

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: P641744

Luminaire Tested: GWS-SA6B-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641744
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-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21187 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

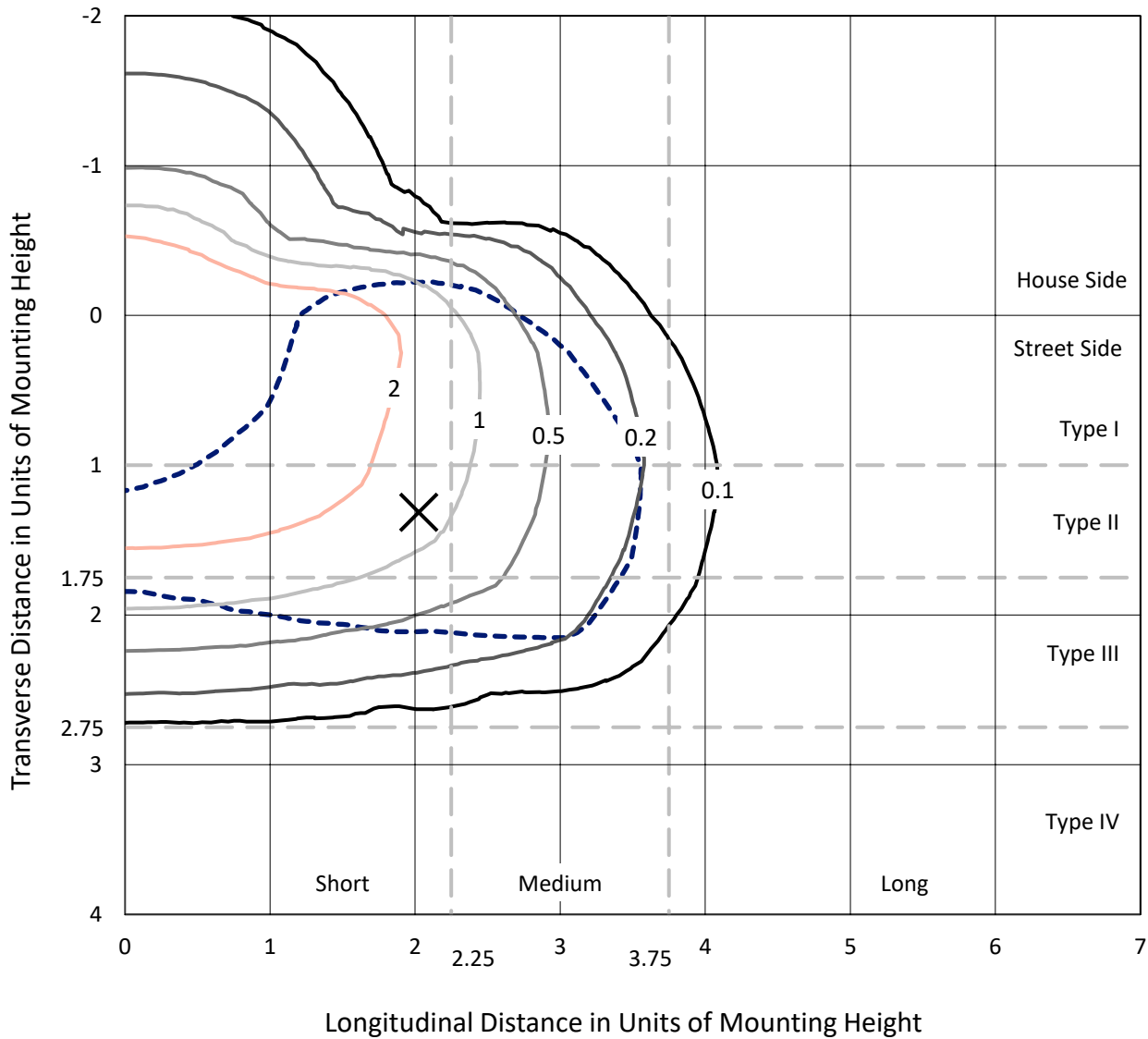
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

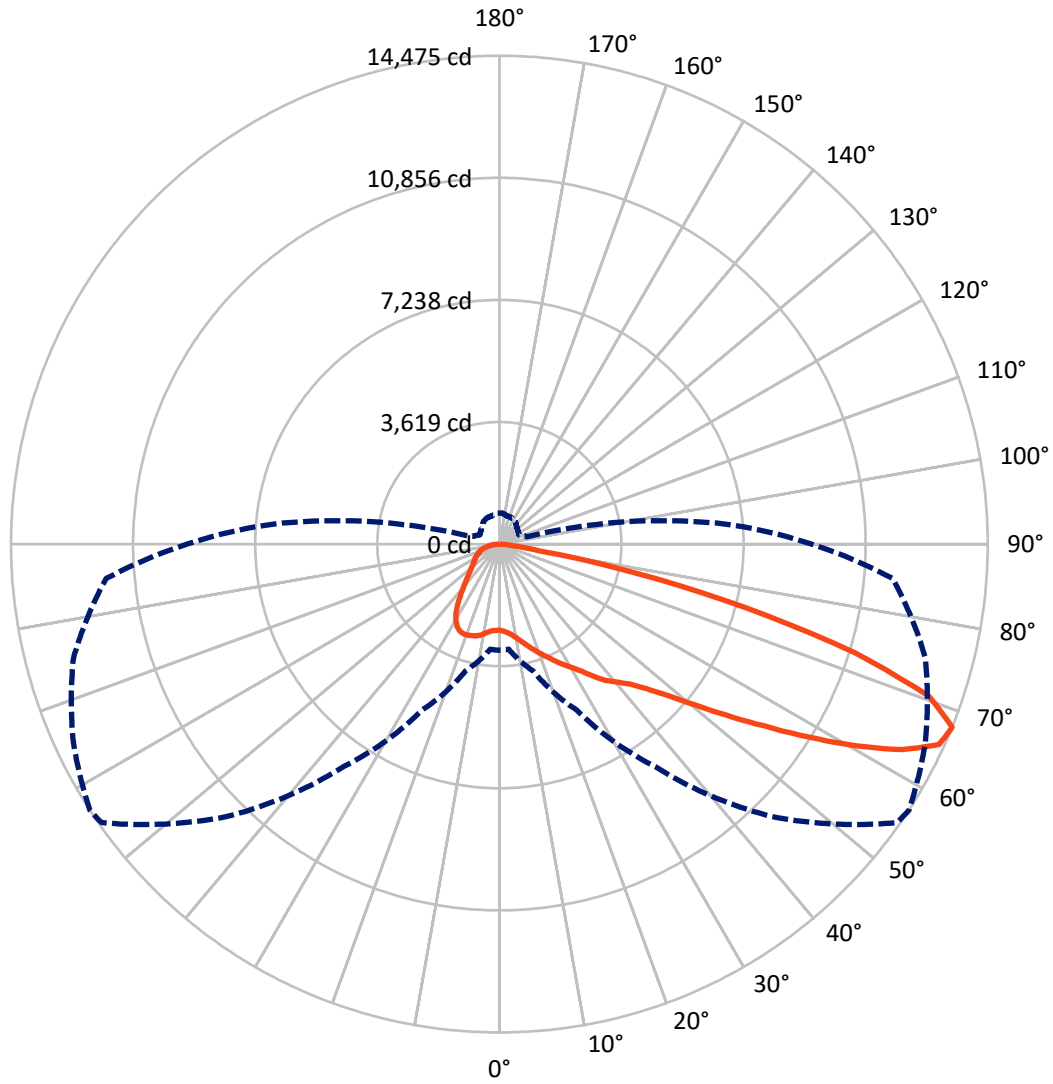
✕ Max cd
 - - - 1/2 Max cd



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	4658.2	0.0	4658.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	16528.8	0.0	16528.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	21187.0	0.0	21187.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.2	1.2
10°-20°	838.2	4.0
20°-30°	1494.3	7.1
30°-40°	2172.6	10.3
40°-50°	3144.5	14.8
50°-60°	4921.0	23.2
60°-70°	5740.7	27.1
70°-80°	2396.4	11.3
80°-90°	226.1	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°	21187.0	100.0
0°-180°	21187.0	100.0

Coefficient of Utilization



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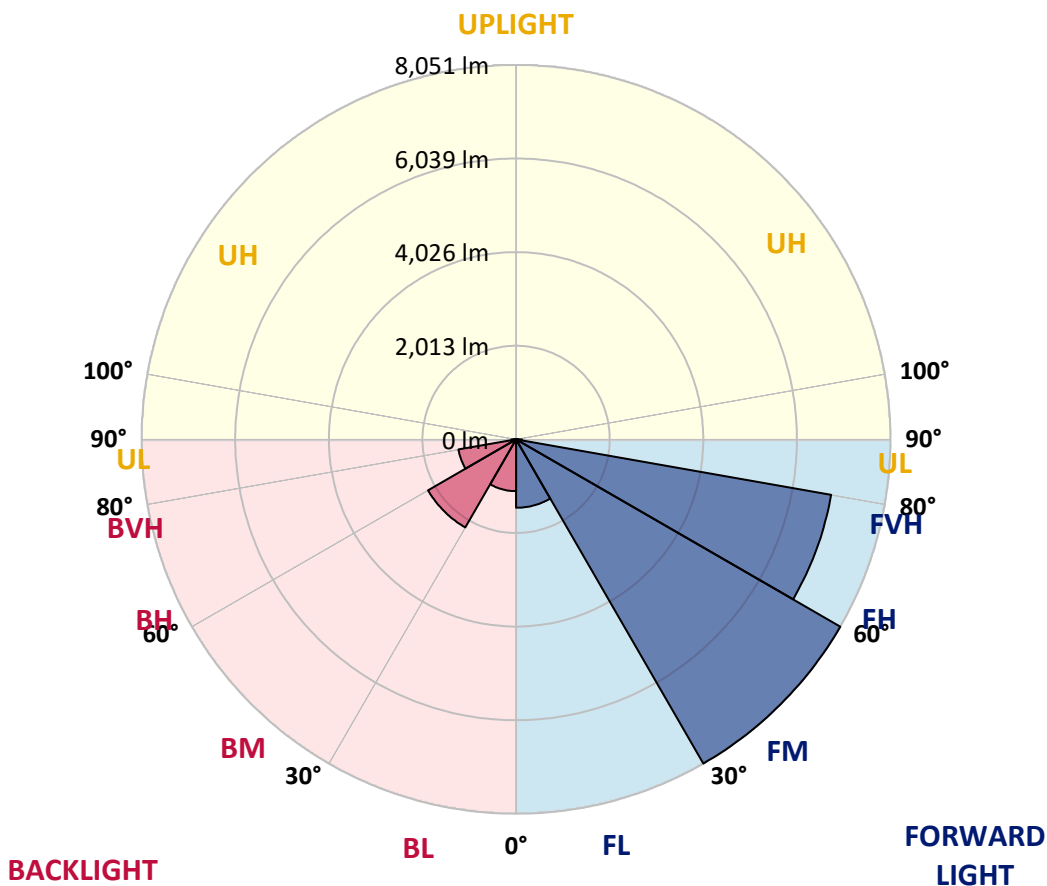
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1471.6	6.9			
FM (30°-60°)	8051.4	38.0			
FH (60°-80°)	6879.8	32.5			G3/7500
FVH (80°-90°)	126.0	0.6			G2/225
BL (0°-30°)	1114.1	5.3	B3/2500		
BM (30°-60°)	2186.7	10.3	B2/2500		
BH (60°-80°)	1257.3	5.9	B3/2500		G3/2500
