

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: P641679

Luminaire Tested: GWS-SA6B-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17410.1 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

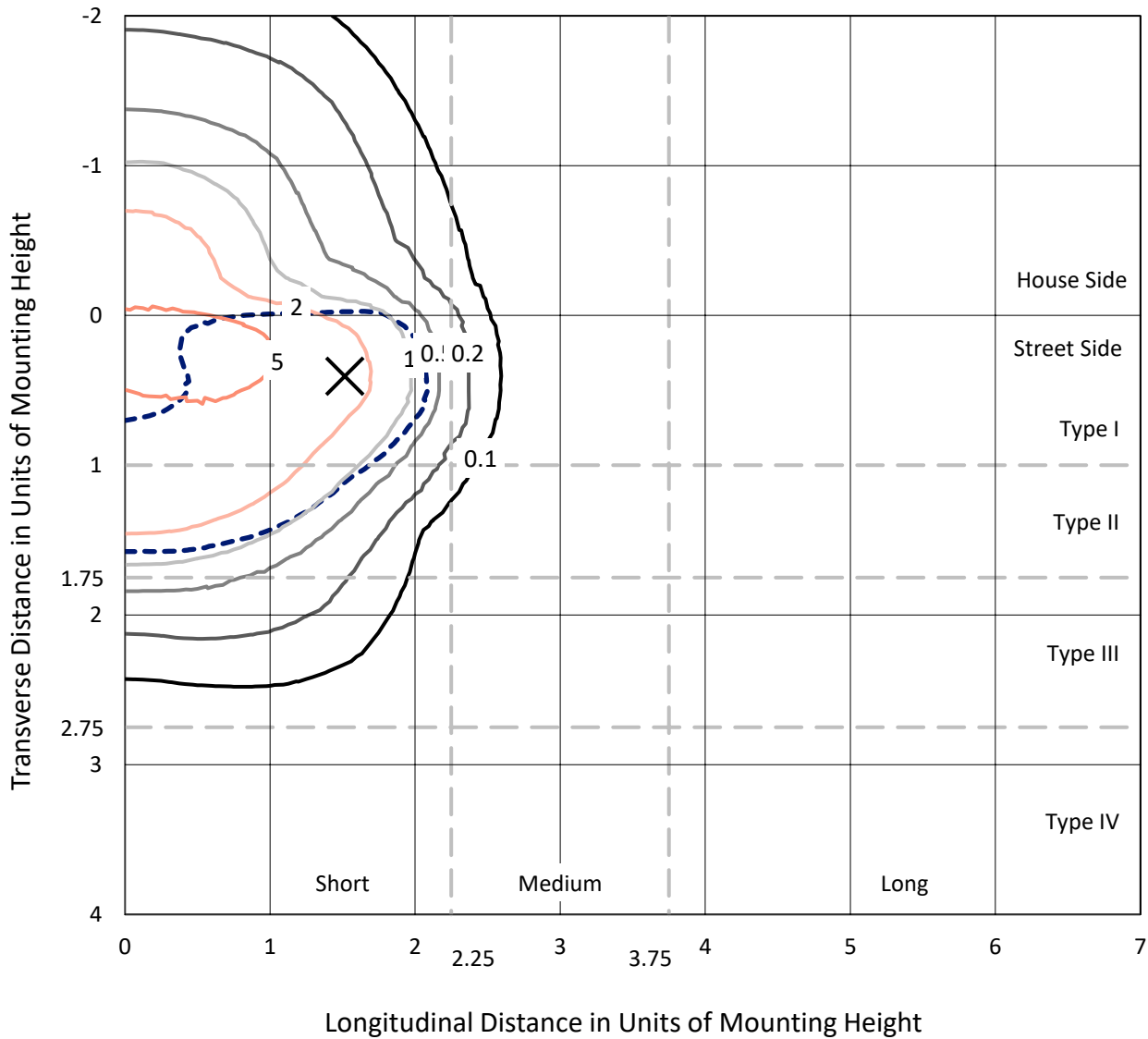
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

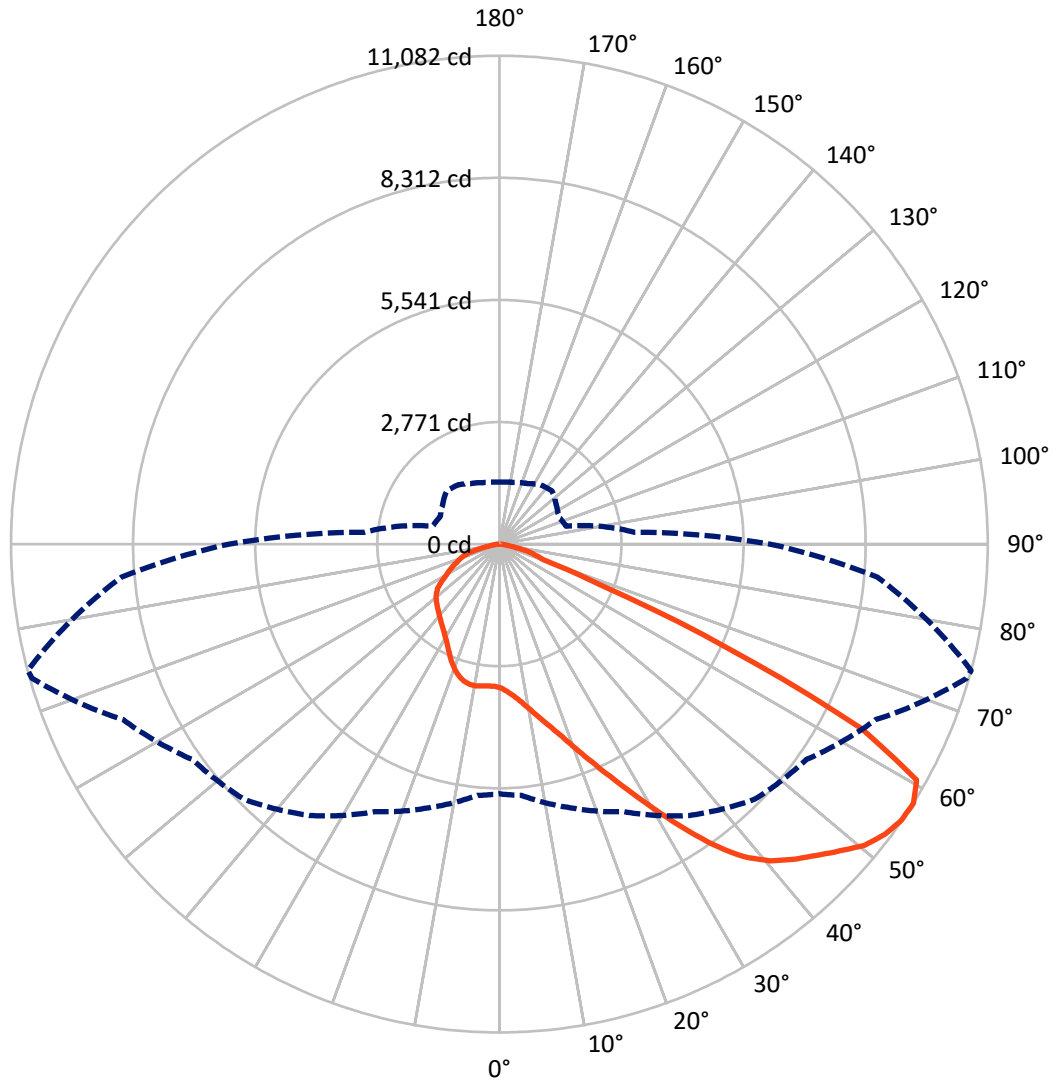
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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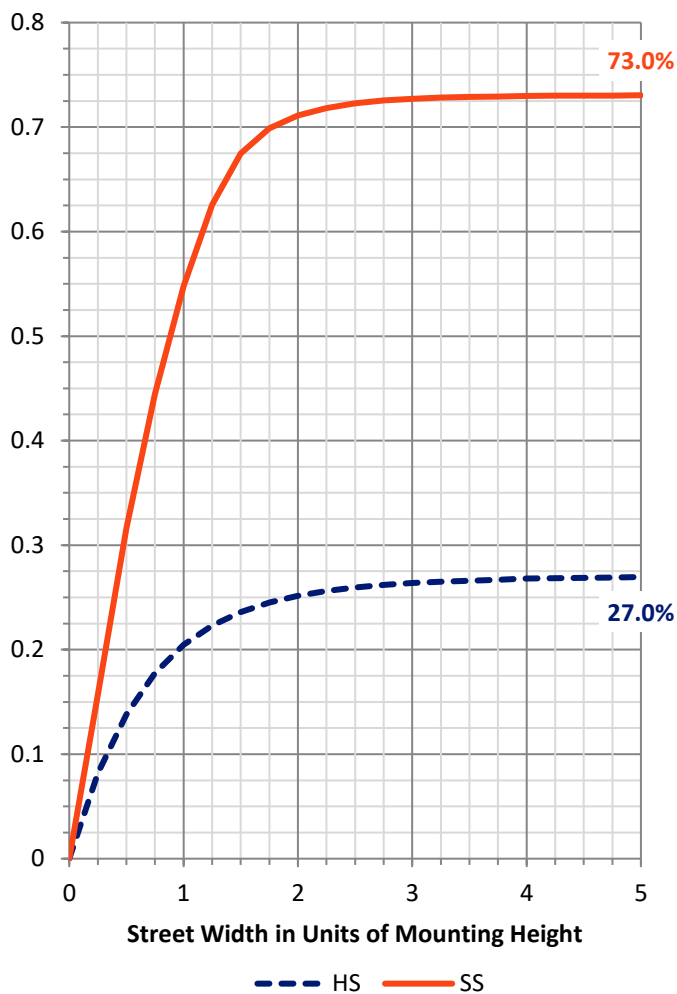
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4709.8	0.0	4709.8
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	12700.3	0.0	12700.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	17410.1	0.0	17410.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.3	1.9
10°-20°	1038.8	6.0
20°-30°	1842.3	10.6
30°-40°	2820.2	16.2
40°-50°	3926.9	22.6
50°-60°	4499.5	25.8
60°-70°	2311.9	13.3
70°-80°	582.1	3.3
80°-90°	62.2	0.4
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°	17410.1	100.0
0°-180°	17410.1	100.0

Coefficient of Utilization



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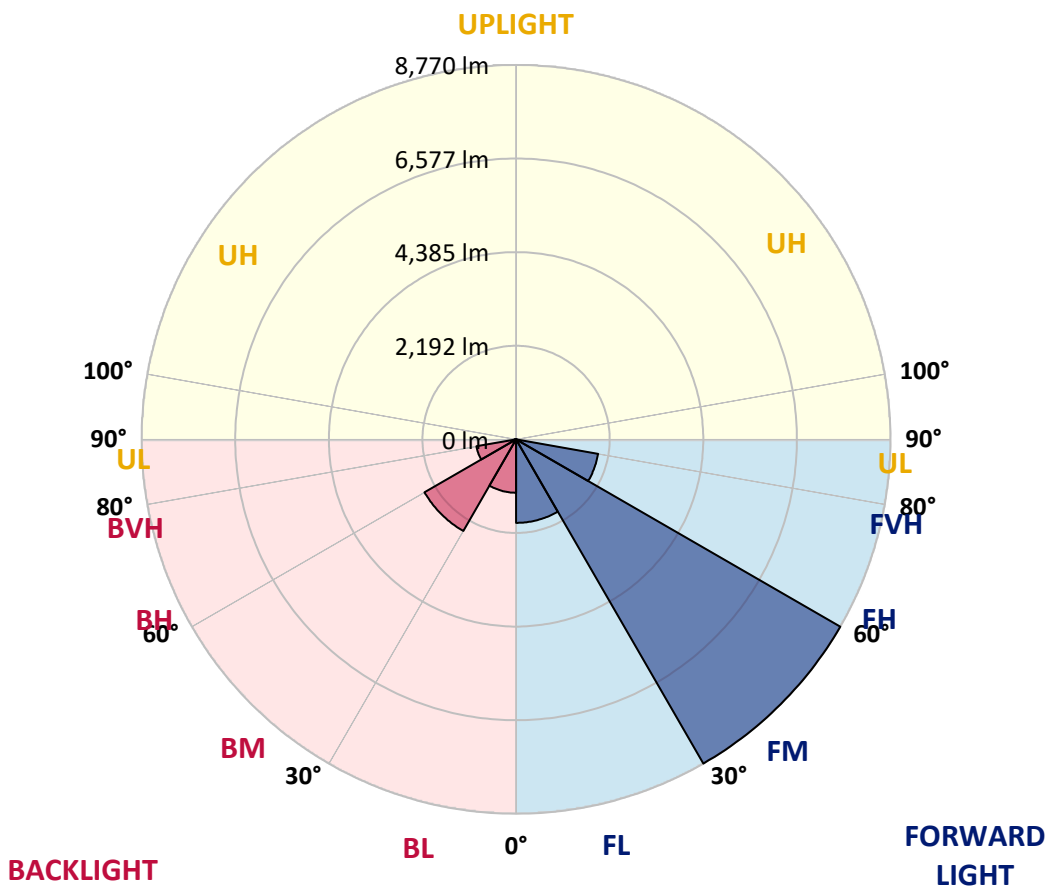
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1956.1	11.2			
