

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: P642015

Luminaire Tested: GWS-SA6C-722-U-T2R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-722-U-T2R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

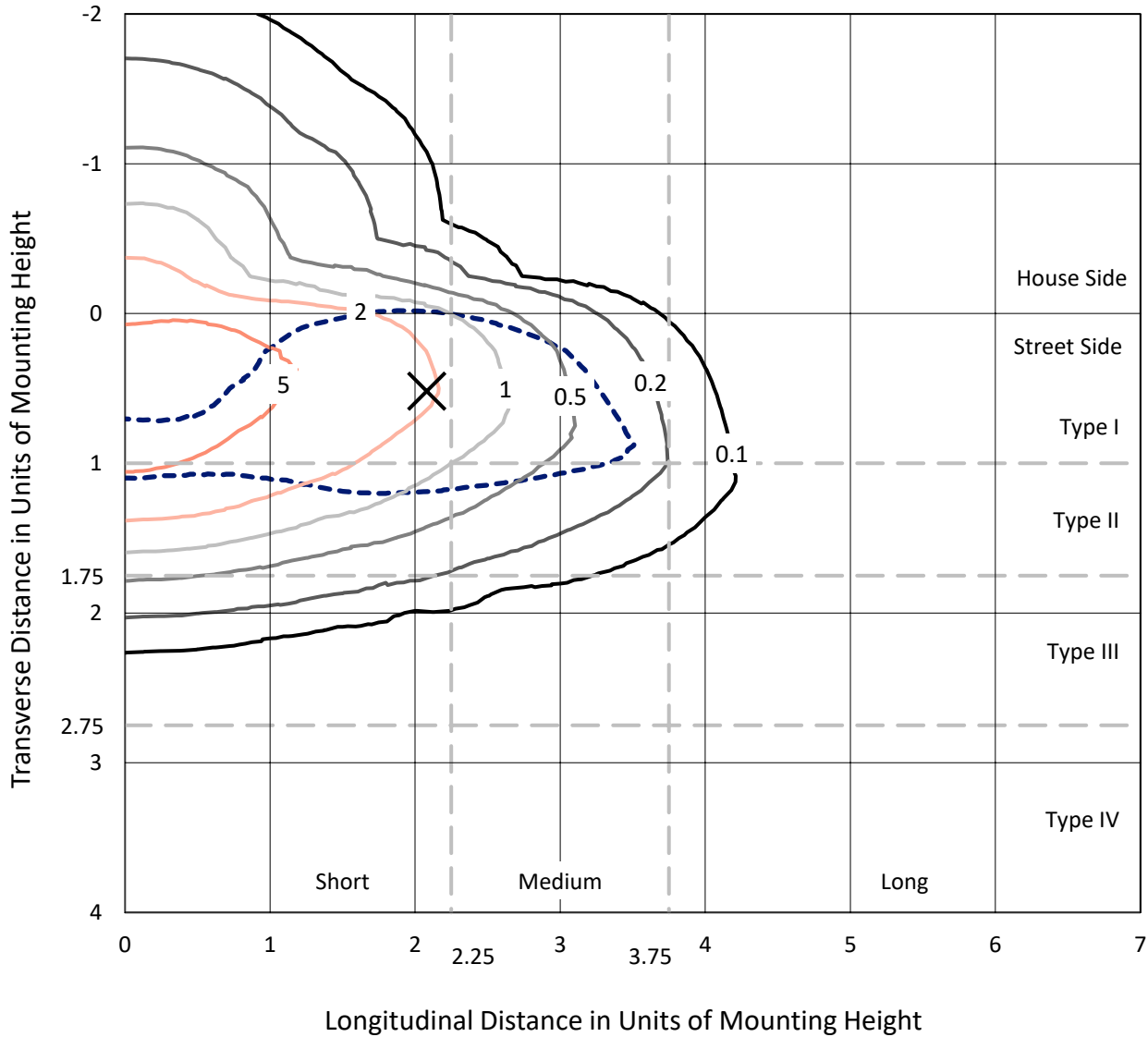
Lumens per Lamp: N/A  
Luminaire Lumens: 21327 lumens  
Efficiency: N/A  
Efficacy: 112.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P642015  
 CATALOG NUMBER: GWS-SA6C-722-U-T2R-W

### Iso-Footcandle Lines of Horizontal Illumination

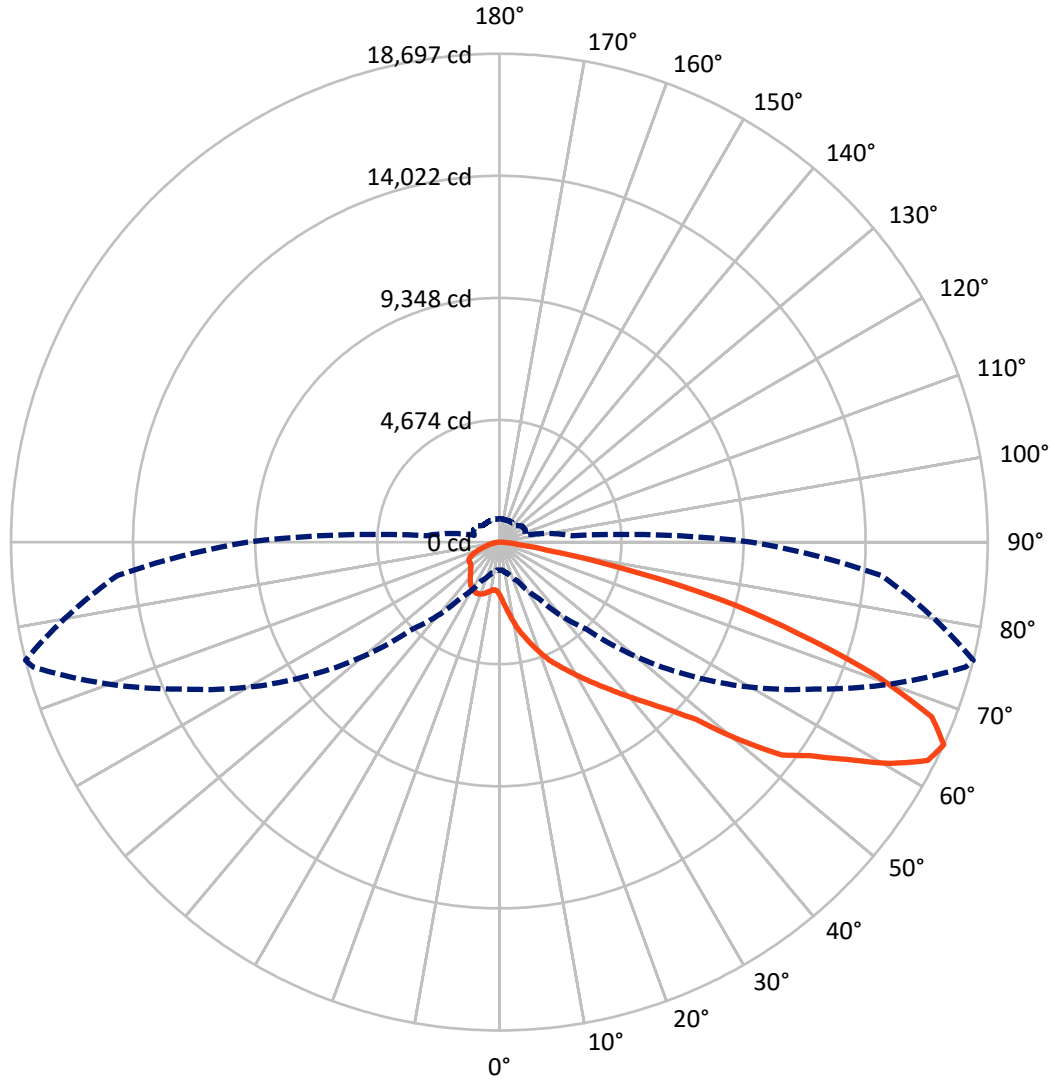
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P642015  
CATALOG NUMBER: GWS-SA6C-722-U-T2R-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P642015

CATALOG NUMBER: GWS-SA6C-722-U-T2R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3564.8	0.0	3564.8
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	17762.2	0.0	17762.2
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	21327.0	0.0	21327.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.9	1.1
10°-20°	913.9	4.3
20°-30°	1781.1	8.4
30°-40°	2978.7	14.0
40°-50°	4264.9	20.0
50°-60°	5049.1	23.7
60°-70°	4198.4	19.7
70°-80°	1718.1	8.1
80°-90°	182.9	0.9
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°	21327.0	100.0
0°-180°	21327.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642015

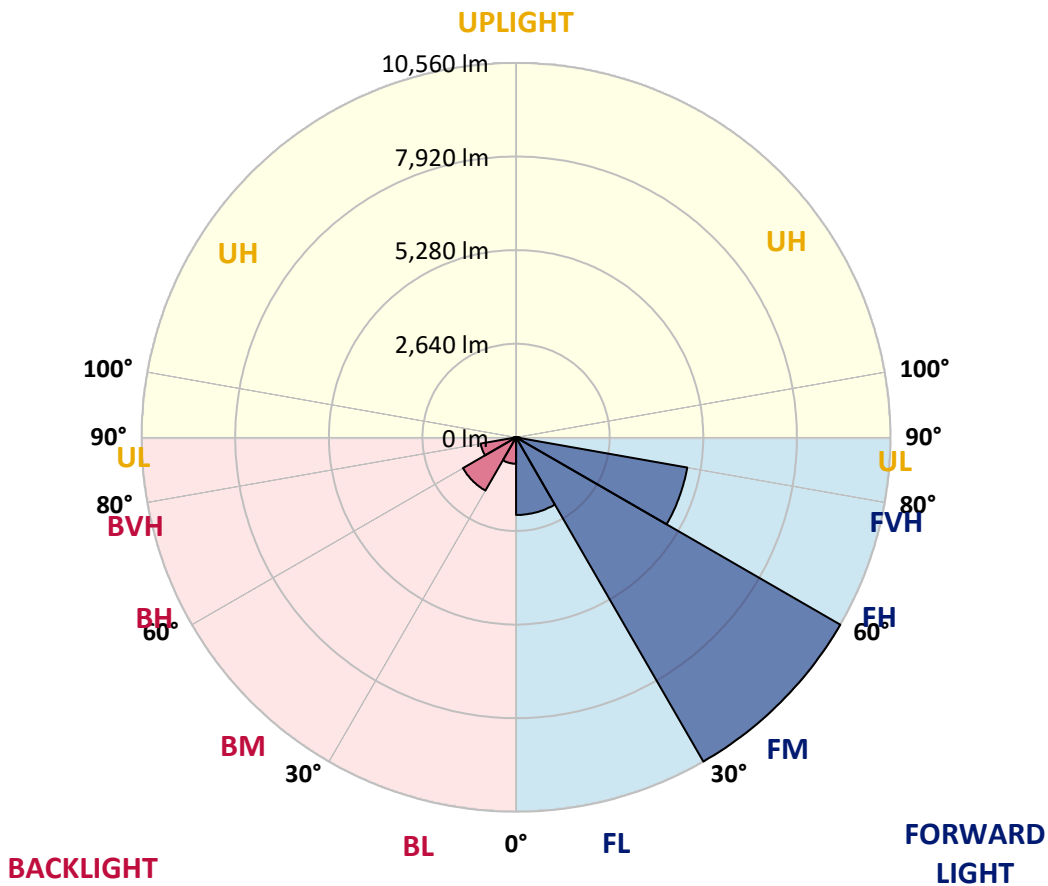
CATALOG NUMBER: GWS-SA6C-722-U-T2R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2189.1	10.3			
FM (30°-60°)	10560.3	49.5			
FH (60°-80°)	4903.6	23.0			G2/5000
