

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: P637315

Luminaire Tested: GWS-SA4C-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637315  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4C-750-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

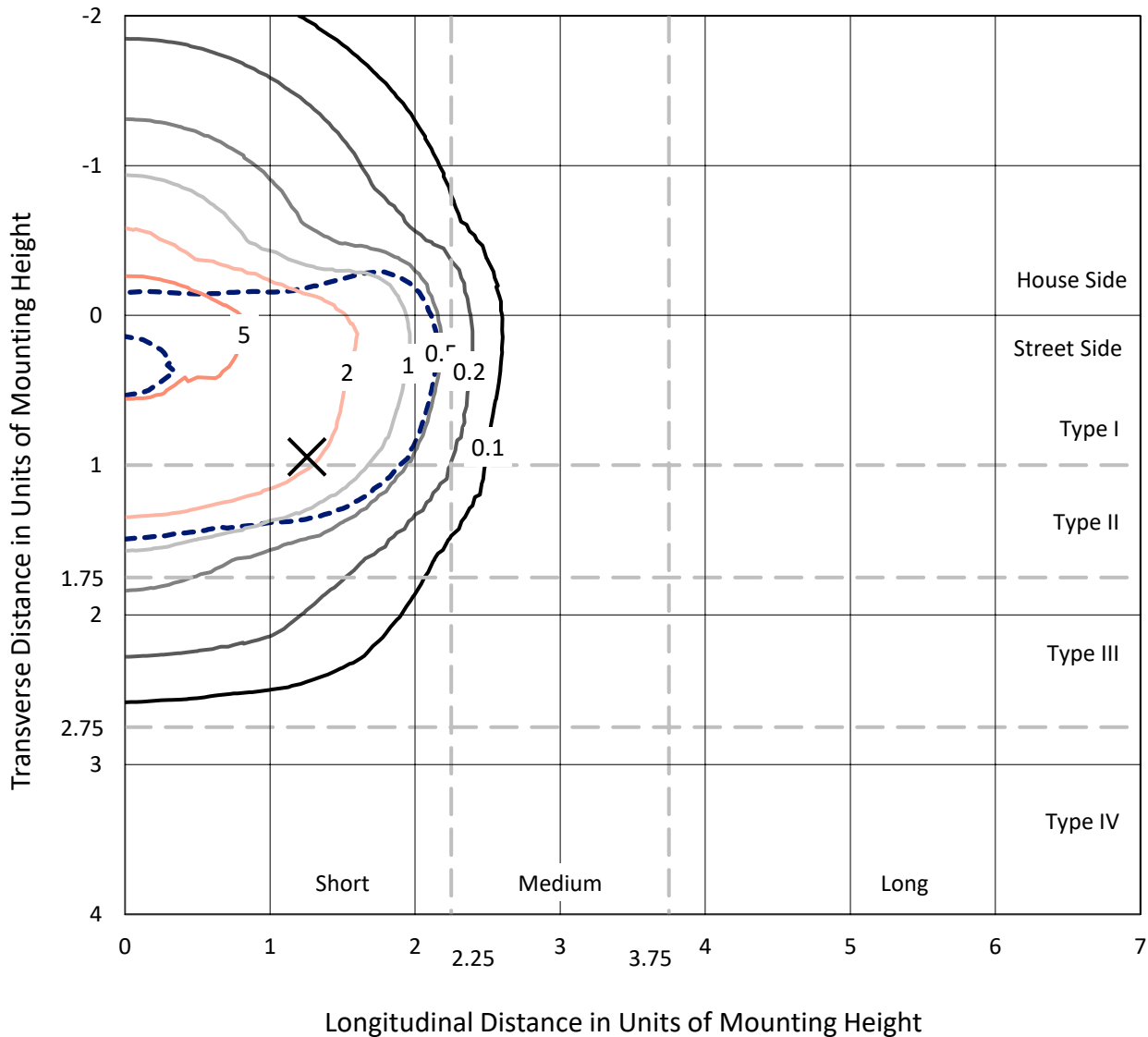
Lumens per Lamp: N/A  
Luminaire Lumens: 16912 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P637315  
 CATALOG NUMBER: GWS-SA4C-750-U-SL2-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

