

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: P636274

Luminaire Tested: GWS-SA3F-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636274
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-SA3F-740-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20476.1 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

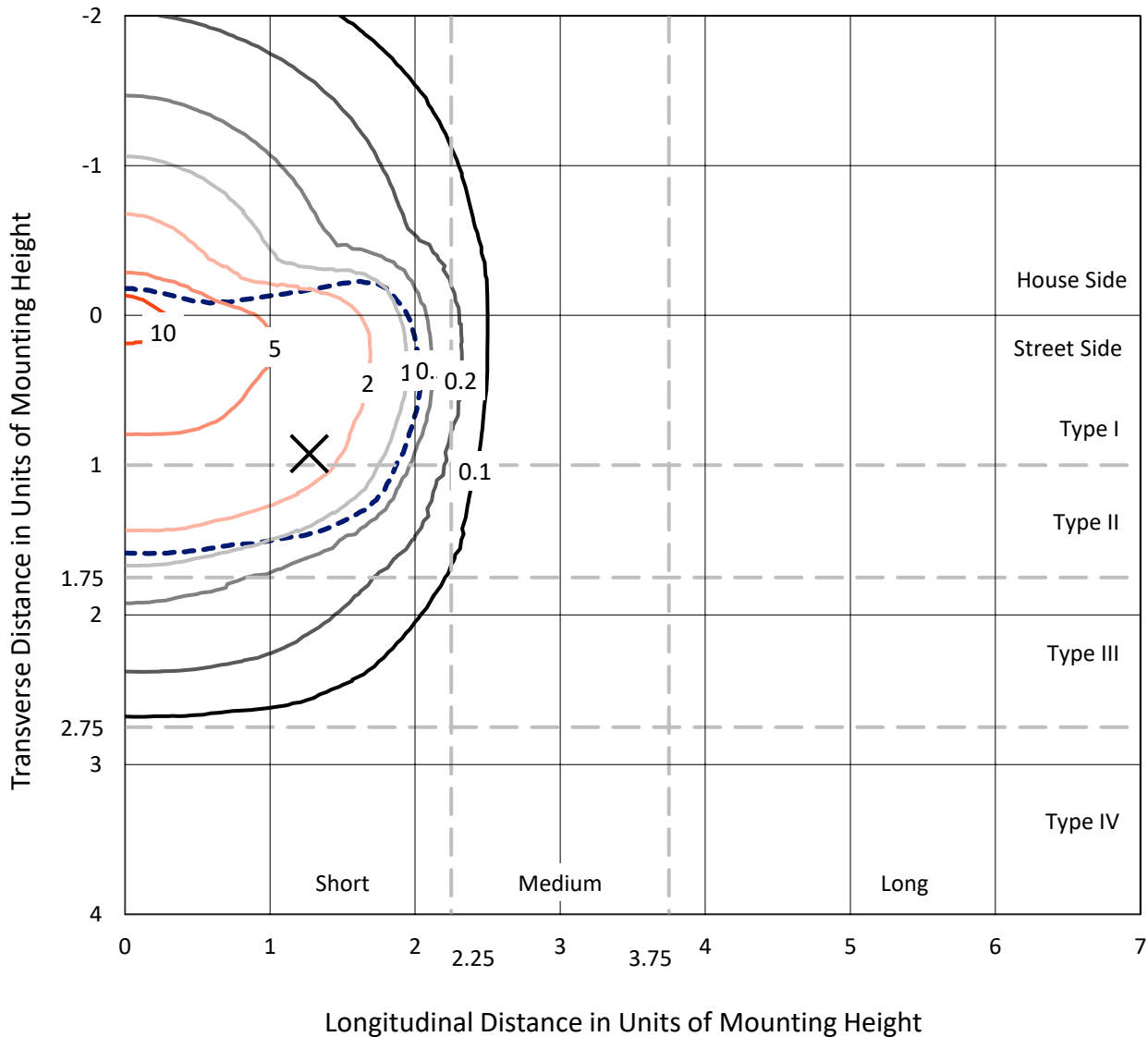
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

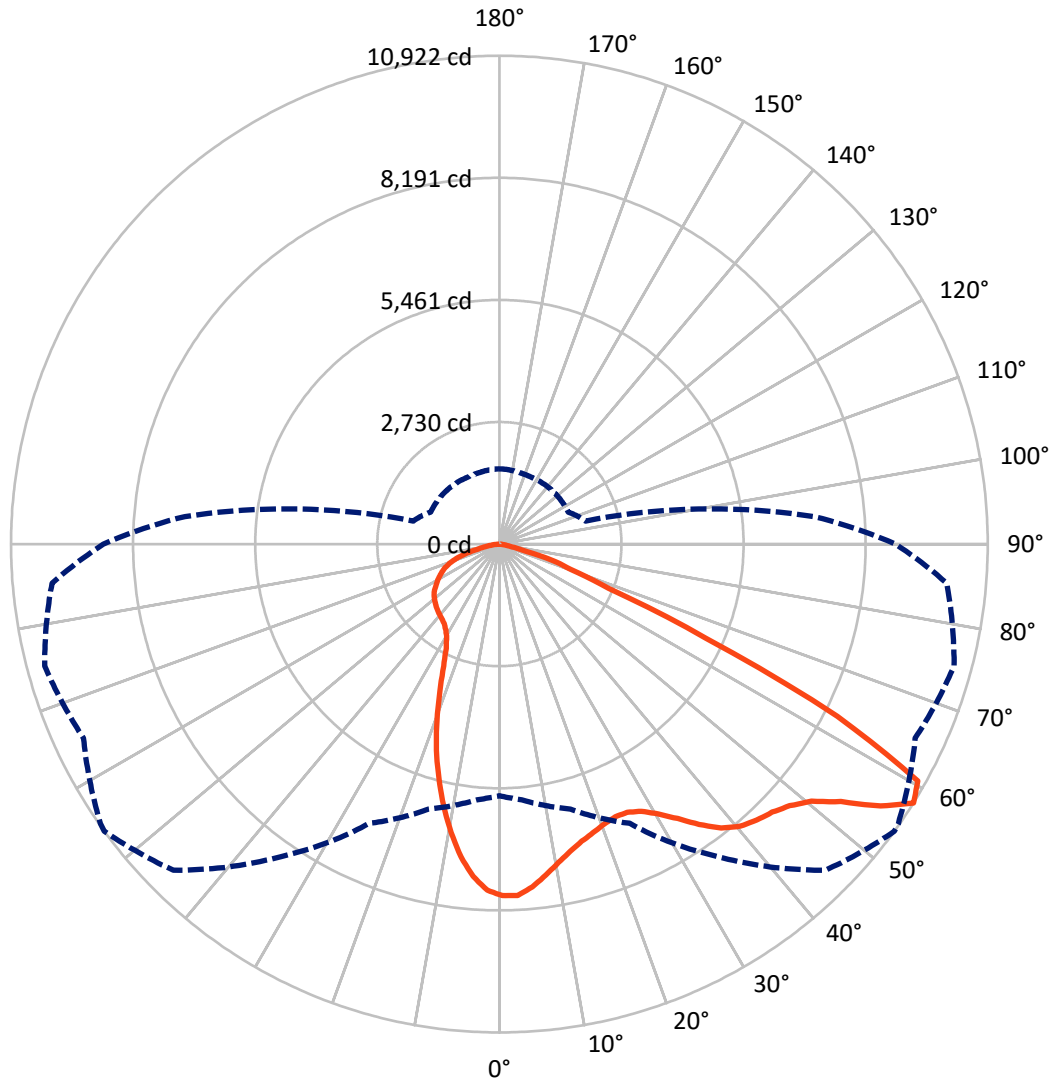
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	5952.6	0.0	5952.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	14523.5	0.0	14523.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	20476.1	0.0	20476.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.0	3.4
10°-20°	1648.8	8.1
20°-30°	2281.7	11.1
30°-40°	3170.4	15.5
40°-50°	4187.2	20.4
50°-60°	4975.8	24.3
60°-70°	2756.7	13.5
70°-80°	686.5	3.4
80°-90°	78.1	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°	20476.1	100.0
0°-180°	20476.1	100.0

Coefficient of Utilization



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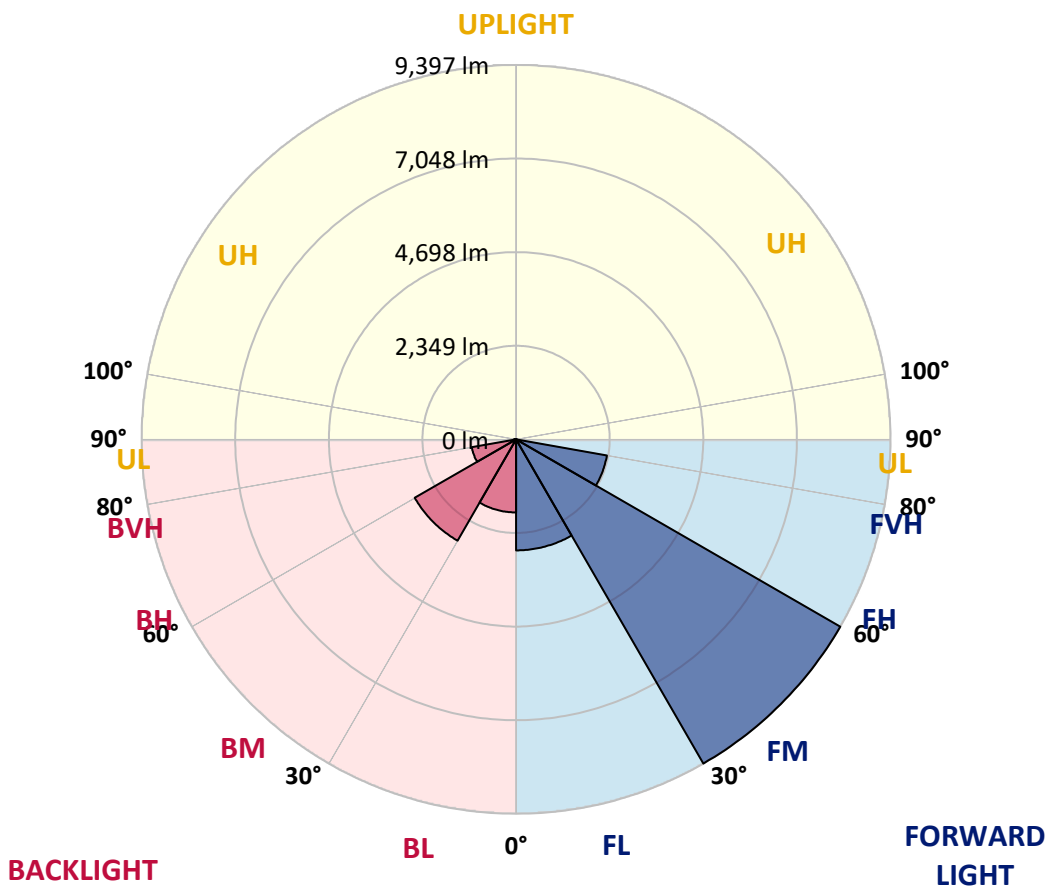
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2787.1	13.6			
FM (30°-60°)	9396.8	45.9			
FH (60°-80°)	2315.1	11.3			G2/5000
FVH (80°-90°)	24.4	0.1			G1/100
BL (0°-30°)	1834.4	9.0	B3/2500		
BM (30°-60°)	2936.6	14.3	B3/5000		
BH (60°-80°)	1128.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	53.6	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2
