

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: P631100

Luminaire Tested: GWS-SA1F-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631100
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-SA1F-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 5285.5 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

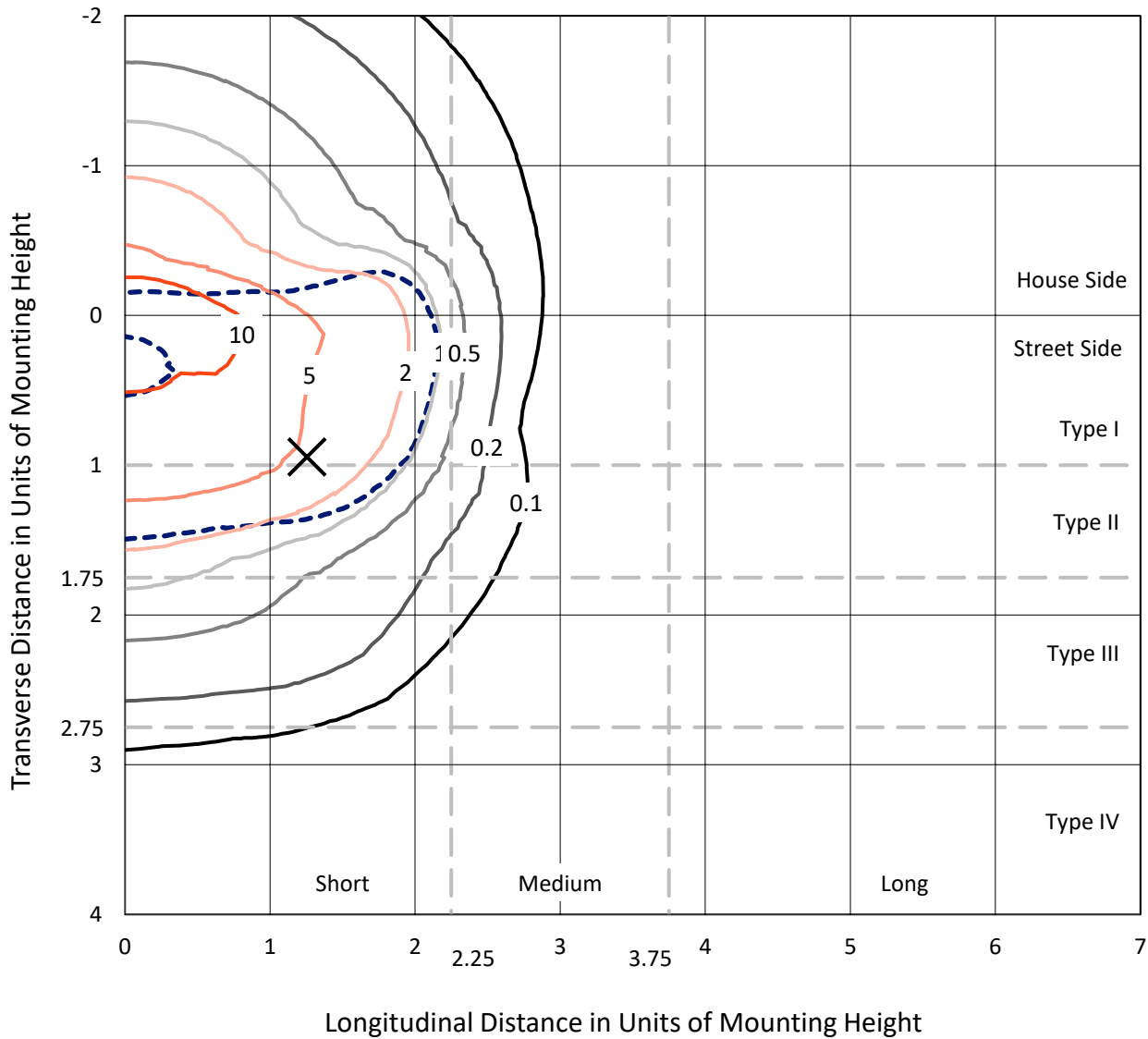
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

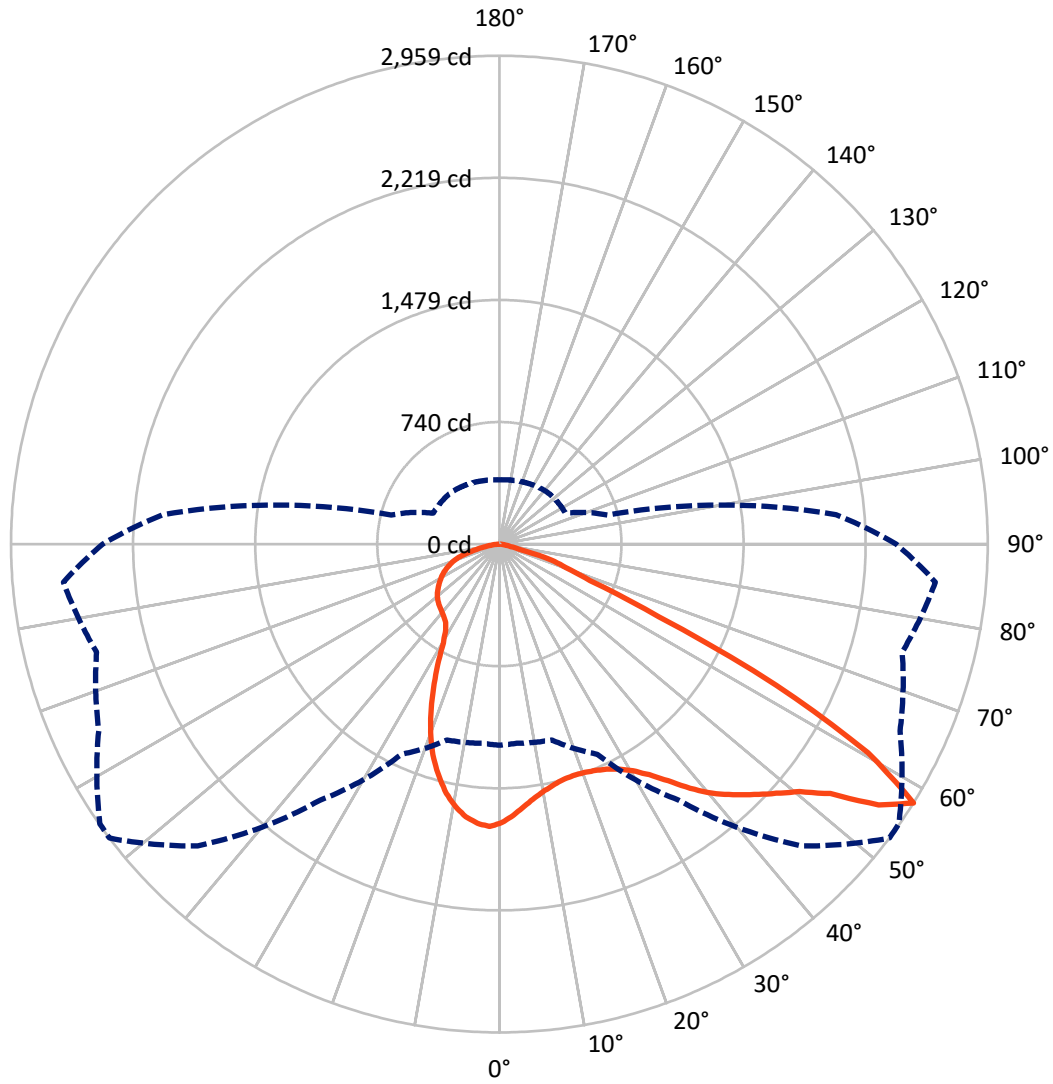
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.9 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
House Side	Lumens	1652.6	0.0	1652.6
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	3632.9	0.0	3632.9
	% Fixture	68.7	0.0	68.7
Total	Lumens	5285.5	0.0	5285.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	2.9
10°-20°	400.4	7.6
20°-30°	590.0	11.2
30°-40°	825.8	15.6
40°-50°	1085.6	20.5
50°-60°	1272.8	24.1
60°-70°	749.8	14.2
70°-80°	186.5	3.5
80°-90°	21.9	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°	5285.5	100.0
0°-180°	5285.5	100.0

Coefficient of Utilization



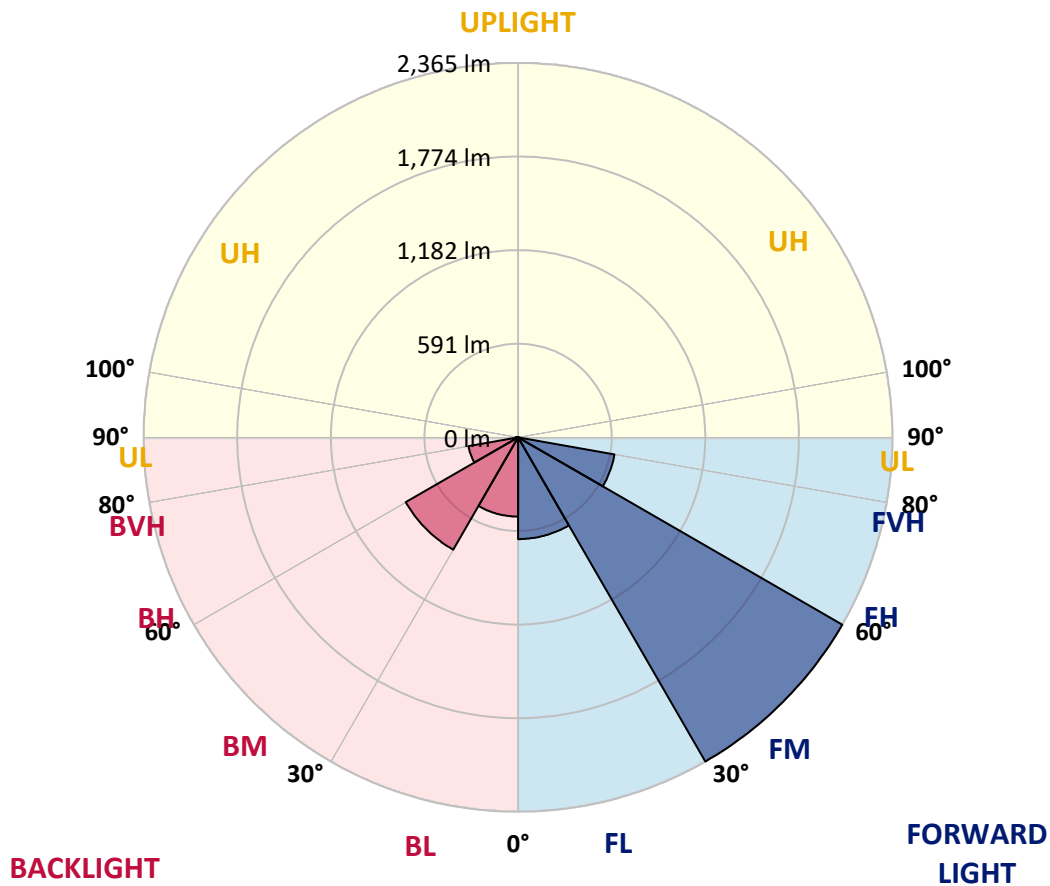
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	642.6	12.2			
FM (30°-60°)	2364.8	44.7			
FH (60°-80°)	618.2	11.7			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	500.4	9.5	B2/1000		
BM (30°-60°)	819.4	15.5	B1/1000		
BH (60°-80°)	318.2	6.0	B1/500		G1/500