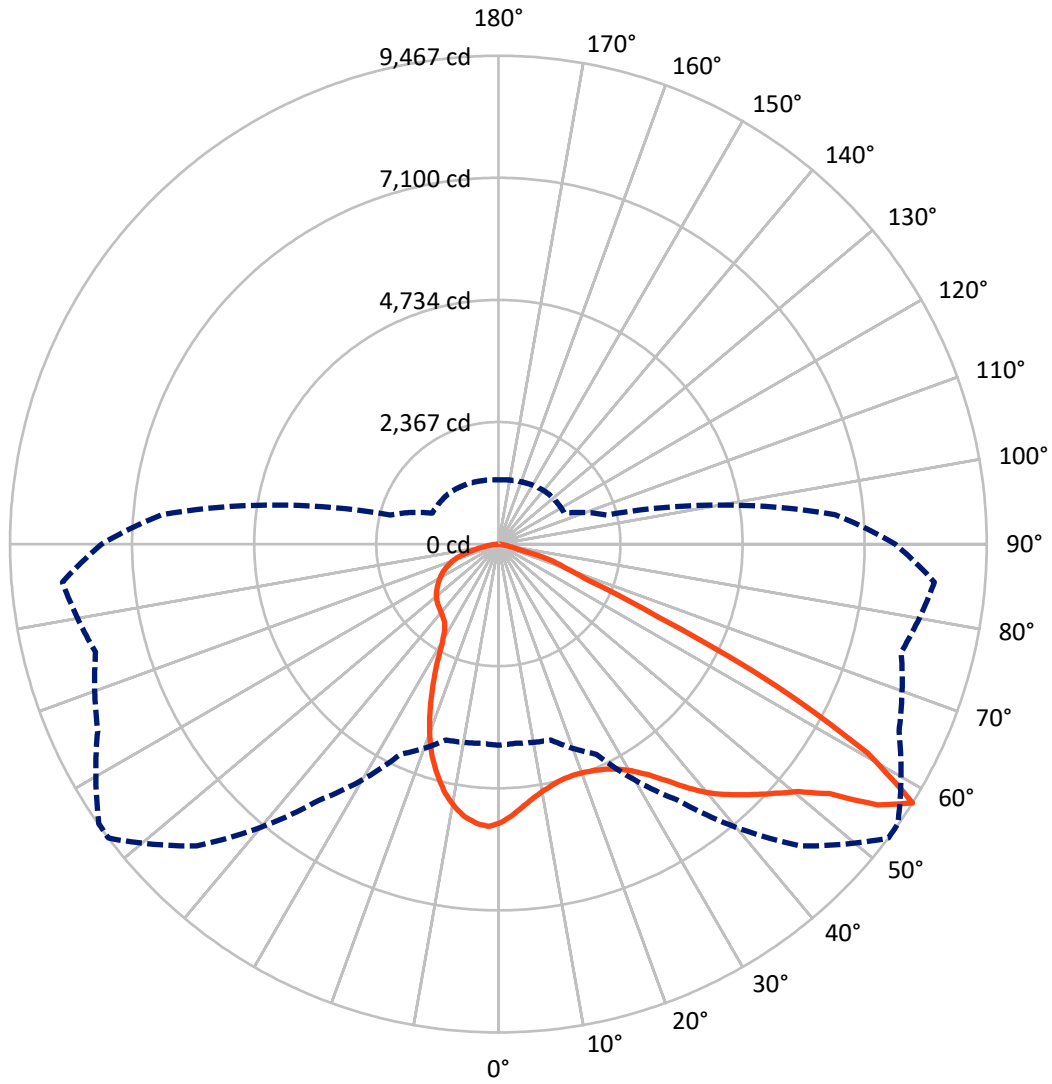
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P637315  
CATALOG NUMBER: GWS-SA4C-750-U-SL2-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637315

CATALOG NUMBER: GWS-SA4C-750-U-SL2-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5287.8	0.0	5287.8
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	11624.2	0.0	11624.2
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	16912.0	0.0	16912.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	488.4	2.9
10°-20°	1281.2	7.6
20°-30°	1887.7	11.2
30°-40°	2642.3	15.6
40°-50°	3473.5	20.5
50°-60°	4072.7	24.1
60°-70°	2399.3	14.2
70°-80°	596.9	3.5
80°-90°	70.0	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°	16912.0	100.0
0°-180°	16912.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637315

