

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: P637352

Luminaire Tested: GWS-SA4C-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19686.4 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

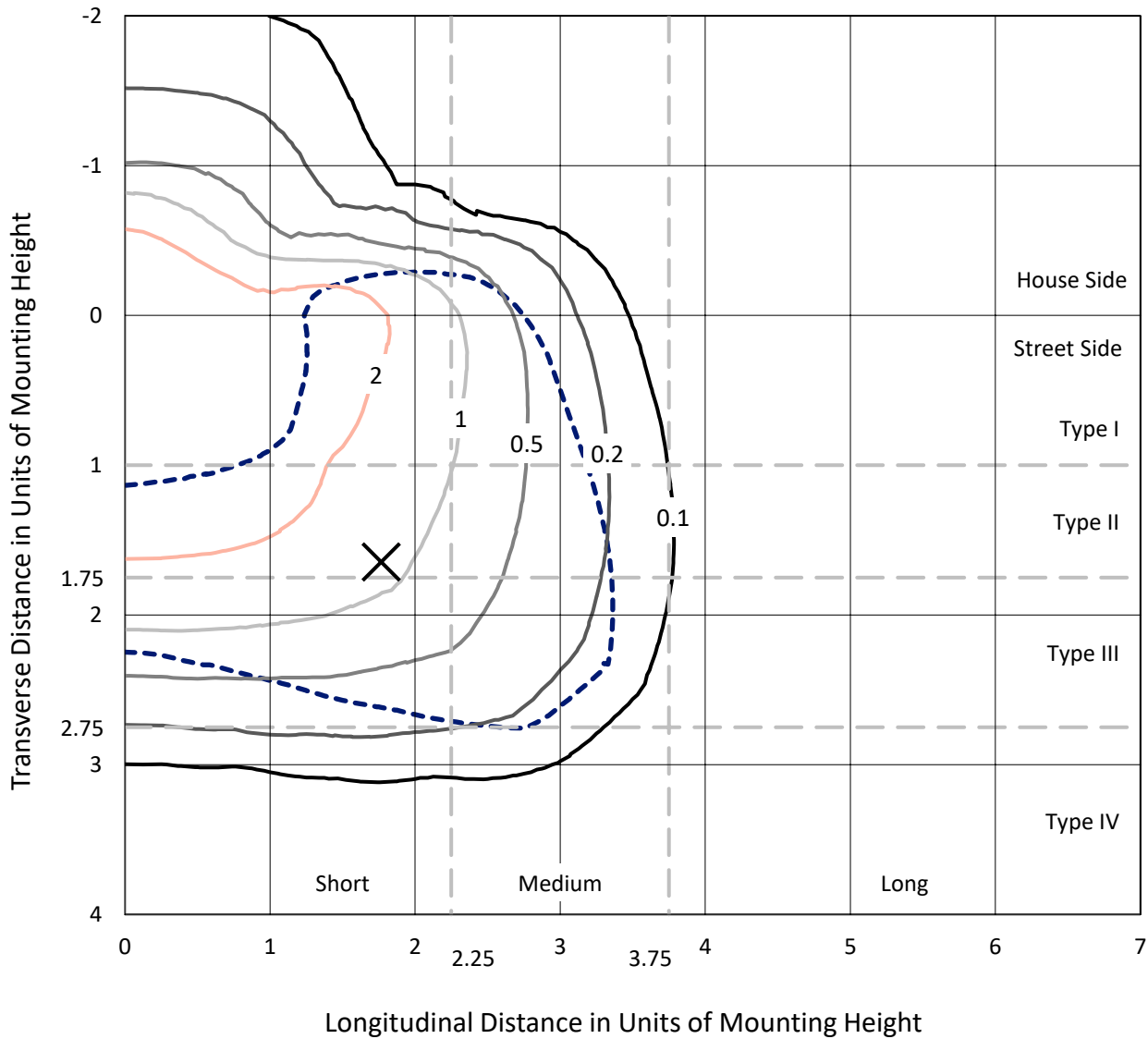
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

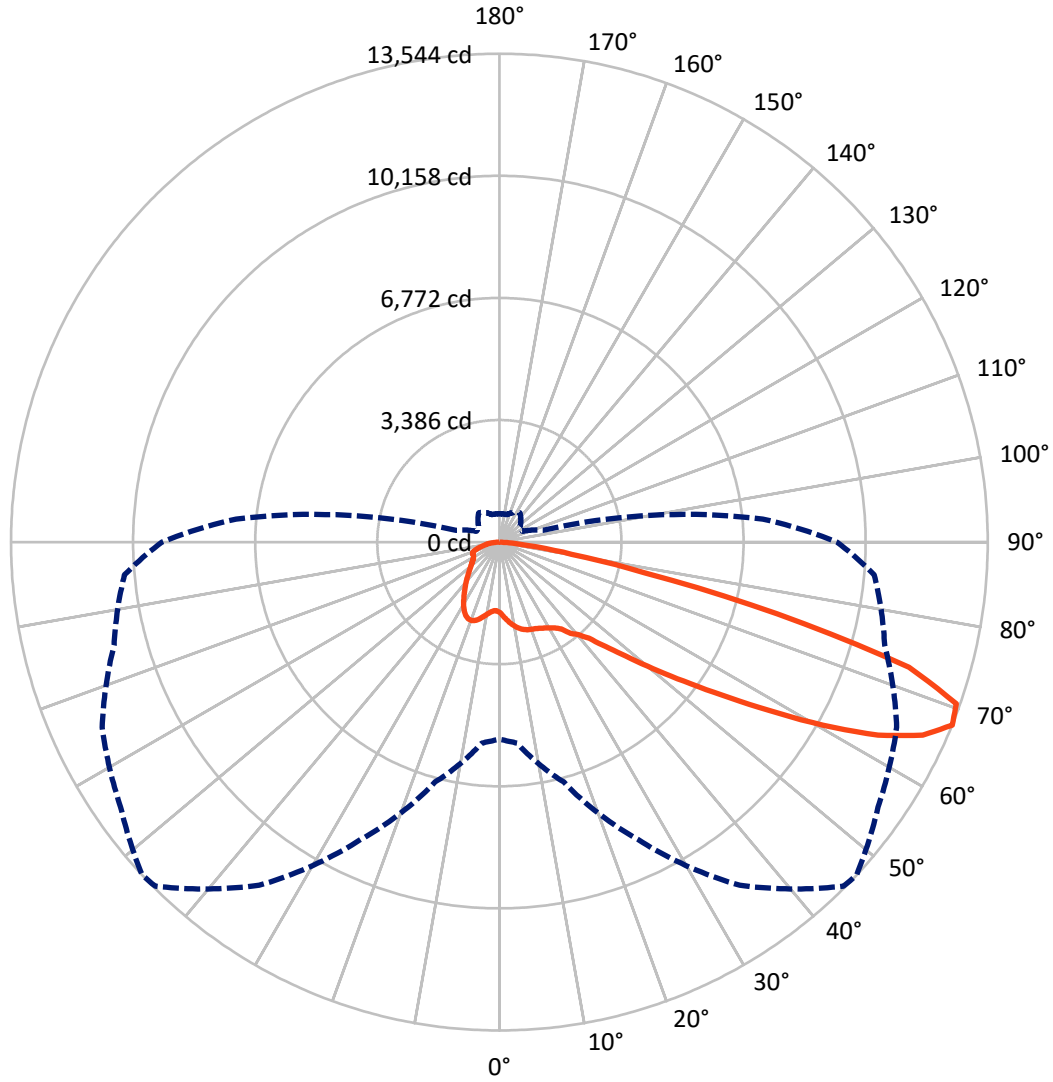
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4486.7	0.0	4486.7
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	15199.7	0.0	15199.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	19686.4	0.0	19686.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.5	1.0
10°-20°	664.5	3.4
20°-30°	1129.5	5.7
30°-40°	1654.5	8.4
40°-50°	2520.9	12.8
50°-60°	4510.4	22.9
60°-70°	6018.7	30.6
70°-80°	2721.8	13.8
80°-90°	266.7	1.4
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°	19686.4	100.0
0°-180°	19686.4	100.0

Coefficient of Utilization



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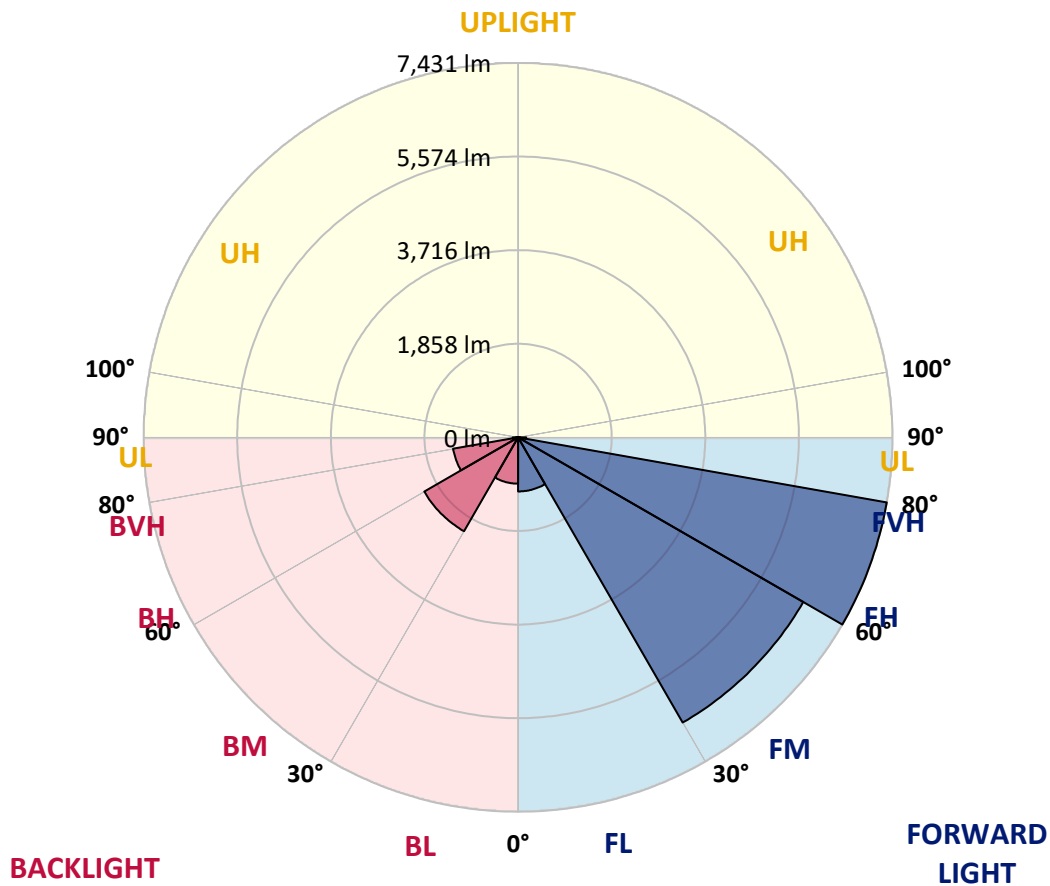
CATALOG NUMBER: GWS-SA4C-750-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1073.6	5.5			
FM (30°-60°)	6536.1	33.2			
FH (60°-80°)	7431.4	37.7			G3/7500
FVH (80°-90°)	158.6	0.8			G2/225
BL (0°-30°)	919.8	4.7	B2/1000		
BM (30°-60°)	2149.8	10.9	B2/2500		
BH (60°-80°)	1309.1	6.6	B3/2500		G3/2500
BVH (80°-90°)	108.0	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°	47°	55°	65°	75°	85°
0°	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5
