

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: P641854

Luminaire Tested: GWS-SA6B-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641854
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-SA6B-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21375.5 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - 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

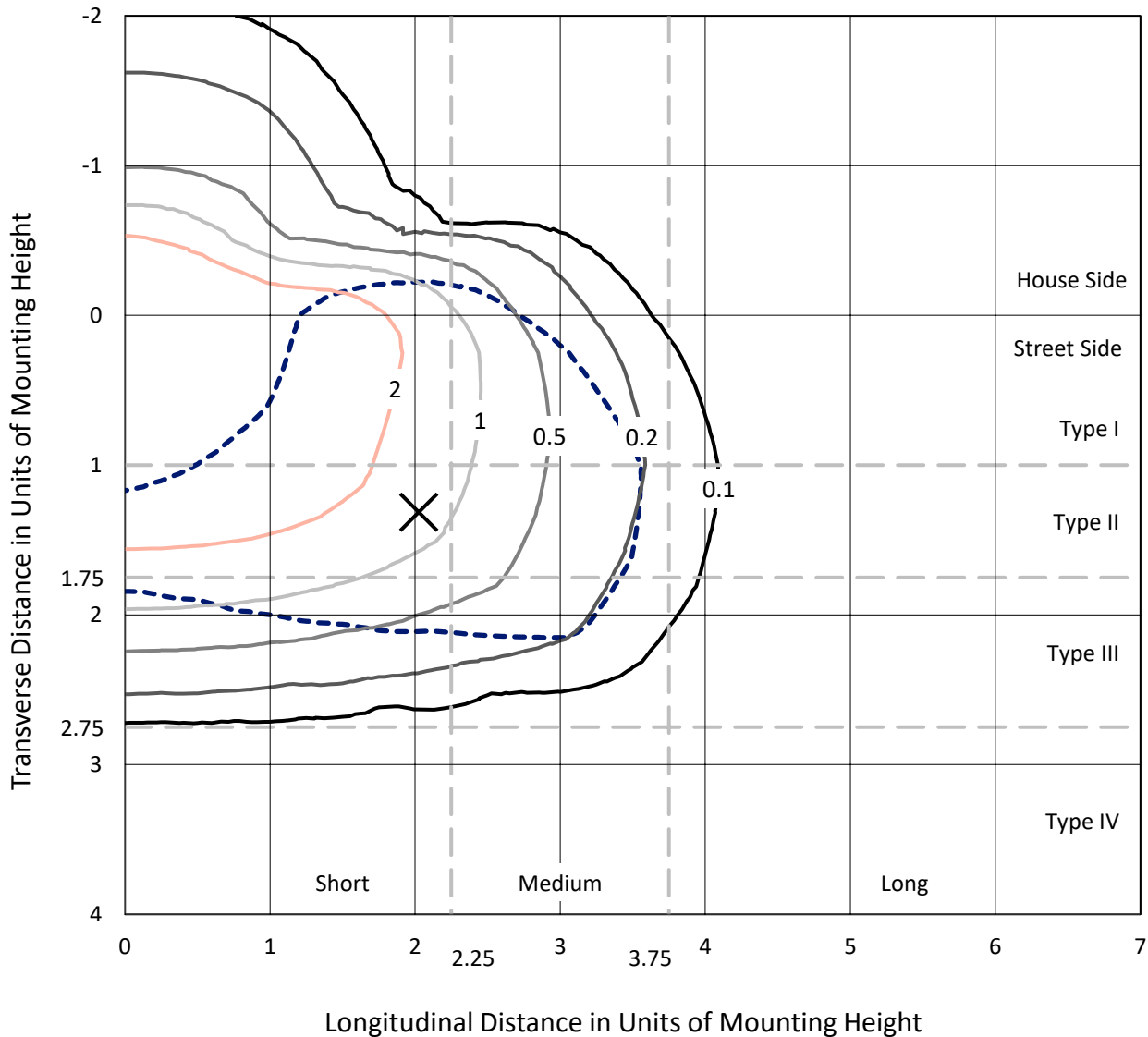


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Iso-Footcandle Lines of Horizontal Illumination

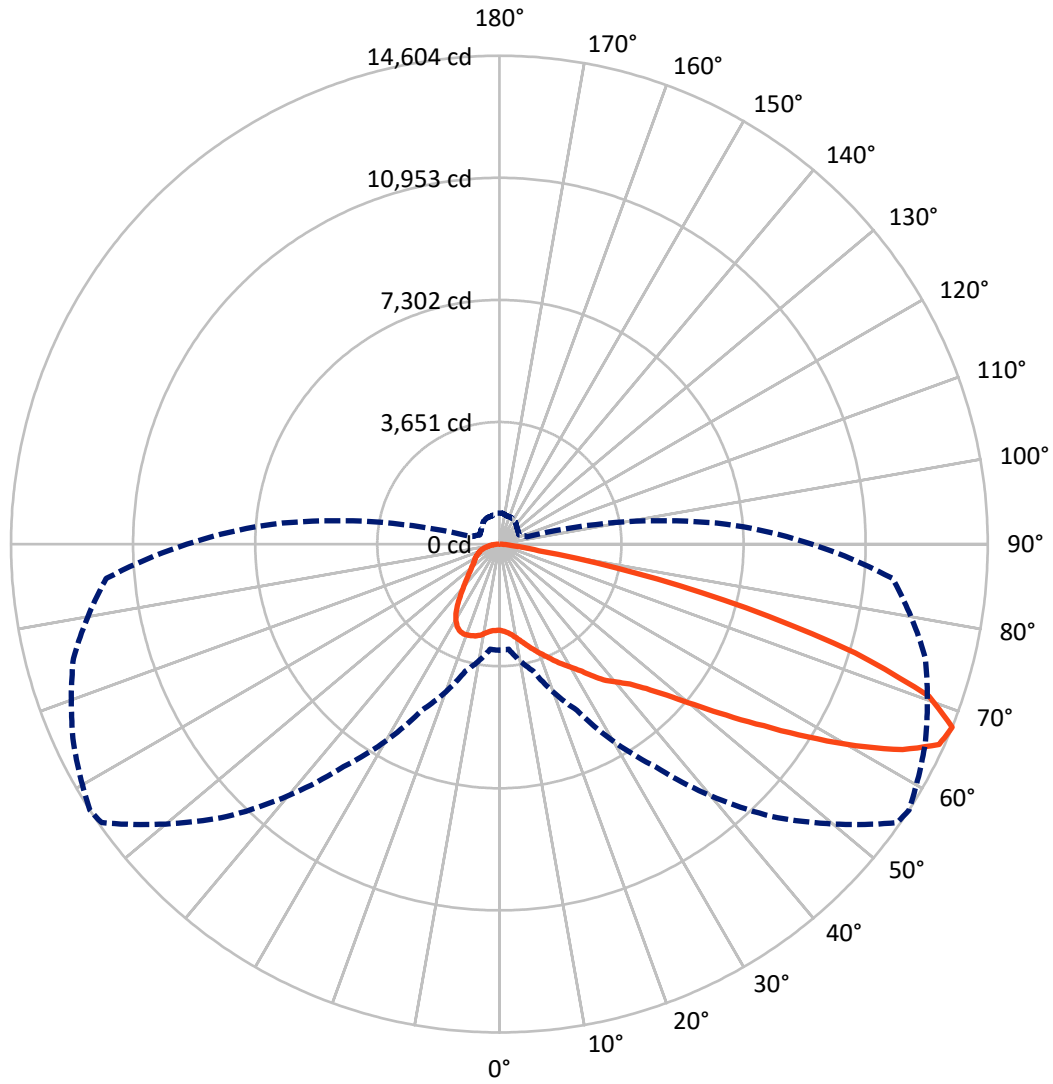
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	4699.7	0.0	4699.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	16675.8	0.0	16675.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	21375.5	0.0	21375.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	1.2
10°-20°	845.7	4.0
20°-30°	1507.6	7.1
30°-40°	2191.9	10.3
40°-50°	3172.5	14.8
50°-60°	4964.8	23.2
60°-70°	5791.7	27.1
70°-80°	2417.7	11.3
80°-90°	228.2	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°	21375.5	100.0
0°-180°	21375.5	100.0

Coefficient of Utilization



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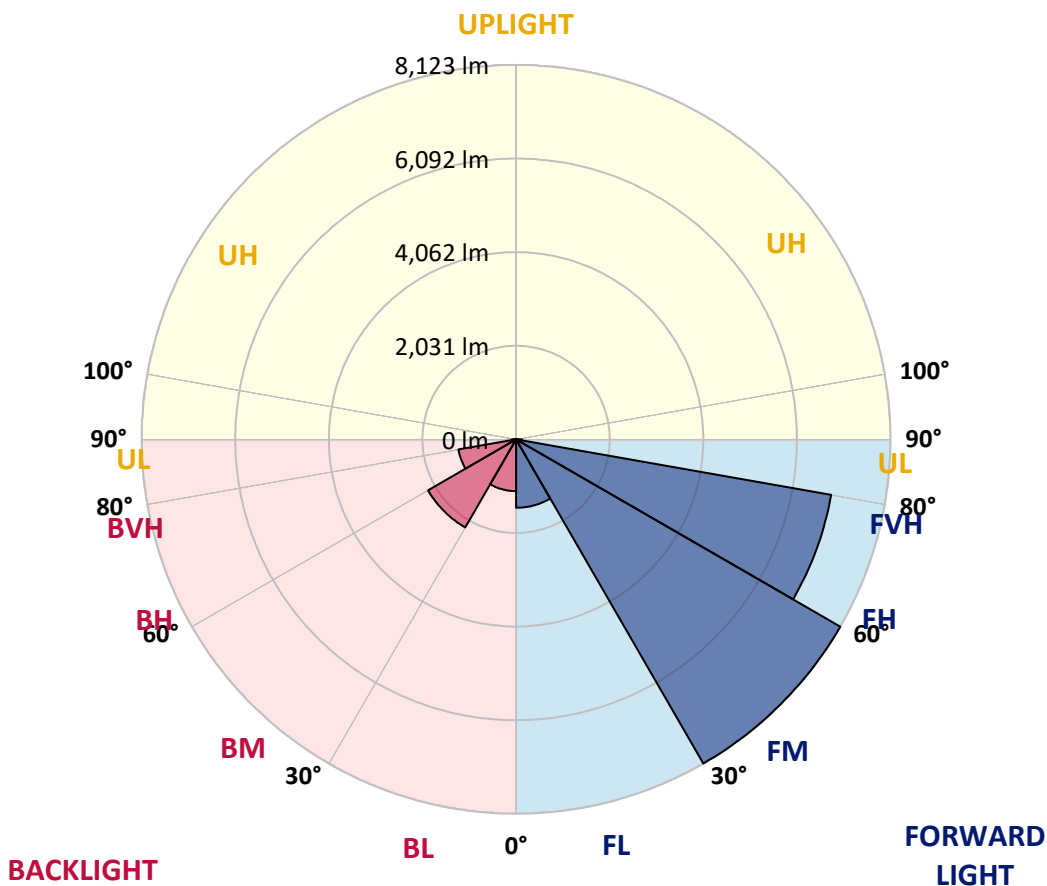
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1484.7	6.9			
FM (30°-60°)	8123.0	38.0			
FH (60°-80°)	6941.0	32.5			G3/7500
FVH (80°-90°)	127.1	0.6			G2/225
BL (0°-30°)	1124.0	5.3	B3/2500		
BM (30°-60°)	2206.2	10.3	B2/2500		
BH (60°-80°)	1268.5	5.9	B3/2500		G3/2500
