

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: P642999

Luminaire Tested: GWS-SA6E-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642999
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-SAGE-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27490.6 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

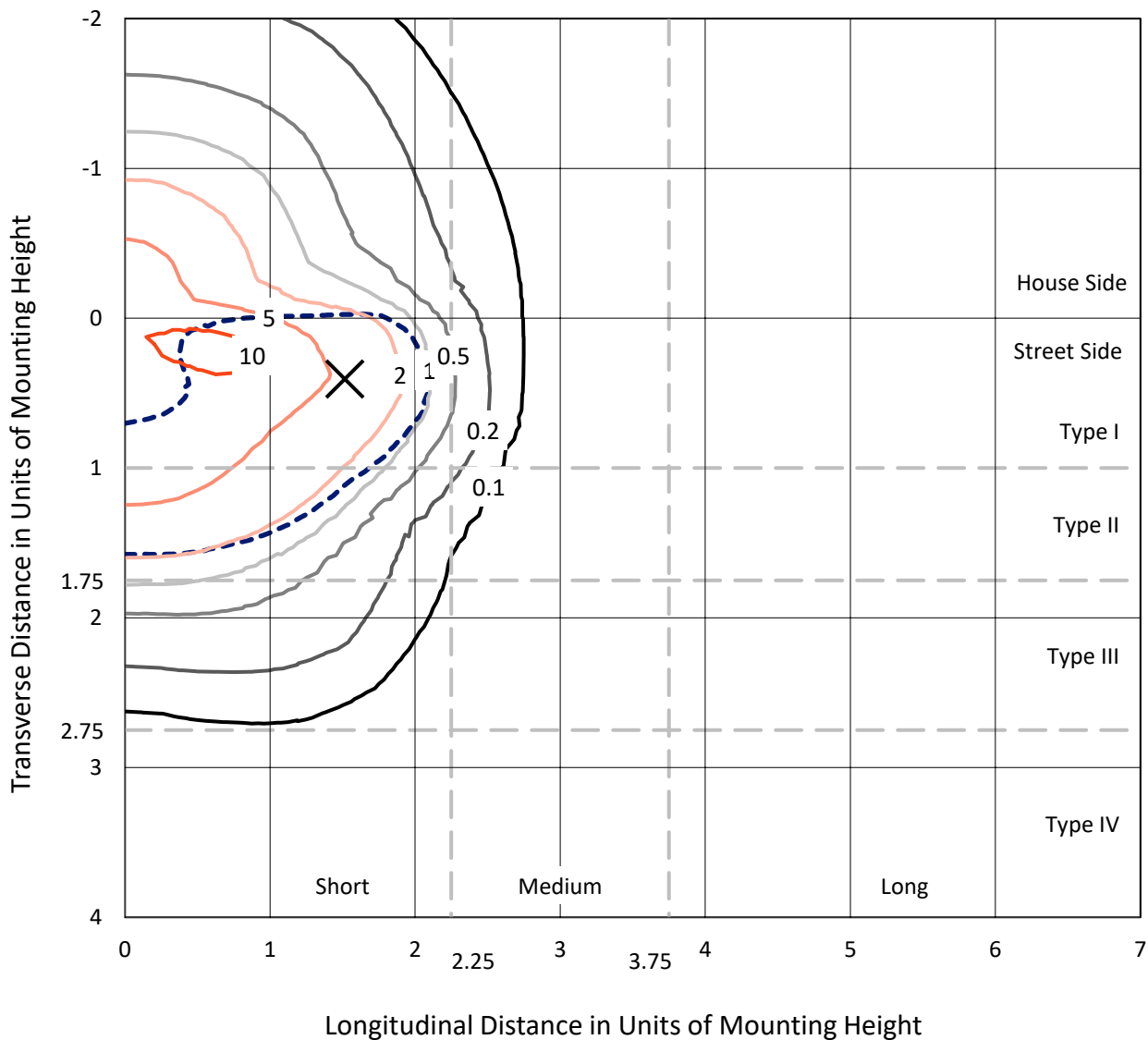
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

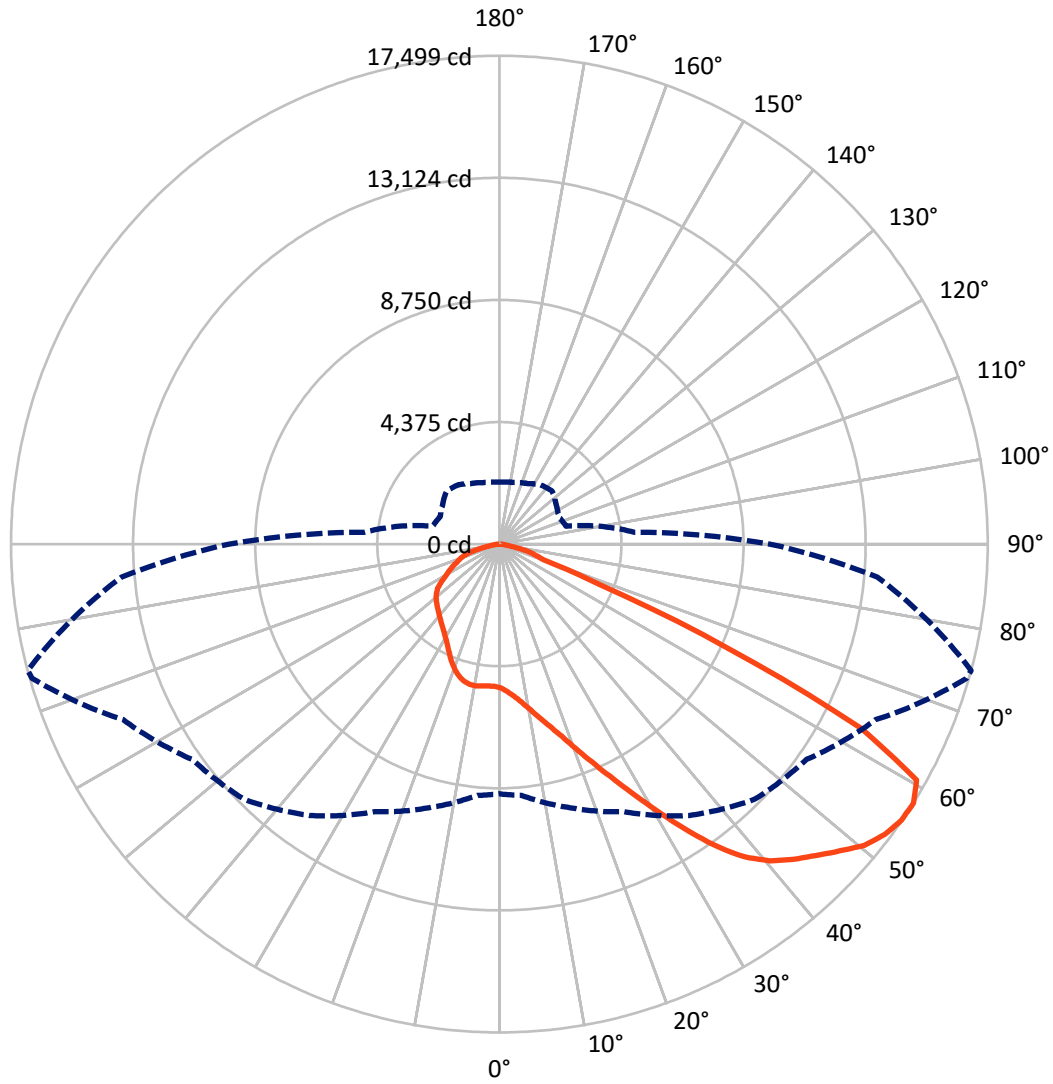
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	7436.8	0.0	7436.8
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	20053.8	0.0	20053.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	27490.6	0.0	27490.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.2	1.9
10°-20°	1640.3	6.0
20°-30°	2909.0	10.6
30°-40°	4453.1	16.2
40°-50°	6200.6	22.6
50°-60°	7104.7	25.8
60°-70°	3650.5	13.3
70°-80°	919.0	3.3
80°-90°	98.3	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°	27490.6	100.0
0°-180°	27490.6	100.0

Coefficient of Utilization



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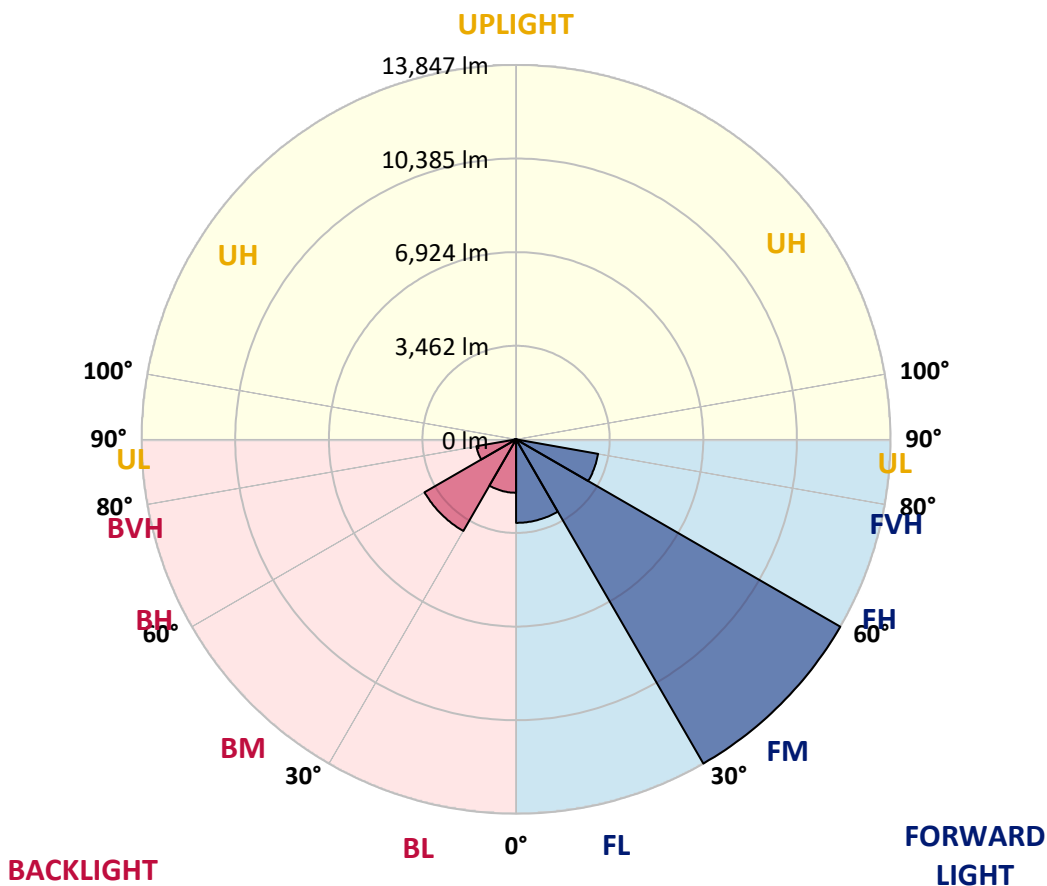
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3088.7	11.2			
FM (30°-60°)	13847.3	50.4			
FH (60°-80°)	3081.4	11.2			G2/5000
FVH (80°-90°)	36.4	0.1			G1/100
BL (0°-30°)	1975.7	7.2	B3/2500		
BM (30°-60°)	3911.1	14.2	B3/5000		
BH (60°-80°)	1488.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	61.9	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3
