

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: P641770

Luminaire Tested: GWS-SA6B-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641770  
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-SA6B-750-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

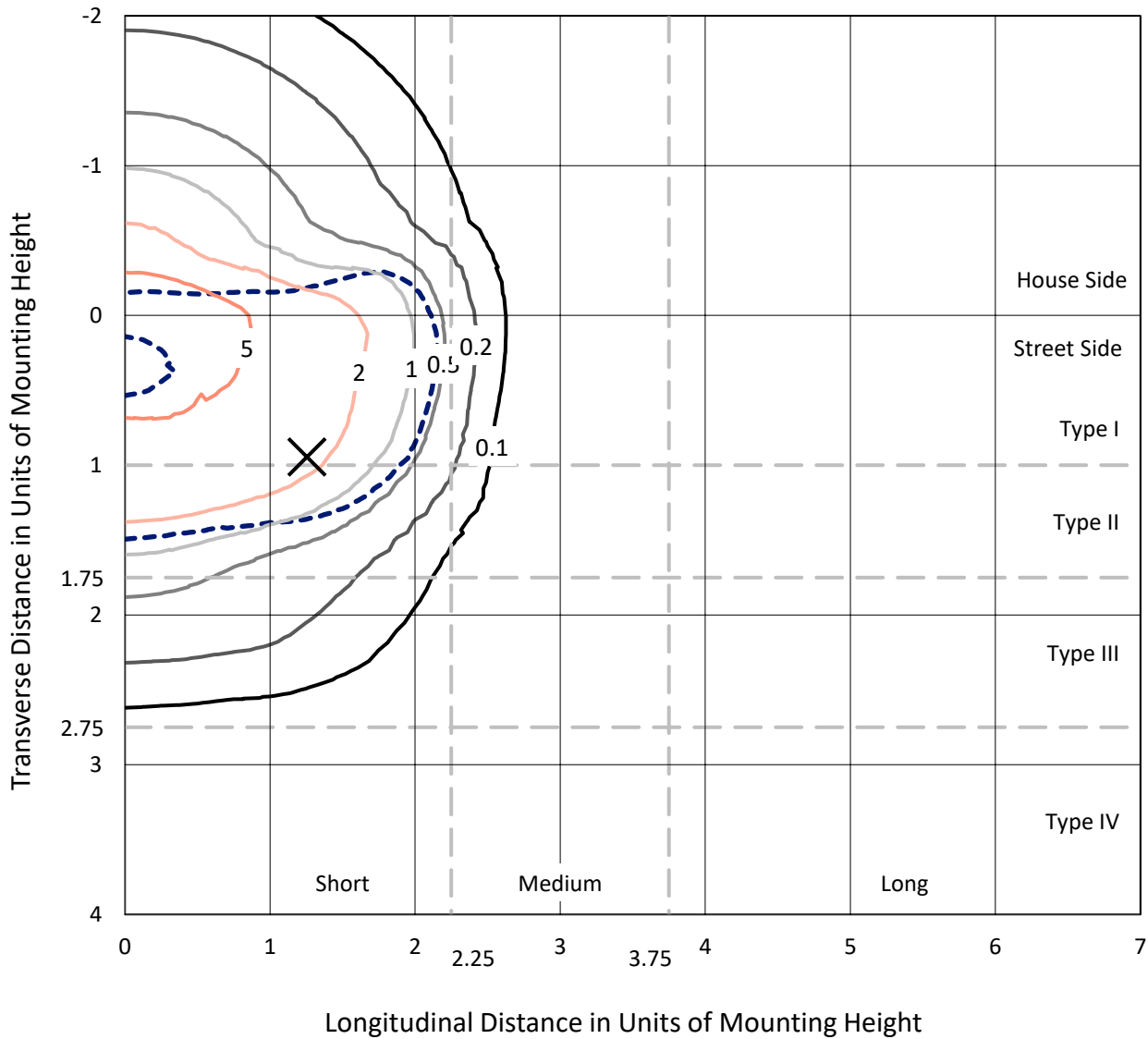
Lumens per Lamp: N/A  
Luminaire Lumens: 18446.2 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

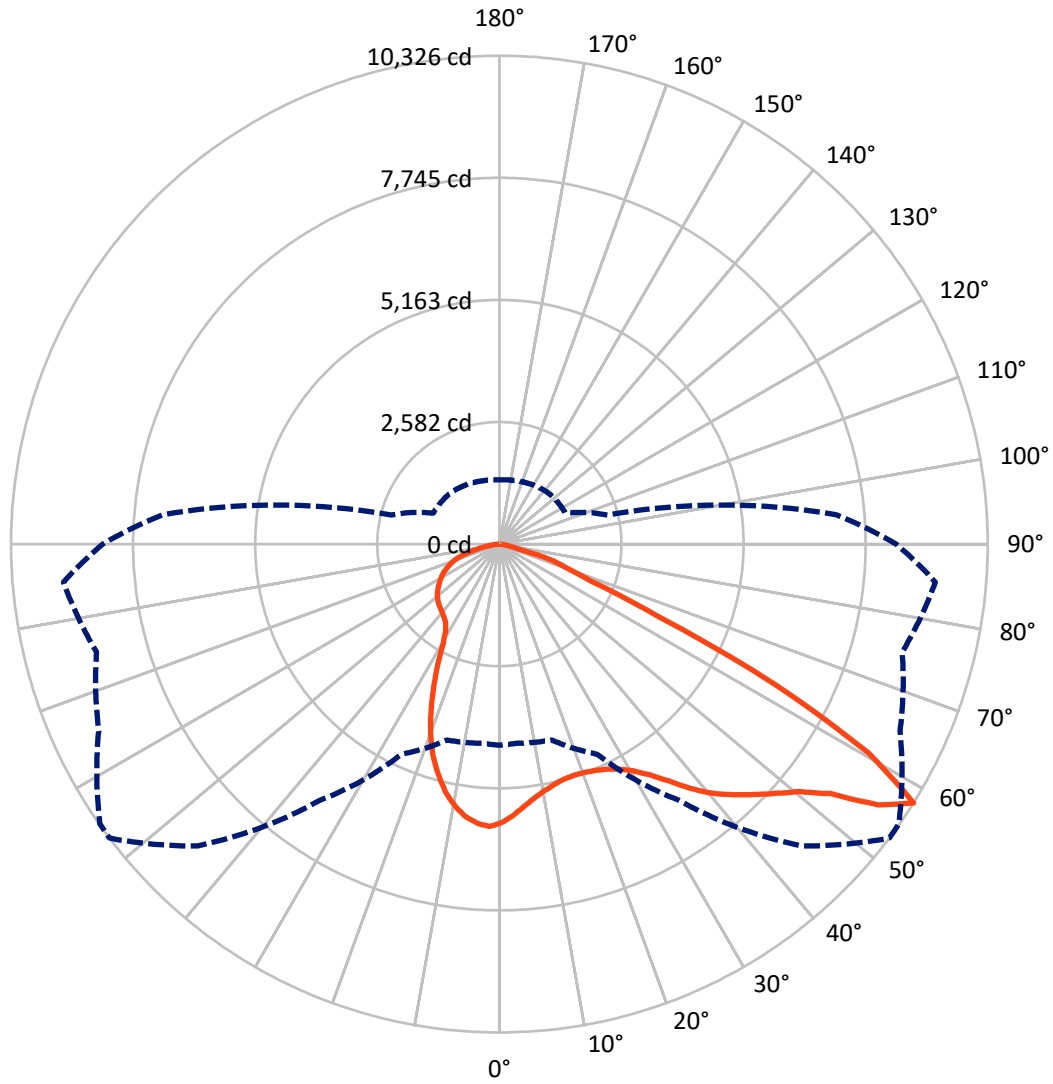
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5767.4	0.0	5767.4
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	12678.8	0.0	12678.8
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	18446.2	0.0	18446.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	532.7	2.9
10°-20°	1397.5	7.6
20°-30°	2059.0	11.2
30°-40°	2882.0	15.6
40°-50°	3788.6	20.5
50°-60°	4442.2	24.1
60°-70°	2616.9	14.2
70°-80°	651.0	3.5
80°-90°	76.4	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°	18446.2	100.0
0°-180°	18446.2	100.0

**Coefficient of Utilization**



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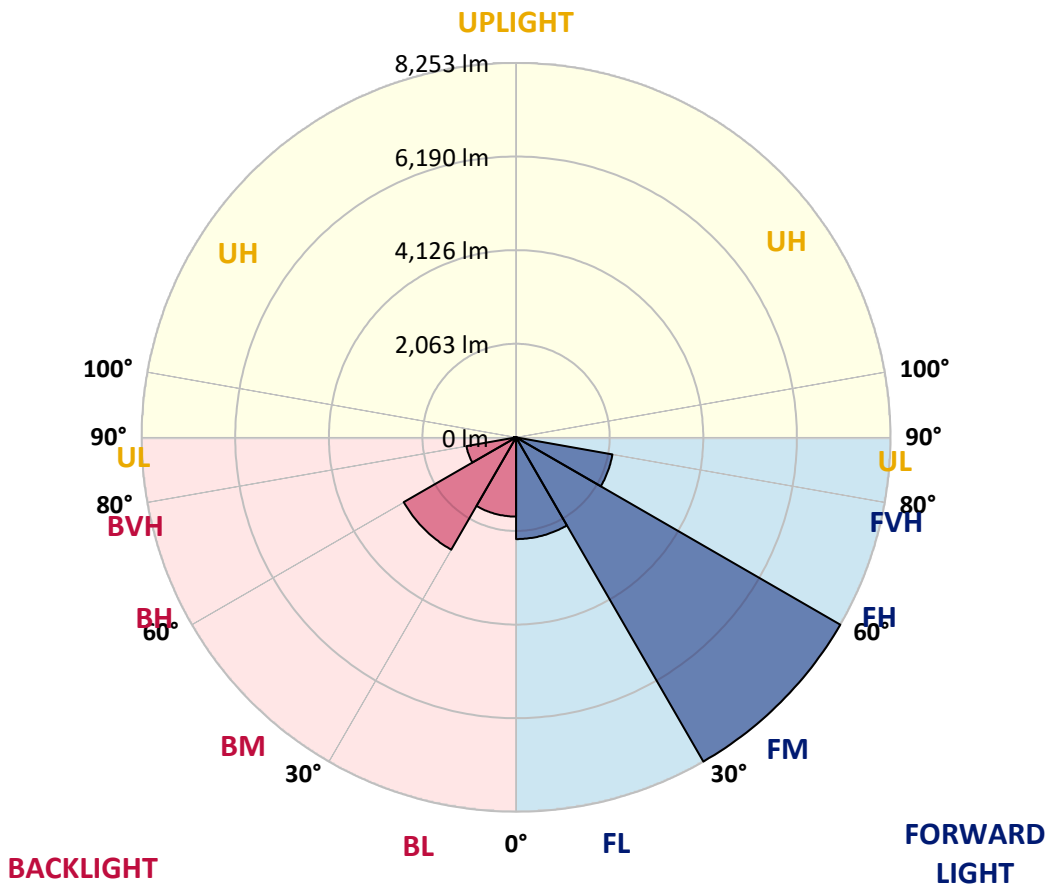
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2242.7	12.2			
FM (30°-60°)	8253.0	44.7			
FH (60°-80°)	2157.5	11.7			G2/5000
FVH (80°-90°)	25.6	0.1			G1/100
BL (0°-30°)	1746.4	9.5	B3/2500		
BM (30°-60°)	2859.8	15.5	B3/5000		
BH (60°-80°)	1110.4	6.0	B3/2500		G3/2500