FM (30°-60°)	8769.7	50.4			
FH (60°-80°)	1951.5	11.2			G2/5000
FVH (80°-90°)	23.0	0.1			G1/100
BL (0°-30°)	1251.2	7.2	B3/2500		
BM (30°-60°)	2476.9	14.2	B2/2500		
BH (60°-80°)	942.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	39.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5
2.5°	3503.0	3512.0	3503.0	3518.0	3488.0	3474.6	3441.6	3392.2	3353.3	3347.3	3303.9
5°	3775.5	3794.9	3783.0	3777.0	3736.5	3706.6	3657.2	3558.4	3477.6	3465.6	3380.3
7.5°	3950.6	3964.1	3964.1	3968.6	3953.6	3919.2	3866.8	3750.0	3636.2	3618.3	3489.5
10°	4009.0	4019.5	4038.9	4076.4	4106.3	4116.8	4082.4	3970.1	3830.9	3812.9	3633.2
12.5°	4022.5	4034.4	4064.4	4133.3	4215.6	4290.4	4296.4	4214.1	4058.4	4038.9	3799.4
15°	4047.9	4059.9	4100.3	4185.6	4306.9	4450.6	4538.9	4482.1	4309.9	4288.9	3988.0
17.5°	4044.9	4058.4	4118.3	4232.1	4395.2	4603.3	4774.0	4797.9	4619.8	4583.9	4202.1
20°	4037.4	4049.4	4113.8	4253.0	4455.1	4741.0	5049.4	5173.7	4982.1	4949.1	4452.1
22.5°	4097.3	4110.8	4160.2	4275.5	4486.5	4847.3	5303.9	5603.3	5411.7	5365.3	4739.5
25°	4232.1	4251.5	4281.5	4360.8	4543.4	4941.6	5564.4	6089.8	5893.7	5838.3	5052.4
27.5°	4440.1	4464.1	4506.0	4543.4	4670.7	5061.4	5823.4	6634.8	6438.7	6380.3	5383.3
