

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: P633852

Luminaire Tested: GWS-SA2F-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633852
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-SA2F-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16307.1 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 124.5
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

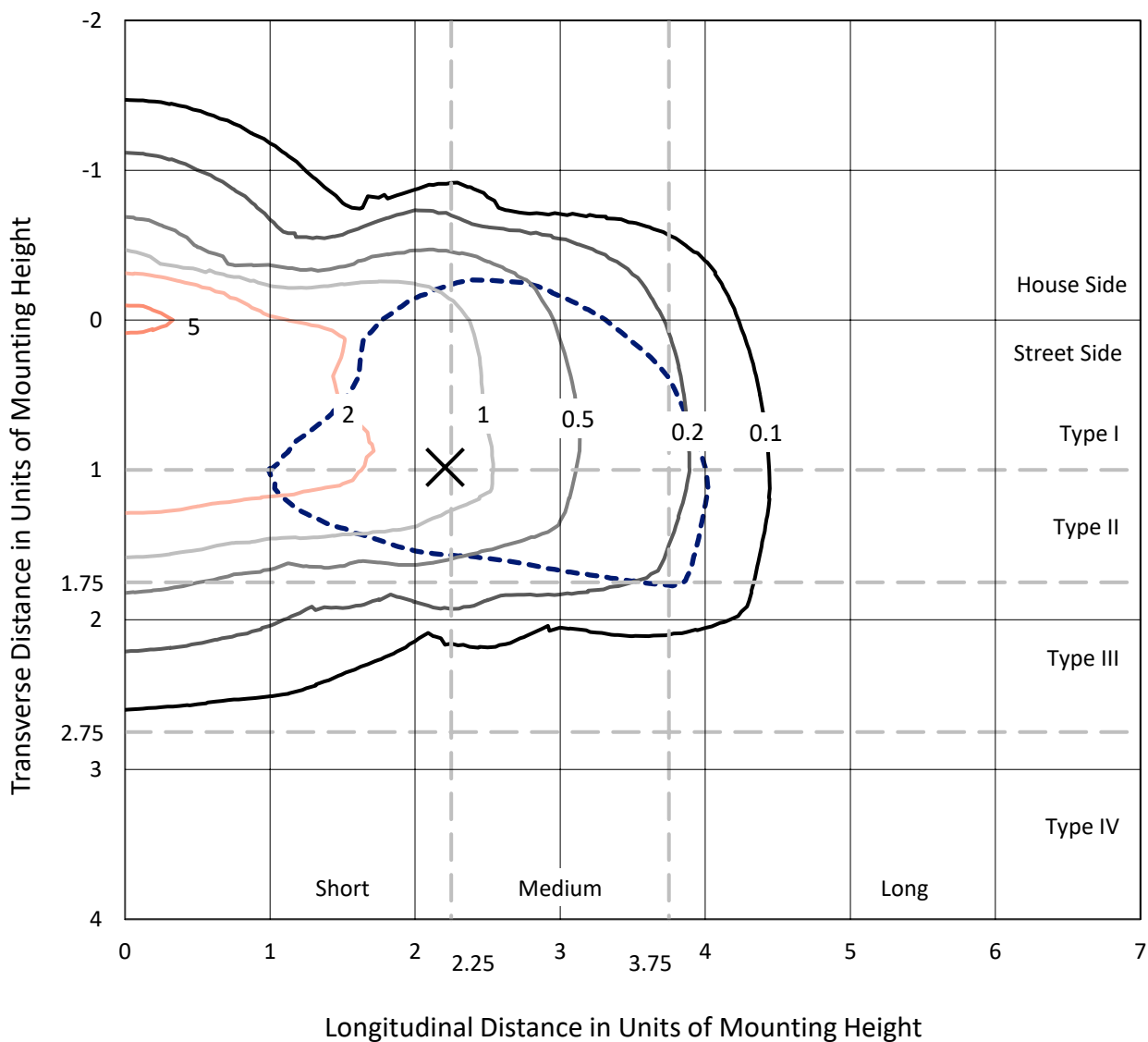


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Iso-Footcandle Lines of Horizontal Illumination

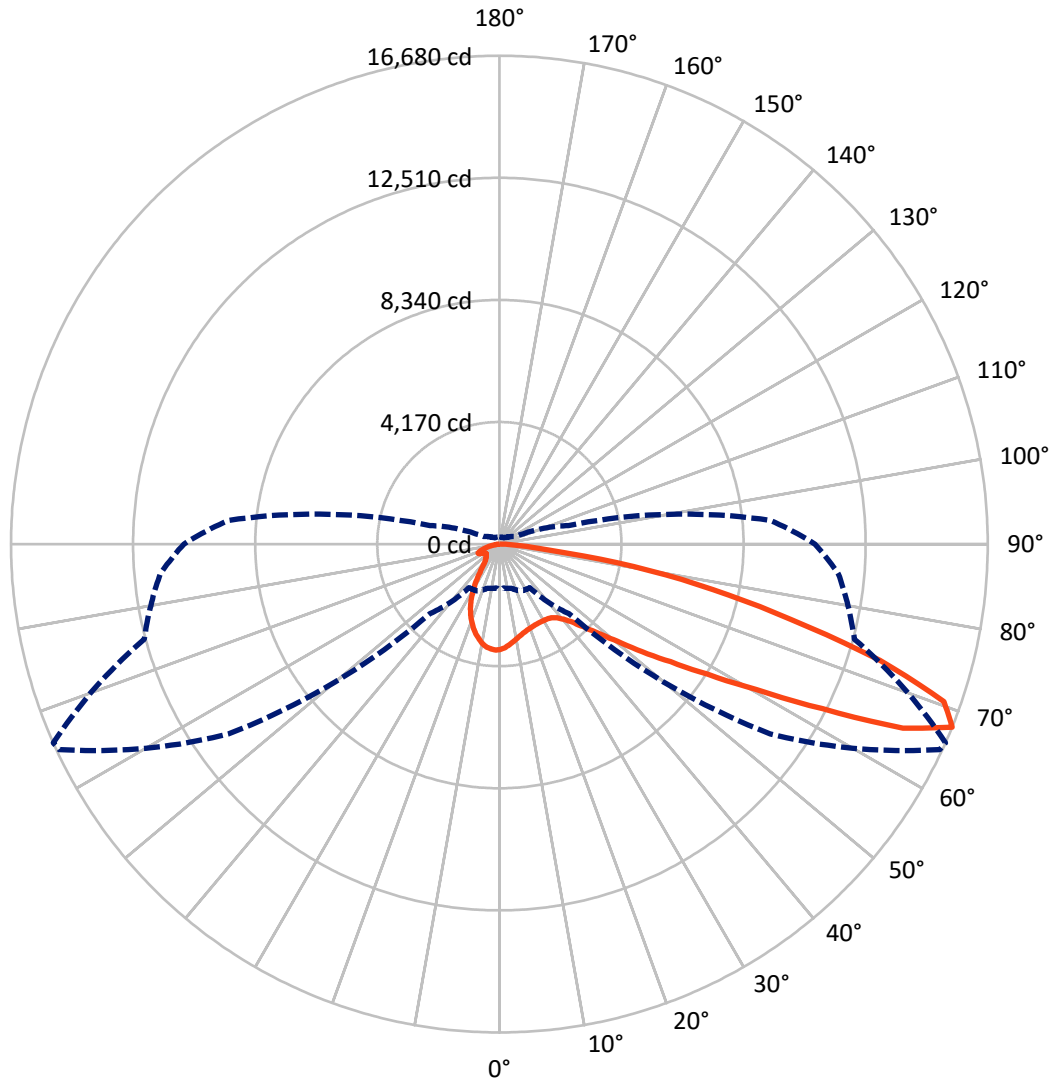
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3309.1	0.0	3309.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	12998.0	0.0	12998.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	16307.1	0.0	16307.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.2	1.9
10°-20°	777.2	4.8
20°-30°	1068.3	6.6
30°-40°	1460.5	9.0
40°-50°	2213.1	13.6
50°-60°	3440.3	21.1
60°-70°	4188.5	25.7
70°-80°	2551.4	15.6
80°-90°	291.4	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°	16307.1	100.0
0°-180°	16307.1	100.0

Coefficient of Utilization



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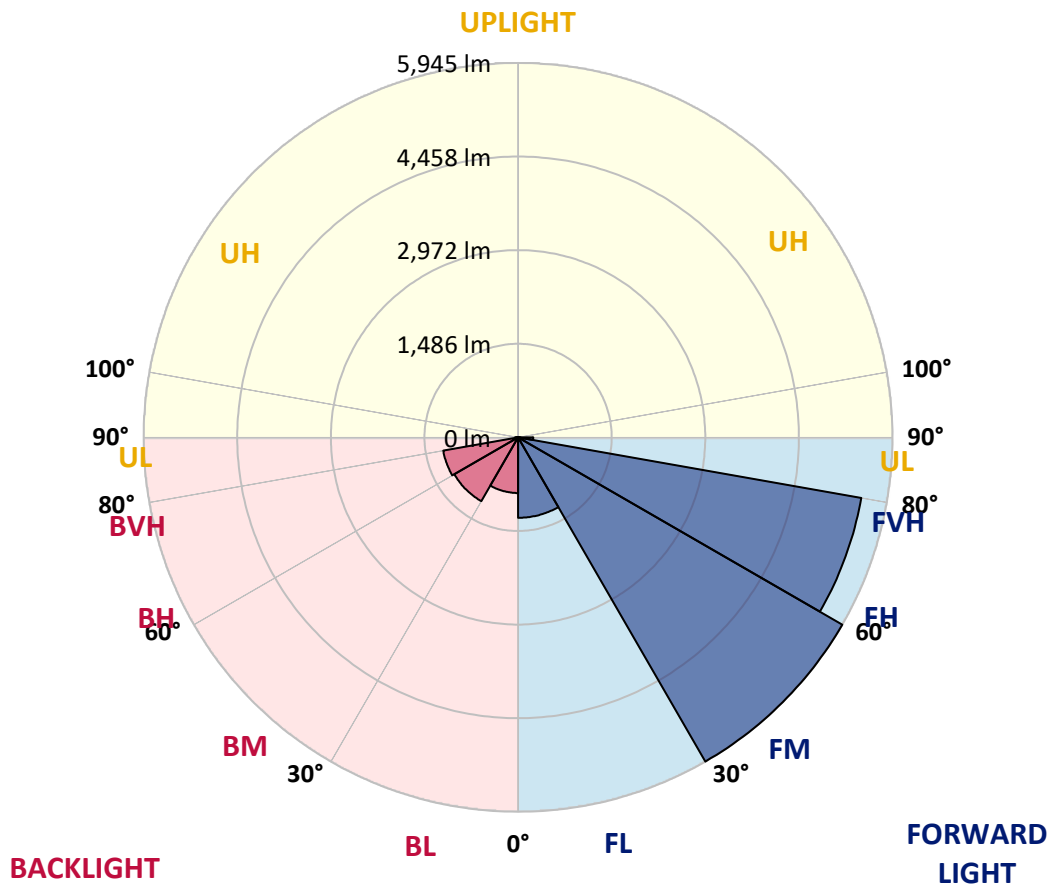
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1277.7	7.8			
FM (30°-60°)	5944.6	36.5			
FH (60°-80°)	5533.4	33.9			G3/7500
FVH (80°-90°)	242.3	1.5			G3/500
BL (0°-30°)	884.0	5.4	B2/1000		
BM (30°-60°)	1169.4	7.2	B2/2500		