BVH (80°-90°)	100.2	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°	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9
2.5°	2589.3	2586.3	2584.8	2593.9	2590.8	2589.3	2589.3	2587.8	2584.8	2572.6	2555.9
5°	2660.7	2654.6	2648.5	2656.1	2650.0	2644.0	2642.4	2639.4	2628.8	2610.6	2584.8
7.5°	2735.0	2729.0	2730.5	2735.0	2730.5	2727.4	2722.9	2719.8	2703.1	2674.3	2639.4
10°	2839.7	2839.7	2842.8	2847.3	2848.9	2844.3	2835.2	2830.6	2810.9	2774.5	2725.9
12.5°	2991.5	2988.5	2988.5	2985.5	2990.0	2985.5	2976.3	2968.8	2944.5	2897.4	2827.6
15°	3191.9	3179.7	3169.1	3149.4	3143.3	3126.6	3129.6	3125.1	3102.3	3038.6	2950.5
17.5°	3405.9	3404.4	3387.7	3348.2	3308.7	3281.4	3287.5	3286.0	3273.8	3187.3	3075.0
20°	3594.1	3601.7	3586.5	3556.1	3503.0	3451.4	3448.4	3456.0	3440.8	3354.3	3197.9
22.5°	3805.0	3799.0	3783.8	3744.3	3704.9	3650.2	3632.0	3626.0	3619.9	3521.2	3323.9
25°	4005.4	4023.6	4003.9	3967.5	3906.7	3847.5	3832.4	3838.4	3821.7	3691.2	3459.0
27.5°	4258.9	4266.5	4254.3	4204.2	4152.6	4069.1	4040.3	4040.3	4034.2	3850.6	3565.2
30°	4529.0	4550.3	4529.0	4488.0	4434.9	4315.0	4252.8	4246.7	4228.5	4014.5	3689.7
32.5°	4800.7	4815.9	4800.7	4761.2	4700.5	4595.8	4506.3	4492.6	4468.3	4193.6	3817.2
35°	5042.0	5055.7	5052.7	5061.8	5011.7	4879.6	4825.0	4818.9	4755.2	4427.3	3990.2
37.5°	5306.1	5322.8	5300.1	5318.3	5298.5	5174.1	5157.4	5127.0	5036.0	4647.4	4172.3
40°	5606.6	5621.8	5585.4	5593.0	5570.2	5500.4	5415.4	5374.4	5239.3	4885.7	4459.2
42.5°	5928.4	5963.3	5980.0	5966.4	5913.2	5873.8	5725.0	5673.4	5561.1	5315.2	4931.2
