

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: P631760

Luminaire Tested: GWS-SA2B-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631760
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-SA2B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5797.3 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

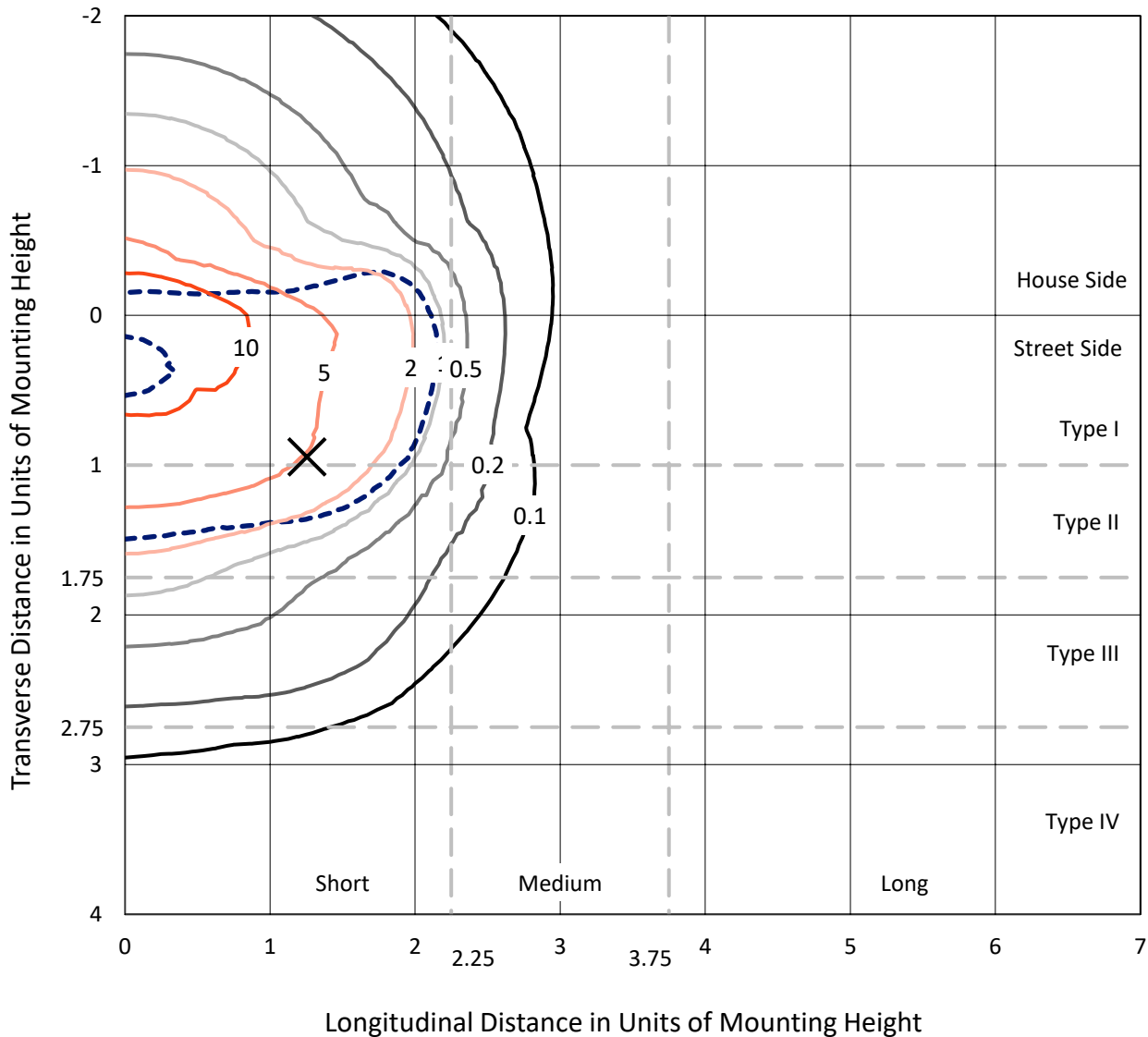
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

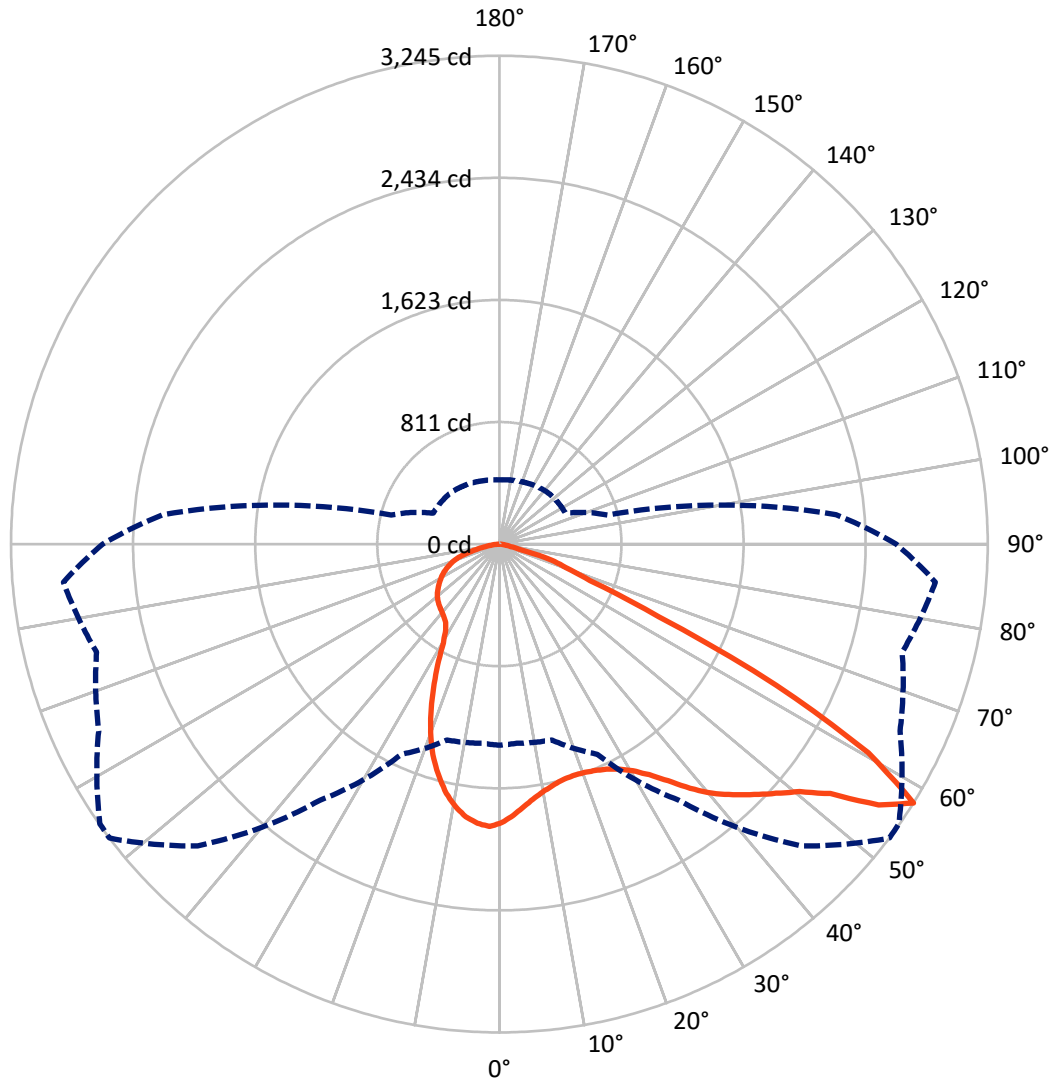
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 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	1812.6	0.0	1812.6
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	3984.7	0.0	3984.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	5797.3	0.0	5797.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	2.9
10°-20°	439.2	7.6
20°-30°	647.1	11.2
30°-40°	905.8	15.6
40°-50°	1190.7	20.5
50°-60°	1396.1	24.1
60°-70°	822.5	14.2
70°-80°	204.6	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°	5797.3	100.0
0°-180°	5797.3	100.0

Coefficient of Utilization



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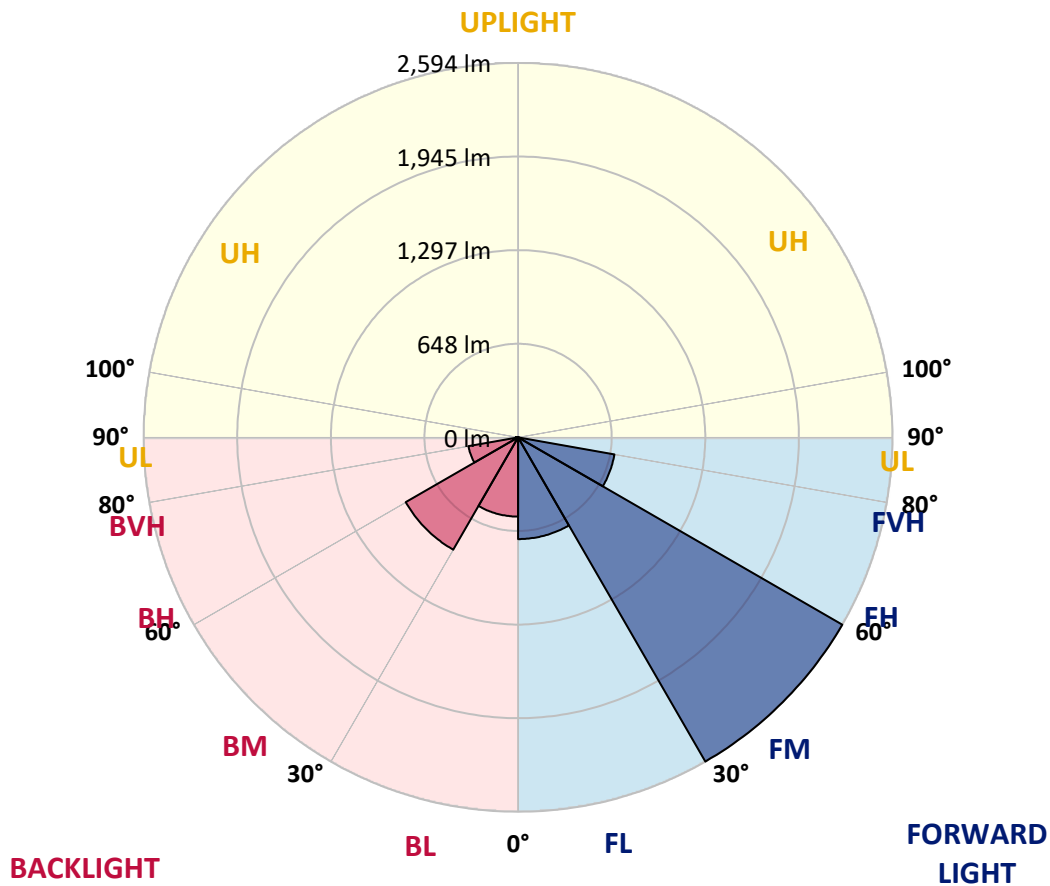
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	704.8	12.2			
FM (30°-60°)	2593.8	44.7			
FH (60°-80°)	678.1	11.7			G1/1800
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	548.9	9.5	B2/1000		
BM (30°-60°)	898.8	15.5	B1/1000		