BH (60°-80°)	1206.6	7.4	B3/2500		G3/2500
BVH (80°-90°)	49.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4
2.5°	3375.0	3386.9	3379.8	3425.0	3427.3	3484.4	3516.6	3543.9	3546.3	3582.0	3605.8
5°	3144.2	3151.3	3151.3	3194.2	3222.7	3298.9	3372.6	3451.1	3457.1	3542.7	3608.2
7.5°	2957.4	2964.6	2959.8	3016.9	3053.8	3138.3	3232.2	3352.4	3364.3	3502.3	3616.5
10°	2811.1	2808.7	2820.6	2873.0	2920.6	3021.7	3126.4	3263.2	3281.0	3455.9	3626.0
12.5°	2711.2	2713.6	2720.7	2775.4	2826.6	2926.5	3034.8	3183.5	3202.5	3402.4	3621.3
15°	2663.6	2658.8	2664.8	2714.7	2763.5	2851.6	2963.4	3116.8	3135.9	3354.8	3622.4
17.5°	2652.9	2649.3	2648.1	2683.8	2720.7	2802.8	2909.8	3065.7	3085.9	3323.8	3629.6
20°	2686.2	2681.4	2668.4	2683.8	2699.3	2768.3	2871.8	3028.8	3051.4	3303.6	3643.9
22.5°	2777.8	2769.5	2749.2	2730.2	2710.0	2751.6	2848.0	3001.5	3024.1	3290.5	3658.1
25°	2917.0	2909.8	2888.4	2845.6	2771.9	2764.7	2843.2	2989.6	3012.2	3281.0	3664.1
27.5°	3108.5	3097.8	3076.4	3014.5	2894.4	2813.5	2861.1	2988.4	3009.8	3270.3	3658.1
30°	3335.7	3328.6	3316.7	3241.8	3081.2	2917.0	2901.5	2997.9	3014.5	3264.4	3646.2
32.5°	3566.5	3559.4	3568.9	3533.2	3335.7	3088.3	2989.6	3024.1	3035.9	3263.2	3635.5
35°	3770.0	3778.3	3847.3	3853.2	3659.3	3320.3	3128.7	3084.7	3087.1	3287.0	3640.3
37.5°	3982.9	4015.0	4105.4	4182.8	4021.0	3627.2	3335.7	3198.9	3196.6	3347.6	3670.0
40°	4264.8	4279.1	4394.5	4539.6	4438.5	4048.3	3629.6	3385.7	3369.0	3471.4	3749.7