BVH (80°-90°)	50.8	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-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4
2.5°	5551.9	5567.4	5570.5	5618.7	5621.8	5691.6	5738.2	5728.9	5777.0	5836.0	5882.6
5°	5286.4	5288.0	5303.5	5361.0	5392.0	5483.6	5561.2	5561.2	5654.4	5775.5	5879.5
7.5°	5067.5	5066.0	5079.9	5143.6	5194.8	5305.1	5410.6	5423.1	5553.5	5730.5	5899.7
10°	4864.1	4875.0	4890.5	4968.2	5033.4	5170.0	5295.7	5315.9	5480.5	5699.4	5927.6
12.5°	4733.7	4735.3	4758.6	4845.5	4929.3	5075.3	5207.2	5232.1	5421.5	5669.9	5947.8
15°	4649.9	4651.4	4676.3	4772.5	4870.3	5017.8	5152.9	5180.9	5387.3	5665.3	5986.6
17.5°	4612.6	4611.1	4634.4	4730.6	4837.7	4991.4	5135.8	5170.0	5402.9	5701.0	6054.9
20°	4612.6	4614.2	4626.6	4713.5	4822.2	4985.2	5152.9	5194.8	5463.4	5781.7	6160.5
22.5°	4677.8	4684.0	4690.2	4749.2	4834.6	4994.5	5197.9	5253.8	5593.8	5916.8	6298.7
25°	4805.1	4806.7	4812.9	4861.0	4899.8	5020.9	5272.5	5356.3	5797.2	6113.9	6472.6
27.5°	4975.9	4997.7	5003.9	5034.9	5034.9	5086.1	5388.9	5510.0	6072.0	6398.1	6694.6
30°	5215.0	5222.8	5233.6	5267.8	5230.5	5208.8	5559.7	5714.9	6390.3	6741.2	6961.6
32.5°	5424.6	5441.7	5500.7	5556.6	5489.8	5421.5	5811.2	5994.4	6696.1	7098.3	7245.7
35°	5603.1	5645.1	5758.4	5882.6	5836.0	5767.7	6145.0	6336.0	6947.7	7354.4	7497.3
37.5°	5819.0	5851.6	6006.8	6208.6	6250.6	6218.0	6551.8	6688.4	7115.3	7419.6	7633.9
40°	6037.9	6087.5	6287.8	6567.3	6727.2	6750.5	6927.5	7019.1	7172.8	7292.3	7607.5
42.5°	6261.4	6346.8	6621.6	6947.7	7231.8	7284.6	7244.2	7283.0	7154.1	7116.9	7484.8
