

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: P630389

Luminaire Tested: GWS-SA1D-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630389
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-SA1D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5194.5 lumens
Efficiency: N/A
Efficacy: 117.3 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

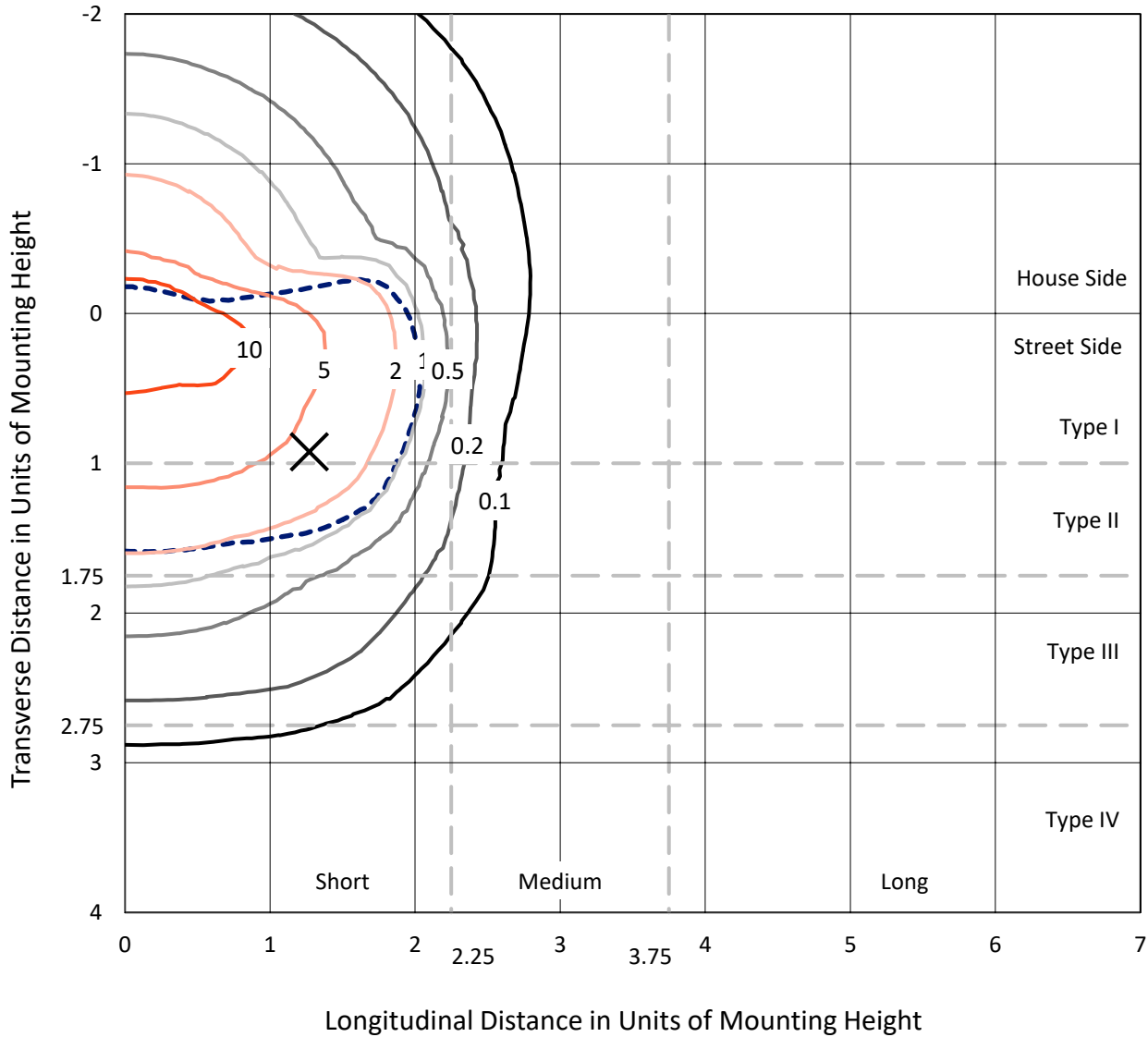
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

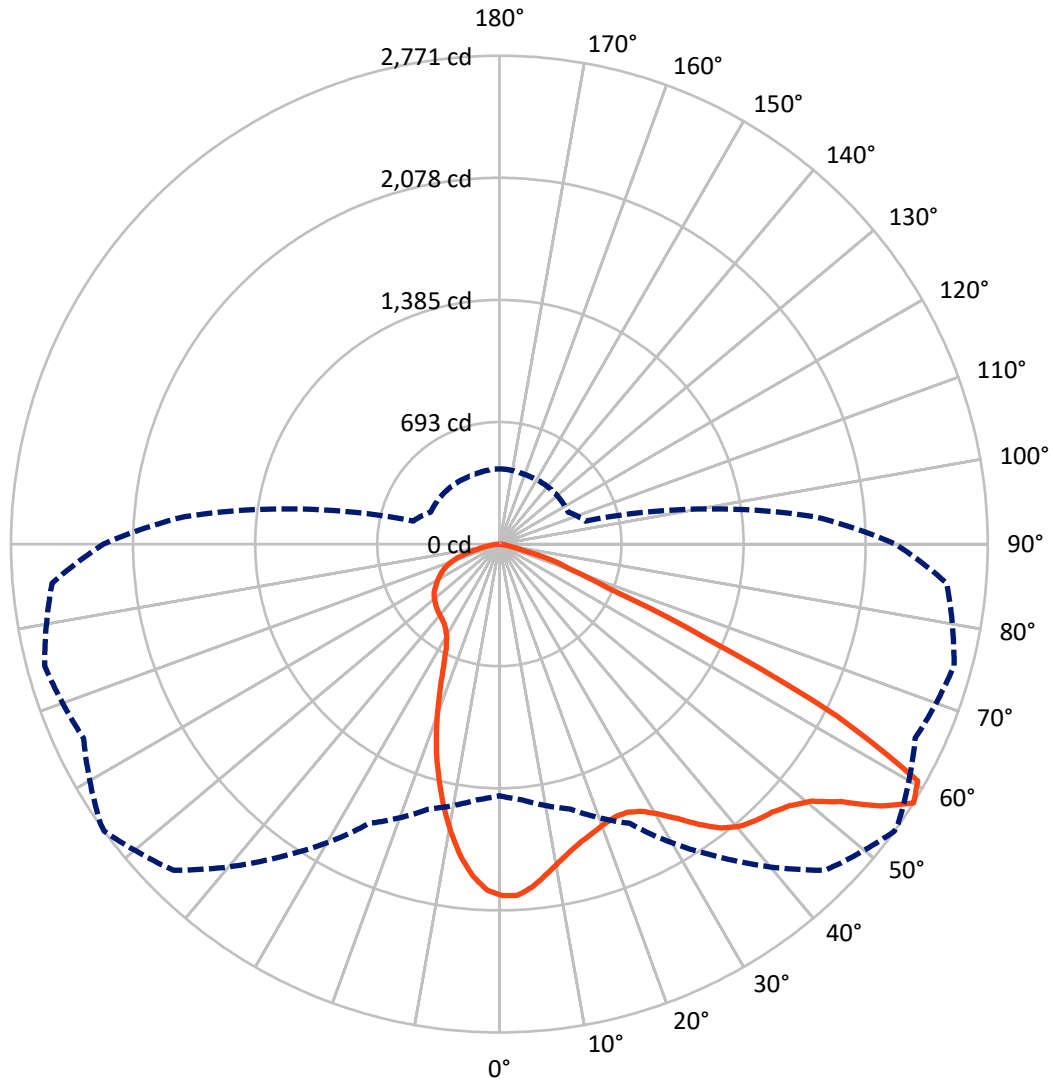
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.9 fc
 Type II - Short - N/A

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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
House Side	Lumens	1510.1	0.0	1510.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	3684.4	0.0	3684.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	5194.5	0.0	5194.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	3.4
10°-20°	418.3	8.1
20°-30°	578.8	11.1
30°-40°	804.3	15.5
40°-50°	1062.2	20.4
50°-60°	1262.3	24.3
60°-70°	699.3	13.5
70°-80°	174.1	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°	5194.5	100.0
0°-180°	5194.5	100.0

Coefficient of Utilization



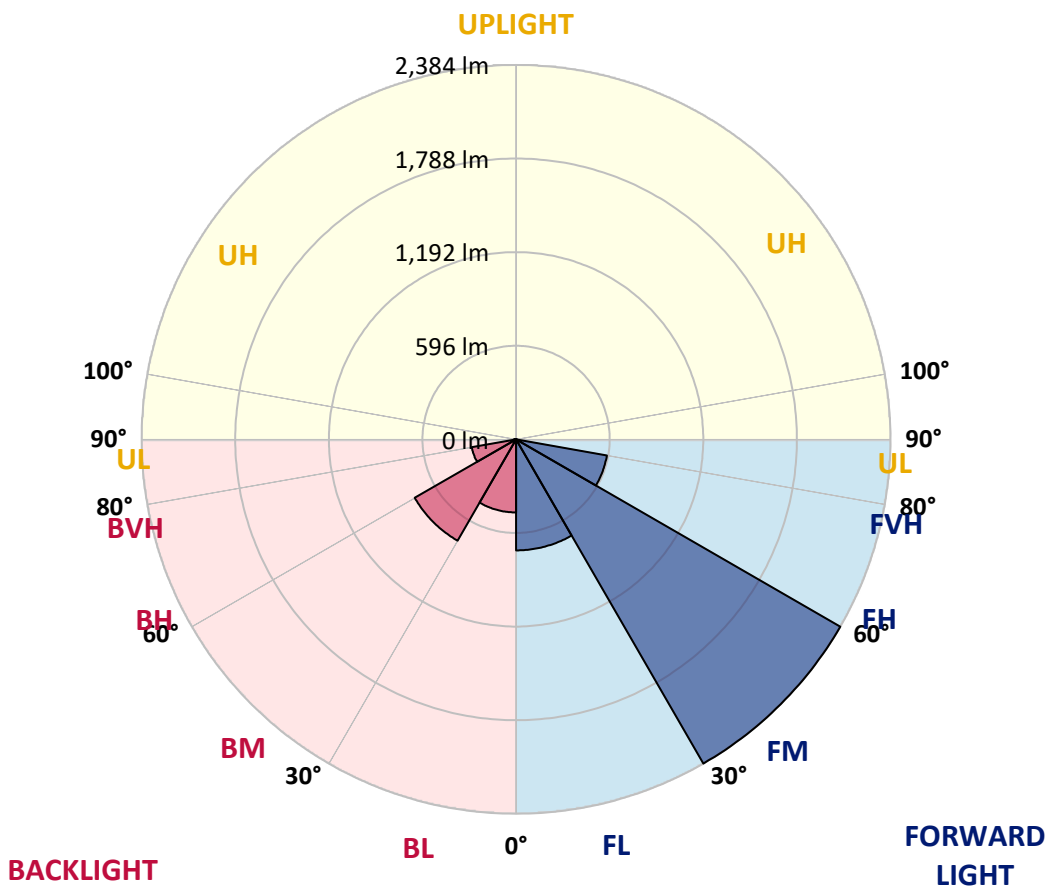
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.1	13.6			
FM (30°-60°)	2383.8	45.9			