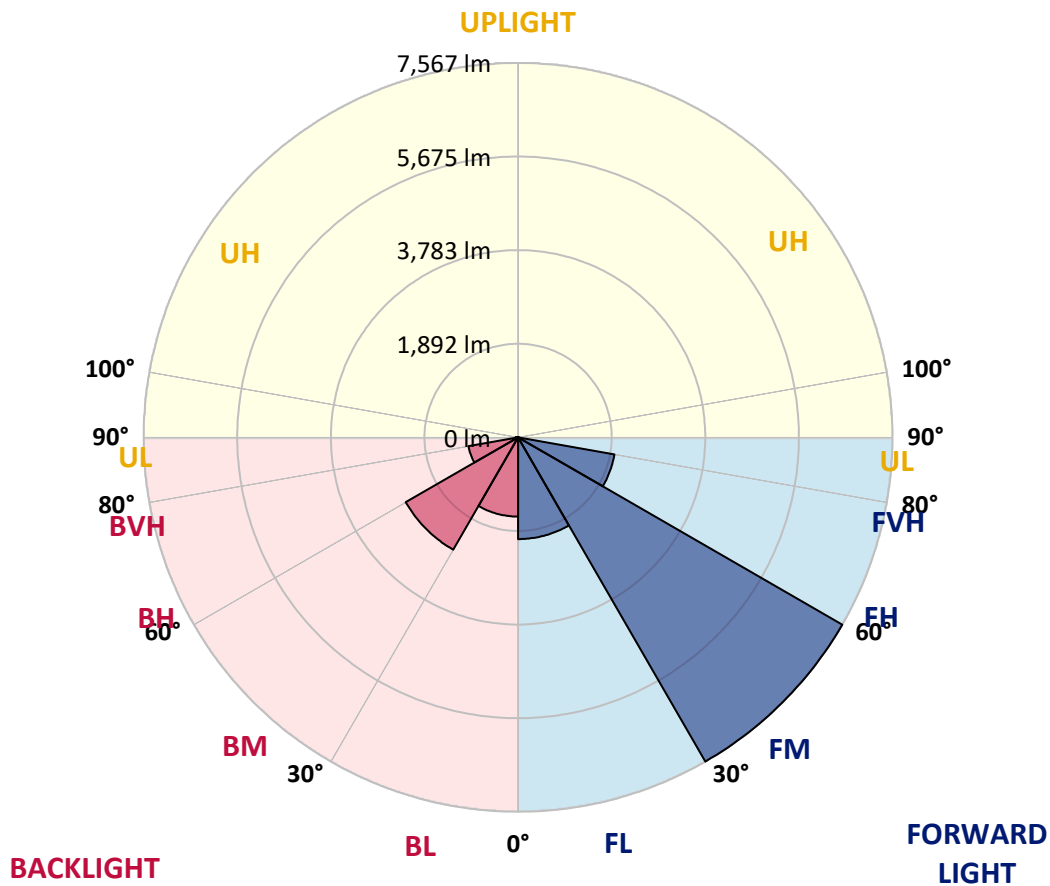
CATALOG NUMBER: GWS-SA4C-750-U-SL2-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2056.2	12.2			
FM (30°-60°)	7566.6	44.7			
FH (60°-80°)	1978.1	11.7			G2/5000
FVH (80°-90°)	23.4	0.1			G1/100
BL (0°-30°)	1601.2	9.5	B3/2500		
BM (30°-60°)	2621.9	15.5	B3/5000		
BH (60°-80°)	1018.1	6.0	B3/2500		G3/2500
BVH (80°-90°)	46.6	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