30°	4694.6	4726.1	4780.0	4805.4	4892.2	5238.0	6104.8	7196.1	7082.4	7001.5	5756.0
32.5°	5046.4	5089.8	5140.7	5148.2	5200.6	5506.0	6383.3	7753.0	7751.5	7694.6	6179.7
35°	5504.5	5550.9	5561.4	5571.9	5597.3	5874.3	6720.1	8260.5	8456.6	8390.8	6640.7
37.5°	6004.5	6071.9	6088.4	6041.9	6077.9	6317.4	7098.8	8667.7	9070.4	9000.0	7086.9
40°	6539.0	6565.9	6610.8	6537.5	6582.4	6824.9	7470.1	8928.2	9528.5	9453.6	7438.7
42.5°	6922.2	6971.6	7039.0	7012.0	7037.5	7259.0	7730.6	9053.9	9854.8	9780.0	7691.7
45°	7338.4	7353.3	7396.7	7390.8	7405.7	7612.3	7917.7	9109.3	10146.8	10079.4	7907.2
47.5°	7700.6	7723.1	7751.5	7718.6	7685.7	7820.4	8070.4	9157.2	10483.6	10402.7	8133.3
50°	8049.4	8068.9	8103.3	8007.5	7884.8	7919.2	8145.2	9223.1	10799.4	10742.6	8311.4
52.5°	8113.8	8134.8	8296.4	8315.9	8158.7	8037.5	8277.0	9368.3	10985.1	10949.2	8375.8
55°	7303.9	7341.4	7663.2	8033.0	8420.7	8381.8	8488.1	9444.7	11058.4	11067.4	8491.1
57.5°	5669.2	5723.1	6193.1	6700.6	7516.5	8191.7	8515.0	9425.2	11033.0	11082.4	8609.3
60°	3718.6	3750.0	4306.9	4875.8	5721.6	6655.7	7621.3	9074.9	10806.9	10877.3	8579.4
62.5°	2245.5	2281.4	2729.1	3160.2	3658.7	4283.0	5169.2	7293.4	9058.4	9215.6	6871.3
