

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: P641829

Luminaire Tested: GWS-SA6B-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641829  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

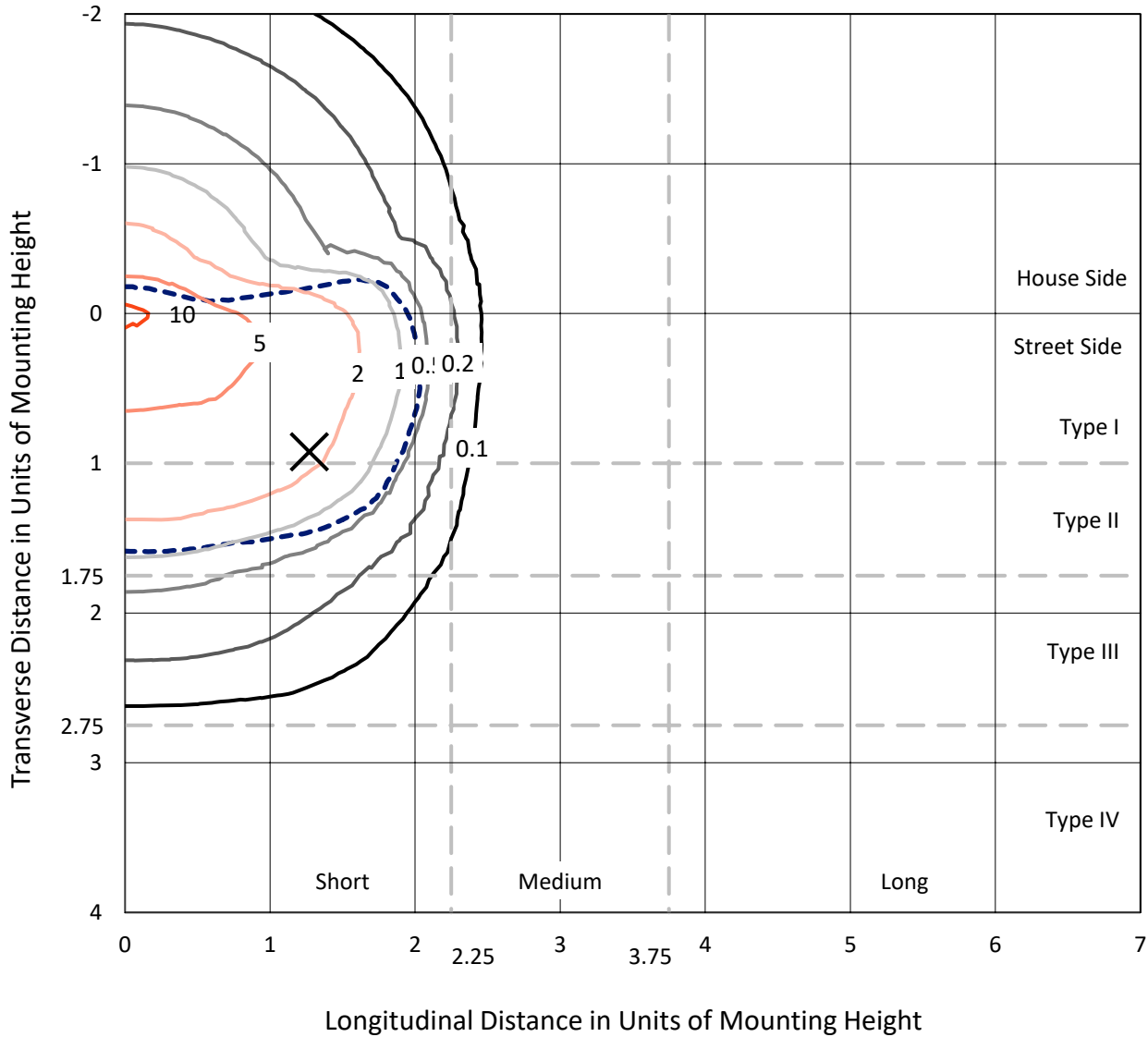
Lumens per Lamp: N/A  
Luminaire Lumens: 17888.7 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

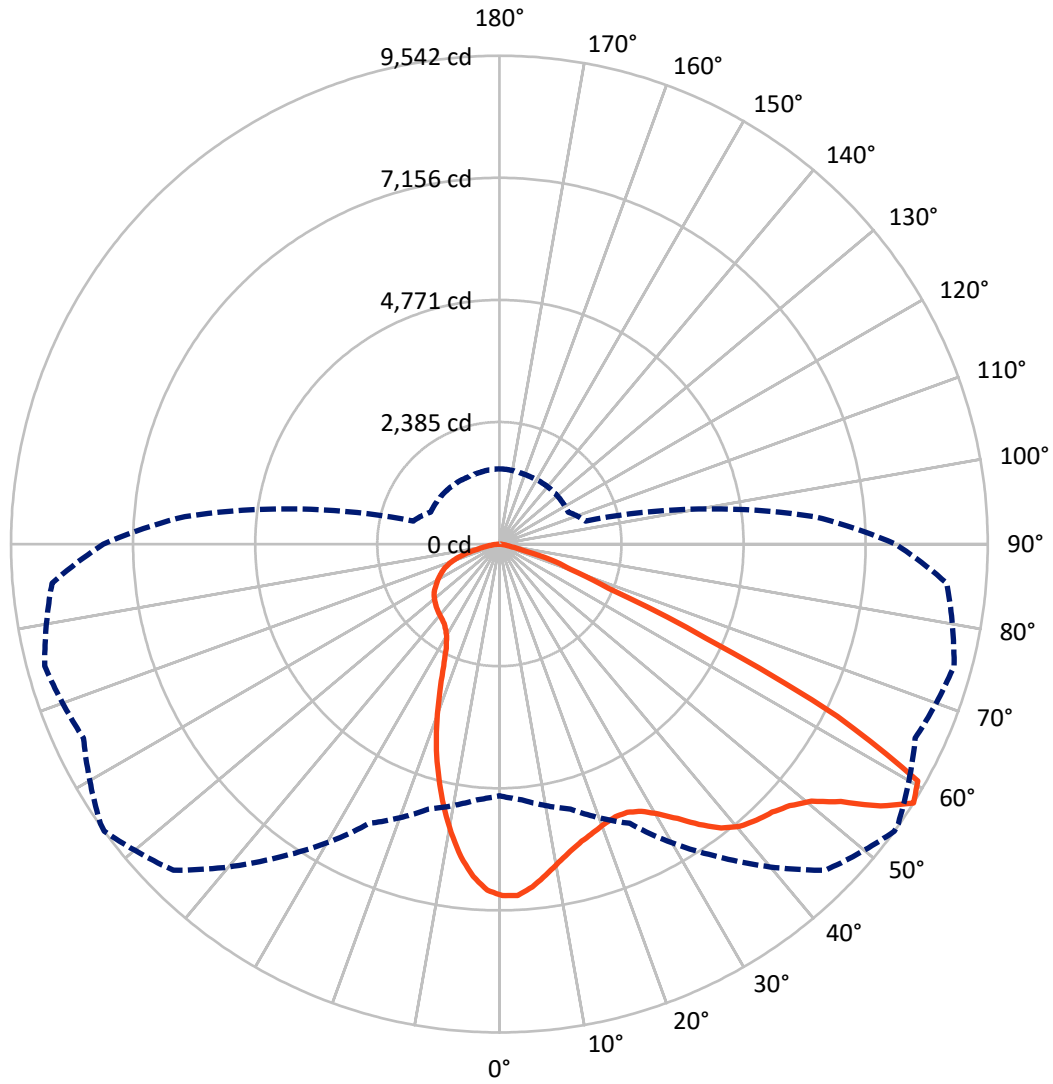
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA6B-760-U-SL3-W-GRSWH

### 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
<b>House Side</b>	Lumens	5200.5	0.0	5200.5
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	12688.2	0.0	12688.2
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	17888.7	0.0	17888.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.7	3.4
10°-20°	1440.5	8.1
20°-30°	1993.4	11.1
30°-40°	2769.8	15.5
40°-50°	3658.1	20.4
50°-60°	4347.1	24.3
60°-70°	2408.4	13.5
70°-80°	599.7	3.4
80°-90°	68.2	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°	17888.7	100.0
0°-180°	17888.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641829

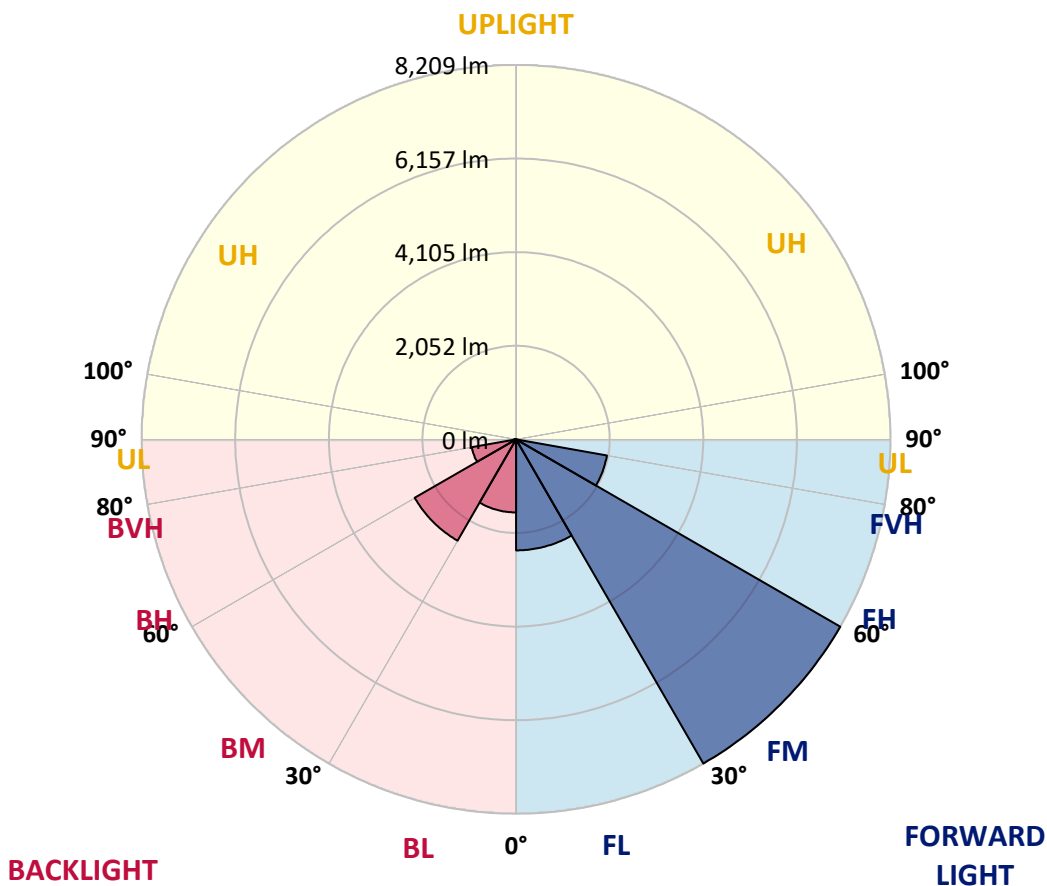
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2434.9	13.6			
FM (30°-60°)	8209.4	45.9			
FH (60°-80°)	2022.6	11.3			G2/5000
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	1602.6	9.0	B3/2500		
BM (30°-60°)	2565.5	14.3	B3/5000		
BH (60°-80°)	985.5	5.5	B2/1000		G2/1000