FVH (80°-90°)	109.1	0.5			G2/225
BL (0°-30°)	745.8	3.5	B2/1000		
BM (30°-60°)	1732.4	8.1	B2/2500		
BH (60°-80°)	1012.8	4.7	B3/2500		G3/2500
BVH (80°-90°)	73.8	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





REPORT NUMBER: P642015  
 CATALOG NUMBER: GWS-SA6C-722-U-T2R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6
2.5°	2830.7	2841.2	2806.7	2794.7	2713.8	2604.3	2512.9	2374.9	2247.5	2228.0	2114.0
5°	3595.4	3550.4	3511.4	3485.9	3373.5	3249.0	3055.6	2796.2	2524.9	2491.9	2246.0
7.5°	4049.7	4042.2	3994.2	3979.2	3892.2	3767.8	3568.4	3246.0	2851.7	2797.7	2424.4
10°	4414.0	4409.5	4385.5	4399.0	4319.5	4198.1	4004.7	3671.8	3210.1	3156.1	2623.8
12.5°	4731.9	4739.4	4734.9	4784.3	4743.9	4649.4	4448.5	4082.7	3568.4	3509.9	2866.7
15°	4964.3	4970.3	4992.7	5100.7	5123.2	5103.7	4899.8	4486.0	3922.2	3838.3	3117.1
17.5°	5030.2	5042.2	5096.2	5270.1	5391.6	5472.5	5321.1	4896.8	4270.1	4178.6	3372.0
20°	5118.7	5132.2	5186.2	5367.6	5546.0	5730.4	5703.4	5313.6	4620.9	4545.9	3629.9
22.5°	5528.0	5517.5	5493.5	5580.5	5707.9	5937.3	6004.8	5713.9	4983.7	4911.8	3914.7
25°	6316.6	6297.2	6144.2	6064.8	6022.8	6162.2	6282.2	6078.3	5337.6	5229.6	4180.1
27.5°	7186.3	7175.8	6980.8	6791.9	6534.0	6474.1	6544.5	6396.1	5680.9	5571.5	4411.0
30°	8009.4	7977.9	7774.0	7537.1	7192.3	6934.4	6830.9	6708.0	6057.3	5943.3	4680.9
32.5°	8745.6	8705.1	8465.2	8202.8	7841.5	7537.1	7228.2	7039.3	6483.1	6351.1	4956.8
35°	9349.8	9309.3	9063.4	8784.5	8387.2	8162.3	7739.5	7399.2	6916.4	6782.9	5282.1
37.5°	9817.6	9780.1	9523.7	9249.3	8903.0	8724.6	8357.2	7804.0	7415.7	7276.2	5627.0
