

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: P631104

Luminaire Tested: GWS-SA1F-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631104  
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-SA1F-722-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

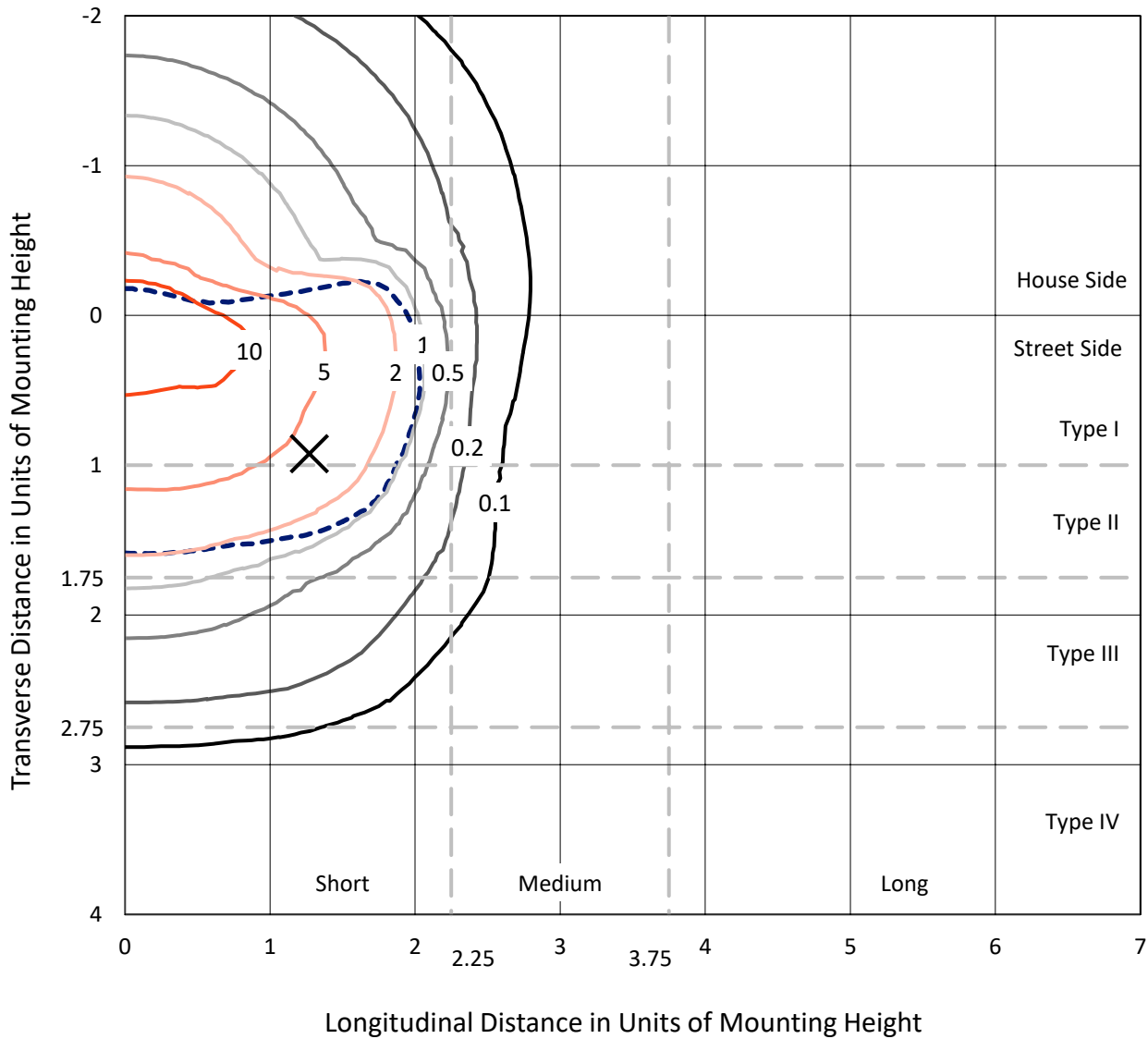
Lumens per Lamp: N/A  
Luminaire Lumens: 5197 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P631104  
 CATALOG NUMBER: GWS-SA1F-722-U-SL3-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