BVH (80°-90°)	14.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8
2.5°	1590.8	1595.3	1596.2	1610.0	1610.8	1630.9	1644.2	1641.5	1655.3	1672.2	1685.6
5°	1514.8	1515.2	1519.6	1536.1	1545.0	1571.2	1593.5	1593.5	1620.2	1654.9	1684.7
7.5°	1452.0	1451.6	1455.6	1473.8	1488.5	1520.1	1550.3	1553.9	1591.3	1642.0	1690.5
10°	1393.7	1396.9	1401.3	1423.6	1442.2	1481.4	1517.4	1523.2	1570.4	1633.1	1698.5
12.5°	1356.4	1356.8	1363.5	1388.4	1412.4	1454.3	1492.1	1499.2	1553.5	1624.6	1704.3
15°	1332.4	1332.8	1339.9	1367.5	1395.5	1437.8	1476.5	1484.5	1543.7	1623.3	1715.4
17.5°	1321.7	1321.2	1327.9	1355.5	1386.2	1430.2	1471.6	1481.4	1548.1	1633.5	1735.0
20°	1321.7	1322.1	1325.7	1350.6	1381.7	1428.4	1476.5	1488.5	1565.5	1656.7	1765.2
22.5°	1340.4	1342.1	1343.9	1360.8	1385.3	1431.1	1489.4	1505.4	1602.8	1695.4	1804.8
25°	1376.8	1377.3	1379.1	1392.9	1404.0	1438.7	1510.7	1534.8	1661.1	1751.9	1854.6
27.5°	1425.8	1432.0	1433.8	1442.7	1442.7	1457.4	1544.1	1578.8	1739.9	1833.3	1918.2
30°	1494.3	1496.5	1499.6	1509.4	1498.7	1492.5	1593.0	1637.5	1831.0	1931.6	1994.8
32.5°	1554.3	1559.2	1576.1	1592.2	1573.0	1553.5	1665.1	1717.6	1918.7	2033.9	2076.2
35°	1605.5	1617.5	1650.0	1685.6	1672.2	1652.7	1760.8	1815.5	1990.8	2107.3	2148.2
37.5°	1667.3	1676.7	1721.2	1779.0	1791.0	1781.7	1877.3	1916.5	2038.8	2126.0	2187.4
40°	1730.1	1744.3	1801.7	1881.8	1927.6	1934.3	1985.0	2011.2	2055.3	2089.5	2179.8