2.5°	7714.0	7729.8	7740.3	7777.1	7808.7	7836.7	7866.5	7866.5	7864.7	7859.5	7849.0
5°	7409.0	7426.5	7451.1	7501.9	7570.3	7619.4	7700.0	7707.0	7742.1	7756.1	7749.1
7.5°	7055.0	7060.2	7091.8	7158.4	7267.0	7354.7	7470.4	7484.4	7568.5	7617.6	7608.8
10°	6667.6	6650.1	6706.2	6804.3	6946.3	7093.5	7242.5	7254.8	7389.7	7482.6	7475.6
12.5°	6313.5	6315.3	6371.4	6490.6	6667.6	6849.9	7049.7	7077.7	7244.3	7363.4	7351.2
15°	6017.3	6024.3	6092.7	6227.6	6429.2	6646.6	6895.5	6921.7	7132.1	7289.8	7254.8
17.5°	5780.7	5787.7	5847.3	6001.5	6217.1	6480.0	6783.3	6809.6	7070.7	7258.3	7186.4
20°	5617.7	5614.2	5672.0	5819.2	6041.8	6327.6	6685.1	6723.7	7051.5	7270.6	7140.8
22.5°	5551.1	5549.3	5591.4	5712.3	5920.9	6210.1	6625.5	6678.1	7072.5	7324.9	7112.8
25°	5584.4	5577.4	5614.2	5703.6	5870.1	6164.5	6643.1	6699.1	7161.9	7437.1	7118.1
27.5°	5687.8	5679.0	5710.6	5791.2	5917.4	6211.9	6765.7	6830.6	7351.2	7642.1	7188.2
30°	5845.5	5840.3	5871.8	5949.0	6059.4	6369.6	7000.6	7074.2	7643.9	7961.1	7340.7
32.5°	6029.6	6020.8	6076.9	6166.3	6294.3	6657.1	7316.1	7412.5	7990.9	8371.3	7596.6
35°	6236.4	6229.4	6306.5	6436.2	6620.3	7056.7	7698.2	7803.4	8345.0	8835.8	7936.6
37.5°	6438.0	6438.0	6587.0	6779.8	7011.1	7491.4	8057.6	8124.2	8590.4	9247.7	8301.2
40°	6616.8	6627.3	6851.6	7140.8	7435.3	7884.0	8294.2	8350.3	8699.1	9531.6	8618.4
42.5°	6814.8	6823.6	7084.8	7463.4	7813.9	8201.3	8437.9	8466.0	8720.1	9673.6	8842.8
