

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: P632090

Luminaire Tested: GWS-SA2C-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632090
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-SA2C-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5806.5 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

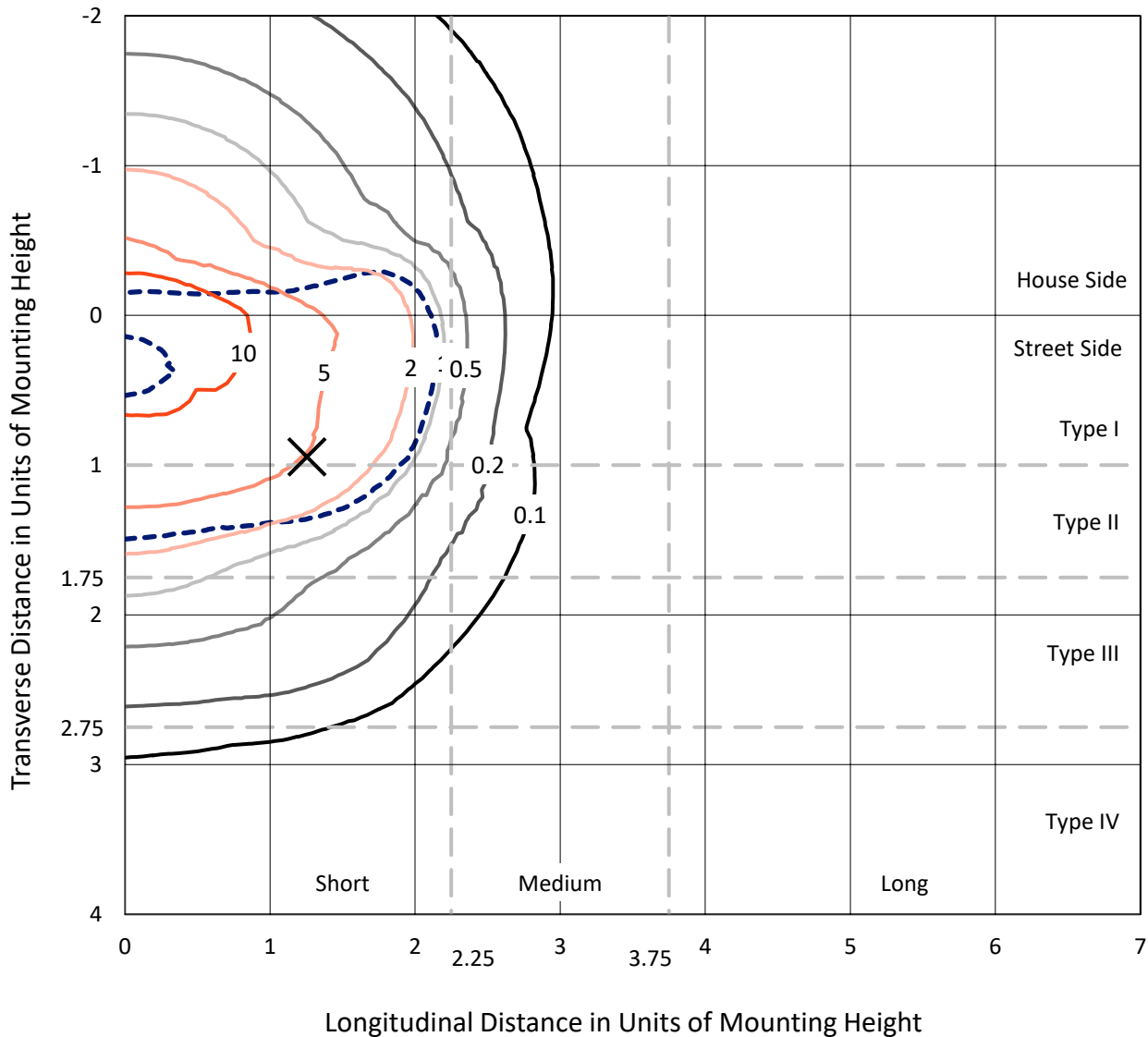
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632090
 CATALOG NUMBER: GWS-SA2C-722-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