BH (60°-80°)	349.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2
2.5°	1744.9	1749.7	1750.7	1765.8	1766.8	1788.8	1803.4	1800.5	1815.6	1834.2	1848.8
5°	1661.4	1661.9	1666.8	1684.8	1694.6	1723.4	1747.8	1747.8	1777.1	1815.1	1847.8
7.5°	1592.6	1592.1	1596.5	1616.5	1632.6	1667.3	1700.5	1704.4	1745.4	1801.0	1854.2
10°	1528.7	1532.1	1537.0	1561.4	1581.9	1624.8	1664.4	1670.7	1722.4	1791.2	1862.9
12.5°	1487.7	1488.2	1495.5	1522.9	1549.2	1595.1	1636.5	1644.3	1703.9	1781.9	1869.3
15°	1461.4	1461.9	1469.7	1499.9	1530.7	1577.0	1619.5	1628.2	1693.1	1780.5	1881.5
17.5°	1449.7	1449.2	1456.5	1486.7	1520.4	1568.7	1614.1	1624.8	1698.0	1791.7	1903.0
20°	1449.7	1450.1	1454.1	1481.4	1515.5	1566.8	1619.5	1632.6	1717.1	1817.1	1936.1
22.5°	1470.2	1472.1	1474.1	1492.6	1519.4	1569.7	1633.6	1651.2	1758.0	1859.5	1979.6
25°	1510.2	1510.7	1512.6	1527.7	1539.9	1578.0	1657.0	1683.4	1822.0	1921.5	2034.2
27.5°	1563.8	1570.7	1572.6	1582.4	1582.4	1598.5	1693.6	1731.7	1908.3	2010.8	2104.0
30°	1639.0	1641.4	1644.8	1655.6	1643.9	1637.0	1747.3	1796.1	2008.4	2118.6	2187.9
32.5°	1704.9	1710.2	1728.8	1746.3	1725.3	1703.9	1826.3	1883.9	2104.5	2230.8	2277.2
35°	1761.0	1774.1	1809.8	1848.8	1834.2	1812.7	1931.3	1991.3	2183.5	2311.4	2356.2
37.5°	1828.8	1839.0	1887.8	1951.3	1964.4	1954.2	2059.1	2102.0	2236.2	2331.9	2399.2
40°	1897.6	1913.2	1976.1	2064.0	2114.2	2121.6	2177.2	2206.0	2254.3	2291.8	2390.9