2.5°	2081.1	2088.2	2086.8	2075.4	2068.3	2055.5	2056.9	2037.0	2007.1	1987.1	1964.4
5°	2264.7	2276.1	2261.9	2243.4	2214.9	2173.6	2169.3	2123.8	2066.8	2027.0	1985.7
7.5°	2424.1	2431.2	2414.2	2382.8	2341.6	2286.1	2276.1	2222.0	2150.8	2088.2	2028.4
10°	2548.0	2556.5	2533.7	2492.5	2438.4	2382.8	2375.7	2320.2	2244.8	2170.8	2095.3
12.5°	2653.3	2656.2	2632.0	2576.4	2518.1	2461.1	2454.0	2402.8	2333.0	2257.6	2175.0
15°	2714.5	2715.9	2686.0	2624.8	2569.3	2519.5	2515.2	2471.1	2407.0	2335.9	2247.6
17.5°	2710.2	2713.1	2691.7	2637.6	2589.2	2559.4	2555.1	2526.6	2476.8	2412.7	2324.5
20°	2657.6	2660.4	2646.2	2610.6	2585.0	2576.4	2577.9	2569.3	2539.4	2486.8	2397.1
22.5°	2616.3	2620.6	2607.8	2582.1	2579.3	2599.2	2603.5	2607.8	2593.5	2546.5	2459.7
25°	2636.2	2643.3	2623.4	2587.8	2593.5	2637.6	2646.2	2660.4	2649.0	2609.2	2533.7
27.5°	2774.3	2778.6	2727.3	2654.7	2637.6	2684.6	2697.4	2720.2	2711.7	2674.7	2616.3
30°	3094.6	3091.7	2982.1	2804.2	2733.0	2751.5	2761.5	2794.2	2797.1	2772.9	2717.4
32.5°	3545.8	3531.6	3362.2	3078.9	2872.5	2827.0	2838.4	2882.5	2915.2	2889.6	2814.2
35°	4022.7	4009.8	3823.4	3491.7	3130.2	2972.2	2959.3	2993.5	3043.3	2972.2	2864.0
37.5°	4476.7	4456.8	4266.1	3856.1	3447.6	3227.0	3208.4	3174.3	3144.4	3007.7	2925.2
40°	4980.6	4957.9	4791.3	4327.3	3797.8	3422.0	3375.0	3239.8	3212.7	3125.9	3084.6
42.5°	5518.7	5518.7	5380.6	4923.7	4220.5	3701.0	3639.8	3436.2	3464.7	3407.7	3359.3