2.5°	5531.3	5545.4	5531.3	5554.9	5507.6	5486.4	5434.3	5356.3	5294.9	5285.4	5216.9
5°	5961.5	5992.2	5973.3	5963.8	5900.0	5852.7	5774.7	5618.7	5491.1	5472.2	5337.4
7.5°	6238.0	6259.3	6259.3	6266.4	6242.8	6188.4	6105.7	5921.3	5741.6	5713.3	5510.0
10°	6330.2	6346.8	6377.5	6436.6	6483.9	6500.4	6446.0	6268.8	6048.9	6020.6	5736.9
12.5°	6351.5	6370.4	6417.7	6526.4	6656.4	6774.6	6784.1	6654.1	6408.2	6377.5	5999.3
15°	6391.7	6410.6	6474.4	6609.2	6800.6	7027.5	7167.0	7077.2	6805.3	6772.3	6297.1
17.5°	6387.0	6408.2	6502.8	6682.4	6940.1	7268.6	7538.1	7575.9	7294.6	7237.9	6635.2
20°	6375.1	6394.0	6495.7	6715.5	7034.6	7486.1	7973.1	8169.2	7866.7	7814.7	7029.9
22.5°	6469.7	6491.0	6569.0	6751.0	7084.3	7653.9	8374.9	8847.7	8545.1	8471.8	7483.8
25°	6682.4	6713.2	6760.4	6885.7	7174.1	7802.9	8786.2	9615.9	9306.2	9218.8	7977.8
27.5°	7011.0	7048.8	7115.0	7174.1	7375.0	7992.0	9195.1	10476.3	10166.7	10074.5	8500.2
30°	7412.8	7462.5	7547.6	7587.8	7724.9	8270.9	9639.5	11362.7	11183.1	11055.4	9088.8
32.5°	7968.3	8036.9	8117.2	8129.1	8211.8	8694.0	10079.2	12242.1	12239.7	12149.9	9757.7
35°	8691.6	8764.9	8781.5	8798.0	8838.2	9275.5	10611.0	13043.4	13353.0	13249.0	10485.8
37.5°	9481.2	9587.5	9613.5	9540.2	9597.0	9975.2	11209.1	13686.3	14322.2	14211.1	11190.2
40°	10325.0	10367.6	10438.5	10322.7	10393.6	10776.5	11795.3	14097.6	15045.5	14927.3	11745.7
42.5°	10930.2	11008.2	11114.5	11072.0	11112.2	11462.0	12206.6	14296.2	15560.8	15442.6	12145.1