42.5°	4539.6	4574.1	4758.5	4925.1	4891.8	4523.0	3999.6	3665.3	3635.5	3690.2	3913.9
45°	4889.4	4922.7	5129.7	5343.8	5404.5	5059.5	4473.0	4062.6	4032.9	4019.8	4214.9
47.5°	5239.2	5273.7	5459.2	5768.5	5981.5	5730.5	5089.3	4587.2	4538.5	4487.3	4669.3
50°	5474.7	5515.2	5692.4	6063.6	6563.2	6568.0	5819.7	5274.8	5213.0	5132.1	5309.3
52.5°	5466.4	5492.5	5661.5	6089.7	6982.0	7530.4	6797.6	6150.4	6100.5	5924.4	6079.0
55°	5036.9	5076.2	5246.3	5781.6	7027.2	8442.8	8234.7	7183.0	7093.8	6778.5	6948.7
57.5°	4174.4	4207.7	4379.0	5039.3	6626.3	8910.4	10059.6	8498.8	8376.2	7708.8	7905.1
60°	3151.3	3110.9	3191.8	3770.0	5667.4	8922.3	11670.3	10283.2	10078.6	8703.4	8867.5
62.5°	2365.0	2324.5	2342.4	2505.4	3842.5	8201.3	12588.7	12724.3	12386.5	9826.4	9794.3
65°	1868.9	1846.3	1897.5	2009.3	2240.1	6245.6	12595.9	15364.1	15151.2	11127.9	10744.8
67.5°	1522.7	1508.5	1560.8	1767.8	1816.6	3356.0	11294.4	16596.6	16679.9	12553.0	11626.3
70°	1226.5	1205.1	1287.2	1559.6	1689.3	2030.7	8090.7	15968.5	16102.9	13402.4	11377.7
72.5°	847.0	848.2	889.8	1263.4	1631.0	1753.5	4576.5	13296.6	13588.0	12632.7	10002.5
75°	571.0	575.8	587.7	833.9	1502.5	1701.2	2438.8	10066.7	10272.5	10441.4	8268.0
77.5°	345.0	347.4	374.7	504.4	1036.2	1588.2	1652.4	7297.2	7459.0	6883.2	5125.0
80°	199.9	208.2	233.2	337.9	699.5	1193.2	1278.9	4474.2	4657.4	3059.7	1628.6
82.5°	88.0	94.0	127.3	196.3	408.0	1014.8	998.1	1767.8	1741.6	853.0	565.1
