

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: P635859

Luminaire Tested: GWS-SA3E-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22510.8 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

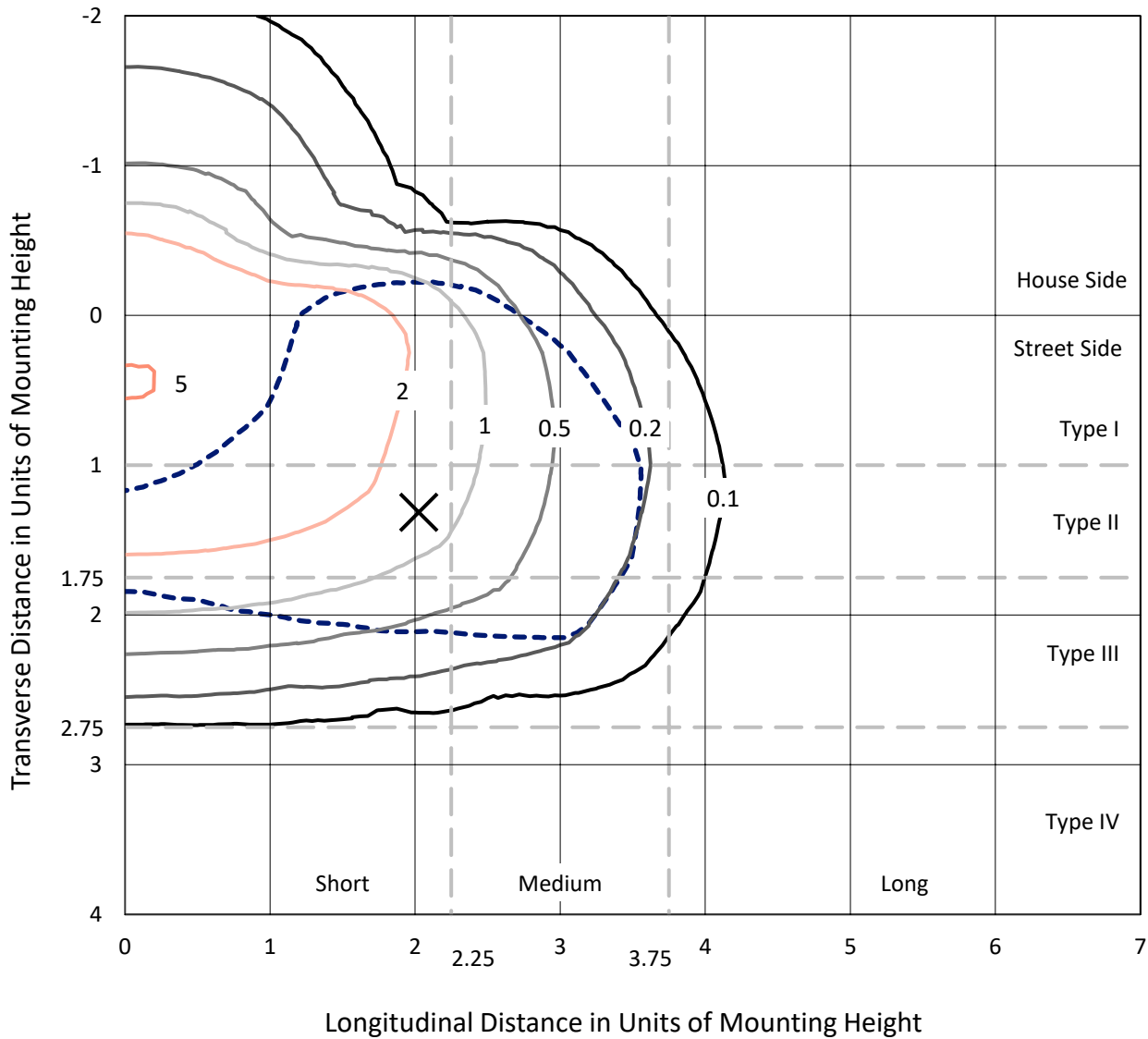
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

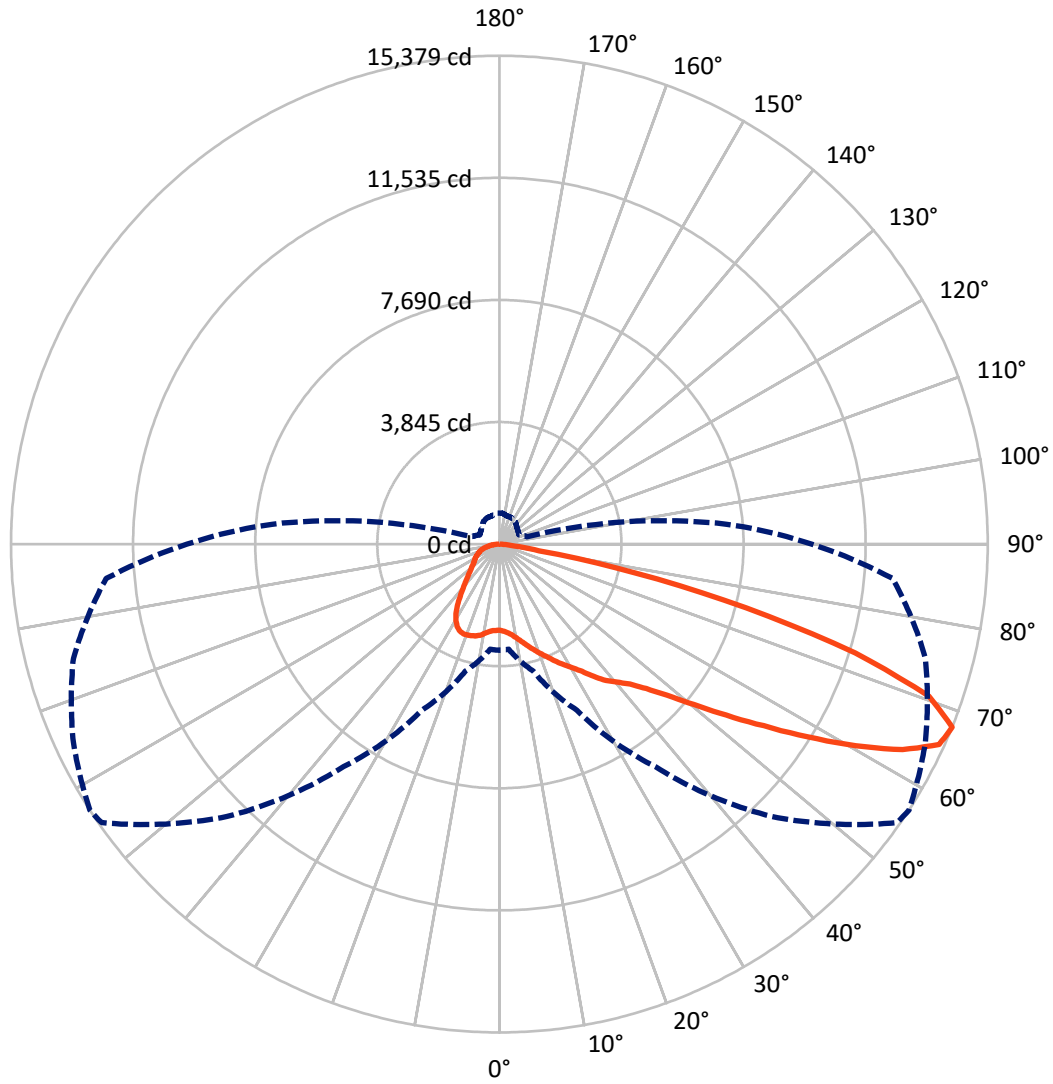
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4949.3	0.0	4949.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	17561.5	0.0	17561.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	22510.8	0.0	22510.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.0	1.2
10°-20°	890.6	4.0
20°-30°	1587.7	7.1
30°-40°	2308.3	10.3
40°-50°	3341.0	14.8
50°-60°	5228.5	23.2
60°-70°	6099.3	27.1
70°-80°	2546.1	11.3
80°-90°	240.3	1.1
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°	22510.8	100.0
0°-180°	22510.8	100.0

Coefficient of Utilization



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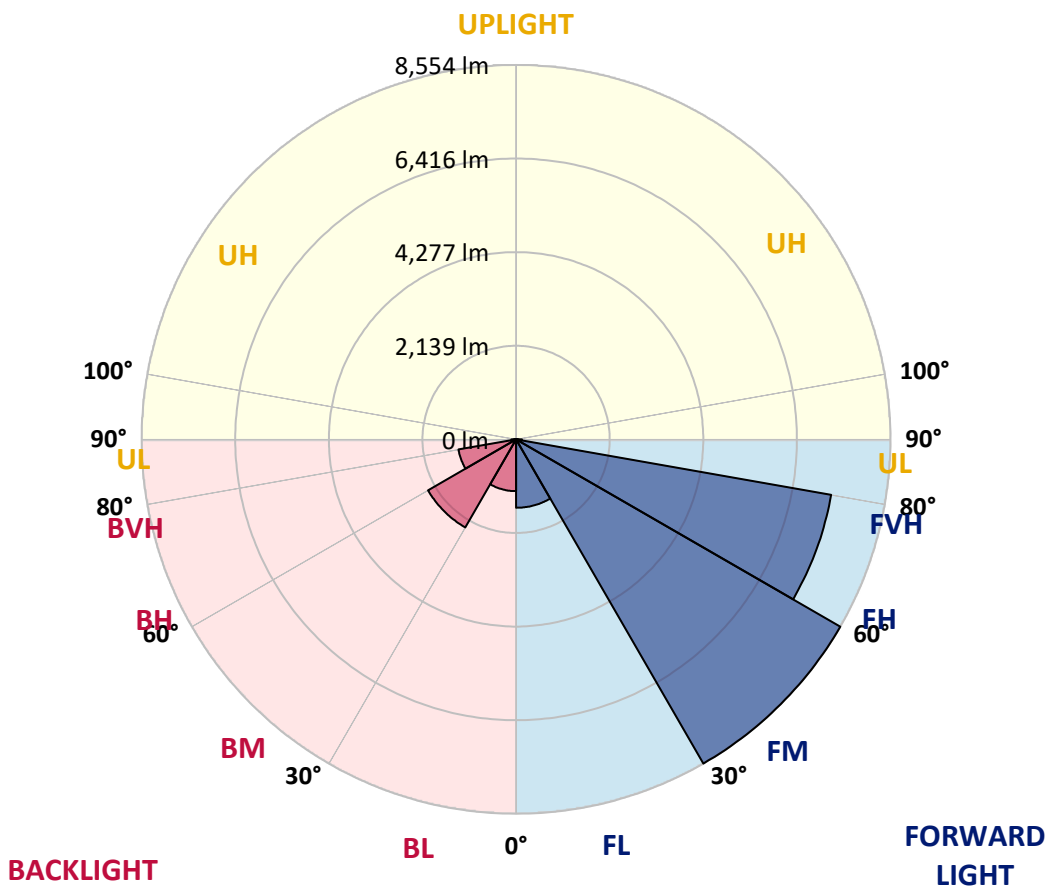
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1563.6	6.9			
FM (30°-60°)	8554.4	38.0			
FH (60°-80°)	7309.6	32.5			G3/7500
FVH (80°-90°)	133.9	0.6			G2/225
BL (0°-30°)	1183.7	5.3	B3/2500		
BM (30°-60°)	2323.3	10.3	B2/2500		
BH (60°-80°)	1335.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	106.4	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4
2.5°	2751.1	2747.9	2746.3	2755.9	2752.7	2751.1	2751.1	2749.5	2746.3	2733.4	2715.6