45°	11587.3	11610.9	11679.5	11670.0	11693.7	12019.9	12502.1	14383.6	16021.8	15915.4	12485.5
47.5°	12159.3	12194.8	12239.7	12187.7	12135.7	12348.4	12743.2	14459.3	16553.6	16426.0	12842.5
50°	12710.1	12740.8	12795.2	12643.9	12450.1	12504.4	12861.4	14563.3	17052.4	16962.5	13123.7
52.5°	12811.7	12844.8	13100.1	13130.8	12882.6	12691.2	13069.4	14792.6	17345.5	17288.7	13225.4
55°	11532.9	11592.0	12100.2	12684.1	13296.3	13234.8	13402.7	14913.1	17461.3	17475.5	13407.4
57.5°	8951.7	9036.8	9779.0	10580.3	11868.6	12934.6	13445.2	14882.4	17421.1	17499.1	13594.1
60°	5871.6	5921.3	6800.6	7698.9	9034.4	10509.4	12034.0	14329.3	17064.2	17175.3	13546.9
62.5°	3545.7	3602.4	4309.2	4990.0	5777.1	6762.8	8162.2	11516.4	14303.3	14551.5	10849.8
65°	2474.9	2550.5	3169.8	3730.1	4001.9	3798.6	4134.3	6431.9	8911.5	9015.5	6630.4
67.5°	1794.1	1846.1	2354.3	3020.9	3321.1	2682.9	2044.7	2848.4	3881.3	3919.2	2734.9
70°	1174.8	1233.9	1694.8	2300.0	2711.3	2174.7	1529.4	1541.2	1633.4	1652.3	1588.5
72.5°	645.3	680.8	1047.2	1527.0	1602.6	1300.1	1193.7	1281.2	1345.0	1345.0	1361.5
75°	333.3	364.0	427.8	503.5	607.5	711.5	860.4	990.4	1059.0	1063.7	1056.6
77.5°	170.2	182.0	229.3	248.2	271.8	316.7	411.3	527.1	588.6	612.2	607.5
80°	80.4	85.1	96.9	113.5	139.5	177.3	222.2	264.7	302.6	307.3	333.3
82.5°	42.5	47.3	52.0	61.5	75.6	94.6	130.0	156.0	179.6	184.4	205.6
85°	16.5	18.9	21.3	23.6	33.1	40.2	54.4	73.3	89.8	89.8	106.4
87.5°	0.0	0.0	0.0	0.0	2.4	4.7	9.5	11.8	16.5	16.5	28.4