85°	15.5	19.0	27.4	61.9	149.9	535.3	774.5	780.4	734.0	323.6	234.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.6	116.6	209.4	208.2	91.6	80.9
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°	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4	3603.4
2.5°	3621.3	3589.1	3617.7	3621.3	3615.3	3610.5	3574.9	3543.9	3540.4	3507.0	3507.0
5°	3634.3	3604.6	3618.9	3591.5	3548.7	3504.7	3428.5	3376.2	3352.4	3309.6	3309.6
7.5°	3652.2	3621.3	3604.6	3536.8	3436.9	3340.5	3218.0	3115.7	3074.0	3013.3	3011.0
10°	3668.8	3629.6	3572.5	3440.4	3281.0	3127.6	2949.1	2804.0	2705.2	2632.7	2632.7
12.5°	3667.6	3616.5	3503.5	3308.4	3088.3	2865.8	2627.9	2409.0	2278.2	2165.1	2158.0
15°	3665.3	3595.1	3415.4	3154.9	2863.5	2555.3	2231.8	1946.2	1752.3	1641.7	1632.2
17.5°	3662.9	3567.7	3316.7	2980.0	2589.8	2169.9	1742.8	1433.5	1271.7	1203.9	1206.3
20°	3662.9	3536.8	3210.8	2779.0	2274.6	1708.3	1278.9	1054.0	1013.6	1017.1	1020.7
22.5°	3652.2	3498.7	3093.1	2560.1	1923.6	1256.3	943.4	867.2	888.7	922.0	926.7
25°	3627.2	3435.7	2956.2	2317.4	1506.1	914.8	769.7	755.4	794.7	836.3	848.2
27.5°	3587.9	3363.1	2802.8	2033.1	1108.7	735.2	676.9	675.7	706.6	737.6	748.3
30°	3546.3	3282.2	2641.0	1716.6	803.0	640.0	617.4	617.4	632.9	651.9	649.5
32.5°	3497.5	3200.1	2467.3	1387.1	654.3	586.5	579.4	575.8	578.2	585.3	585.3
35°	3455.9	3127.6	2288.9	1038.6	586.5	556.7	549.6	541.3	537.7	533.0	535.3
37.5°	3440.4	3070.4	2104.5	782.8	553.2	535.3	523.4	511.5	503.2	500.8	499.6
40°	3465.4	3046.7	1920.1	644.8	529.4	512.7	499.6	484.2	477.0	477.0	477.0