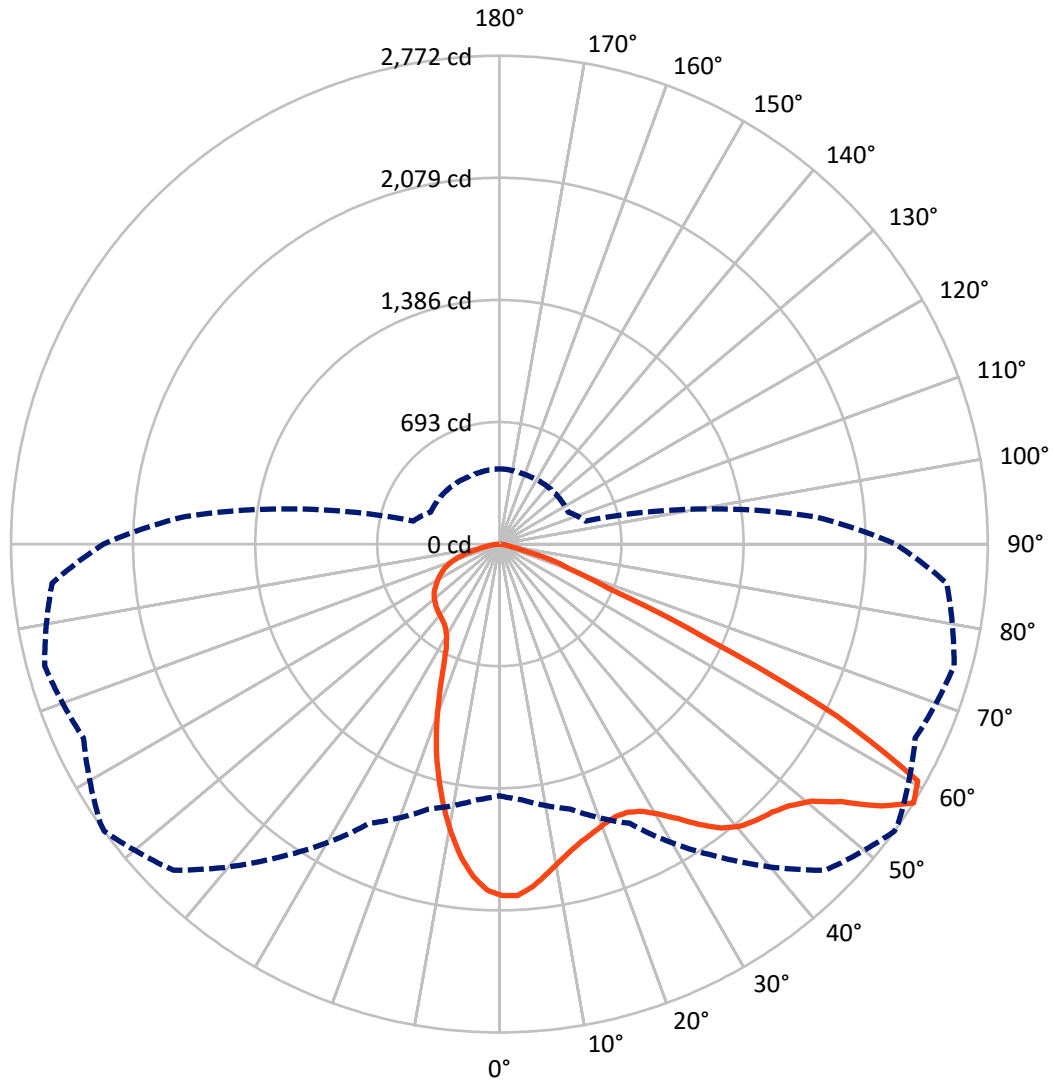
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc  
 Type II - Short - N/A

REPORT NUMBER: P631104  
CATALOG NUMBER: GWS-SA1F-722-U-SL3-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P631104

CATALOG NUMBER: GWS-SA1F-722-U-SL3-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1510.8	0.0	1510.8
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	3686.2	0.0	3686.2
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	5197.0	0.0	5197.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.4	3.4
10°-20°	418.5	8.1
20°-30°	579.1	11.1
30°-40°	804.7	15.5
40°-50°	1062.7	20.4
50°-60°	1262.9	24.3
60°-70°	699.7	13.5
70°-80°	174.2	3.4
80°-90°	19.8	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°	5197.0	100.0
0°-180°	5197.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P631104

