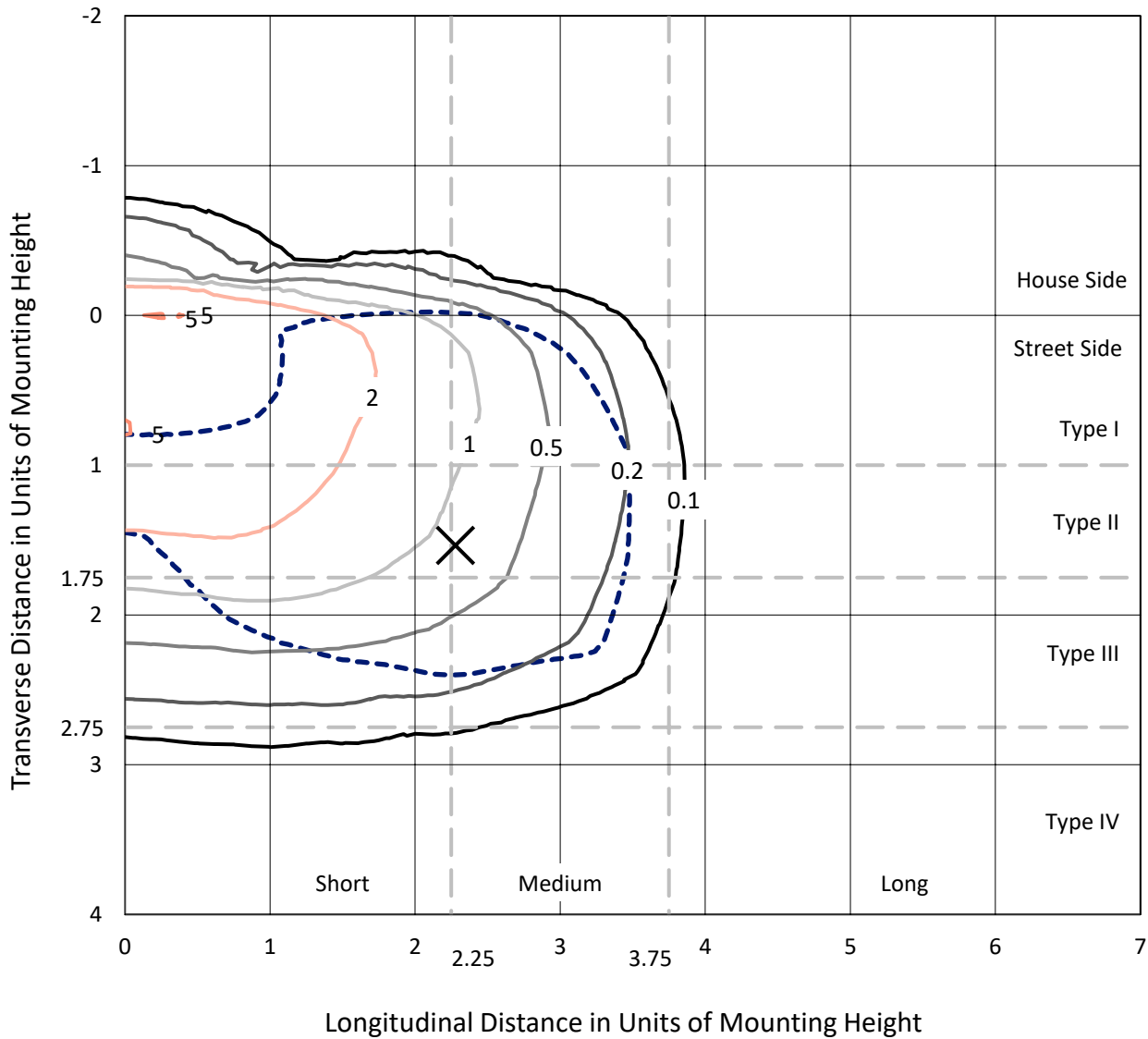
Lumens per Lamp: N/A  
Luminaire Lumens: 16954.2 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

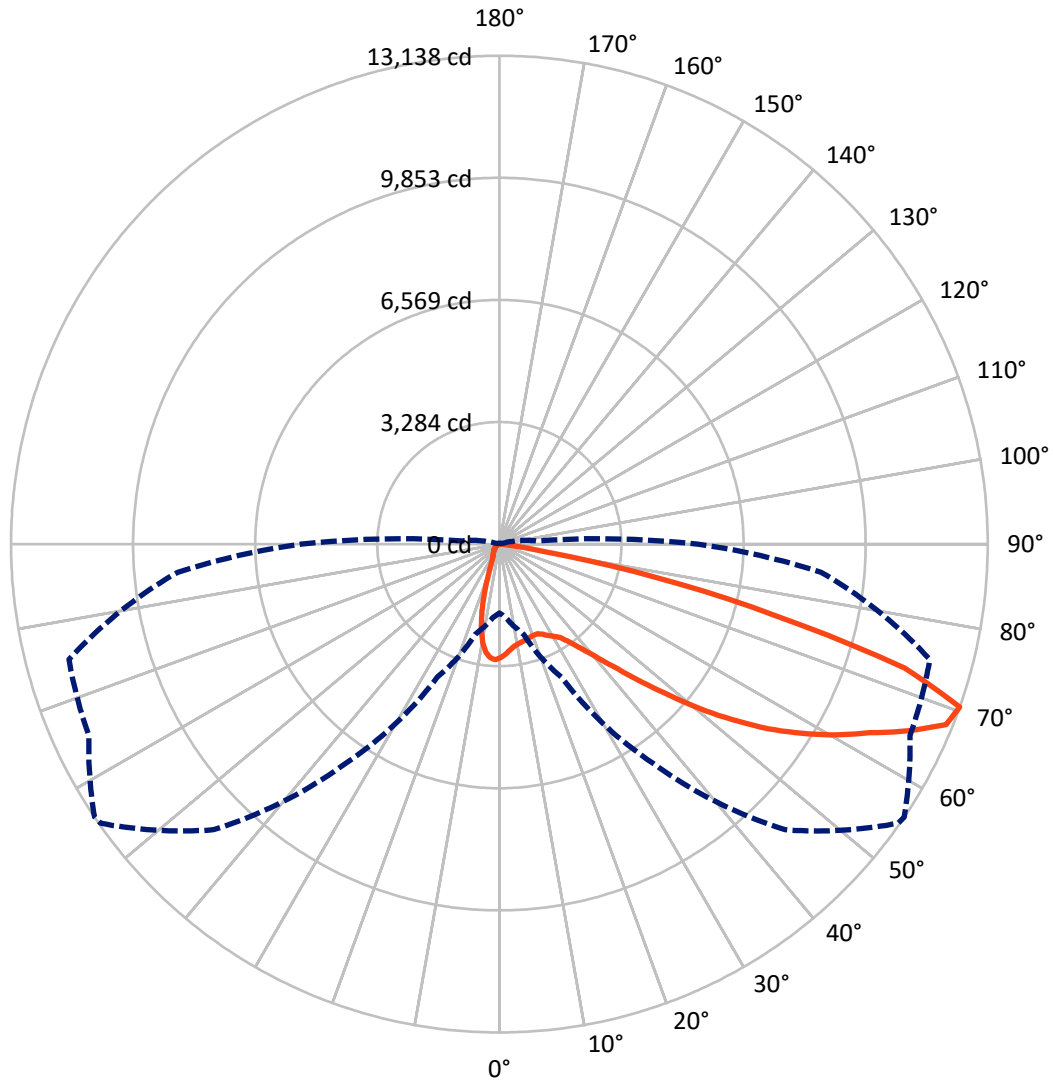
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1522.8	0.0	1522.8
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	15431.4	0.0	15431.4
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	16954.2	0.0	16954.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.5	1.5
10°-20°	590.3	3.5
20°-30°	935.1	5.5
30°-40°	1612.5	9.5
40°-50°	2723.0	16.1
50°-60°	4001.0	23.6
60°-70°	4743.4	28.0
70°-80°	2022.8	11.9
80°-90°	63.5	0.4
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°	16954.2	100.0
0°-180°	16954.2	100.0

**Coefficient of Utilization**



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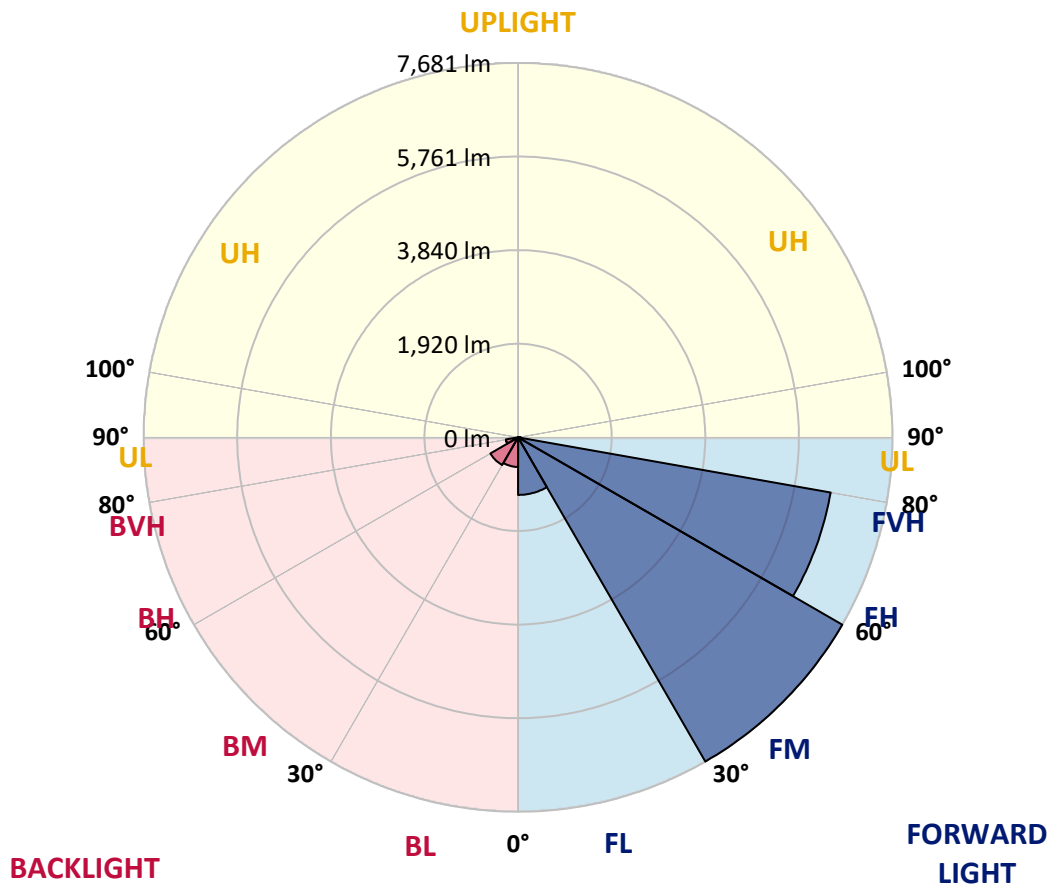
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1181.4	7.0			
FM (30°-60°)	7680.7	45.3			
FH (60°-80°)	6512.2	38.4			G3/7500
FVH (80°-90°)	57.1	0.3			G1/100
BL (0°-30°)	606.5	3.6	B2/1000		
BM (30°-60°)	655.9	3.9	B1/1000		
BH (60°-80°)	254.0	1.5	B1/500		G1/500
BVH (80°-90°)	6.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0
2.5°	2845.9	2841.2	2844.3	2867.6	2911.1	2931.3	2965.4	2971.6	2999.6	3035.3	3049.2
5°	2661.1	2645.6	2653.3	2685.9	2735.6	2791.5	2855.2	2872.3	2942.1	3021.3	3080.3
