

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: P641664

Luminaire Tested: GWS-SA6B-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17487.9 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

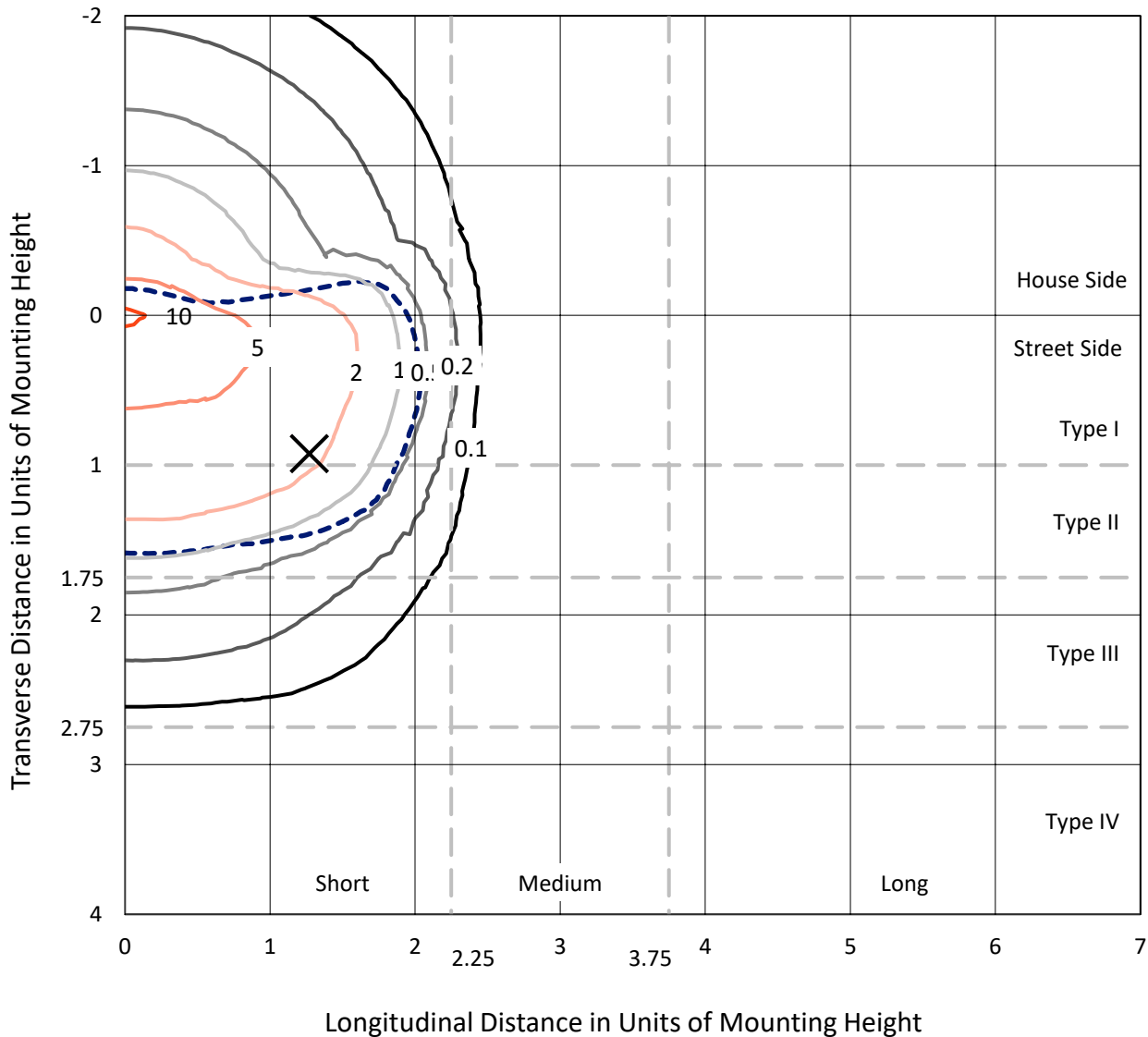
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

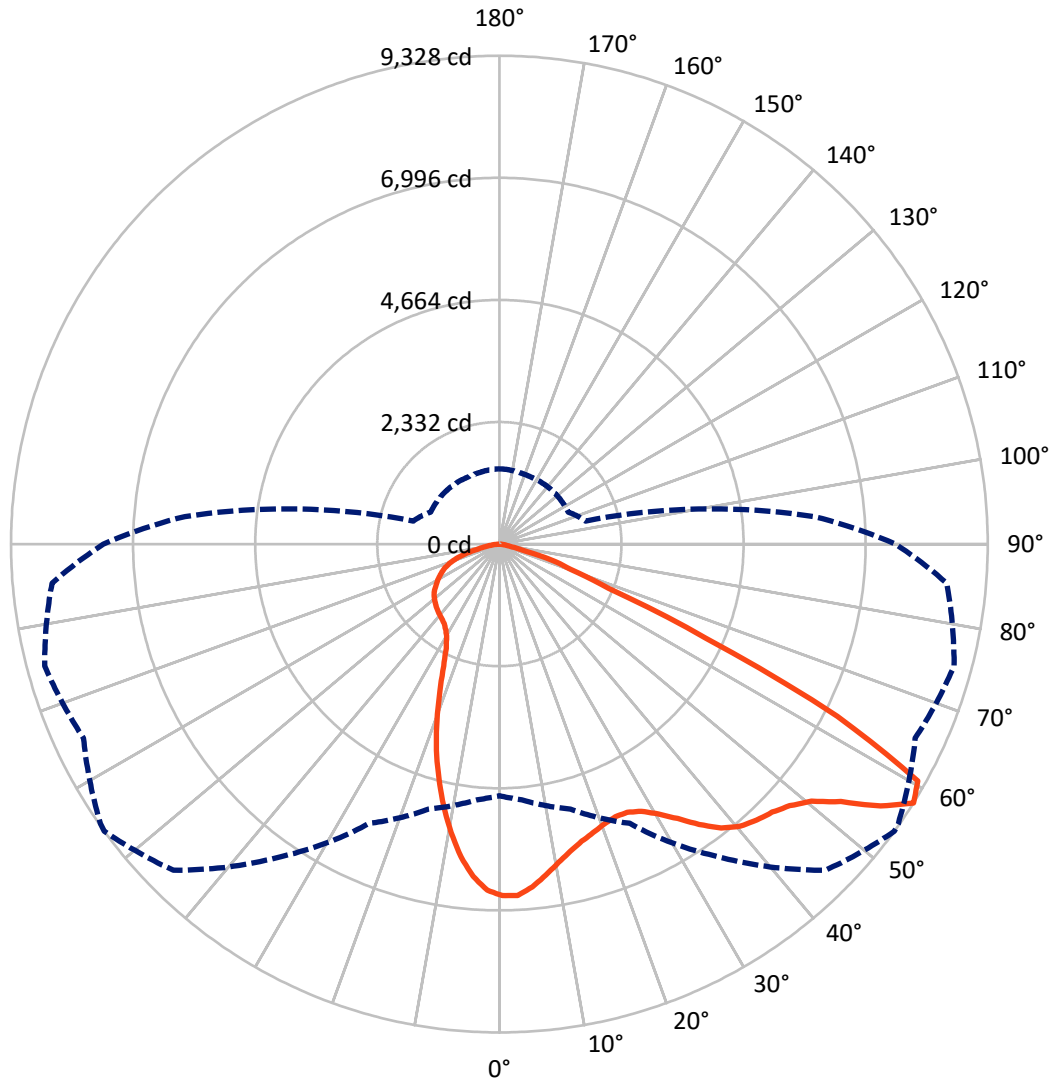
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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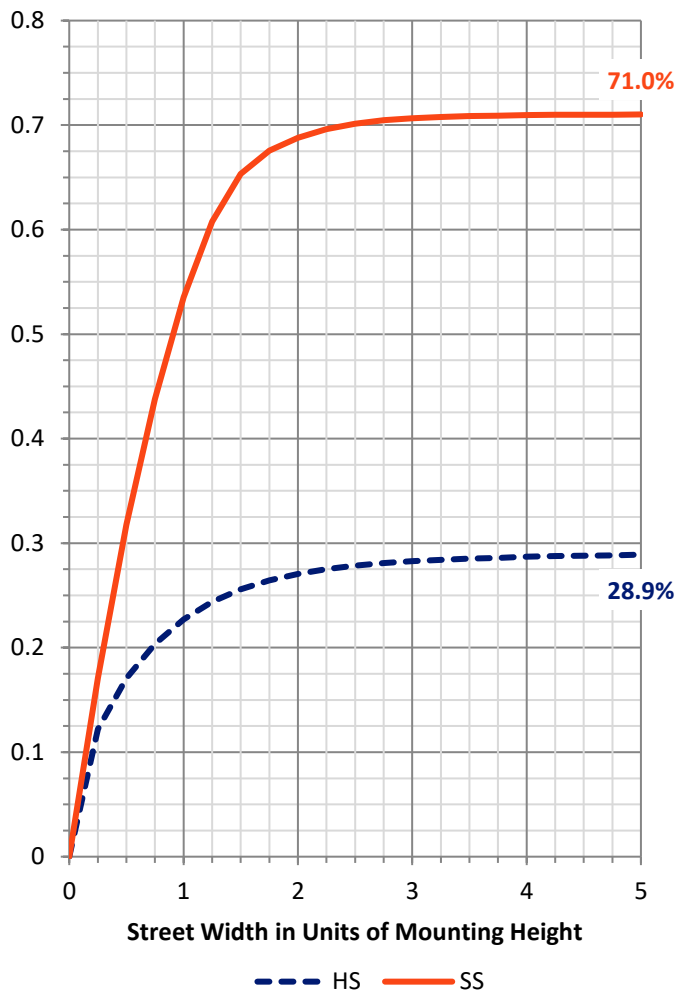
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5083.9	0.0	5083.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	12404.0	0.0	12404.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	17487.9	0.0	17487.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.2	3.4
10°-20°	1408.2	8.1
20°-30°	1948.7	11.1
30°-40°	2707.7	15.5
40°-50°	3576.1	20.4
50°-60°	4249.7	24.3
60°-70°	2354.4	13.5
70°-80°	586.3	3.4
80°-90°	66.7	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°	17487.9	100.0
0°-180°	17487.9	100.0

Coefficient of Utilization



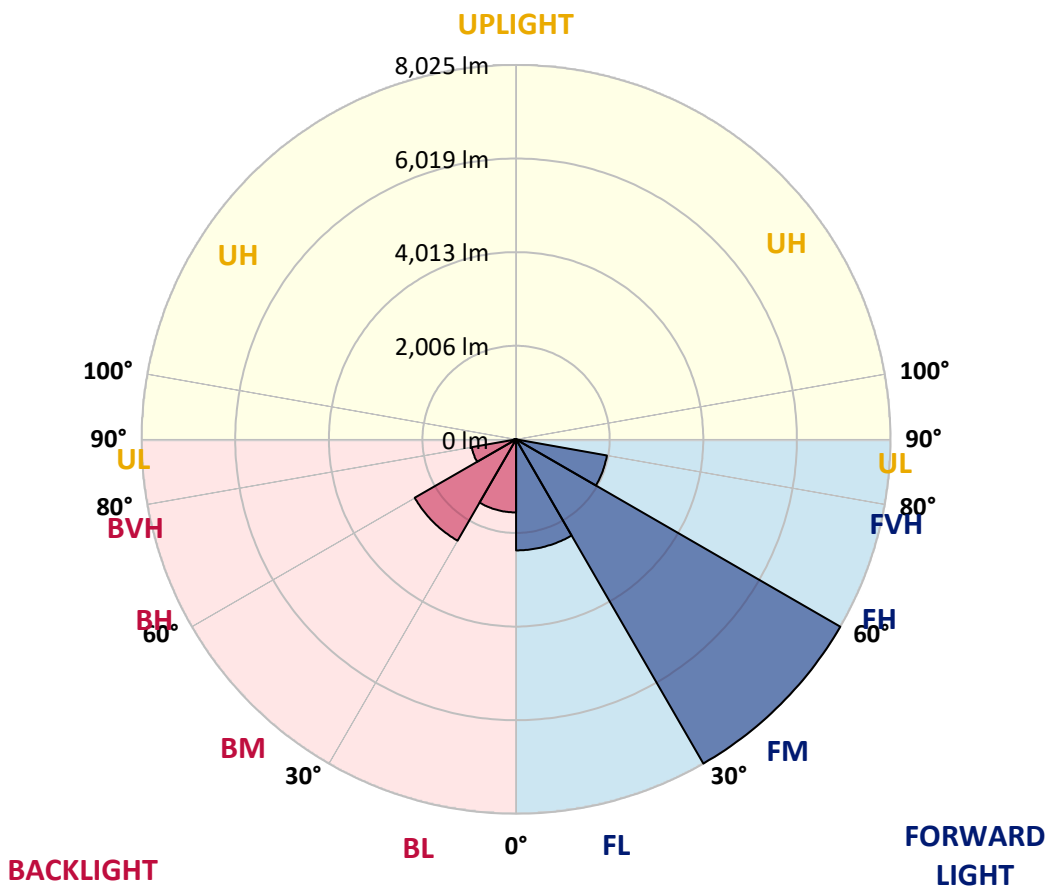
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2380.4	13.6			
FM (30°-60°)	8025.5	45.9			
FH (60°-80°)	1977.2	11.3			G2/5000