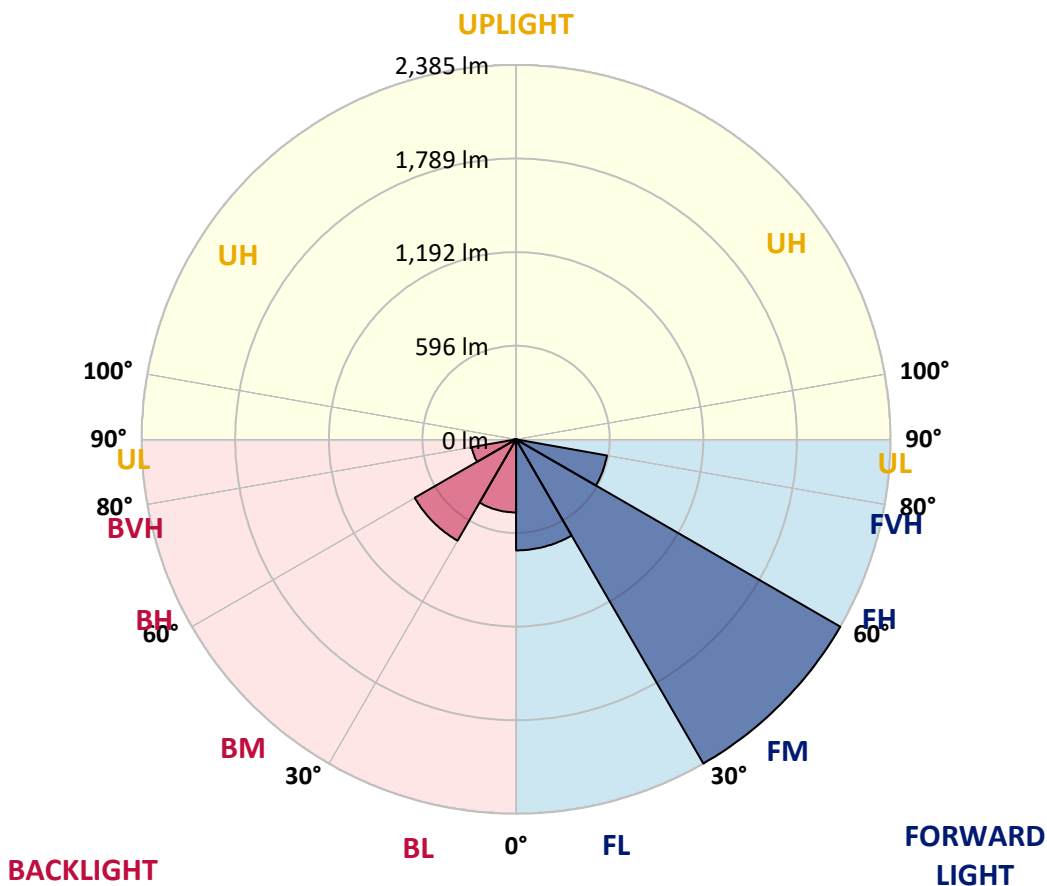
CATALOG NUMBER: GWS-SA1F-722-U-SL3-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.4	13.6			
FM (30°-60°)	2385.0	45.9			
FH (60°-80°)	587.6	11.3			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	465.6	9.0	B1/500		
BM (30°-60°)	745.3	14.3	B1/1000		
BH (60°-80°)	286.3	5.5	B1/500		G1/500
BVH (80°-90°)	13.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