65°	1567.4	1615.3	2007.5	2362.3	2534.4	2405.7	2618.3	4073.4	5643.7	5709.6	4199.1
67.5°	1136.2	1169.2	1491.0	1913.2	2103.3	1699.1	1294.9	1803.9	2458.1	2482.0	1732.0
70°	744.0	781.4	1073.4	1456.6	1717.1	1377.3	968.6	976.1	1034.4	1046.4	1006.0
72.5°	408.7	431.1	663.2	967.1	1015.0	823.4	756.0	811.4	851.8	851.8	862.3
75°	211.1	230.5	271.0	318.9	384.7	450.6	544.9	627.2	670.7	673.7	669.2
77.5°	107.8	115.3	145.2	157.2	172.2	200.6	260.5	333.8	372.8	387.7	384.7
80°	50.9	53.9	61.4	71.9	88.3	112.3	140.7	167.7	191.6	194.6	211.1
82.5°	26.9	29.9	32.9	38.9	47.9	59.9	82.3	98.8	113.8	116.8	130.2
85°	10.5	12.0	13.5	15.0	21.0	25.4	34.4	46.4	56.9	56.9	67.4
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	6.0	7.5	10.5	10.5	18.0
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°	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5	3260.5
2.5°	3293.4	3250.0	3230.6	3199.1	3173.7	3145.2	3122.8	3106.3	3095.8	3089.8	3083.8
5°	3347.3	3281.5	3229.1	3166.2	3122.8	3080.9	3046.4	3022.5	3010.5	3001.5	2995.5
7.5°	3431.2	3342.8	3244.0	3146.7	3070.4	3003.0	2959.6	2934.1	2917.7	2911.7	2907.2
10°	3546.4	3423.7	3260.5	3106.3	2992.5	2919.2	2889.2	2877.3	2878.8	2875.8	2874.3
12.5°	3676.7	3509.0	3256.0	3034.4	2908.7	2865.3	2866.8	2886.2	2908.7	2914.7	2916.2