45°	6534.7	6635.6	6946.1	7362.2	7736.4	7818.6	7554.7	7519.0	7151.0	7050.1	7408.8
47.5°	6857.6	6958.5	7255.1	7739.5	8217.6	8278.2	7873.0	7807.8	7259.7	7152.6	7511.2
50°	7143.3	7213.1	7478.6	8020.5	8666.3	8702.0	8223.9	8144.7	7529.9	7436.7	7831.1
52.5°	6853.0	6845.2	7124.6	7792.2	8899.2	9329.3	8764.1	8688.1	8051.5	7908.7	8326.3
55°	5814.3	5725.8	5975.8	6632.5	8248.7	9886.6	9732.9	9580.8	8747.1	8383.8	8790.5
57.5°	4250.9	4226.0	4286.6	4902.9	6607.6	9023.4	10326.0	10312.0	9347.9	8818.5	9253.2
60°	3324.0	3286.7	3125.3	3142.4	4503.9	7048.6	8961.3	9372.7	9720.5	9079.3	9576.1
62.5°	2951.4	2923.4	2839.6	2608.3	2682.8	4726.0	6568.8	6946.1	8494.0	8018.9	8225.4
65°	2443.7	2435.9	2505.8	2496.5	2248.1	2609.8	3707.5	4087.9	5340.8	5407.5	5340.8
67.5°	1776.1	1762.1	1939.1	2288.5	2164.3	1970.2	2066.4	2198.4	2738.7	2459.2	2213.9
70°	1155.1	1134.9	1237.4	1653.5	1937.6	1717.1	1488.9	1467.2	1506.0	936.2	1012.3
72.5°	774.7	751.4	749.9	909.8	1170.6	1156.6	1153.5	1142.7	1020.0	739.0	819.7
75°	431.6	413.0	408.3	392.8	419.2	427.0	454.9	470.4	509.2	560.5	621.0
77.5°	73.0	71.4	90.0	114.9	158.4	203.4	251.5	265.5	327.6	388.1	427.0
80°	40.4	41.9	54.3	66.8	88.5	121.1	155.3	164.6	201.8	234.4	265.5
82.5°	21.7	21.7	27.9	35.7	48.1	63.7	83.8	91.6	116.4	136.6	158.4
85°	7.8	7.8	10.9	14.0	20.2	26.4	32.6	37.3	51.2	69.9	79.2
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	6.2	7.8	14.0	20.2