FH (60°-80°)	587.3	11.3			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	465.4	9.0	B1/500		
BM (30°-60°)	745.0	14.3	B1/1000		
BH (60°-80°)	286.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3
2.5°	1956.9	1960.9	1963.6	1972.9	1980.9	1988.1	1995.6	1995.6	1995.2	1993.8	1991.2
5°	1879.6	1884.0	1890.2	1903.1	1920.5	1932.9	1953.4	1955.2	1964.0	1967.6	1965.8
7.5°	1789.7	1791.1	1799.1	1816.0	1843.5	1865.8	1895.1	1898.7	1920.0	1932.5	1930.3
10°	1691.5	1687.0	1701.3	1726.2	1762.2	1799.5	1837.3	1840.4	1874.7	1898.2	1896.5
12.5°	1601.7	1602.1	1616.3	1646.6	1691.5	1737.7	1788.4	1795.5	1837.8	1868.0	1864.9
15°	1526.5	1528.3	1545.6	1579.9	1631.0	1686.1	1749.3	1756.0	1809.3	1849.3	1840.4
17.5°	1466.5	1468.3	1483.4	1522.5	1577.2	1643.9	1720.8	1727.5	1793.7	1841.3	1823.1
20°	1425.1	1424.2	1438.9	1476.3	1532.7	1605.2	1695.9	1705.7	1788.9	1844.4	1811.5
22.5°	1408.2	1407.8	1418.5	1449.1	1502.1	1575.4	1680.8	1694.1	1794.2	1858.2	1804.4
25°	1416.7	1414.9	1424.2	1446.9	1489.2	1563.9	1685.2	1699.5	1816.9	1886.7	1805.8
27.5°	1442.9	1440.7	1448.7	1469.1	1501.2	1575.9	1716.4	1732.8	1864.9	1938.7	1823.5
30°	1482.9	1481.6	1489.6	1509.2	1537.2	1615.9	1776.0	1794.6	1939.1	2019.6	1862.2
32.5°	1529.6	1527.4	1541.6	1564.3	1596.8	1688.8	1856.0	1880.5	2027.2	2123.7	1927.1
35°	1582.1	1580.3	1599.9	1632.8	1679.5	1790.2	1952.9	1979.6	2117.0	2241.5	2013.4