BVH (80°-90°)	46.9	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°	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9
2.5°	6739.2	6753.0	6762.2	6794.4	6821.9	6846.4	6872.5	6872.5	6870.9	6866.3	6857.2
5°	6472.8	6488.1	6509.6	6554.0	6613.7	6656.6	6727.0	6733.1	6763.7	6776.0	6769.9
7.5°	6163.5	6168.1	6195.6	6253.8	6348.8	6425.3	6526.4	6538.6	6612.2	6655.0	6647.4
10°	5825.1	5809.8	5858.8	5944.5	6068.5	6197.2	6327.3	6338.0	6456.0	6537.1	6531.0
12.5°	5515.7	5517.3	5566.3	5670.4	5825.1	5984.3	6158.9	6183.4	6328.9	6433.0	6422.3
15°	5257.0	5263.1	5322.8	5440.7	5616.8	5806.7	6024.1	6047.1	6230.9	6368.7	6338.0
17.5°	5050.2	5056.4	5108.4	5243.2	5431.5	5661.2	5926.1	5949.1	6177.3	6341.1	6278.3
20°	4907.8	4904.8	4955.3	5083.9	5278.4	5528.0	5840.4	5874.1	6160.4	6351.8	6238.5
22.5°	4849.6	4848.1	4884.8	4990.5	5172.7	5425.4	5788.3	5834.3	6178.8	6399.3	6214.0
25°	4878.7	4872.6	4904.8	4982.8	5128.3	5385.6	5803.6	5852.6	6256.9	6497.3	6218.6
27.5°	4969.1	4961.4	4989.0	5059.4	5169.7	5426.9	5910.8	5967.5	6422.3	6676.5	6279.9
30°	5106.9	5102.3	5129.9	5197.2	5293.7	5564.7	6116.0	6180.3	6678.0	6955.2	6413.1
32.5°	5267.7	5260.0	5309.0	5387.1	5498.9	5815.9	6391.6	6475.9	6981.2	7313.5	6636.7
35°	5448.4	5442.2	5509.6	5622.9	5783.7	6165.0	6725.5	6817.3	7290.5	7719.3	6933.7
37.5°	5624.5	5624.5	5754.6	5923.1	6125.2	6544.8	7039.4	7097.6	7504.9	8079.1	7252.2
40°	5780.7	5789.8	5985.8	6238.5	6495.8	6887.8	7246.1	7295.1	7599.8	8327.2	7529.4
42.5°	5953.7	5961.3	6189.5	6520.3	6826.5	7165.0	7371.7	7396.2	7618.2	8451.2	7725.4