42.5°	1794.1	1818.6	1897.3	1990.8	2072.2	2087.3	2075.7	2086.8	2049.9	2039.2	2144.7
45°	1872.4	1901.3	1990.3	2109.5	2216.7	2240.3	2164.7	2154.5	2049.0	2020.1	2122.9
47.5°	1965.0	1993.9	2078.8	2217.6	2354.6	2372.0	2255.9	2237.2	2080.2	2049.5	2152.2
50°	2046.8	2066.8	2142.9	2298.2	2483.2	2493.4	2356.4	2333.7	2157.6	2130.9	2243.9
52.5°	1963.6	1961.4	2041.5	2232.8	2549.9	2673.2	2511.2	2489.4	2307.0	2266.1	2385.8
55°	1666.0	1640.6	1712.3	1900.4	2363.5	2832.9	2788.8	2745.2	2506.3	2402.2	2518.8
57.5°	1218.0	1210.9	1228.3	1404.9	1893.3	2585.5	2958.8	2954.8	2678.5	2526.8	2651.4
60°	952.4	941.8	895.5	900.4	1290.5	2019.7	2567.7	2685.6	2785.3	2601.5	2743.9
62.5°	845.7	837.7	813.7	747.4	768.7	1354.2	1882.2	1990.3	2433.8	2297.7	2356.9
65°	700.2	698.0	718.0	715.3	644.2	747.8	1062.3	1171.3	1530.3	1549.5	1530.3
67.5°	508.9	504.9	555.6	655.7	620.1	564.5	592.1	629.9	784.7	704.7	634.4
70°	331.0	325.2	354.6	473.8	555.2	492.0	426.6	420.4	431.5	268.3	290.0
72.5°	222.0	215.3	214.9	260.7	335.4	331.4	330.5	327.4	292.3	211.8	234.9
75°	123.7	118.3	117.0	112.5	120.1	122.3	130.3	134.8	145.9	160.6	177.9
77.5°	20.9	20.5	25.8	32.9	45.4	58.3	72.1	76.1	93.9	111.2	122.3
80°	11.6	12.0	15.6	19.1	25.4	34.7	44.5	47.2	57.8	67.2	76.1
82.5°	6.2	6.2	8.0	10.2	13.8	18.2	24.0	26.2	33.4	39.1	45.4
85°	2.2	2.2	3.1	4.0	5.8	7.6	9.3	10.7	14.7	20.0	22.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.8	1.8	2.2	4.0	5.8