42.5°	1967.9	1994.7	2081.1	2183.5	2272.8	2289.4	2276.7	2288.9	2248.4	2236.7	2352.3
45°	2053.7	2085.4	2183.0	2313.8	2431.4	2457.3	2374.3	2363.1	2247.4	2215.7	2328.4
47.5°	2155.2	2186.9	2280.1	2432.4	2582.7	2601.7	2474.3	2453.8	2281.6	2247.9	2360.6
50°	2245.0	2267.0	2350.4	2520.7	2723.7	2734.9	2584.6	2559.7	2366.5	2337.2	2461.2
52.5°	2153.8	2151.3	2239.1	2449.0	2796.9	2932.0	2754.4	2730.5	2530.4	2485.6	2616.8
55°	1827.3	1799.5	1878.1	2084.5	2592.4	3107.2	3058.9	3011.1	2749.0	2634.9	2762.7
57.5°	1336.0	1328.2	1347.2	1540.9	2076.7	2835.9	3245.3	3240.9	2937.9	2771.5	2908.1
60°	1044.7	1033.0	982.2	987.6	1415.5	2215.2	2816.4	2945.7	3055.0	2853.5	3009.6
62.5°	927.6	918.8	892.4	819.7	843.2	1485.3	2064.5	2183.0	2669.5	2520.2	2585.1
65°	768.0	765.6	787.5	784.6	706.5	820.2	1165.2	1284.7	1678.5	1699.5	1678.5
67.5°	558.2	553.8	609.4	719.2	680.2	619.2	649.4	690.9	860.7	772.9	695.8
70°	363.0	356.7	388.9	519.7	608.9	539.7	467.9	461.1	473.3	294.2	318.1
72.5°	243.5	236.2	235.7	285.9	367.9	363.5	362.5	359.1	320.6	232.3	257.6
75°	135.6	129.8	128.3	123.4	131.7	134.2	143.0	147.8	160.0	176.1	195.2
77.5°	22.9	22.4	28.3	36.1	49.8	63.9	79.0	83.4	103.0	122.0	134.2
80°	12.7	13.2	17.1	21.0	27.8	38.1	48.8	51.7	63.4	73.7	83.4
82.5°	6.8	6.8	8.8	11.2	15.1	20.0	26.3	28.8	36.6	42.9	49.8
85°	2.4	2.4	3.4	4.4	6.3	8.3	10.2	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	6.3