45°	6394.4	6446.0	6470.3	6435.3	6412.6	6356.4	6174.3	6112.1	6052.9	5920.8	5589.9
47.5°	6896.7	6943.8	7021.2	7036.4	7054.6	7012.1	6755.6	6694.9	6705.5	6690.3	6400.4
50°	7297.4	7336.9	7511.4	7698.1	7852.9	7865.1	7537.2	7472.0	7529.7	7578.2	7376.4
52.5°	7588.9	7623.8	7854.5	8240.0	8590.6	8850.1	8496.5	8422.1	8469.2	8578.4	8485.9
55°	7825.6	7874.2	8115.5	8707.4	9416.2	9826.0	9599.9	9505.8	9486.1	9621.1	9674.3
57.5°	7950.1	7965.3	8303.7	9073.2	10021.8	10783.8	10882.4	10776.2	10588.0	10662.3	10938.6
60°	7666.3	7692.1	8155.0	9167.3	10499.9	11733.9	12228.7	12140.6	11740.0	11780.9	12086.0
62.5°	6881.6	6918.0	7475.0	8719.6	10539.4	12368.3	13471.7	13415.6	12878.3	12656.7	12747.8
65°	5520.1	5532.3	6109.0	7611.6	9754.7	12447.2	14338.4	14324.7	13673.6	13154.5	12764.4
67.5°	3147.9	3126.6	3897.6	5429.1	8050.3	11421.2	14394.5	14475.0	13931.6	13072.6	11702.0
70°	1364.5	1367.5	1722.7	2678.9	5210.5	9231.1	13370.0	13508.2	13184.9	11708.1	9310.0
72.5°	631.4	640.5	793.8	1159.6	2225.1	5726.5	10902.1	11026.6	10748.8	9370.7	6773.8
75°	446.2	453.8	529.7	664.8	1023.0	2231.1	7292.9	7553.9	7689.0	7009.1	4463.8
77.5°	338.5	349.1	387.0	461.4	631.4	790.8	3489.4	4111.6	4897.8	4360.6	2299.4
80°	215.5	215.5	256.5	308.1	385.5	411.3	1007.8	1194.5	2396.6	1797.0	903.1
82.5°	145.7	150.3	174.5	195.8	221.6	233.7	432.6	461.4	692.1	611.7	371.9
85°	77.4	80.4	91.1	89.5	106.2	92.6	182.1	180.6	253.5	277.8	141.2