FVH (80°-90°)	20.9	0.1			G1/100
BL (0°-30°)	1566.7	9.0	B3/2500		
BM (30°-60°)	2508.0	14.3	B3/5000		
BH (60°-80°)	963.4	5.5	B2/1000		G2/1000
BVH (80°-90°)	45.8	0.3			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°	54°	55°	65°	75°	85°
0°	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0
2.5°	6588.3	6601.7	6610.7	6642.1	6669.1	6693.0	6718.5	6718.5	6717.0	6712.5	6703.5
5°	6327.8	6342.7	6363.7	6407.1	6465.5	6507.4	6576.3	6582.3	6612.2	6624.2	6618.2
7.5°	6025.4	6029.9	6056.8	6113.7	6206.5	6281.4	6380.2	6392.1	6464.0	6505.9	6498.4
10°	5694.6	5679.6	5727.5	5811.3	5932.6	6058.3	6185.6	6196.0	6311.3	6390.7	6384.7
12.5°	5392.2	5393.7	5441.6	5543.4	5694.6	5850.2	6020.9	6044.8	6187.1	6288.9	6278.4
15°	5139.2	5145.2	5203.5	5318.8	5491.0	5676.6	5889.2	5911.6	6091.3	6226.0	6196.0
17.5°	4937.1	4943.1	4994.0	5125.7	5309.8	5534.4	5793.4	5815.8	6038.9	6199.0	6137.7
20°	4797.9	4794.9	4844.3	4970.0	5160.1	5404.1	5709.5	5742.5	6022.4	6209.5	6098.7
22.5°	4741.0	4739.5	4775.4	4878.7	5056.8	5303.8	5658.6	5703.5	6040.4	6255.9	6074.8
25°	4769.4	4763.4	4794.9	4871.2	5013.4	5264.9	5673.6	5721.5	6116.7	6351.7	6079.3
27.5°	4857.7	4850.2	4877.2	4946.1	5053.8	5305.3	5778.4	5833.8	6278.4	6526.9	6139.2