REPORT NUMBER: P631104

CATALOG NUMBER: GWS-SA1F-722-U-SL3-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2
2.5°	1957.9	1961.9	1964.6	1973.9	1981.9	1989.0	1996.6	1996.6	1996.1	1994.8	1992.1
5°	1880.5	1884.9	1891.1	1904.0	1921.4	1933.9	1954.3	1956.1	1965.0	1968.6	1966.8
7.5°	1790.6	1791.9	1799.9	1816.9	1844.4	1866.7	1896.0	1899.6	1921.0	1933.4	1931.2
10°	1692.3	1687.8	1702.1	1727.0	1763.0	1800.4	1838.2	1841.3	1875.6	1899.2	1897.4
12.5°	1602.4	1602.9	1617.1	1647.4	1692.3	1738.6	1789.3	1796.4	1838.7	1868.9	1865.8
15°	1527.2	1529.0	1546.4	1580.6	1631.8	1687.0	1750.1	1756.8	1810.2	1850.2	1841.3
17.5°	1467.2	1469.0	1484.1	1523.2	1578.0	1644.7	1721.7	1728.3	1794.6	1842.2	1824.0
20°	1425.8	1424.9	1439.6	1477.0	1533.5	1606.0	1696.7	1706.5	1789.7	1845.3	1812.4
22.5°	1408.9	1408.5	1419.1	1449.8	1502.8	1576.2	1681.6	1695.0	1795.1	1859.1	1805.3
25°	1417.4	1415.6	1424.9	1447.6	1489.9	1564.6	1686.1	1700.3	1817.7	1887.6	1806.6
27.5°	1443.6	1441.4	1449.4	1469.9	1501.9	1576.6	1717.2	1733.7	1865.8	1939.6	1824.4
30°	1483.6	1482.3	1490.3	1509.9	1537.9	1616.7	1776.8	1795.5	1940.1	2020.6	1863.1
32.5°	1530.4	1528.1	1542.4	1565.1	1597.5	1689.6	1856.9	1881.4	2028.2	2124.7	1928.1
35°	1582.9	1581.1	1600.6	1633.6	1680.3	1791.1	1953.9	1980.6	2118.0	2242.6	2014.4
37.5°	1634.0	1634.0	1671.8	1720.8	1779.5	1901.4	2045.1	2062.0	2180.3	2347.1	2106.9
40°	1679.4	1682.1	1739.0	1812.4	1887.1	2001.0	2105.1	2119.4	2207.9	2419.2	2187.4
42.5°	1729.7	1731.9	1798.2	1894.3	1983.2	2081.6	2141.6	2148.7	2213.2	2455.2	2244.4
45°	1769.7	1772.8	1855.1	1957.9	2066.9	2142.1	2170.5	2176.8	2220.8	2474.8	2285.7
47.5°	1790.6	1795.1	1889.4	2009.0	2123.4	2196.3	2218.1	2220.8	2251.9	2509.1	2335.6
50°	1787.0	1795.9	1902.3	2034.4	2165.2	2251.0	2294.6	2299.1	2315.6	2559.3	2393.9
52.5°	1818.6	1822.6	1929.9	2064.6	2224.8	2352.0	2427.7	2433.9	2426.3	2597.2	2428.6
55°	1766.1	1785.3	1895.6	2060.2	2315.6	2508.2	2624.7	2621.6	2526.9	2639.4	2486.4
57.5°	1428.5	1456.5	1557.5	1748.8	2166.1	2617.6	2772.0	2764.4	2604.7	2671.9	2549.1
60°	988.9	993.4	1084.6	1220.3	1671.8	2312.4	2728.8	2745.3	2619.0	2631.0	2433.0
62.5°	791.0	789.6	798.1	801.7	1063.2	1625.6	2154.1	2214.1	2175.9	2050.0	1724.3
65°	675.3	680.2	705.1	692.2	694.0	915.5	1287.0	1295.5	1268.8	1223.4	912.0
67.5°	528.5	537.0	581.0	631.3	615.3	589.5	667.8	663.7	523.2	404.8	334.5
70°	331.0	336.3	383.5	495.6	535.6	484.0	429.3	427.5	280.3	230.4	252.7
72.5°	193.1	194.0	207.3	276.3	355.5	331.0	315.9	304.3	180.2	183.7	201.5
75°	106.3	106.3	105.9	119.2	140.1	124.1	120.1	117.0	120.6	136.6	149.9
77.5°	22.2	22.7	24.0	31.6	40.9	49.8	62.7	63.2	78.7	91.2	101.9
80°	10.2	10.7	13.3	16.9	21.8	28.9	38.3	38.7	47.6	57.4	64.5
82.5°	5.3	5.8	7.1	8.9	11.6	15.1	21.4	21.4	28.5	33.8	38.3
85°	1.8	1.8	2.7	3.6	4.9	6.2	8.5	8.5	12.5	16.5	19.1
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.8	1.8	2.2	2.7	4.4
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: P631104