40°	10079.9	10053.0	9847.6	9630.2	9339.3	9184.9	9019.9	8315.2	7974.9	7835.5	6033.3
42.5°	10159.4	10141.4	9997.5	9885.0	9688.6	9571.7	9666.1	8916.5	8571.6	8450.2	6490.6
45°	9960.0	9960.0	9918.0	9975.0	9984.0	9982.5	10313.8	9595.7	9304.8	9171.4	7135.3
47.5°	9450.2	9483.2	9544.7	9825.1	10120.4	10367.8	11071.0	10501.3	10247.9	10138.4	8048.4
50°	8517.7	8607.6	8817.5	9364.8	9993.0	10622.7	11787.7	11840.2	12081.5	11888.1	9391.8
52.5°	7151.8	7138.3	7673.5	8453.2	9411.3	10633.2	12182.0	13021.6	13670.8	13537.4	10390.3
55°	5683.9	5661.4	6160.7	7235.7	8519.2	10231.4	12418.9	13562.9	14552.4	14432.5	11288.4
57.5°	4352.5	4324.0	4767.8	5737.9	7259.7	9378.3	12373.9	14207.6	15765.4	15703.9	12508.9
60°	2995.6	2961.2	3376.5	4225.1	5769.4	8073.9	11876.1	14538.9	17185.2	17206.2	13814.8
62.5°	1799.2	1779.7	2081.1	2739.3	4150.1	6457.6	10711.2	14338.0	18315.7	18410.2	14654.4
65°	1085.5	1072.0	1248.9	1634.3	2632.8	4712.4	8915.0	13311.0	18479.2	18696.6	14673.9
67.5°	790.1	791.6	842.6	995.6	1535.3	3043.6	6690.0	11469.8	17627.5	17852.4	13748.8
70°	686.7	689.7	716.7	751.2	928.1	1742.2	4349.5	9054.4	15110.2	15284.1	11531.3
72.5°	610.2	610.2	628.2	646.2	725.7	1061.5	2329.9	6328.6	11925.6	11972.1	8801.0
75°	536.8	532.3	541.3	550.3	629.7	742.2	1133.5	4409.5	8808.5	8700.6	5688.4
77.5°	427.3	422.8	424.3	433.3	505.3	530.8	574.2	2754.3	4964.3	4685.4	2512.9
80°	304.4	301.4	317.9	340.3	373.3	325.4	359.8	1332.9	1968.6	1832.2	974.6
82.5°	181.4	187.4	212.9	230.9	257.9	203.9	232.4	445.3	697.2	679.2	395.8