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°	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4	5890.4
2.5°	5921.4	5879.5	5936.9	5963.3	5972.7	5978.9	5938.5	5910.6	5901.2	5871.7	5854.7
5°	5943.2	5915.2	5969.6	5969.6	5930.7	5890.4	5808.1	5750.6	5710.3	5662.1	5654.4
7.5°	5980.4	5960.2	5989.7	5929.2	5831.4	5722.7	5579.9	5468.1	5378.0	5319.0	5320.6
10°	6030.1	6005.3	5982.0	5846.9	5668.4	5468.1	5249.2	5086.1	4937.1	4868.8	4831.5
12.5°	6062.7	6027.0	5929.2	5705.6	5443.2	5174.6	4865.7	4623.5	4407.7	4309.9	4302.1
15°	6103.1	6037.9	5842.2	5522.4	5157.6	4791.2	4393.7	4056.8	3764.9	3612.8	3605.0
17.5°	6155.9	6048.7	5738.2	5312.8	4856.4	4316.1	3816.2	3392.3	3081.8	2963.8	2984.0
20°	6230.4	6061.2	5620.2	5079.9	4482.2	3775.8	3153.2	2763.5	2644.0	2636.2	2620.7
22.5°	6314.2	6068.9	5489.8	4819.1	4028.9	3199.8	2605.2	2439.1	2437.5	2476.3	2485.6
25°	6408.9	6075.1	5342.3	4514.8	3538.3	2625.4	2304.0	2254.3	2293.1	2366.1	2375.4
27.5°	6530.0	6087.5	5163.8	4181.0	3016.6	2268.3	2137.9	2125.4	2172.0	2240.3	2237.2
30°	6708.6	6132.6	4974.4	3797.5	2481.0	2099.0	2036.9	2038.5	2057.1	2089.7	2094.4
32.5°	6890.2	6202.4	4789.6	3365.9	2173.6	2002.8	1974.8	1971.7	1971.7	1985.7	1988.8
35°	7062.5	6281.6	4589.3	2915.7	2024.5	1946.9	1928.3	1919.0	1914.3	1911.2	1906.5
37.5°	7158.8	6320.4	4393.7	2471.7	1945.3	1909.6	1891.0	1878.6	1861.5	1849.1	1846.0
40°	7116.9	6275.4	4167.0	2139.4	1897.2	1873.9	1852.2	1835.1	1811.8	1801.0	1794.7
42.5°	6977.2	6135.7	3920.2	1982.6	1858.4	1835.1	1808.7	1780.8	1765.2	1755.9	1754.4