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°	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3	5148.3
2.5°	5200.3	5131.8	5101.1	5051.4	5011.2	4966.3	4930.9	4904.9	4888.3	4878.9	4869.4
5°	5285.4	5181.4	5098.7	4999.4	4930.9	4864.7	4810.3	4772.5	4753.6	4739.4	4729.9
7.5°	5417.8	5278.3	5122.3	4968.7	4848.1	4741.8	4673.2	4633.0	4607.0	4597.6	4590.5
10°	5599.8	5406.0	5148.3	4904.9	4725.2	4609.4	4562.1	4543.2	4545.6	4540.8	4538.5
12.5°	5805.5	5540.7	5141.2	4791.4	4592.8	4524.3	4526.7	4557.4	4592.8	4602.3	4604.7
15°	6027.7	5673.1	5072.7	4644.8	4488.8	4495.9	4557.4	4630.7	4696.8	4722.8	4727.6
17.5°	6268.8	5784.2	4947.4	4484.1	4403.7	4479.4	4592.8	4713.4	4810.3	4852.9	4864.7
20°	6538.2	5878.7	4770.1	4325.7	4323.4	4448.6	4614.1	4772.5	4895.4	4952.1	4961.6
22.5°	6824.3	5937.8	4552.7	4179.2	4240.6	4408.5	4597.6	4763.0	4893.0	4949.8	4961.6
25°	7112.6	5956.7	4313.9	4044.4	4155.5	4344.6	4517.2	4649.6	4772.5	4822.1	4831.6
27.5°	7382.1	5902.4	4087.0	3928.6	4077.5	4250.1	4365.9	4436.8	4521.9	4559.7	4566.8
30°	7656.3	5793.6	3895.5	3836.4	3990.1	4120.1	4172.1	4176.8	4209.9	4209.9	4214.6
32.5°	7932.9	5632.9	3727.7	3746.6	3881.3	3966.4	3973.5	3919.2	3879.0	3812.8	3810.4
35°	8252.0	5469.8	3590.6	3645.0	3753.7	3805.7	3784.4	3680.4	3583.5	3474.8	3470.0
37.5°	8547.5	5302.0	3474.8	3541.0	3609.5	3647.3	3597.7	3472.4	3392.0	3280.9	3264.4
40°	8790.9	5150.7	3363.7	3432.2	3465.3	3498.4	3418.0	3316.4	3328.2	3266.8	3264.4
42.5°	8932.8	5004.1	3259.7	3311.7	3332.9	3356.6	3285.7	3210.0	3273.8	3226.6	3228.9