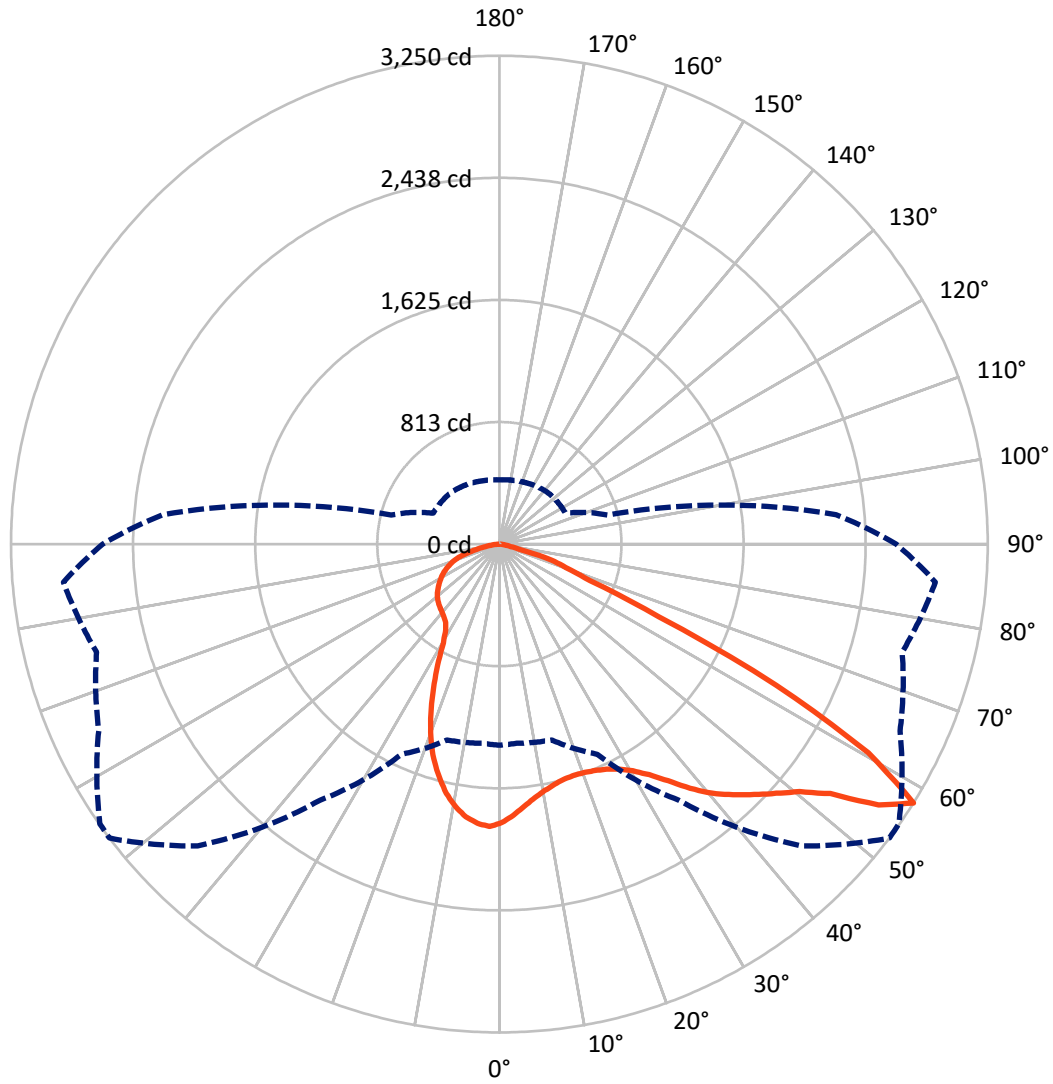
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type II - Short - N/A

REPORT NUMBER: P632090
CATALOG NUMBER: GWS-SA2C-722-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632090

CATALOG NUMBER: GWS-SA2C-722-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1815.5	0.0	1815.5
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	3991.0	0.0	3991.0
	% Fixture	68.7	0.0	68.7
Total	Lumens	5806.5	0.0	5806.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	2.9
10°-20°	439.9	7.6
20°-30°	648.1	11.2
30°-40°	907.2	15.6
40°-50°	1192.6	20.5
50°-60°	1398.3	24.1
60°-70°	823.8	14.2
70°-80°	204.9	3.5
80°-90°	24.0	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°	5806.5	100.0
0°-180°	5806.5	100.0