37.5°	1633.2	1633.2	1671.0	1719.9	1778.6	1900.5	2044.1	2061.0	2179.3	2346.0	2105.9
40°	1678.6	1681.2	1738.2	1811.5	1886.2	2000.1	2104.1	2118.3	2206.8	2418.0	2186.4
42.5°	1728.8	1731.0	1797.3	1893.3	1982.3	2080.5	2140.6	2147.7	2212.2	2454.1	2243.3
45°	1768.8	1772.0	1854.2	1956.9	2065.9	2141.0	2169.5	2175.7	2219.7	2473.6	2284.6
47.5°	1789.7	1794.2	1888.5	2008.1	2122.3	2195.3	2217.1	2219.7	2250.9	2507.9	2334.4
50°	1786.2	1795.1	1901.4	2033.4	2164.1	2250.0	2293.5	2298.0	2314.4	2558.1	2392.7
52.5°	1817.8	1821.8	1928.9	2063.7	2223.7	2350.9	2426.5	2432.7	2425.2	2595.9	2427.4
55°	1765.3	1784.4	1894.7	2059.2	2314.4	2507.0	2623.5	2620.4	2525.7	2638.1	2485.2
57.5°	1427.8	1455.8	1556.7	1747.9	2165.0	2616.4	2770.7	2763.1	2603.5	2670.6	2547.9
60°	988.5	992.9	1084.1	1219.7	1671.0	2311.3	2727.5	2744.0	2617.7	2629.7	2431.8
62.5°	790.6	789.3	797.7	801.3	1062.7	1624.8	2153.0	2213.1	2174.8	2049.0	1723.5
65°	675.0	679.9	704.8	691.9	693.7	915.1	1286.4	1294.8	1268.2	1222.8	911.5
67.5°	528.3	536.7	580.7	631.0	615.0	589.2	667.4	663.4	522.9	404.6	334.4
70°	330.8	336.2	383.3	495.3	535.4	483.8	429.1	427.3	280.1	230.3	252.6
72.5°	193.0	193.9	207.2	276.1	355.3	330.8	315.7	304.1	180.1	183.6	201.4
75°	106.3	106.3	105.8	119.2	140.1	124.1	120.1	116.9	120.5	136.5	149.8
77.5°	22.2	22.7	24.0	31.6	40.9	49.8	62.7	63.1	78.7	91.2	101.8