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°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2
2.5°	1861.0	1847.8	1865.9	1874.2	1877.1	1879.0	1866.4	1857.6	1854.7	1845.4	1840.0
5°	1867.8	1859.0	1876.1	1876.1	1863.9	1851.2	1825.4	1807.3	1794.6	1779.5	1777.1
7.5°	1879.5	1873.2	1882.5	1863.4	1832.7	1798.5	1753.6	1718.5	1690.2	1671.7	1672.2
10°	1895.1	1887.3	1880.0	1837.6	1781.5	1718.5	1649.7	1598.5	1551.6	1530.2	1518.5
12.5°	1905.4	1894.2	1863.4	1793.2	1710.7	1626.3	1529.2	1453.1	1385.3	1354.5	1352.1
15°	1918.1	1897.6	1836.1	1735.6	1620.9	1505.8	1380.9	1275.0	1183.2	1135.4	1133.0
17.5°	1934.7	1901.0	1803.4	1669.7	1526.3	1356.5	1199.4	1066.1	968.6	931.5	937.8
20°	1958.1	1904.9	1766.3	1596.5	1408.7	1186.7	991.0	868.5	831.0	828.5	823.6
22.5°	1984.4	1907.3	1725.3	1514.6	1266.2	1005.6	818.8	766.5	766.1	778.3	781.2
25°	2014.2	1909.3	1679.0	1418.9	1112.0	825.1	724.1	708.5	720.7	743.6	746.5
27.5°	2052.3	1913.2	1622.9	1314.0	948.1	712.9	671.9	668.0	682.6	704.1	703.1
30°	2108.4	1927.4	1563.4	1193.5	779.7	659.7	640.2	640.7	646.5	656.8	658.2
32.5°	2165.5	1949.3	1505.3	1057.8	683.1	629.4	620.7	619.7	619.7	624.1	625.0
35°	2219.6	1974.2	1442.3	916.3	636.3	611.9	606.0	603.1	601.6	600.7	599.2
37.5°	2249.9	1986.4	1380.9	776.8	611.4	600.2	594.3	590.4	585.0	581.1	580.2
40°	2236.7	1972.2	1309.6	672.4	596.3	588.9	582.1	576.7	569.4	566.0	564.1