Coefficient of Utilization



REPORT NUMBER: P632090

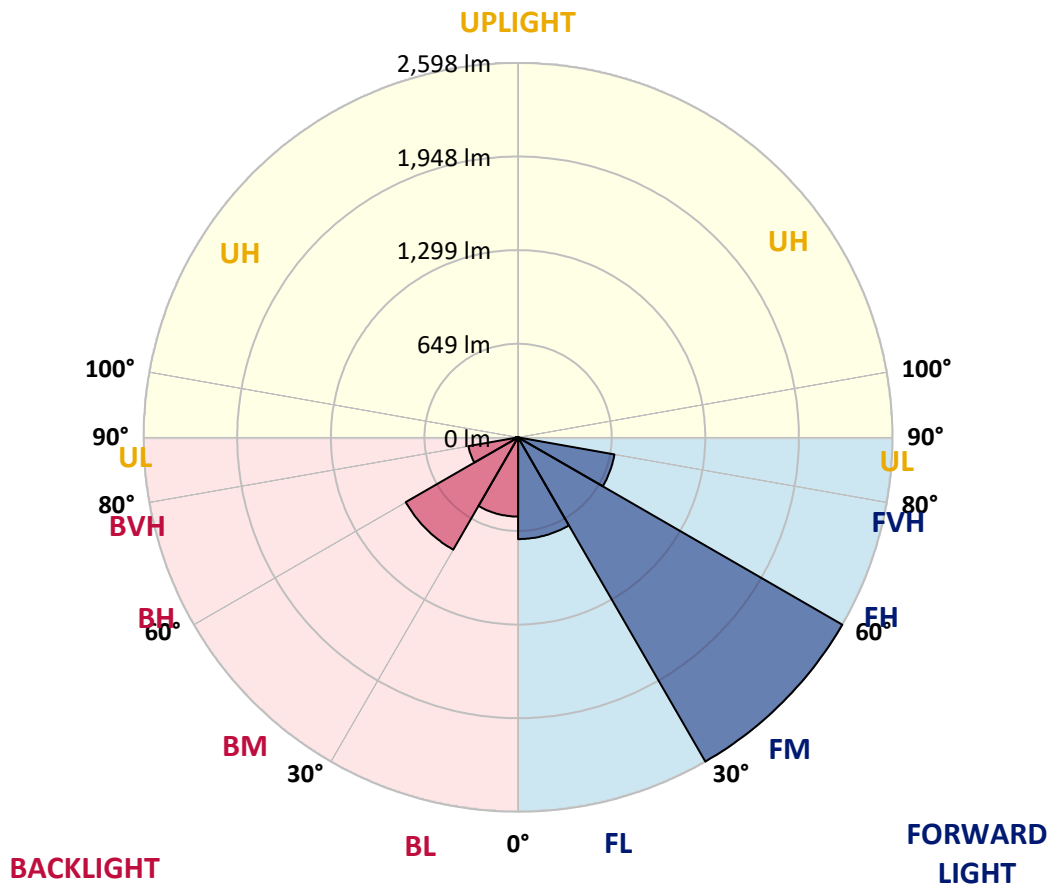
CATALOG NUMBER: GWS-SA2C-722-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	706.0	12.2			
FM (30°-60°)	2597.9	44.7			
FH (60°-80°)	679.1	11.7			G1/1800
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	549.7	9.5	B2/1000		
BM (30°-60°)	900.2	15.5	B1/1000		
BH (60°-80°)	349.5	6.0	B1/500		G1/500
BVH (80°-90°)	16.0	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