80°	10.2	10.7	13.3	16.9	21.8	28.9	38.2	38.7	47.6	57.4	64.5
82.5°	5.3	5.8	7.1	8.9	11.6	15.1	21.3	21.3	28.5	33.8	38.2
85°	1.8	1.8	2.7	3.6	4.9	6.2	8.4	8.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3
2.5°	1985.4	1971.6	1972.1	1974.7	1966.3	1953.4	1944.9	1934.3	1927.6	1926.3	1931.1
5°	1956.9	1940.9	1929.8	1918.3	1894.2	1865.8	1843.5	1825.3	1813.3	1808.9	1803.5
7.5°	1917.8	1896.9	1868.9	1836.4	1792.9	1742.2	1706.6	1673.2	1650.1	1643.5	1640.3
10°	1878.7	1848.4	1798.6	1738.2	1665.7	1597.2	1532.7	1483.4	1444.2	1422.0	1429.1
12.5°	1838.2	1800.9	1723.0	1630.1	1529.2	1426.0	1341.5	1259.7	1196.6	1165.0	1155.7
15°	1802.6	1751.9	1643.5	1517.6	1383.3	1253.5	1131.2	1008.5	928.4	884.9	872.9
17.5°	1772.4	1706.6	1559.4	1402.9	1242.4	1057.4	907.1	793.3	738.6	714.6	712.8
20°	1742.6	1662.1	1476.3	1279.3	1079.6	872.4	738.1	684.8	665.2	656.8	656.3
22.5°	1715.9	1615.4	1388.7	1155.7	917.8	733.2	659.4	636.3	631.0	631.0	630.1
25°	1693.3	1568.7	1298.8	1024.5	771.5	652.8	618.5	608.7	611.0	615.0	615.4
27.5°	1683.9	1532.3	1212.1	889.8	670.5	606.1	590.5	589.2	595.4	601.6	602.5
30°	1693.7	1507.4	1123.2	760.8	610.1	577.6	570.5	573.2	580.7	586.9	586.9
32.5°	1723.9	1494.9	1032.5	666.5	574.9	557.6	555.4	558.0	563.8	567.4	567.8
35°	1775.1	1499.8	938.7	603.0	552.3	542.9	542.5	544.3	546.5	548.7	549.2
37.5°	1839.5	1521.6	838.2	566.0	537.6	532.3	531.4	530.9	531.4	531.4	531.8