45°	6056.8	6072.4	5962.8	5524.4	4785.6	4227.6	4129.4	3840.5	3908.8	3883.2	3859.0
47.5°	6515.1	6545.0	6523.7	6137.9	5477.4	4868.2	4718.7	4418.4	4565.0	4626.2	4694.5
50°	7009.1	7041.8	7020.4	6868.1	6287.4	5644.0	5510.2	5199.9	5451.8	5635.4	5858.9
52.5°	7742.1	7789.1	7611.2	7552.8	7271.0	6525.1	6405.5	6052.5	6509.4	6814.0	7312.2
55°	8361.3	8359.9	8297.3	8431.1	8327.2	7602.6	7470.2	7150.0	7733.6	8056.7	8785.5
57.5°	8648.9	8683.0	8898.0	9276.6	9484.4	8919.3	8792.6	8465.2	9047.4	9215.4	10002.6
60°	8796.9	8839.6	9255.2	10004.0	10563.4	10357.0	10307.2	9890.1	10217.5	10197.6	11028.9
62.5°	8589.1	8674.5	9342.1	10337.1	11333.5	11801.8	11786.1	11155.6	11212.5	11017.5	11665.1
65°	7635.4	7727.9	8775.5	10170.5	11773.3	12900.7	12905.0	12301.4	11976.9	11416.0	11558.4
67.5°	5460.3	5592.7	6888.1	9100.1	11618.2	13494.3	13544.1	12821.0	12156.2	11063.0	10436.7
70°	2976.4	3073.2	4088.1	6614.8	10220.3	13351.9	13444.5	12570.5	11364.8	9569.8	8033.9
72.5°	1352.3	1383.6	1901.7	3629.8	6982.0	11492.9	11880.1	11218.2	9333.5	7068.8	5108.7
75°	619.2	633.4	828.4	1736.6	3648.3	7690.9	7962.8	8355.6	6495.2	4463.9	2663.3
77.5°	388.6	392.9	471.2	794.3	1819.2	3839.0	4125.1	4974.9	3803.4	2209.2	1113.1
80°	229.2	233.4	293.2	429.9	854.1	1756.5	2028.4	1967.2	1787.8	953.7	506.7
82.5°	115.3	119.6	169.4	244.8	465.5	698.9	822.8	827.0	666.2	516.7	286.1
85°	41.3	42.7	55.5	96.8	197.9	230.6	257.6	314.6	326.0	300.3	138.1
87.5°	0.0	0.0	1.4	2.8	5.7	22.8	24.2	45.6	95.4	106.8	55.5