REPORT NUMBER: P632090

CATALOG NUMBER: GWS-SA2C-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2
2.5°	1747.6	1752.5	1753.5	1768.6	1769.6	1791.6	1806.3	1803.3	1818.5	1837.1	1851.7
5°	1664.1	1664.6	1669.4	1687.5	1697.3	1726.1	1750.6	1750.6	1779.9	1818.0	1850.8
7.5°	1595.2	1594.7	1599.1	1619.1	1635.2	1669.9	1703.2	1707.1	1748.1	1803.8	1857.1
10°	1531.1	1534.6	1539.4	1563.9	1584.4	1627.4	1667.0	1673.3	1725.2	1794.1	1865.9
12.5°	1490.1	1490.6	1497.9	1525.3	1551.7	1597.6	1639.1	1647.0	1706.6	1784.8	1872.3
15°	1463.7	1464.2	1472.0	1502.3	1533.1	1579.5	1622.0	1630.8	1695.8	1783.3	1884.5
17.5°	1452.0	1451.5	1458.8	1489.1	1522.8	1571.2	1616.7	1627.4	1700.7	1794.5	1906.0
20°	1452.0	1452.5	1456.4	1483.7	1517.9	1569.3	1622.0	1635.2	1719.8	1820.0	1939.2
22.5°	1472.5	1474.4	1476.4	1495.0	1521.8	1572.2	1636.2	1653.8	1760.8	1862.5	1982.7
25°	1512.6	1513.1	1515.0	1530.2	1542.4	1580.5	1659.7	1686.1	1824.8	1924.5	2037.4
27.5°	1566.3	1573.2	1575.1	1584.9	1584.9	1601.0	1696.3	1734.4	1911.4	2014.0	2107.3
30°	1641.6	1644.0	1647.4	1658.2	1646.5	1639.6	1750.1	1798.9	2011.5	2122.0	2191.4
32.5°	1707.6	1712.9	1731.5	1749.1	1728.1	1706.6	1829.2	1886.9	2107.8	2234.4	2280.8
35°	1763.8	1777.0	1812.6	1851.7	1837.1	1815.6	1934.3	1994.4	2187.0	2315.0	2360.0
37.5°	1831.7	1842.0	1890.8	1954.4	1967.6	1957.3	2062.4	2105.4	2239.8	2335.6	2403.0
40°	1900.6	1916.2	1979.3	2067.3	2117.6	2124.9	2180.6	2209.5	2257.8	2295.5	2394.7
42.5°	1971.0	1997.9	2084.4	2187.0	2276.4	2293.0	2280.3	2292.5	2252.0	2240.3	2356.1
45°	2057.0	2088.8	2186.5	2317.5	2435.3	2461.2	2378.1	2366.8	2251.0	2219.2	2332.1
47.5°	2158.6	2190.4	2283.7	2436.2	2586.8	2605.8	2478.3	2457.7	2285.2	2251.5	2364.4
50°	2248.6	2270.6	2354.1	2524.7	2728.0	2739.2	2588.7	2563.8	2370.3	2340.9	2465.1
52.5°	2157.2	2154.7	2242.7	2452.8	2801.3	2936.7	2758.8	2734.8	2534.5	2489.5	2621.0
55°	1830.2	1802.4	1881.1	2087.8	2596.5	3112.1	3063.7	3015.8	2753.4	2639.0	2767.1
57.5°	1338.1	1330.3	1349.3	1543.4	2080.0	2840.4	3250.4	3246.0	2942.5	2775.9	2912.7
60°	1046.3	1034.6	983.8	989.2	1417.8	2218.8	2820.8	2950.4	3059.8	2858.0	3014.4
62.5°	929.0	920.2	893.9	821.0	844.5	1487.6	2067.7	2186.5	2673.7	2524.2	2589.2
65°	769.2	766.8	788.8	785.8	707.7	821.5	1167.0	1286.8	1681.2	1702.2	1681.2
67.5°	559.1	554.7	610.4	720.4	681.3	620.2	650.5	692.0	862.1	774.1	696.9
70°	363.6	357.2	389.5	520.5	609.9	540.5	468.7	461.8	474.1	294.7	318.6
72.5°	243.9	236.5	236.0	286.4	368.5	364.1	363.1	359.7	321.1	232.6	258.0
75°	135.9	130.0	128.5	123.6	132.0	134.4	143.2	148.1	160.3	176.4	195.5
77.5°	23.0	22.5	28.3	36.2	49.8	64.0	79.2	83.6	103.1	122.2	134.4
80°	12.7	13.2	17.1	21.0	27.9	38.1	48.9	51.8	63.5	73.8	83.6
82.5°	6.8	6.8	8.8	11.2	15.2	20.0	26.4	28.8	36.7	43.0	49.8
85°	2.4	2.4	3.4	4.4	6.4	8.3	10.3	11.7	16.1	22.0	24.9
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.0	2.4	4.4	6.4
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: P632090