85°	25.5	27.0	76.5	88.5	110.9	79.5	122.9	200.9	278.9	298.4	139.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.5	36.0	79.5	81.0	34.5
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: P642015  
 CATALOG NUMBER: GWS-SA6C-722-U-T2R-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6
2.5°	2055.6	1985.1	1884.6	1800.7	1730.2	1673.2	1625.3	1589.3	1578.8	1563.8	1563.8
5°	2130.5	2003.1	1823.2	1695.7	1622.3	1578.8	1548.8	1533.8	1526.3	1517.3	1512.8
7.5°	2234.0	2055.6	1812.7	1683.7	1626.8	1599.8	1580.3	1571.3	1565.3	1556.3	1556.3
10°	2376.4	2133.5	1845.7	1725.7	1680.7	1653.8	1631.3	1616.3	1602.8	1589.3	1586.3
12.5°	2530.9	2235.5	1905.6	1782.7	1734.7	1701.7	1670.2	1647.8	1631.3	1614.8	1610.3
15°	2701.8	2340.4	1970.1	1838.2	1778.2	1733.2	1695.7	1661.2	1638.8	1614.8	1611.8
17.5°	2869.7	2446.9	2024.1	1875.7	1799.2	1743.7	1689.7	1644.8	1616.3	1589.3	1581.8
20°	3070.6	2553.3	2061.6	1886.1	1794.7	1721.2	1656.8	1599.8	1568.3	1536.8	1532.3
22.5°	3255.0	2652.3	2079.6	1871.2	1760.2	1673.2	1598.3	1536.8	1502.3	1470.8	1464.8
25°	3433.4	2739.3	2072.1	1835.2	1707.7	1607.3	1529.3	1467.8	1434.9	1401.9	1392.9
27.5°	3605.9	2797.7	2042.1	1779.7	1641.8	1533.8	1458.8	1403.4	1374.9	1346.4	1334.4
30°	3775.3	2851.7	1995.6	1707.7	1557.8	1457.3	1395.9	1356.9	1328.4	1298.4	1289.4
32.5°	3946.2	2890.7	1925.1	1623.8	1472.3	1389.9	1352.4	1323.9	1293.9	1263.9	1254.9
35°	4118.6	2907.2	1839.7	1527.8	1400.4	1346.4	1332.9	1299.9	1259.4	1223.4	1211.5
37.5°	4324.0	2922.2	1733.2	1433.4	1337.4	1325.4	1322.4	1272.9	1224.9	1175.5	1162.0