45°	6829.7	5966.4	3622.1	1891.0	1821.1	1793.2	1762.1	1731.1	1714.0	1709.4	1707.8
47.5°	6825.0	5882.6	3305.4	1818.0	1776.1	1748.2	1709.4	1678.3	1659.7	1653.5	1647.3
50°	7029.9	5968.0	2948.3	1754.4	1729.5	1700.0	1656.6	1622.4	1599.1	1591.4	1589.8
52.5°	7455.3	6289.4	2628.5	1690.7	1667.4	1633.3	1597.6	1563.4	1535.5	1521.5	1519.9
55°	7914.9	6697.7	2429.7	1625.5	1594.5	1565.0	1532.4	1495.1	1464.1	1442.3	1439.2
57.5°	8390.0	7143.3	2369.2	1543.2	1519.9	1499.8	1460.9	1420.6	1384.9	1364.7	1360.0
60°	8781.2	7526.8	2482.5	1456.3	1443.9	1417.5	1381.8	1343.0	1318.1	1302.6	1299.5
62.5°	7351.3	6127.9	2004.3	1361.6	1361.6	1333.6	1293.3	1265.3	1248.2	1237.4	1234.3
65°	4665.4	3794.4	1367.8	1266.9	1265.3	1228.1	1193.9	1175.3	1167.5	1150.4	1147.3
67.5°	2032.3	1734.2	1169.1	1170.6	1164.4	1124.0	1089.9	1075.9	1060.4	1041.8	1040.2
70°	1054.2	1074.4	1046.4	1063.5	1052.6	1004.5	971.9	950.2	917.6	898.9	900.5
72.5°	850.8	872.5	903.6	930.0	906.7	867.9	816.6	790.2	748.3	728.1	729.7
75°	649.0	672.3	701.8	729.7	711.1	662.9	630.3	603.9	555.8	532.5	537.2
77.5°	447.1	459.6	495.3	493.7	487.5	473.5	425.4	394.3	344.7	316.7	319.8
80°	277.9	285.7	302.7	310.5	307.4	288.8	250.0	226.7	197.2	180.1	181.6
82.5°	167.7	172.3	187.9	189.4	187.9	173.9	144.4	127.3	108.7	99.4	99.4
85°	85.4	88.5	97.8	97.8	88.5	74.5	66.8	59.0	48.1	43.5	43.5
87.5°	23.3	23.3	29.5	24.8	20.2	18.6	9.3	7.8	3.1	1.6	1.6
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)