87.5°	0.0	0.0	1.5	1.5	3.0	4.6	19.7	21.2	53.1	85.0	47.1
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°	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9	2552.9
2.5°	2565.0	2546.8	2555.9	2552.9	2562.0	2562.0	2545.3	2540.7	2542.3	2524.1	2518.0
5°	2587.8	2566.5	2571.1	2565.0	2574.1	2581.7	2574.1	2574.1	2583.2	2569.6	2562.0
7.5°	2639.4	2615.1	2615.1	2607.5	2618.2	2624.2	2618.2	2627.3	2644.0	2630.3	2622.7
10°	2721.4	2692.5	2694.0	2684.9	2689.5	2686.5	2662.2	2654.6	2659.1	2647.0	2640.9
12.5°	2827.6	2788.1	2788.1	2769.9	2759.3	2727.4	2677.3	2659.1	2662.2	2651.5	2647.0
15°	2929.3	2892.9	2885.3	2848.9	2800.3	2741.1	2695.6	2683.4	2686.5	2675.8	2668.2
17.5°	3049.2	3002.1	2974.8	2908.0	2818.5	2757.8	2712.3	2683.4	2659.1	2634.8	2628.8
20°	3160.0	3100.8	3050.7	2947.5	2838.2	2754.8	2669.8	2598.4	2539.2	2507.4	2499.8
22.5°	3273.8	3197.9	3109.9	2974.8	2836.7	2700.1	2543.8	2436.0	2348.0	2300.9	2310.0
25°	3381.6	3286.0	3166.1	3000.6	2788.1	2578.7	2366.2	2205.3	2105.1	2068.7	2058.1
27.5°	3471.1	3352.8	3217.7	2988.5	2688.0	2404.1	2123.4	1944.3	1847.1	1806.1	1795.5
30°	3571.3	3437.7	3292.0	2932.3	2530.1	2159.8	1848.6	1702.9	1633.1	1593.7	1595.2
32.5°	3686.7	3547.0	3396.8	2824.6	2328.3	1895.7	1622.5	1522.3	1466.2	1426.7	1420.6
35°	3841.5	3703.4	3466.6	2662.2	2071.8	1652.9	1467.7	1385.7	1315.9	1264.3	1253.7
37.5°	4032.7	3938.6	3474.2	2445.1	1797.0	1485.9	1356.9	1268.9	1183.9	1115.6	1108.0
40°	4360.6	4252.8	3411.9	2173.4	1563.3	1378.1	1264.3	1162.6	1064.0	988.1	977.4