REPORT NUMBER: P637315

CATALOG NUMBER: GWS-SA4C-750-U-SL2-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5
2.5°	5090.2	5104.4	5107.2	5151.4	5154.2	5218.3	5261.0	5252.4	5296.5	5350.6	5393.3
5°	4846.7	4848.2	4862.4	4915.1	4943.5	5027.5	5098.7	5098.7	5184.1	5295.1	5390.5
7.5°	4646.0	4644.6	4657.4	4715.8	4762.8	4863.8	4960.6	4972.0	5091.6	5253.8	5409.0
10°	4459.6	4469.5	4483.8	4554.9	4614.7	4740.0	4855.3	4873.8	5024.7	5225.4	5434.6
12.5°	4340.0	4341.4	4362.8	4442.5	4519.4	4653.2	4774.2	4796.9	4970.6	5198.3	5453.1
15°	4263.1	4264.6	4287.3	4375.6	4465.3	4600.5	4724.3	4750.0	4939.3	5194.1	5488.7
17.5°	4229.0	4227.6	4248.9	4337.2	4435.4	4576.3	4708.7	4740.0	4953.5	5226.8	5551.3
20°	4229.0	4230.4	4241.8	4321.5	4421.1	4570.6	4724.3	4762.8	5009.0	5300.8	5648.1
22.5°	4288.8	4294.5	4300.2	4354.2	4432.5	4579.1	4765.6	4816.9	5128.6	5424.7	5774.8
25°	4405.5	4406.9	4412.6	4456.7	4492.3	4603.3	4833.9	4910.8	5315.1	5605.4	5934.2
27.5°	4562.1	4582.0	4587.7	4616.2	4616.2	4663.1	4940.7	5051.7	5567.0	5865.9	6137.8
30°	4781.3	4788.4	4798.4	4829.7	4795.5	4775.6	5097.3	5239.6	5858.8	6180.5	6382.6
32.5°	4973.4	4989.1	5043.2	5094.4	5033.2	4970.6	5327.9	5495.8	6139.2	6507.9	6643.1
35°	5137.1	5175.6	5279.5	5393.3	5350.6	5288.0	5633.9	5809.0	6369.8	6742.7	6873.7
37.5°	5335.0	5364.9	5507.2	5692.3	5730.7	5700.8	6006.8	6132.1	6523.5	6802.5	6999.0
40°	5535.7	5581.2	5764.9	6021.1	6167.7	6189.0	6351.3	6435.3	6576.2	6685.8	6974.8
42.5°	5740.7	5818.9	6070.9	6369.8	6630.3	6678.7	6641.7	6677.3	6559.1	6525.0	6862.3
45°	5991.2	6083.7	6368.4	6749.9	7092.9	7168.3	6926.4	6893.6	6556.3	6463.8	6792.6
47.5°	6287.2	6379.8	6651.6	7095.8	7534.2	7589.7	7218.2	7158.4	6655.9	6557.7	6886.5
50°	6549.2	6613.2	6856.6	7353.4	7945.5	7978.3	7539.9	7467.3	6903.6	6818.2	7179.7
52.5°	6283.0	6275.9	6532.1	7144.1	8159.0	8553.3	8035.2	7965.5	7381.9	7250.9	7633.8
55°	5330.7	5249.6	5478.7	6080.9	7562.6	9064.3	8923.4	8783.9	8019.6	7686.5	8059.4
57.5°	3897.3	3874.6	3930.1	4495.2	6058.1	8272.9	9467.2	9454.4	8570.4	8085.0	8483.6
60°	3047.5	3013.4	2865.3	2881.0	4129.3	6462.3	8216.0	8593.2	8912.0	8324.2	8779.7
62.5°	2705.9	2680.3	2603.4	2391.3	2459.7	4332.9	6022.5	6368.4	7787.5	7352.0	7541.3
65°	2240.5	2233.3	2297.4	2288.9	2061.1	2392.8	3399.1	3747.9	4896.6	4957.8	4896.6
67.5°	1628.4	1615.6	1777.9	2098.1	1984.2	1806.3	1894.6	2015.6	2510.9	2254.7	2029.8
70°	1059.0	1040.5	1134.5	1515.9	1776.4	1574.3	1365.1	1345.1	1380.7	858.3	928.1
72.5°	710.3	688.9	687.5	834.1	1073.3	1060.4	1057.6	1047.6	935.2	677.5	751.6
75°	395.7	378.6	374.4	360.1	384.3	391.4	417.1	431.3	466.9	513.9	569.4
77.5°	66.9	65.5	82.6	105.3	145.2	186.5	230.6	243.4	300.3	355.9	391.4
80°	37.0	38.4	49.8	61.2	81.1	111.0	142.3	150.9	185.0	214.9	243.4
82.5°	19.9	19.9	25.6	32.7	44.1	58.4	76.9	84.0	106.8	125.3	145.2
85°	7.1	7.1	10.0	12.8	18.5	24.2	29.9	34.2	47.0	64.1	72.6
87.5°	0.0	0.0	0.0	0.0	1.4	2.8	5.7	5.7	7.1	12.8	18.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637315