5°	2826.9	2820.4	2814.0	2822.1	2815.6	2809.2	2807.5	2804.3	2793.0	2773.7	2746.3
7.5°	2905.9	2899.5	2901.1	2905.9	2901.1	2897.8	2893.0	2889.8	2872.0	2841.4	2804.3
10°	3017.2	3017.2	3020.4	3025.2	3026.9	3022.0	3012.3	3007.5	2986.5	2947.8	2896.2
12.5°	3178.4	3175.2	3175.2	3172.0	3176.8	3172.0	3162.3	3154.3	3128.4	3078.5	3004.3
15°	3391.3	3378.4	3367.1	3346.2	3339.7	3322.0	3325.2	3320.3	3296.2	3228.4	3134.9
17.5°	3618.7	3617.1	3599.3	3557.4	3515.5	3486.4	3492.9	3491.3	3478.4	3386.5	3267.1
20°	3818.6	3826.7	3810.6	3778.3	3721.9	3667.1	3663.8	3671.9	3655.8	3563.9	3397.8
22.5°	4042.8	4036.3	4020.2	3978.3	3936.4	3878.3	3859.0	3852.5	3846.1	3741.2	3531.6
25°	4255.7	4275.0	4254.0	4215.3	4150.8	4087.9	4071.8	4078.3	4060.5	3921.9	3675.1
27.5°	4525.0	4533.0	4520.1	4466.9	4412.1	4323.4	4292.7	4292.7	4286.3	4091.2	3788.0
30°	4812.0	4834.6	4812.0	4768.5	4712.0	4584.6	4518.5	4512.1	4492.7	4265.3	3920.2
32.5°	5100.7	5116.8	5100.7	5058.7	4994.2	4883.0	4787.8	4773.3	4747.5	4455.6	4055.7
35°	5357.1	5371.6	5368.4	5378.0	5324.8	5184.5	5126.5	5120.0	5052.3	4704.0	4239.5
37.5°	5637.7	5655.4	5631.2	5650.6	5629.6	5497.4	5479.6	5447.4	5350.6	4937.8	4433.0
40°	5957.0	5973.1	5934.4	5942.4	5918.3	5844.1	5753.8	5710.2	5566.7	5191.0	4737.8
42.5°	6298.8	6335.9	6353.7	6339.1	6282.7	6240.8	6082.7	6027.9	5908.6	5647.3	5239.3
45°	6793.9	6848.7	6874.5	6837.4	6813.2	6753.6	6560.1	6494.0	6431.1	6290.8	5939.2