BVH (80°-90°)	101.0	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°	55°	57°	65°	75°	85°
0°	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6
2.5°	2612.4	2609.3	2607.8	2616.9	2613.9	2612.4	2612.4	2610.8	2607.8	2595.5	2578.7
5°	2684.3	2678.2	2672.1	2679.7	2673.6	2667.5	2665.9	2662.9	2652.2	2633.8	2607.8
7.5°	2759.4	2753.2	2754.8	2759.4	2754.8	2751.7	2747.1	2744.0	2727.2	2698.1	2662.9
10°	2865.0	2865.0	2868.1	2872.7	2874.2	2869.6	2860.4	2855.8	2835.9	2799.2	2750.2
12.5°	3018.1	3015.1	3015.1	3012.0	3016.6	3012.0	3002.8	2995.2	2970.7	2923.2	2852.8
15°	3220.3	3208.0	3197.3	3177.4	3171.3	3154.4	3157.5	3152.9	3129.9	3065.6	2976.8
17.5°	3436.2	3434.6	3417.8	3378.0	3338.2	3310.6	3316.7	3315.2	3303.0	3215.7	3102.4
20°	3626.1	3633.7	3618.4	3587.8	3534.2	3482.1	3479.1	3486.7	3471.4	3384.1	3226.4
22.5°	3838.9	3832.8	3817.5	3777.7	3737.8	3682.7	3664.3	3658.2	3652.1	3552.6	3353.5
25°	4041.0	4059.4	4039.5	4002.7	3941.5	3881.8	3866.5	3872.6	3855.7	3724.1	3489.8
27.5°	4296.8	4304.4	4292.2	4241.6	4189.6	4105.3	4076.3	4076.3	4070.1	3884.8	3597.0
30°	4569.3	4590.8	4569.3	4528.0	4474.4	4353.4	4290.6	4284.5	4266.1	4050.2	3722.5
32.5°	4843.4	4858.7	4843.4	4803.6	4742.4	4636.7	4546.4	4532.6	4508.1	4230.9	3851.2
35°	5086.9	5100.7	5097.6	5106.8	5056.3	4923.0	4867.9	4861.8	4797.5	4466.7	4025.7
37.5°	5353.3	5370.2	5347.2	5365.6	5345.7	5220.1	5203.3	5172.6	5080.8	4688.8	4209.5
40°	5656.5	5671.8	5635.1	5642.7	5619.8	5549.3	5463.6	5422.2	5286.0	4929.2	4498.9