42.5°	2192.8	1928.3	1232.0	623.1	584.1	576.7	568.4	559.7	554.8	551.9	551.4
45°	2146.4	1875.1	1138.4	594.3	572.4	563.6	553.8	544.1	538.7	537.2	536.7
47.5°	2145.0	1848.8	1038.8	571.4	558.2	549.4	537.2	527.5	521.6	519.7	517.7
50°	2209.4	1875.6	926.6	551.4	543.6	534.3	520.6	509.9	502.6	500.1	499.6
52.5°	2343.1	1976.6	826.1	531.4	524.0	513.3	502.1	491.4	482.6	478.2	477.7
55°	2487.5	2105.0	763.6	510.9	501.1	491.8	481.6	469.9	460.1	453.3	452.3
57.5°	2636.8	2245.0	744.6	485.0	477.7	471.3	459.1	446.5	435.2	428.9	427.4
60°	2759.8	2365.5	780.2	457.7	453.8	445.5	434.3	422.1	414.3	409.4	408.4
62.5°	2310.4	1925.9	629.9	427.9	427.9	419.1	406.5	397.7	392.3	388.9	387.9
65°	1466.3	1192.5	429.9	398.2	397.7	386.0	375.2	369.4	366.9	361.6	360.6
67.5°	638.7	545.0	367.4	367.9	366.0	353.3	342.5	338.1	333.3	327.4	326.9
70°	331.3	337.7	328.9	334.2	330.8	315.7	305.4	298.6	288.4	282.5	283.0
72.5°	267.4	274.2	284.0	292.3	285.0	272.8	256.7	248.4	235.2	228.8	229.3
75°	204.0	211.3	220.5	229.3	223.5	208.3	198.1	189.8	174.7	167.4	168.8
77.5°	140.5	144.4	155.7	155.2	153.2	148.8	133.7	123.9	108.3	99.5	100.5
80°	87.3	89.8	95.1	97.6	96.6	90.8	78.6	71.2	62.0	56.6	57.1
82.5°	52.7	54.2	59.0	59.5	59.0	54.6	45.4	40.0	34.2	31.2	31.2
85°	26.8	27.8	30.7	30.7	27.8	23.4	21.0	18.5	15.1	13.7	13.7
87.5°	7.3	7.3	9.3	7.8	6.3	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)