7.5°	2491.9	2474.8	2493.4	2544.7	2614.5	2675.1	2769.8	2780.7	2892.4	3032.2	3139.3
10°	2226.4	2231.0	2268.3	2358.4	2465.5	2591.2	2718.6	2734.1	2872.3	3067.9	3234.0
12.5°	2023.0	2012.1	2052.5	2155.0	2305.6	2488.8	2679.7	2699.9	2873.8	3122.2	3355.1
15°	1928.3	1925.2	1942.3	2016.8	2162.7	2378.5	2644.0	2670.4	2894.0	3171.9	3470.0
17.5°	1931.4	1926.7	1925.2	1968.7	2077.3	2296.3	2605.2	2639.4	2911.1	3226.2	3591.1
20°	2066.5	2044.7	2005.9	1985.7	2050.9	2243.5	2578.8	2617.6	2935.9	3283.7	3720.0
22.5°	2349.0	2356.8	2252.8	2144.1	2113.0	2249.7	2575.7	2620.7	2990.3	3373.7	3878.3
25°	2914.2	2901.8	2709.2	2465.5	2296.3	2321.1	2630.1	2684.4	3097.4	3502.6	4027.4
27.5°	3622.1	3633.0	3369.1	2980.9	2627.0	2468.6	2729.4	2783.8	3221.6	3583.3	4126.7
30°	4393.8	4382.9	4100.3	3670.3	3095.8	2713.9	2828.8	2876.9	3283.7	3626.8	4229.2
32.5°	5123.5	5098.6	4819.2	4368.9	3693.6	3100.5	2965.4	2993.4	3366.0	3721.5	4367.4
35°	5746.1	5744.5	5500.8	5021.0	4308.4	3584.9	3199.8	3223.1	3519.7	3872.1	4570.8
37.5°	6388.8	6367.1	6093.8	5656.0	4940.3	4115.9	3558.5	3549.2	3761.9	4094.1	4820.7
40°	6916.7	6902.7	6693.1	6272.4	5597.0	4702.7	3993.2	3965.3	4049.1	4401.5	5168.5
42.5°	7308.0	7309.5	7244.3	6988.1	6292.6	5381.2	4539.7	4496.2	4494.7	4865.8	5628.1
45°	7604.5	7624.7	7722.5	7683.7	7113.9	6171.5	5239.9	5194.9	5118.8	5468.2	6154.4