45°	6091.5	6102.2	6385.5	6739.2	7114.4	7373.2	7471.2	7492.6	7644.2	8518.6	7867.8
47.5°	6163.5	6178.8	6503.4	6915.3	7308.9	7560.0	7635.1	7644.2	7751.4	8636.5	8039.3
50°	6151.2	6181.9	6547.8	7002.6	7452.8	7748.4	7898.4	7913.8	7970.4	8809.6	8239.9
52.5°	6260.0	6273.7	6642.8	7106.8	7658.0	8096.0	8356.3	8377.7	8351.7	8939.7	8359.4
55°	6079.3	6145.1	6524.9	7091.4	7970.4	8633.5	9034.7	9023.9	8697.8	9085.2	8558.4
57.5°	4917.0	5013.5	5361.1	6019.5	7455.9	9010.2	9541.5	9515.5	8965.8	9197.0	8774.3
60°	3404.1	3419.4	3733.3	4200.4	5754.6	7959.7	9393.0	9449.6	9014.8	9056.1	8374.7
62.5°	2722.7	2718.1	2747.2	2759.4	3659.8	5595.4	7414.6	7621.3	7489.6	7056.2	5935.3
65°	2324.5	2341.4	2427.1	2382.7	2388.8	3151.4	4430.0	4459.1	4367.3	4211.1	3139.2
67.5°	1819.2	1848.3	1999.9	2172.9	2117.8	2029.0	2298.5	2284.7	1800.8	1393.5	1151.5
70°	1139.3	1157.7	1320.0	1705.9	1843.7	1666.1	1477.7	1471.6	964.7	793.2	869.8
72.5°	664.6	667.6	713.6	950.9	1223.5	1139.3	1087.2	1047.4	620.2	632.4	693.7
75°	366.0	366.0	364.4	410.4	482.4	427.2	413.5	402.7	415.0	470.1	516.0
77.5°	76.6	78.1	82.7	108.7	140.9	171.5	215.9	217.4	271.0	313.9	350.7
80°	35.2	36.8	45.9	58.2	75.0	99.5	131.7	133.2	163.8	197.5	222.0
82.5°	18.4	19.9	24.5	30.6	39.8	52.1	73.5	73.5	98.0	116.4	131.7
85°	6.1	6.1	9.2	12.3	16.8	21.4	29.1	29.1	42.9	56.7	65.8
87.5°	0.0	0.0	0.0	0.0	1.5	3.1	6.1	6.1	7.7	9.2	15.3