42.5°	3563.0	3064.5	1732.1	582.9	512.7	493.7	474.7	460.4	458.0	460.4	461.6
45°	3741.4	3133.5	1537.0	552.0	498.5	474.7	452.1	441.4	441.4	443.7	443.7
47.5°	4060.2	3314.3	1344.3	533.0	484.2	459.2	435.4	424.7	423.5	425.9	425.9
50°	4612.2	3640.3	1170.6	519.9	473.5	447.3	423.5	409.2	405.7	404.5	404.5
52.5°	5308.2	4205.4	1060.0	510.4	460.4	434.2	410.4	391.4	384.3	380.7	380.7
55°	6149.2	4958.4	1060.0	503.2	443.7	418.8	391.4	372.4	361.6	356.9	356.9
57.5°	7102.1	5835.2	1243.2	497.3	430.6	400.9	371.2	352.1	340.2	333.1	333.1
60°	8071.7	6761.9	1696.4	488.9	418.8	378.3	348.6	330.7	315.3	306.9	305.7
62.5°	9076.9	7782.6	2293.6	493.7	410.4	356.9	324.8	304.5	291.5	283.1	281.9
65°	9997.7	8754.5	2815.9	530.6	411.6	337.9	297.4	279.6	268.9	258.2	257.0
67.5°	10779.3	9291.1	2449.5	605.5	436.6	315.3	270.0	252.2	242.7	235.5	234.4
70°	10232.1	8472.6	1389.5	651.9	471.1	291.5	239.1	227.2	217.7	212.9	211.8
72.5°	8749.8	7173.5	929.1	575.8	429.5	260.5	210.6	201.0	193.9	188.0	186.8
75°	7087.8	5688.8	710.2	472.3	334.3	211.8	180.8	173.7	166.5	160.6	159.4
77.5°	4193.5	3287.0	523.4	373.5	235.5	165.4	149.9	143.9	136.8	132.0	130.9
80°	1338.3	1142.1	331.9	257.0	155.8	127.3	115.4	110.6	103.5	97.6	96.4
82.5°	510.4	441.4	176.1	130.9	103.5	86.8	77.3	72.6	67.8	61.9	60.7
85°	226.0	211.8	97.6	70.2	55.9	42.8	38.1	35.7	29.7	25.0	23.8
87.5°	79.7	79.7	41.6	20.2	11.9	5.9	3.6	1.2	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)