42.5°	4828.0	4606.4	3278.4	1866.9	1387.2	1293.1	1176.3	1047.3	947.1	894.0	886.4
45°	5423.0	5001.1	3078.0	1578.5	1256.7	1209.7	1083.7	948.6	895.5	857.5	850.0
47.5°	6151.5	5460.9	2847.3	1353.9	1155.0	1133.8	989.6	915.2	868.2	836.3	828.7
50°	7022.7	6046.8	2657.6	1177.8	1064.0	1045.7	959.2	895.5	857.5	831.7	825.7
52.5°	8016.9	6697.9	2565.0	1051.8	985.0	966.8	948.6	890.9	859.1	839.3	831.7
55°	9048.9	7384.0	2478.5	954.7	918.3	928.9	950.1	906.1	881.8	856.0	848.4
57.5°	10046.1	8027.5	2266.0	878.8	869.7	910.7	957.7	921.3	892.4	866.6	857.5
60°	10733.7	8379.6	1906.3	818.1	833.3	887.9	938.0	898.5	862.1	851.5	846.9
62.5°	10918.8	8337.1	1479.8	755.8	789.2	837.8	886.4	860.6	822.6	839.3	840.8
65°	10486.3	7881.8	1111.0	695.1	731.6	772.5	833.3	822.6	809.0	854.5	856.0
67.5°	9261.4	6763.2	846.9	642.0	672.4	722.5	816.6	860.6	863.6	921.3	915.2
70°	7007.5	5052.7	663.3	591.9	626.8	722.5	869.7	889.4	853.0	906.1	894.0
72.5°	4844.7	3334.5	564.6	547.9	570.7	689.1	868.2	868.2	828.7	828.7	805.9
75°	3009.7	1961.0	491.8	491.8	491.8	602.6	843.9	799.9	730.0	698.2	680.0
77.5°	1485.9	953.2	412.8	428.0	411.3	503.9	689.1	654.2	611.7	578.3	566.1
80°	634.4	476.6	333.9	350.6	330.9	379.4	546.4	538.8	497.8	453.8	440.2
82.5°	291.4	245.9	267.1	274.7	241.3	285.3	399.2	399.2	376.4	315.7	292.9
85°	124.5	130.5	185.2	185.2	151.8	160.9	214.0	203.4	182.1	148.7	136.6
87.5°	42.5	63.7	94.1	82.0	31.9	13.7	7.6	3.0	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)