40°	4571.4	2941.7	1623.8	1347.9	1286.4	1317.9	1305.9	1238.4	1142.5	1094.5	1079.5
42.5°	4874.3	2977.7	1509.8	1269.9	1248.9	1289.4	1275.9	1154.5	1090.0	1063.0	1055.5
45°	5319.6	3109.6	1395.9	1208.5	1220.4	1248.9	1227.9	1105.0	1079.5	1061.5	1052.5
47.5°	6112.7	3312.0	1296.9	1162.0	1198.0	1213.0	1132.0	1091.5	1072.0	1048.0	1037.5
50°	6937.4	3400.5	1217.5	1133.5	1172.5	1180.0	1079.5	1073.5	1060.0	1034.5	1024.0
52.5°	7495.1	3388.5	1169.5	1123.0	1151.5	1123.0	1055.5	1054.0	1045.0	1015.0	1003.0
55°	8124.8	3409.5	1148.5	1126.0	1142.5	1027.0	1025.5	1030.0	1025.5	992.6	986.6
57.5°	8974.9	3473.9	1138.0	1136.5	1136.5	980.6	997.0	1003.0	994.1	979.1	974.6
60°	9792.1	3478.4	1118.5	1148.5	1132.0	952.1	964.1	970.1	959.6	956.6	955.1
62.5°	10099.4	3262.5	1075.0	1139.5	1114.0	920.6	929.6	932.6	922.1	929.6	928.1
65°	9642.1	2803.7	1003.0	1096.0	1058.5	892.1	886.1	893.6	875.6	895.1	896.6
67.5°	8561.1	2228.0	893.6	1013.5	980.6	860.6	848.6	848.6	818.6	848.6	847.1
70°	6902.9	1574.3	733.2	881.6	895.1	823.1	817.1	782.6	734.7	779.6	775.1
72.5°	5232.6	1130.5	577.2	697.2	770.7	770.7	772.2	713.7	658.2	679.2	661.2
75°	3315.0	796.1	461.8	533.8	604.2	676.2	710.7	602.7	553.3	544.3	535.3
77.5°	1493.3	523.3	359.8	409.3	428.8	533.8	649.2	518.8	451.3	431.8	425.8
80°	625.2	325.4	256.4	289.4	263.9	448.3	572.7	403.3	331.4	304.4	284.9
82.5°	274.4	193.4	163.4	155.9	164.9	332.8	427.3	268.4	206.9	280.4	283.4
85°	115.4	102.0	84.0	76.5	67.5	127.4	200.9	105.0	128.9	73.5	60.0
87.5°	27.0	30.0	22.5	15.0	9.0	1.5	0.0	0.0	0.0	0.0	0.0
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)