15°	3817.4	3592.8	3212.6	2941.6	2842.8	2847.3	2886.2	2932.6	2974.6	2991.0	2994.0
17.5°	3970.1	3663.2	3133.2	2839.8	2788.9	2836.8	2908.7	2985.0	3046.4	3073.4	3080.9
20°	4140.7	3723.1	3021.0	2739.5	2738.0	2817.4	2922.2	3022.5	3100.3	3136.2	3142.2
22.5°	4321.9	3760.5	2883.2	2646.7	2685.6	2791.9	2911.7	3016.5	3098.8	3134.7	3142.2
25°	4504.5	3772.5	2732.0	2561.4	2631.7	2751.5	2860.8	2944.6	3022.5	3053.9	3059.9
27.5°	4675.2	3738.0	2588.3	2488.0	2582.3	2691.6	2765.0	2809.9	2863.8	2887.7	2892.2
30°	4848.8	3669.2	2467.1	2429.7	2527.0	2609.3	2642.2	2645.2	2666.2	2666.2	2669.2
32.5°	5024.0	3567.4	2360.8	2372.8	2458.1	2512.0	2516.5	2482.0	2456.6	2414.7	2413.2
35°	5226.1	3464.1	2274.0	2308.4	2377.3	2410.2	2396.7	2330.8	2269.5	2200.6	2197.6
37.5°	5413.2	3357.8	2200.6	2242.5	2285.9	2309.9	2278.5	2199.1	2148.2	2077.9	2067.4
40°	5567.4	3262.0	2130.2	2173.7	2194.6	2215.6	2164.7	2100.3	2107.8	2068.9	2067.4
42.5°	5657.2	3169.2	2064.4	2097.3	2110.8	2125.8	2080.8	2032.9	2073.4	2043.4	2044.9
45°	5723.1	3088.3	2004.5	2016.5	2049.4	2071.9	2029.9	1976.1	1985.0	1869.8	1842.8
47.5°	5797.9	3043.4	1947.6	1935.6	1994.0	2032.9	1968.6	1890.7	1836.8	1723.1	1712.6