47.5°	7327.7	7377.7	7459.9	7476.0	7495.4	7450.2	7177.7	7113.2	7124.5	7108.4	6800.3
50°	7753.4	7795.3	7980.8	8179.1	8343.6	8356.5	8008.2	7938.8	8000.1	8051.7	7837.3
52.5°	8063.0	8100.1	8345.2	8754.8	9127.3	9403.1	9027.4	8948.3	8998.3	9114.4	9016.1
55°	8314.6	8366.2	8622.6	9251.5	10004.6	10440.0	10199.7	10099.7	10078.8	10222.3	10278.7
57.5°	8446.8	8462.9	8822.6	9640.1	10648.0	11457.5	11562.4	11449.5	11249.5	11328.5	11622.0
60°	8145.3	8172.7	8664.5	9740.1	11156.0	12467.0	12992.7	12899.2	12473.5	12517.0	12841.2
62.5°	7311.5	7350.2	7942.1	9264.4	11197.9	13141.1	14313.5	14253.8	13682.9	13447.5	13544.3
65°	5865.0	5877.9	6490.7	8087.2	10364.2	13225.0	15234.3	15219.7	14527.9	13976.4	13562.0
67.5°	3344.5	3322.0	4141.2	5768.3	8553.2	12134.8	15293.9	15379.4	14802.1	13889.3	12433.2
70°	1449.7	1453.0	1830.3	2846.2	5536.1	9807.9	14205.4	14352.2	14008.7	12439.6	9891.7
72.5°	670.8	680.5	843.4	1232.0	2364.1	6084.4	11583.3	11715.6	11420.5	9956.2	7197.0
75°	474.1	482.2	562.8	706.3	1086.9	2370.5	7748.6	8025.9	8169.4	7447.0	4742.7
77.5°	359.6	370.9	411.2	490.2	670.8	840.2	3707.4	4368.5	5203.9	4633.0	2443.1
80°	229.0	229.0	272.5	327.4	409.6	437.0	1070.8	1269.1	2546.3	1909.3	959.5
82.5°	154.8	159.6	185.4	208.0	235.4	248.3	459.6	490.2	735.3	649.9	395.1
85°	82.2	85.5	96.8	95.1	112.9	98.4	193.5	191.9	269.3	295.1	150.0
87.5°	0.0	0.0	1.6	1.6	3.2	4.8	21.0	22.6	56.4	90.3	50.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4	2712.4