45°	6972.6	6984.8	7309.1	7714.0	8143.4	8439.7	8551.8	8576.4	8749.9	9750.7	9005.8
47.5°	7055.0	7072.5	7444.1	7915.6	8366.0	8653.5	8739.4	8749.9	8872.6	9885.7	9202.1
50°	7040.9	7076.0	7494.9	8015.5	8530.8	8869.1	9040.9	9058.4	9123.2	10083.8	9431.7
52.5°	7165.4	7181.2	7603.6	8134.7	8765.7	9267.0	9564.9	9589.5	9559.7	10232.8	9568.5
55°	6958.6	7033.9	7468.6	8117.1	9123.2	9882.2	10341.4	10329.2	9955.8	10399.3	9796.3
57.5°	5628.2	5738.6	6136.5	6890.2	8534.3	10313.4	10921.6	10891.8	10262.6	10527.2	10043.5
60°	3896.4	3914.0	4273.3	4807.9	6587.0	9111.0	10751.6	10816.4	10318.6	10366.0	9586.0
62.5°	3116.5	3111.2	3144.5	3158.5	4189.2	6404.7	8487.0	8723.6	8572.9	8076.8	6793.8
65°	2660.7	2680.0	2778.2	2727.3	2734.3	3607.2	5070.8	5104.1	4998.9	4820.2	3593.2
67.5°	2082.3	2115.6	2289.1	2487.2	2424.1	2322.4	2630.9	2615.2	2061.3	1595.0	1318.1
70°	1304.1	1325.1	1510.9	1952.6	2110.4	1907.0	1691.4	1684.4	1104.3	907.9	995.6
72.5°	760.7	764.2	816.8	1088.5	1400.5	1304.1	1244.5	1198.9	709.9	723.9	794.0
75°	418.9	418.9	417.2	469.7	552.1	489.0	473.3	461.0	475.0	538.1	590.7
77.5°	87.6	89.4	94.7	124.4	161.3	196.3	247.1	248.9	310.2	359.3	401.4
80°	40.3	42.1	52.6	66.6	85.9	113.9	150.7	152.5	187.5	226.1	254.2
82.5°	21.0	22.8	28.0	35.1	45.6	59.6	84.1	84.1	112.2	133.2	150.7
85°	7.0	7.0	10.5	14.0	19.3	24.5	33.3	33.3	49.1	64.9	75.4
87.5°	0.0	0.0	0.0	0.0	1.8	3.5	7.0	7.0	8.8	10.5	17.5
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°	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2	7861.2