42.5°	5981.2	6016.4	6033.2	6019.4	5965.8	5926.0	5776.0	5723.9	5610.6	5362.5	4975.1
45°	6451.3	6503.3	6527.8	6492.6	6469.6	6413.0	6229.2	6166.4	6106.7	5973.5	5639.7
47.5°	6958.1	7005.6	7083.7	7099.0	7117.4	7074.5	6815.7	6754.4	6765.2	6749.9	6457.4
50°	7362.4	7402.2	7578.3	7766.6	7922.8	7935.1	7604.3	7538.5	7596.6	7645.6	7442.0
52.5°	7656.4	7691.6	7924.3	8313.3	8667.0	8928.9	8572.1	8497.0	8544.5	8654.8	8561.4
55°	7895.2	7944.2	8187.7	8784.9	9500.0	9913.5	9685.3	9590.4	9570.5	9706.7	9760.3
57.5°	8020.8	8036.1	8377.6	9154.0	10111.0	10879.7	10979.2	10872.0	10682.2	10757.2	11035.9
60°	7734.5	7760.5	8227.5	9248.9	10593.4	11838.3	12337.5	12248.7	11844.4	11885.7	12193.5
62.5°	6942.8	6979.5	7541.5	8797.2	10633.2	12478.3	13591.6	13534.9	12992.9	12769.3	12861.2
65°	5569.2	5581.5	6163.4	7679.3	9841.5	12558.0	14465.9	14452.2	13795.2	13271.5	12878.0
67.5°	3175.9	3154.4	3932.3	5477.4	8121.9	11522.8	14522.6	14603.8	14055.6	13188.9	11806.1
70°	1376.6	1379.7	1738.0	2702.7	5256.9	9313.2	13489.0	13628.3	13302.2	11812.2	9392.8
72.5°	637.0	646.2	800.9	1169.9	2244.8	5777.5	10999.1	11124.7	10844.5	9454.1	6834.1
75°	450.2	457.9	534.4	670.7	1032.1	2251.0	7357.8	7621.1	7757.4	7071.4	4503.5
77.5°	341.5	352.2	390.5	465.5	637.0	797.8	3520.4	4148.2	4941.4	4399.3	2319.9
80°	217.4	217.4	258.8	310.8	388.9	415.0	1016.8	1205.1	2417.9	1813.0	911.1
82.5°	147.0	151.6	176.1	197.5	223.6	235.8	436.4	465.5	698.3	617.1	375.2
85°	78.1	81.2	91.9	90.3	107.2	93.4	183.8	182.2	255.7	280.2	142.4