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°	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9	6867.9
2.5°	6837.3	6789.8	6791.3	6800.5	6771.4	6727.0	6697.9	6661.2	6638.2	6633.6	6650.4
5°	6739.2	6684.1	6645.8	6606.0	6523.3	6425.3	6348.8	6286.0	6244.6	6229.3	6211.0
7.5°	6604.5	6532.5	6436.1	6324.3	6174.2	5999.6	5877.1	5762.3	5682.7	5659.7	5649.0
10°	6469.7	6365.6	6194.1	5985.8	5736.2	5500.4	5278.4	5108.4	4973.7	4897.1	4921.6
12.5°	6330.4	6201.8	5933.8	5613.7	5266.1	4910.9	4619.9	4338.2	4120.7	4012.0	3979.8
15°	6207.9	6033.3	5659.7	5226.3	4763.9	4316.7	3895.6	3473.0	3197.4	3047.3	3005.9
17.5°	6103.8	5877.1	5370.3	4831.2	4278.5	3641.4	3123.9	2731.8	2543.5	2460.8	2454.7
20°	6001.2	5724.0	5083.9	4405.5	3718.0	3004.4	2542.0	2358.2	2290.8	2261.7	2260.2
22.5°	5909.3	5563.2	4782.2	3979.8	3160.6	2525.1	2270.9	2191.3	2172.9	2172.9	2169.9
25°	5831.2	5402.4	4472.9	3528.1	2656.8	2247.9	2130.0	2096.3	2104.0	2117.8	2119.3
27.5°	5799.0	5276.9	4174.3	3064.1	2309.2	2087.2	2033.6	2029.0	2050.4	2071.8	2074.9
30°	5832.7	5191.1	3868.1	2620.1	2100.9	1989.2	1964.7	1973.8	1999.9	2021.3	2021.3
32.5°	5936.8	5148.2	3555.7	2295.4	1980.0	1920.2	1912.6	1921.8	1941.7	1953.9	1955.5
35°	6112.9	5165.1	3232.6	2076.4	1901.9	1869.7	1868.2	1874.3	1882.0	1889.6	1891.2
37.5°	6335.0	5240.1	2886.5	1949.3	1851.3	1833.0	1829.9	1828.4	1829.9	1829.9	1831.4
40°	6552.4	5353.4	2577.2	1874.3	1816.1	1800.8	1793.2	1782.4	1780.9	1777.8	1776.3
42.5°	6713.2	5440.7	2330.6	1820.7	1784.0	1765.6	1756.4	1739.6	1738.0	1736.5	1735.0