2.5°	2725.3	2705.9	2715.6	2712.4	2722.1	2722.1	2704.3	2699.5	2701.1	2681.8	2675.3
5°	2749.5	2726.9	2731.7	2725.3	2735.0	2743.0	2735.0	2735.0	2744.7	2730.1	2722.1
7.5°	2804.3	2778.5	2778.5	2770.5	2781.7	2788.2	2781.7	2791.4	2809.2	2794.6	2786.6
10°	2891.4	2860.8	2862.4	2852.7	2857.5	2854.3	2828.5	2820.4	2825.3	2812.4	2805.9
12.5°	3004.3	2962.4	2962.4	2943.0	2931.7	2897.8	2844.6	2825.3	2828.5	2817.2	2812.4
15°	3112.3	3073.6	3065.6	3026.9	2975.3	2912.4	2864.0	2851.1	2854.3	2843.0	2835.0
17.5°	3239.7	3189.7	3160.7	3089.7	2994.6	2930.1	2881.7	2851.1	2825.3	2799.5	2793.0
20°	3357.4	3294.5	3241.3	3131.7	3015.6	2926.9	2836.6	2760.8	2697.9	2664.0	2656.0
22.5°	3478.4	3397.8	3304.2	3160.7	3014.0	2868.8	2702.7	2588.2	2494.7	2444.7	2454.4
25°	3592.9	3491.3	3363.9	3188.1	2962.4	2739.8	2514.0	2343.1	2236.7	2198.0	2186.7
27.5°	3688.0	3562.2	3418.7	3175.2	2855.9	2554.4	2256.0	2065.7	1962.5	1919.0	1907.7
30°	3794.5	3652.5	3497.7	3115.5	2688.2	2294.7	1964.2	1809.3	1735.2	1693.2	1694.8
32.5°	3917.0	3768.7	3609.0	3001.1	2473.7	2014.1	1723.9	1617.4	1557.8	1515.8	1509.4
35°	4081.5	3934.8	3683.2	2828.5	2201.2	1756.1	1559.4	1472.3	1398.1	1343.3	1332.0
37.5°	4284.7	4184.7	3691.2	2597.9	1909.3	1578.7	1441.7	1348.1	1257.8	1185.3	1177.2
40°	4633.0	4518.5	3625.1	2309.2	1661.0	1464.2	1343.3	1235.3	1130.4	1049.8	1038.5
42.5°	5129.7	4894.2	3483.2	1983.5	1473.9	1373.9	1249.8	1112.7	1006.3	949.8	941.8