50°	5877.3	3027.0	1887.7	1854.8	1925.2	1962.6	1887.7	1790.4	1720.1	1658.7	1652.7
52.5°	5904.2	3025.5	1812.9	1757.5	1827.9	1880.2	1817.4	1718.6	1634.7	1574.9	1571.9
55°	6010.5	3068.9	1717.1	1624.3	1690.1	1797.9	1751.5	1609.3	1541.9	1515.0	1512.0
57.5°	6134.8	3076.4	1565.9	1479.0	1570.4	1697.6	1639.2	1516.5	1443.1	1410.2	1407.2
60°	6083.9	2892.2	1404.2	1368.3	1468.6	1603.3	1549.4	1443.1	1357.8	1326.4	1323.4
62.5°	4636.2	2041.9	1285.9	1272.5	1359.3	1467.1	1456.6	1345.8	1265.0	1242.5	1239.5
65°	2788.9	1434.1	1172.2	1170.7	1232.0	1335.3	1348.8	1259.0	1173.7	1142.2	1142.2
67.5°	1378.7	1097.3	1043.4	1035.9	1074.9	1148.2	1205.1	1131.7	1059.9	1029.9	1025.5
70°	974.6	967.1	949.1	928.1	935.6	965.6	989.5	928.1	851.8	821.9	815.9
72.5°	842.8	844.3	832.3	815.9	809.9	788.9	768.0	723.1	676.6	645.2	648.2
75°	654.2	657.2	664.7	658.7	642.2	619.8	597.3	540.4	503.0	473.1	467.1
77.5°	381.7	396.7	420.7	414.7	417.7	386.2	377.2	321.9	287.4	266.5	262.0
80°	215.6	224.6	235.0	242.5	233.5	220.1	200.6	170.7	160.2	145.2	142.2
82.5°	130.2	139.2	143.7	149.7	146.7	128.7	113.8	94.3	85.3	77.8	76.3
85°	65.9	71.9	76.3	79.3	70.4	58.4	52.4	41.9	35.9	31.4	31.4
87.5°	16.5	18.0	21.0	18.0	16.5	7.5	6.0	1.5	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)