45°	6834.2	5514.2	2125.4	1768.7	1750.3	1733.4	1713.5	1698.2	1701.3	1704.3	1704.3
47.5°	6970.5	5578.5	1975.4	1719.6	1708.9	1692.1	1667.6	1656.9	1667.6	1678.3	1678.3
50°	7135.9	5668.9	1852.9	1670.6	1666.1	1646.1	1624.7	1620.1	1632.4	1647.7	1647.7
52.5°	7256.8	5747.0	1765.6	1621.6	1621.6	1595.6	1577.2	1575.7	1589.5	1604.8	1606.3
55°	7483.5	5929.2	1735.0	1565.0	1558.9	1539.0	1525.2	1514.5	1531.3	1545.1	1545.1
57.5°	7739.2	6171.1	1742.6	1483.8	1476.2	1470.0	1459.3	1447.1	1451.7	1467.0	1468.5
60°	7197.1	5702.6	1658.4	1402.7	1398.1	1395.0	1381.2	1359.8	1365.9	1378.2	1379.7
62.5°	5027.3	3790.0	1341.4	1301.6	1316.9	1315.4	1297.0	1272.5	1274.0	1290.9	1290.9
65°	2609.3	2050.4	1177.6	1209.7	1232.7	1223.5	1192.9	1171.4	1168.4	1189.8	1185.2
67.5°	1125.5	1119.4	1071.9	1113.3	1137.8	1117.8	1085.7	1050.5	1053.5	1061.2	1055.1
70°	906.5	934.1	954.0	998.4	1018.3	981.6	946.3	926.4	909.6	908.1	897.3
72.5°	724.3	762.6	807.0	852.9	859.1	822.3	777.9	759.5	733.5	732.0	721.2
75°	545.1	577.3	612.5	649.3	649.3	614.1	585.0	575.8	545.1	536.0	526.8
77.5°	372.1	392.0	419.6	428.8	438.0	424.2	395.1	379.8	344.5	335.4	323.1
80°	234.3	248.1	264.9	271.0	280.2	263.4	240.4	223.6	199.1	191.4	185.3
82.5°	140.9	150.1	160.8	163.8	171.5	159.3	137.8	125.6	111.8	105.7	101.1
85°	72.0	76.6	82.7	84.2	82.7	70.4	62.8	56.7	47.5	45.9	42.9
87.5°	18.4	21.4	23.0	21.4	19.9	15.3	10.7	7.7	3.1	3.1	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)