87.5°	0.0	0.0	1.5	1.5	3.1	4.6	19.9	21.4	53.6	85.8	47.5
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°	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6	2575.6
2.5°	2587.9	2569.5	2578.7	2575.6	2584.8	2584.8	2567.9	2563.4	2564.9	2546.5	2540.4
5°	2610.8	2589.4	2594.0	2587.9	2597.0	2604.7	2597.0	2597.0	2606.2	2592.4	2584.8
7.5°	2662.9	2638.4	2638.4	2630.7	2641.4	2647.6	2641.4	2650.6	2667.5	2653.7	2646.0
10°	2745.6	2716.5	2718.0	2708.8	2713.4	2710.4	2685.9	2678.2	2682.8	2670.5	2664.4
12.5°	2852.8	2812.9	2812.9	2794.6	2783.9	2751.7	2701.2	2682.8	2685.9	2675.1	2670.5
15°	2955.4	2918.6	2911.0	2874.2	2825.2	2765.5	2719.5	2707.3	2710.4	2699.6	2692.0
17.5°	3076.3	3028.9	3001.3	2933.9	2843.6	2782.3	2736.4	2707.3	2682.8	2658.3	2652.2
20°	3188.1	3128.4	3077.9	2973.7	2863.5	2779.3	2693.5	2621.5	2561.8	2529.7	2522.0
22.5°	3303.0	3226.4	3137.6	3001.3	2862.0	2724.1	2566.4	2457.7	2368.9	2321.4	2330.6
25°	3411.7	3315.2	3194.2	3027.3	2812.9	2601.6	2387.3	2224.9	2123.9	2087.1	2076.4
27.5°	3502.0	3382.6	3246.3	3015.1	2711.9	2425.5	2142.3	1961.6	1863.6	1822.2	1811.5
30°	3603.1	3468.3	3321.3	2958.4	2552.6	2179.0	1865.1	1718.1	1647.7	1607.8	1609.4
32.5°	3719.5	3578.6	3427.0	2849.7	2349.0	1912.6	1636.9	1535.9	1479.2	1439.4	1433.3
35°	3875.7	3736.3	3497.4	2685.9	2090.2	1667.6	1480.7	1398.1	1327.6	1275.6	1264.8
37.5°	4068.6	3973.7	3505.1	2466.9	1813.0	1499.1	1369.0	1280.1	1194.4	1125.5	1117.8
40°	4399.3	4290.6	3442.3	2192.8	1577.2	1390.4	1275.6	1173.0	1073.4	996.9	986.1