40°	1902.7	1554.5	748.4	544.3	527.4	522.9	520.7	517.6	517.1	516.2	515.8
42.5°	1949.4	1579.9	676.8	528.7	518.0	512.7	510.0	505.1	504.7	504.2	503.8
45°	1984.5	1601.2	617.2	513.6	508.2	503.4	497.6	493.1	494.0	494.9	494.9
47.5°	2024.1	1619.9	573.6	499.3	496.2	491.3	484.2	481.1	484.2	487.3	487.3
50°	2072.1	1646.1	538.0	485.1	483.8	478.0	471.8	470.4	474.0	478.5	478.5
52.5°	2107.2	1668.8	512.7	470.9	470.9	463.3	458.0	457.6	461.6	466.0	466.4
55°	2173.0	1721.7	503.8	454.4	452.7	446.9	442.9	439.8	444.7	448.7	448.7
57.5°	2247.3	1792.0	506.0	430.9	428.6	426.9	423.8	420.2	421.5	426.0	426.4
60°	2089.9	1655.9	481.6	407.3	406.0	405.1	401.1	394.9	396.6	400.2	400.6
62.5°	1459.8	1100.5	389.5	378.0	382.4	382.0	376.6	369.5	370.0	374.8	374.8
65°	757.7	595.4	341.9	351.3	357.9	355.3	346.4	340.2	339.3	345.5	344.2
67.5°	326.8	325.0	311.3	323.3	330.4	324.6	315.3	305.0	305.9	308.1	306.4
70°	263.2	271.2	277.0	289.9	295.7	285.0	274.8	269.0	264.1	263.7	260.6
72.5°	210.3	221.4	234.3	247.7	249.5	238.8	225.9	220.5	213.0	212.5	209.4
75°	158.3	167.6	177.9	188.5	188.5	178.3	169.9	167.2	158.3	155.6	153.0
77.5°	108.1	113.8	121.8	124.5	127.2	123.2	114.7	110.3	100.0	97.4	93.8
80°	68.0	72.0	76.9	78.7	81.4	76.5	69.8	64.9	57.8	55.6	53.8
82.5°	40.9	43.6	46.7	47.6	49.8	46.2	40.0	36.5	32.5	30.7	29.3
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)