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°	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8	1687.8
2.5°	1696.7	1684.7	1701.1	1708.7	1711.4	1713.2	1701.6	1693.6	1690.9	1682.5	1677.6
5°	1702.9	1694.9	1710.5	1710.5	1699.4	1687.8	1664.2	1647.8	1636.2	1622.4	1620.2
7.5°	1713.6	1707.8	1716.3	1698.9	1670.9	1639.8	1598.8	1566.8	1541.0	1524.1	1524.5
10°	1727.8	1720.7	1714.0	1675.3	1624.2	1566.8	1504.1	1457.4	1414.7	1395.1	1384.4
12.5°	1737.2	1727.0	1698.9	1634.9	1559.7	1482.7	1394.2	1324.8	1263.0	1234.9	1232.7
15°	1748.7	1730.1	1674.0	1582.4	1477.8	1372.8	1259.0	1162.4	1078.8	1035.2	1033.0
17.5°	1763.9	1733.2	1644.2	1522.3	1391.5	1236.7	1093.5	972.0	883.0	849.2	855.0
20°	1785.2	1736.7	1610.4	1455.6	1284.3	1081.9	903.5	791.9	757.6	755.4	750.9
22.5°	1809.3	1739.0	1573.0	1380.8	1154.4	916.9	746.5	698.9	698.4	709.6	712.2
25°	1836.4	1740.7	1530.8	1293.7	1013.8	752.3	660.2	645.9	657.1	678.0	680.6
27.5°	1871.1	1744.3	1479.6	1198.0	864.4	649.9	612.6	609.0	622.4	641.9	641.0
30°	1922.2	1757.2	1425.3	1088.1	710.9	601.5	583.7	584.1	589.4	598.8	600.1
32.5°	1974.3	1777.2	1372.4	964.5	622.8	573.9	565.9	565.0	565.0	569.0	569.9
35°	2023.7	1799.9	1315.0	835.4	580.1	557.9	552.5	549.8	548.5	547.6	546.3
37.5°	2051.3	1811.0	1259.0	708.2	557.4	547.2	541.8	538.3	533.4	529.8	528.9
40°	2039.2	1798.1	1194.0	613.0	543.6	536.9	530.7	525.8	519.2	516.0	514.3