2.5°	7826.2	7771.8	7773.6	7784.1	7750.8	7700.0	7666.7	7624.6	7598.3	7593.1	7612.3
5°	7714.0	7650.9	7607.1	7561.5	7466.9	7354.7	7267.0	7195.2	7147.9	7130.3	7109.3
7.5°	7559.8	7477.4	7367.0	7239.0	7067.2	6867.4	6727.2	6595.7	6504.6	6478.3	6466.0
10°	7405.5	7286.3	7090.0	6851.6	6565.9	6296.0	6041.8	5847.3	5693.0	5605.4	5633.5
12.5°	7246.0	7098.8	6792.0	6425.7	6027.8	5621.2	5288.2	4965.6	4716.7	4592.3	4555.5
15°	7105.8	6906.0	6478.3	5982.3	5452.9	4941.1	4459.1	3975.3	3659.8	3488.0	3440.7
17.5°	6986.6	6727.2	6147.0	5530.0	4897.3	4168.1	3575.7	3127.0	2911.4	2816.7	2809.7
20°	6869.2	6551.9	5819.2	5042.8	4255.8	3439.0	2909.6	2699.3	2622.2	2588.9	2587.1
22.5°	6764.0	6367.9	5473.9	4555.5	3617.7	2890.3	2599.4	2508.2	2487.2	2487.2	2483.7
25°	6674.6	6183.8	5119.9	4038.4	3041.1	2573.1	2438.1	2399.6	2408.3	2424.1	2425.9
27.5°	6637.8	6040.1	4778.1	3507.3	2643.2	2389.0	2327.7	2322.4	2347.0	2371.5	2375.0
30°	6676.4	5941.9	4427.5	2999.0	2404.8	2276.9	2248.8	2259.3	2289.1	2313.7	2313.7
32.5°	6795.5	5892.9	4070.0	2627.4	2266.4	2198.0	2189.2	2199.7	2222.5	2236.6	2238.3
35°	6997.1	5912.1	3700.1	2376.8	2177.0	2140.2	2138.4	2145.4	2154.2	2162.9	2164.7
37.5°	7251.3	5998.0	3304.0	2231.3	2119.1	2098.1	2094.6	2092.8	2094.6	2094.6	2096.3
40°	7500.2	6127.7	2949.9	2145.4	2078.8	2061.3	2052.5	2040.2	2038.5	2035.0	2033.2
42.5°	7684.2	6227.6	2667.7	2084.1	2042.0	2021.0	2010.4	1991.2	1989.4	1987.7	1985.9