45°	5761.8	5313.5	3270.4	1677.1	1335.2	1285.2	1151.4	1007.9	951.4	911.1	903.1
47.5°	6535.9	5802.1	3025.2	1438.4	1227.2	1204.6	1051.4	972.4	922.4	888.5	880.5
50°	7461.5	6424.6	2823.7	1251.4	1130.4	1111.1	1019.2	951.4	911.1	883.7	877.3
52.5°	8517.8	7116.4	2725.3	1117.5	1046.6	1027.2	1007.9	946.6	912.7	891.8	883.7
55°	9614.3	7845.3	2633.4	1014.3	975.6	986.9	1009.5	962.7	936.9	909.5	901.4
57.5°	10673.8	8529.1	2407.6	933.7	924.0	967.6	1017.6	978.8	948.2	920.8	911.1
60°	11404.3	8903.2	2025.4	869.2	885.3	943.4	996.6	954.7	916.0	904.7	899.8
62.5°	11601.1	8858.0	1572.3	803.1	838.6	890.2	941.8	914.3	874.0	891.8	893.4
65°	11141.5	8374.2	1180.4	738.6	777.3	820.8	885.3	874.0	859.5	907.9	909.5
67.5°	9840.1	7185.8	899.8	682.1	714.4	767.6	867.6	914.3	917.6	978.8	972.4
70°	7445.4	5368.4	704.7	628.9	666.0	767.6	924.0	945.0	906.3	962.7	949.8
72.5°	5147.4	3542.9	599.9	582.1	606.3	732.1	922.4	922.4	880.5	880.5	856.3
75°	3197.8	2083.5	522.5	522.5	522.5	640.2	896.6	849.8	775.7	741.8	722.4
77.5°	1578.7	1012.7	438.6	454.8	437.0	535.4	732.1	695.0	649.9	614.4	601.5
80°	674.1	506.4	354.8	372.5	351.5	403.2	580.5	572.5	528.9	482.2	467.7
82.5°	309.6	261.2	283.8	291.9	256.4	303.2	424.1	424.1	399.9	335.4	311.2
85°	132.2	138.7	196.7	196.7	161.3	170.9	227.4	216.1	193.5	158.0	145.1
87.5°	45.2	67.7	100.0	87.1	33.9	14.5	8.1	3.2	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)