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°	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5
2.5°	1957.2	1935.9	1928.8	1921.7	1910.3	1906.0	1897.5	1888.9	1888.9	1880.4	1876.1
5°	1967.2	1938.7	1920.2	1911.7	1904.6	1908.8	1908.8	1911.7	1921.7	1916.0	1918.8
7.5°	2002.8	1970.1	1944.4	1937.3	1937.3	1954.4	1965.8	1980.0	1998.5	2001.4	2001.4
10°	2065.4	2027.0	1999.9	1995.7	2002.8	2027.0	2044.1	2061.2	2083.9	2085.3	2088.2
12.5°	2133.7	2095.3	2068.3	2074.0	2081.1	2112.4	2130.9	2145.1	2167.9	2167.9	2166.5
15°	2204.9	2162.2	2139.4	2150.8	2172.2	2207.8	2210.6	2212.0	2223.4	2220.6	2219.2
17.5°	2278.9	2233.4	2216.3	2233.4	2256.2	2273.2	2259.0	2239.1	2234.8	2229.1	2226.3
20°	2351.5	2304.6	2297.4	2310.3	2317.4	2303.1	2259.0	2222.0	2204.9	2196.4	2193.5
22.5°	2414.2	2374.3	2370.0	2370.0	2334.5	2284.6	2219.2	2169.3	2146.6	2135.2	2132.3
25°	2488.2	2451.2	2444.1	2405.6	2314.5	2223.4	2135.2	2089.6	2071.1	2065.4	2066.8
27.5°	2575.0	2549.4	2526.6	2417.0	2257.6	2115.2	2015.6	1995.7	1988.6	1995.7	1999.9
30°	2681.8	2656.2	2604.9	2402.8	2166.5	1974.3	1878.9	1877.5	1898.9	1917.4	1920.2
32.5°	2768.6	2757.2	2673.2	2357.2	2038.4	1819.2	1738.0	1743.7	1782.2	1807.8	1812.0
35°	2836.9	2855.4	2730.2	2281.8	1886.1	1672.5	1608.5	1611.3	1632.7	1668.3	1669.7
37.5°	2933.7	2996.4	2781.4	2166.5	1711.0	1545.9	1487.5	1466.1	1463.3	1473.3	1476.1
40°	3128.7	3222.7	2818.4	1998.5	1541.6	1432.0	1366.5	1325.2	1289.6	1262.6	1254.1