30°	4992.5	4988.0	5014.9	5080.8	5175.1	5440.1	5979.0	6041.9	6528.4	6799.3	6269.4
32.5°	5149.6	5142.2	5190.1	5266.4	5375.7	5685.6	6248.4	6330.8	6824.8	7149.6	6488.0
35°	5326.3	5320.3	5386.2	5496.9	5654.1	6026.9	6574.8	6664.6	7127.2	7546.3	6778.4
37.5°	5498.4	5498.4	5625.7	5790.4	5988.0	6398.1	6881.7	6938.6	7336.7	7898.1	7089.7
40°	5651.1	5660.1	5851.7	6098.7	6350.2	6733.5	7083.8	7131.7	7429.6	8140.6	7360.7
42.5°	5820.3	5827.8	6050.8	6374.2	6673.6	7004.4	7206.5	7230.5	7447.5	8261.9	7552.3
45°	5955.0	5965.5	6242.4	6588.3	6955.0	7208.0	7303.8	7324.8	7473.0	8327.8	7691.5
47.5°	6025.4	6040.4	6357.7	6760.4	7145.1	7390.6	7464.0	7473.0	7577.8	8443.0	7859.2
50°	6013.4	6043.4	6401.1	6845.7	7285.9	7574.8	7721.5	7736.4	7791.8	8612.2	8055.3
52.5°	6119.7	6133.2	6493.9	6947.5	7486.4	7914.6	8169.1	8190.0	8164.6	8739.4	8172.1
55°	5943.1	6007.4	6378.7	6932.6	7791.8	8440.0	8832.2	8821.8	8502.9	8881.6	8366.7
57.5°	4806.8	4901.1	5241.0	5884.7	7288.8	8808.3	9327.7	9302.3	8764.9	8990.9	8577.8
60°	3327.8	3342.8	3649.7	4106.2	5625.7	7781.4	9182.5	9237.9	8812.8	8853.2	8187.0
62.5°	2661.6	2657.2	2685.6	2697.6	3577.8	5470.0	7248.4	7450.5	7321.8	6898.1	5802.3