47.5°	7742.7	7769.1	8064.1	8219.3	7832.7	6955.5	6073.7	5979.0	5829.9	6269.3	6742.8
50°	7728.7	7775.3	8186.7	8658.7	8484.8	7750.4	6981.9	6936.9	6693.1	7117.0	7325.0
52.5°	7412.0	7511.3	8194.5	8925.7	8986.3	8483.2	7921.2	7837.4	7719.4	8002.0	7871.5
55°	6551.9	6673.0	7866.9	9011.1	9377.5	9122.9	8840.3	8772.0	8576.4	8837.2	8348.2
57.5°	6084.5	6188.5	7177.5	8969.2	9709.8	9714.4	9658.5	9602.7	9441.2	9663.2	8907.1
60°	5803.5	5907.5	6809.6	8815.5	10011.0	10338.6	10427.1	10420.9	10188.0	10602.5	9562.3
62.5°	5392.1	5534.9	6426.1	8416.5	10225.2	10953.4	11220.4	11178.5	10919.2	11580.6	10211.3
65°	4561.5	4685.7	5640.5	7758.2	10099.5	11462.6	12080.6	12102.3	11802.6	12501.3	10723.6
67.5°	3198.3	3289.9	4238.5	6376.4	9245.6	11630.3	12960.9	12959.3	12448.5	12973.3	10496.9
70°	1853.8	1979.5	2504.3	3942.0	7193.1	10868.0	13092.8	13137.9	12186.1	11987.4	8686.6
72.5°	717.3	821.3	1419.1	2094.4	3751.0	8324.9	11262.4	11394.3	10198.8	9247.1	6045.7
75°	214.3	239.1	667.6	1114.7	1506.0	4021.2	7624.7	7661.9	6995.9	5767.8	3098.9
77.5°	159.9	177.0	291.9	563.6	527.9	1218.8	3945.1	4308.4	3713.8	2060.3	853.9
80°	108.7	128.9	208.0	274.8	195.6	324.5	1108.5	1217.2	1133.4	462.7	214.3
82.5°	48.1	62.1	147.5	138.2	71.4	93.2	341.6	363.3	234.4	139.7	74.5
85°	4.7	6.2	55.9	60.6	26.4	21.7	71.4	71.4	51.2	48.1	31.1