CATALOG NUMBER: GWS-SA4C-750-U-SL2-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5
2.5°	5428.9	5390.5	5443.2	5467.4	5475.9	5481.6	5444.6	5419.0	5410.4	5383.4	5367.7
5°	5448.9	5423.2	5473.1	5473.1	5437.5	5400.5	5325.0	5272.4	5235.3	5191.2	5184.1
7.5°	5483.0	5464.5	5491.6	5436.0	5346.4	5246.7	5115.8	5013.3	4930.7	4876.6	4878.1
10°	5528.6	5505.8	5484.4	5360.6	5196.9	5013.3	4812.6	4663.1	4526.5	4463.8	4429.7
12.5°	5558.5	5525.7	5436.0	5231.1	4990.5	4744.3	4461.0	4238.9	4041.1	3951.4	3944.3
15°	5595.5	5535.7	5356.3	5063.1	4728.6	4392.7	4028.3	3719.4	3451.8	3312.3	3305.2
17.5°	5643.9	5545.6	5261.0	4870.9	4452.5	3957.1	3498.8	3110.2	2825.5	2717.3	2735.8
20°	5712.2	5557.0	5152.8	4657.4	4109.4	3461.8	2891.0	2533.7	2424.1	2417.0	2402.7
22.5°	5789.1	5564.2	5033.2	4418.3	3693.8	2933.7	2388.5	2236.2	2234.8	2270.4	2278.9
25°	5875.9	5569.8	4898.0	4139.3	3244.0	2407.0	2112.4	2066.8	2102.4	2169.3	2177.8
27.5°	5986.9	5581.2	4734.3	3833.3	2765.7	2079.6	1960.1	1948.7	1991.4	2054.0	2051.1
30°	6150.6	5622.5	4560.6	3481.7	2274.6	1924.5	1867.5	1869.0	1886.0	1915.9	1920.2
32.5°	6317.1	5686.6	4391.3	3086.0	1992.8	1836.2	1810.6	1807.7	1807.7	1820.6	1823.4
35°	6475.1	5759.2	4207.6	2673.2	1856.1	1785.0	1767.9	1759.3	1755.1	1752.2	1748.0
37.5°	6563.4	5794.7	4028.3	2266.1	1783.5	1750.8	1733.7	1722.3	1706.7	1695.3	1692.4
40°	6525.0	5753.5	3820.5	1961.5	1739.4	1718.1	1698.1	1682.5	1661.1	1651.2	1645.5
42.5°	6396.9	5625.4	3594.1	1817.7	1703.8	1682.5	1658.3	1632.7	1618.4	1609.9	1608.5
45°	6261.6	5470.2	3320.8	1733.7	1669.7	1644.1	1615.6	1587.1	1571.5	1567.2	1565.8
47.5°	6257.4	5393.3	3030.5	1666.8	1628.4	1602.8	1567.2	1538.7	1521.6	1515.9	1510.2
50°	6445.2	5471.6	2703.1	1608.5	1585.7	1558.6	1518.8	1487.5	1466.1	1459.0	1457.6
52.5°	6835.3	5766.3	2409.9	1550.1	1528.8	1497.4	1464.7	1433.4	1407.8	1395.0	1393.5
55°	7256.6	6140.6	2227.7	1490.3	1461.9	1434.8	1404.9	1370.8	1342.3	1322.4	1319.5
57.5°	7692.2	6549.2	2172.1	1414.9	1393.5	1375.0	1339.4	1302.4	1269.7	1251.2	1246.9
60°	8050.9	6900.7	2276.0	1335.2	1323.8	1299.6	1266.8	1231.3	1208.5	1194.3	1191.4
62.5°	6739.9	5618.2	1837.6	1248.3	1248.3	1222.7	1185.7	1160.1	1144.4	1134.5	1131.6
65°	4277.4	3478.8	1254.0	1161.5	1160.1	1125.9	1094.6	1077.5	1070.4	1054.8	1051.9
67.5°	1863.3	1590.0	1071.8	1073.3	1067.6	1030.6	999.2	986.4	972.2	955.1	953.7
70°	966.5	985.0	959.4	975.0	965.1	921.0	891.1	871.1	841.2	824.2	825.6
72.5°	780.0	800.0	828.4	852.6	831.3	795.7	748.7	724.5	686.1	667.6	669.0
75°	595.0	616.3	643.4	669.0	651.9	607.8	577.9	553.7	509.6	488.2	492.5
77.5°	409.9	421.3	454.1	452.6	447.0	434.1	390.0	361.5	316.0	290.4	293.2
80°	254.8	261.9	277.6	284.7	281.8	264.8	229.2	207.8	180.8	165.1	166.5
82.5°	153.7	158.0	172.2	173.7	172.2	159.4	132.4	116.7	99.6	91.1	91.1
85°	78.3	81.1	89.7	89.7	81.1	68.3	61.2	54.1	44.1	39.9	39.9
87.5°	21.4	21.4	27.0	22.8	18.5	17.1	8.5	7.1	2.8	1.4	1.4
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)