42.5°	1999.2	1758.1	1123.3	568.1	532.5	525.8	518.3	510.3	505.8	503.1	502.7
45°	1956.9	1709.6	1037.9	541.8	521.8	513.8	504.9	496.0	491.1	489.8	489.3
47.5°	1955.6	1685.6	947.1	520.9	508.9	500.9	489.8	480.9	475.6	473.8	472.0
50°	2014.3	1710.0	844.8	502.7	495.6	487.1	474.7	464.9	458.2	456.0	455.5
52.5°	2136.2	1802.1	753.1	484.5	477.8	468.0	457.8	448.0	440.0	436.0	435.5
55°	2267.9	1919.1	696.2	465.8	456.9	448.4	439.1	428.4	419.5	413.3	412.4
57.5°	2404.0	2046.8	678.9	442.2	435.5	429.7	418.6	407.0	396.8	391.0	389.7
60°	2516.1	2156.7	711.3	417.3	413.7	406.2	395.9	384.8	377.7	373.2	372.3
62.5°	2106.4	1755.9	574.3	390.1	390.1	382.1	370.6	362.6	357.7	354.6	353.7
65°	1336.8	1087.2	391.9	363.0	362.6	351.9	342.1	336.8	334.5	329.6	328.8
67.5°	582.3	496.9	335.0	335.4	333.6	322.1	312.3	308.3	303.8	298.5	298.1
70°	302.1	307.8	299.8	304.7	301.6	287.8	278.5	272.3	262.9	257.6	258.0
72.5°	243.8	250.0	258.9	266.5	259.8	248.7	234.0	226.4	214.4	208.6	209.1
75°	186.0	192.6	201.1	209.1	203.7	190.0	180.6	173.1	159.3	152.6	153.9
77.5°	128.1	131.7	141.9	141.5	139.7	135.7	121.9	113.0	98.8	90.8	91.6
80°	79.6	81.9	86.7	89.0	88.1	82.7	71.6	64.9	56.5	51.6	52.0
82.5°	48.0	49.4	53.8	54.3	53.8	49.8	41.4	36.5	31.1	28.5	28.5
85°	24.5	25.4	28.0	28.0	25.4	21.4	19.1	16.9	13.8	12.5	12.5
87.5°	6.7	6.7	8.5	7.1	5.8	5.3	2.7	2.2	0.9	0.4	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)