45°	7822.7	6311.8	2432.9	2024.5	2003.4	1984.2	1961.4	1943.8	1947.3	1950.8	1950.8
47.5°	7978.7	6385.4	2261.1	1968.4	1956.1	1936.8	1908.8	1896.5	1908.8	1921.1	1921.1
50°	8168.0	6488.8	2120.9	1912.3	1907.0	1884.2	1859.7	1854.4	1868.5	1886.0	1886.0
52.5°	8306.4	6578.2	2021.0	1856.2	1856.2	1826.4	1805.4	1803.6	1819.4	1836.9	1838.7
55°	8565.9	6786.8	1985.9	1791.3	1784.3	1761.5	1745.8	1733.5	1752.8	1768.6	1768.6
57.5°	8858.6	7063.7	1994.7	1698.4	1689.7	1682.7	1670.4	1656.4	1661.6	1679.2	1680.9
60°	8238.1	6527.4	1898.3	1605.6	1600.3	1596.8	1581.0	1556.5	1563.5	1577.5	1579.3
62.5°	5754.4	4338.1	1535.4	1489.9	1507.4	1505.6	1484.6	1456.6	1458.3	1477.6	1477.6
65°	2986.7	2347.0	1347.9	1384.7	1411.0	1400.5	1365.4	1340.9	1337.4	1361.9	1356.7
67.5°	1288.3	1281.3	1226.9	1274.3	1302.3	1279.5	1242.7	1202.4	1205.9	1214.7	1207.7
70°	1037.6	1069.2	1092.0	1142.8	1165.6	1123.5	1083.2	1060.4	1041.2	1039.4	1027.1
72.5°	829.1	872.9	923.7	976.3	983.3	941.2	890.4	869.4	839.6	837.8	825.6
75°	624.0	660.8	701.1	743.2	743.2	702.9	669.6	659.0	624.0	613.5	603.0
77.5°	425.9	448.7	480.3	490.8	501.3	485.5	452.2	434.7	394.4	383.9	369.8
80°	268.2	284.0	303.2	310.2	320.8	301.5	275.2	255.9	227.9	219.1	212.1
82.5°	161.3	171.8	184.0	187.5	196.3	182.3	157.8	143.7	128.0	120.9	115.7
85°	82.4	87.6	94.7	96.4	94.7	80.6	71.9	64.9	54.3	52.6	49.1
87.5°	21.0	24.5	26.3	24.5	22.8	17.5	12.3	8.8	3.5	3.5	1.8
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)