42.5°	4871.0	4647.4	3307.6	1883.5	1399.6	1304.6	1186.7	1056.6	955.5	901.9	894.3
45°	5471.2	5045.5	3105.4	1592.5	1267.9	1220.4	1093.3	957.0	903.5	865.2	857.5
47.5°	6206.3	5509.5	2872.7	1365.9	1165.3	1143.9	998.4	923.4	875.9	843.7	836.1
50°	7085.2	6100.6	2681.3	1188.3	1073.4	1055.0	967.8	903.5	865.2	839.1	833.0
52.5°	8088.2	6757.5	2587.9	1061.2	993.8	975.4	957.0	898.9	866.7	846.8	839.1
55°	9129.5	7449.6	2500.6	963.2	926.4	937.1	958.6	914.2	889.7	863.6	856.0
57.5°	10135.5	8098.9	2286.2	886.6	877.4	918.8	966.2	929.5	900.4	874.4	865.2
60°	10829.2	8454.2	1923.3	825.4	840.7	895.8	946.3	906.5	869.8	859.0	854.5
62.5°	11016.0	8411.3	1493.0	762.6	796.3	845.3	894.3	868.2	830.0	846.8	848.3
65°	10579.6	7951.9	1120.9	701.3	738.1	779.4	840.7	830.0	816.2	862.1	863.6
67.5°	9343.8	6823.4	854.5	647.7	678.4	728.9	823.8	868.2	871.3	929.5	923.4
70°	7069.9	5097.6	669.2	597.2	632.4	728.9	877.4	897.3	860.6	914.2	901.9
72.5°	4887.8	3364.2	569.6	552.8	575.8	695.2	875.9	875.9	836.1	836.1	813.1
75°	3036.5	1978.4	496.1	496.1	496.1	607.9	851.4	807.0	736.5	704.4	686.0
77.5°	1499.1	961.6	416.5	431.8	415.0	508.4	695.2	660.0	617.1	583.4	571.2
80°	640.1	480.8	336.9	353.7	333.8	382.8	551.3	543.6	502.3	457.9	444.1
82.5°	294.0	248.1	269.5	277.2	243.5	287.9	402.7	402.7	379.8	318.5	295.5
85°	125.6	131.7	186.8	186.8	153.1	162.3	215.9	205.2	183.8	150.1	137.8
87.5°	42.9	64.3	94.9	82.7	32.2	13.8	7.7	3.1	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)