87.5°	0.0	0.0	1.6	3.1	3.1	4.7	6.2	7.8	9.3	12.4	15.5
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°	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0	3057.0
2.5°	3085.0	3066.3	3089.6	3108.2	3112.9	3078.7	3058.6	3029.1	3022.9	3024.4	3016.6
5°	3126.9	3117.6	3134.6	3114.5	3061.7	2962.3	2876.9	2782.2	2731.0	2701.5	2698.4
7.5°	3204.5	3199.8	3181.2	3089.6	2925.0	2704.6	2491.9	2283.8	2155.0	2108.4	2100.6
10°	3319.4	3310.1	3234.0	3016.6	2665.8	2241.9	1884.8	1586.7	1405.1	1352.3	1287.1
12.5°	3451.4	3432.7	3266.6	2859.8	2274.5	1687.6	1242.1	908.3	751.4	704.9	704.9
15°	3578.7	3538.3	3248.0	2600.6	1793.2	1097.7	694.0	524.8	476.6	464.2	464.2
17.5°	3709.1	3631.5	3175.0	2246.6	1239.0	649.0	462.7	430.1	423.9	425.4	427.0
20°	3831.7	3710.6	3046.1	1821.2	790.3	453.4	414.5	406.8	403.7	406.8	405.2
22.5°	3965.3	3783.6	2850.5	1356.9	513.9	408.3	394.4	388.1	385.0	389.7	389.7
25°	4097.2	3836.4	2591.2	912.9	408.3	380.4	372.6	366.4	363.3	364.9	364.9
27.5°	4165.5	3816.2	2251.2	582.2	366.4	352.4	344.7	336.9	332.3	330.7	332.3
30°	4212.1	3754.1	1835.1	414.5	332.3	315.2	307.4	301.2	288.8	281.0	284.1
32.5°	4285.1	3692.0	1383.3	347.8	304.3	277.9	265.5	250.0	232.9	225.1	225.1
35°	4372.0	3606.6	970.4	313.6	274.8	246.9	223.6	197.2	177.0	170.8	170.8
37.5°	4486.9	3525.9	645.9	290.3	250.0	220.5	187.9	156.8	135.1	132.0	130.4