65°	2272.4	2288.9	2372.7	2329.3	2335.3	3080.8	4330.8	4359.2	4269.4	4116.7	3068.8
67.5°	1778.4	1806.9	1955.1	2124.2	2070.3	1983.5	2247.0	2233.5	1760.5	1362.3	1125.7
70°	1113.8	1131.7	1290.4	1667.6	1802.4	1628.7	1444.6	1438.6	943.1	775.4	850.3
72.5°	649.7	652.7	697.6	929.6	1196.1	1113.8	1062.9	1023.9	606.3	618.3	678.1
75°	357.8	357.8	356.3	401.2	471.6	417.7	404.2	393.7	405.7	459.6	504.5
77.5°	74.8	76.3	80.8	106.3	137.7	167.7	211.1	212.6	265.0	306.9	342.8
80°	34.4	35.9	44.9	56.9	73.4	97.3	128.7	130.2	160.2	193.1	217.1
82.5°	18.0	19.5	24.0	29.9	38.9	50.9	71.9	71.9	95.8	113.8	128.7
85°	6.0	6.0	9.0	12.0	16.5	21.0	28.4	28.4	41.9	55.4	64.4
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	6.0	6.0	7.5	9.0	15.0
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°	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0
2.5°	6684.1	6637.7	6639.2	6648.1	6619.7	6576.3	6547.8	6511.9	6489.5	6485.0	6501.4
5°	6588.3	6534.4	6496.9	6458.0	6377.2	6281.4	6206.5	6145.1	6104.7	6089.8	6071.8
7.5°	6456.5	6386.2	6291.9	6182.6	6035.9	5865.2	5745.4	5633.2	5555.3	5532.9	5522.4
10°	6324.8	6223.0	6055.3	5851.7	5607.7	5377.2	5160.1	4994.0	4862.2	4787.4	4811.3
12.5°	6188.6	6062.8	5800.8	5488.0	5148.1	4800.8	4516.4	4241.0	4028.4	3922.1	3890.7