42.5°	3423.4	3531.6	2839.8	1795.0	1390.7	1319.5	1245.5	1192.8	1130.2	1073.3	1053.4
45°	3964.3	3999.9	2839.8	1578.6	1256.9	1214.2	1140.2	1077.5	997.8	930.9	916.7
47.5°	4829.8	4715.9	2842.6	1369.4	1138.8	1121.7	1057.6	986.4	898.2	842.7	834.1
50°	6133.6	5733.6	2901.0	1195.7	1040.5	1043.4	996.4	918.1	838.4	797.1	790.0
52.5°	7611.2	6987.7	3057.6	1067.6	958.0	979.3	953.7	878.3	807.1	771.5	764.4
55°	9000.5	8140.7	3191.4	976.5	888.2	925.2	923.8	854.1	790.0	754.4	750.2
57.5°	10181.9	8930.7	3171.4	902.5	828.4	875.4	896.8	838.4	778.6	748.7	744.5
60°	10916.4	9349.2	2888.2	834.1	782.9	839.8	881.1	834.1	784.3	777.2	778.6
62.5°	11235.3	9272.3	2344.4	782.9	753.0	822.8	898.2	864.0	837.0	854.1	864.0
65°	10739.9	8611.9	1725.2	744.5	724.5	827.0	938.1	911.0	837.0	848.4	852.6
67.5°	9364.9	7330.7	1246.9	706.0	688.9	839.8	995.0	903.9	788.6	788.6	780.0
70°	6748.6	5272.4	905.3	667.6	653.4	821.3	997.8	855.5	733.1	728.8	707.5
72.5°	4061.1	3110.2	706.0	624.9	599.3	728.8	935.2	798.6	679.0	643.4	617.8
75°	2109.5	1558.7	592.2	577.9	513.9	617.8	855.5	710.3	580.8	549.5	535.2
77.5°	903.9	728.8	508.2	515.3	427.0	519.6	690.4	614.9	515.3	475.4	462.6
80°	445.5	414.2	401.4	412.8	341.6	401.4	595.0	538.1	437.0	391.4	372.9
82.5°	254.8	242.0	289.0	293.2	243.4	335.9	502.5	455.5	361.6	311.7	281.8
85°	118.1	126.7	175.1	176.5	150.9	230.6	328.8	256.2	192.2	159.4	152.3
87.5°	47.0	55.5	76.9	75.4	44.1	42.7	28.5	15.7	12.8	11.4	10.0
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)