40°	4659.3	3457.6	454.9	273.3	228.2	192.5	153.7	121.1	105.6	100.9	100.9
42.5°	4882.8	3387.7	360.2	256.2	209.6	166.1	122.7	96.3	83.8	80.7	79.2
45°	5159.2	3305.4	313.6	240.6	191.0	138.2	97.8	80.7	71.4	68.3	68.3
47.5°	5458.8	3193.6	291.9	220.5	169.2	111.8	82.3	69.9	65.2	63.7	62.1
50°	5753.8	3043.0	273.3	201.8	144.4	91.6	71.4	63.7	60.6	59.0	59.0
52.5°	6011.6	2867.6	250.0	180.1	118.0	79.2	63.7	59.0	55.9	52.8	51.2
55°	6232.0	2676.6	220.5	155.3	96.3	69.9	59.0	54.3	51.2	48.1	46.6
57.5°	6516.1	2568.0	177.0	125.8	79.2	62.1	54.3	49.7	46.6	41.9	41.9
60°	6831.3	2488.8	132.0	99.4	68.3	57.4	49.7	45.0	41.9	37.3	37.3
62.5°	7084.4	2370.8	104.0	80.7	59.0	51.2	45.0	40.4	37.3	32.6	32.6
65°	7180.6	2127.0	85.4	63.7	48.1	45.0	40.4	37.3	32.6	27.9	27.9
67.5°	6745.9	1639.5	71.4	51.2	40.4	38.8	35.7	34.2	27.9	24.8	23.3
70°	5342.4	999.9	59.0	41.9	34.2	32.6	32.6	29.5	24.8	23.3	21.7
72.5°	3661.0	515.5	48.1	34.2	29.5	29.5	27.9	26.4	23.3	21.7	21.7
75°	1901.9	172.3	37.3	26.4	23.3	24.8	24.8	23.3	21.7	21.7	20.2
77.5°	545.0	77.6	27.9	20.2	18.6	18.6	20.2	20.2	20.2	18.6	18.6
80°	141.3	45.0	20.2	15.5	15.5	15.5	15.5	17.1	18.6	17.1	17.1
82.5°	57.4	24.8	14.0	12.4	12.4	12.4	12.4	14.0	15.5	15.5	15.5
85°	35.7	12.4	10.9	10.9	10.9	9.3	9.3	10.9	10.9	12.4	12.4
87.5°	21.7	9.3	9.3	9.3	9.3	7.8	7.8	7.8	7.8	7.8	7.8
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)