45°	9036.8	4876.5	3165.1	3184.0	3236.0	3271.5	3205.3	3120.2	3134.4	2952.4	2909.8
47.5°	9154.9	4805.6	3075.3	3056.4	3148.6	3210.0	3108.4	2985.5	2900.4	2720.7	2704.2
50°	9280.2	4779.6	2980.7	2928.7	3039.8	3098.9	2980.7	2827.1	2716.0	2619.1	2609.6
52.5°	9322.8	4777.2	2862.5	2775.1	2886.2	2968.9	2869.6	2713.6	2581.3	2486.7	2482.0
55°	9490.6	4845.8	2711.3	2564.7	2668.7	2838.9	2765.6	2541.1	2434.7	2392.2	2387.4
57.5°	9686.8	4857.6	2472.5	2335.4	2479.6	2680.5	2588.3	2394.5	2278.7	2226.7	2222.0
60°	9606.4	4566.8	2217.2	2160.5	2318.9	2531.6	2446.5	2278.7	2144.0	2094.3	2089.6
62.5°	7320.7	3224.2	2030.5	2009.2	2146.3	2316.5	2300.0	2125.0	1997.4	1961.9	1957.2
65°	4403.7	2264.5	1850.8	1848.5	1945.4	2108.5	2129.8	1987.9	1853.2	1803.6	1803.6
67.5°	2177.0	1732.7	1647.6	1635.7	1697.2	1813.0	1902.8	1787.0	1673.6	1626.3	1619.2
70°	1538.8	1527.0	1498.6	1465.5	1477.4	1524.6	1562.5	1465.5	1345.0	1297.7	1288.3
72.5°	1330.8	1333.2	1314.3	1288.3	1278.8	1245.7	1212.6	1141.7	1068.4	1018.8	1023.5
75°	1033.0	1037.7	1049.5	1040.1	1014.1	978.6	943.2	853.3	794.2	747.0	737.5
77.5°	602.8	626.4	664.2	654.8	659.5	609.9	595.7	508.2	453.8	420.8	413.7
80°	340.4	354.6	371.1	382.9	368.8	347.5	316.7	269.5	252.9	229.3	224.6
82.5°	205.6	219.8	226.9	236.4	231.7	203.3	179.6	148.9	134.7	122.9	120.6
85°	104.0	113.5	120.6	125.3	111.1	92.2	82.7	66.2	56.7	49.6	49.6
87.5°	26.0	28.4	33.1	28.4	26.0	11.8	9.5	2.4	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)