15°	6068.8	5898.1	5532.9	5109.2	4657.1	4220.0	3808.3	3395.2	3125.7	2979.0	2938.6
17.5°	5967.0	5745.4	5249.9	4723.0	4182.6	3559.8	3053.9	2670.6	2486.5	2405.7	2399.7
20°	5866.7	5595.8	4970.0	4306.8	3634.7	2937.1	2485.0	2305.4	2239.5	2211.1	2209.6
22.5°	5776.9	5438.6	4675.1	3890.7	3089.8	2468.5	2220.0	2142.2	2124.2	2124.2	2121.2
25°	5700.5	5281.4	4372.7	3449.1	2597.3	2197.6	2082.3	2049.4	2056.9	2070.3	2071.8
27.5°	5669.1	5158.6	4080.8	2995.5	2257.5	2040.4	1988.0	1983.5	2004.5	2025.4	2028.4
30°	5702.0	5074.8	3781.4	2561.4	2053.9	1944.6	1920.6	1929.6	1955.1	1976.0	1976.0
32.5°	5803.8	5032.9	3476.0	2244.0	1935.6	1877.2	1869.7	1878.7	1898.2	1910.2	1911.7
35°	5976.0	5049.3	3160.1	2029.9	1859.3	1827.8	1826.3	1832.3	1839.8	1847.3	1848.8
37.5°	6193.0	5122.7	2821.8	1905.7	1809.9	1791.9	1788.9	1787.4	1788.9	1788.9	1790.4
40°	6405.6	5233.5	2519.4	1832.3	1775.4	1760.5	1753.0	1742.5	1741.0	1738.0	1736.5
42.5°	6562.8	5318.8	2278.4	1779.9	1744.0	1726.0	1717.0	1700.6	1699.1	1697.6	1696.1
45°	6681.1	5390.7	2077.8	1729.0	1711.1	1694.6	1675.1	1660.2	1663.2	1666.2	1666.2
47.5°	6814.3	5453.5	1931.1	1681.1	1670.6	1654.2	1630.2	1619.7	1630.2	1640.7	1640.7
50°	6976.0	5541.9	1811.4	1633.2	1628.7	1609.3	1588.3	1583.8	1595.8	1610.8	1610.8