CATALOG NUMBER: GWS-SA1F-722-U-SL3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2	1995.2
2.5°	1986.3	1972.6	1973.0	1975.7	1967.2	1954.3	1945.9	1935.2	1928.5	1927.2	1932.1
5°	1957.9	1941.9	1930.7	1919.2	1895.2	1866.7	1844.4	1826.2	1814.2	1809.7	1804.4
7.5°	1918.7	1897.8	1869.8	1837.3	1793.7	1743.0	1707.4	1674.0	1650.9	1644.2	1641.1
10°	1879.6	1849.3	1799.5	1739.0	1666.5	1598.0	1533.5	1484.1	1444.9	1422.7	1429.8
12.5°	1839.1	1801.7	1723.9	1630.9	1529.9	1426.7	1342.2	1260.3	1197.1	1165.6	1156.2
15°	1803.5	1752.8	1644.2	1518.3	1384.0	1254.1	1131.8	1009.0	928.9	885.3	873.3
17.5°	1773.3	1707.4	1560.2	1403.6	1243.0	1057.9	907.5	793.6	738.9	714.9	713.1
20°	1743.4	1662.9	1477.0	1279.9	1080.1	872.8	738.5	685.1	665.5	657.1	656.6
22.5°	1716.8	1616.2	1389.3	1156.2	918.2	733.6	659.7	636.6	631.3	631.3	630.4
25°	1694.1	1569.5	1299.5	1025.0	771.9	653.1	618.8	609.0	611.3	615.3	615.7
27.5°	1684.7	1533.0	1212.7	890.2	670.9	606.4	590.8	589.5	595.7	601.9	602.8
30°	1694.5	1508.1	1123.7	761.2	610.4	577.9	570.8	573.4	581.0	587.2	587.2
32.5°	1724.8	1495.7	1033.0	666.9	575.2	557.9	555.6	558.3	564.1	567.7	568.1
35°	1775.9	1500.5	939.1	603.2	552.5	543.2	542.7	544.5	546.7	549.0	549.4
37.5°	1840.4	1522.3	838.6	566.3	537.8	532.5	531.6	531.2	531.6	531.6	532.1
40°	1903.6	1555.3	748.7	544.5	527.6	523.2	520.9	517.8	517.4	516.5	516.1
42.5°	1950.3	1580.6	677.1	529.0	518.3	512.9	510.3	505.4	504.9	504.5	504.0
45°	1985.5	1602.0	617.5	513.8	508.5	503.6	497.8	493.4	494.3	495.1	495.1
47.5°	2025.1	1620.7	573.9	499.6	496.5	491.6	484.5	481.4	484.5	487.6	487.6
50°	2073.1	1646.9	538.3	485.4	484.0	478.2	472.0	470.7	474.2	478.7	478.7
52.5°	2108.2	1669.6	512.9	471.1	471.1	463.6	458.2	457.8	461.8	466.2	466.7
55°	2174.1	1722.5	504.0	454.7	452.9	447.1	443.1	440.0	444.9	448.9	448.9
57.5°	2248.4	1792.8	506.3	431.1	428.9	427.1	424.0	420.4	421.7	426.2	426.6
60°	2090.9	1656.7	481.8	407.5	406.2	405.3	401.3	395.0	396.8	400.4	400.8
62.5°	1460.5	1101.1	389.7	378.1	382.6	382.1	376.8	369.7	370.1	375.0	375.0
65°	758.1	595.7	342.1	351.4	358.1	355.5	346.6	340.3	339.4	345.7	344.3
67.5°	327.0	325.2	311.4	323.4	330.5	324.8	315.4	305.2	306.1	308.3	306.5
70°	263.4	271.4	277.2	290.1	295.8	285.2	274.9	269.1	264.3	263.8	260.7
72.5°	210.4	221.5	234.4	247.8	249.6	238.9	226.0	220.7	213.1	212.6	209.5
75°	158.4	167.7	177.9	188.6	188.6	178.4	169.9	167.3	158.4	155.7	153.0
77.5°	108.1	113.9	121.9	124.6	127.2	123.2	114.8	110.3	100.1	97.4	93.9
80°	68.1	72.1	77.0	78.7	81.4	76.5	69.8	65.0	57.8	55.6	53.8
82.5°	40.9	43.6	46.7	47.6	49.8	46.3	40.0	36.5	32.5	30.7	29.4
85°	20.9	22.2	24.0	24.5	24.0	20.5	18.2	16.5	13.8	13.3	12.5
87.5°	5.3	6.2	6.7	6.2	5.8	4.4	3.1	2.2	0.9	0.9	0.4
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)