CATALOG NUMBER: GWS-SA2C-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2
2.5°	1863.9	1850.8	1868.8	1877.1	1880.1	1882.0	1869.3	1860.5	1857.6	1848.3	1842.9
5°	1870.8	1862.0	1879.1	1879.1	1866.9	1854.2	1828.3	1810.2	1797.5	1782.3	1779.9
7.5°	1882.5	1876.2	1885.4	1866.4	1835.6	1801.4	1756.4	1721.2	1692.9	1674.3	1674.8
10°	1898.2	1890.3	1883.0	1840.5	1784.3	1721.2	1652.3	1601.0	1554.1	1532.6	1520.9
12.5°	1908.4	1897.2	1866.4	1796.0	1713.4	1628.9	1531.6	1455.4	1387.5	1356.7	1354.2
15°	1921.1	1900.6	1839.0	1738.3	1623.5	1508.2	1383.1	1277.0	1185.1	1137.2	1134.8
17.5°	1937.7	1904.0	1806.3	1672.4	1528.7	1358.6	1201.3	1067.8	970.1	933.0	939.3
20°	1961.2	1907.9	1769.1	1599.1	1410.9	1188.5	992.6	869.9	832.3	829.8	824.9
22.5°	1987.6	1910.4	1728.1	1517.0	1268.2	1007.2	820.1	767.8	767.3	779.5	782.4
25°	2017.4	1912.3	1681.7	1421.2	1113.8	826.4	725.2	709.6	721.8	744.8	747.7
27.5°	2055.5	1916.2	1625.5	1316.1	949.6	714.0	673.0	669.0	683.7	705.2	704.2
30°	2111.7	1930.4	1565.8	1195.4	781.0	660.7	641.2	641.7	647.5	657.8	659.3
32.5°	2168.9	1952.4	1507.7	1059.5	684.2	630.4	621.6	620.7	620.7	625.1	626.0
35°	2223.1	1977.3	1444.6	917.8	637.3	612.8	607.0	604.0	602.6	601.6	600.1
37.5°	2253.4	1989.5	1383.1	778.0	612.4	601.1	595.3	591.3	586.0	582.1	581.1
40°	2240.3	1975.4	1311.7	673.4	597.2	589.9	583.0	577.7	570.3	566.9	565.0
42.5°	2196.3	1931.4	1234.0	624.1	585.0	577.7	569.3	560.6	555.7	552.7	552.2
45°	2149.8	1878.1	1140.2	595.3	573.3	564.5	554.7	544.9	539.5	538.1	537.6
47.5°	2148.4	1851.7	1040.5	572.3	559.1	550.3	538.1	528.3	522.4	520.5	518.5
50°	2212.9	1878.6	928.1	552.2	544.4	535.1	521.5	510.7	503.4	500.9	500.4
52.5°	2346.8	1979.8	827.4	532.2	524.9	514.1	502.9	492.1	483.3	478.9	478.4
55°	2491.5	2108.3	764.8	511.7	501.9	492.6	482.4	470.6	460.9	454.0	453.0
57.5°	2641.0	2248.6	745.8	485.8	478.4	472.1	459.9	447.2	435.9	429.6	428.1
60°	2764.2	2369.3	781.5	458.4	454.5	446.2	435.0	422.7	414.9	410.0	409.1
62.5°	2314.1	1928.9	630.9	428.6	428.6	419.8	407.1	398.3	392.9	389.5	388.5
65°	1468.6	1194.4	430.6	398.8	398.3	386.6	375.8	370.0	367.5	362.1	361.2
67.5°	639.7	545.9	368.0	368.5	366.5	353.8	343.1	338.7	333.8	327.9	327.4
70°	331.8	338.2	329.4	334.8	331.3	316.2	305.9	299.1	288.8	283.0	283.5
72.5°	267.8	274.7	284.4	292.7	285.4	273.2	257.1	248.8	235.6	229.2	229.7
75°	204.3	211.6	220.9	229.7	223.8	208.7	198.4	190.1	175.0	167.6	169.1
77.5°	140.7	144.7	155.9	155.4	153.5	149.1	133.9	124.1	108.5	99.7	100.7
80°	87.5	89.9	95.3	97.7	96.8	90.9	78.7	71.4	62.1	56.7	57.2
82.5°	52.8	54.2	59.1	59.6	59.1	54.7	45.5	40.1	34.2	31.3	31.3
85°	26.9	27.9	30.8	30.8	27.9	23.5	21.0	18.6	15.2	13.7	13.7
87.5°	7.3	7.3	9.3	7.8	6.4	5.9	2.9	2.4	1.0	0.5	0.5
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)