52.5°	7094.2	5618.2	1726.0	1585.3	1585.3	1559.9	1541.9	1540.4	1553.9	1568.8	1570.3
55°	7315.8	5796.3	1696.1	1529.9	1523.9	1504.5	1491.0	1480.5	1497.0	1510.5	1510.5
57.5°	7565.8	6032.9	1703.6	1450.6	1443.1	1437.1	1426.6	1414.7	1419.1	1434.1	1435.6
60°	7035.9	5574.8	1621.2	1371.2	1366.8	1363.8	1350.3	1329.3	1335.3	1347.3	1348.8
62.5°	4914.6	3705.1	1311.4	1272.4	1287.4	1285.9	1268.0	1244.0	1245.5	1262.0	1262.0
65°	2550.9	2004.5	1151.2	1182.6	1205.1	1196.1	1166.2	1145.2	1142.2	1163.2	1158.7
67.5°	1100.3	1094.3	1047.9	1088.3	1112.3	1092.8	1061.4	1026.9	1029.9	1037.4	1031.4
70°	886.2	913.2	932.6	976.0	995.5	959.6	925.1	905.7	889.2	887.7	877.2
72.5°	708.1	745.5	788.9	833.8	839.8	803.9	760.5	742.5	717.1	715.6	705.1
75°	532.9	564.4	598.8	634.7	634.7	600.3	571.9	562.9	532.9	523.9	515.0
77.5°	363.8	383.2	410.2	419.2	428.1	414.7	386.2	371.3	336.8	327.8	315.9
80°	229.0	242.5	259.0	265.0	273.9	257.5	235.0	218.6	194.6	187.1	181.1
82.5°	137.7	146.7	157.2	160.2	167.7	155.7	134.7	122.8	109.3	103.3	98.8
85°	70.4	74.8	80.8	82.3	80.8	68.9	61.4	55.4	46.4	44.9	41.9
87.5°	18.0	21.0	22.5	21.0	19.5	15.0	10.5	7.5	3.0	3.0	1.5
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)