

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: P630279

Luminaire Tested: GWS-SA1D-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630279
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5008.5 lumens
Efficiency: N/A
Efficacy: 113.1 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

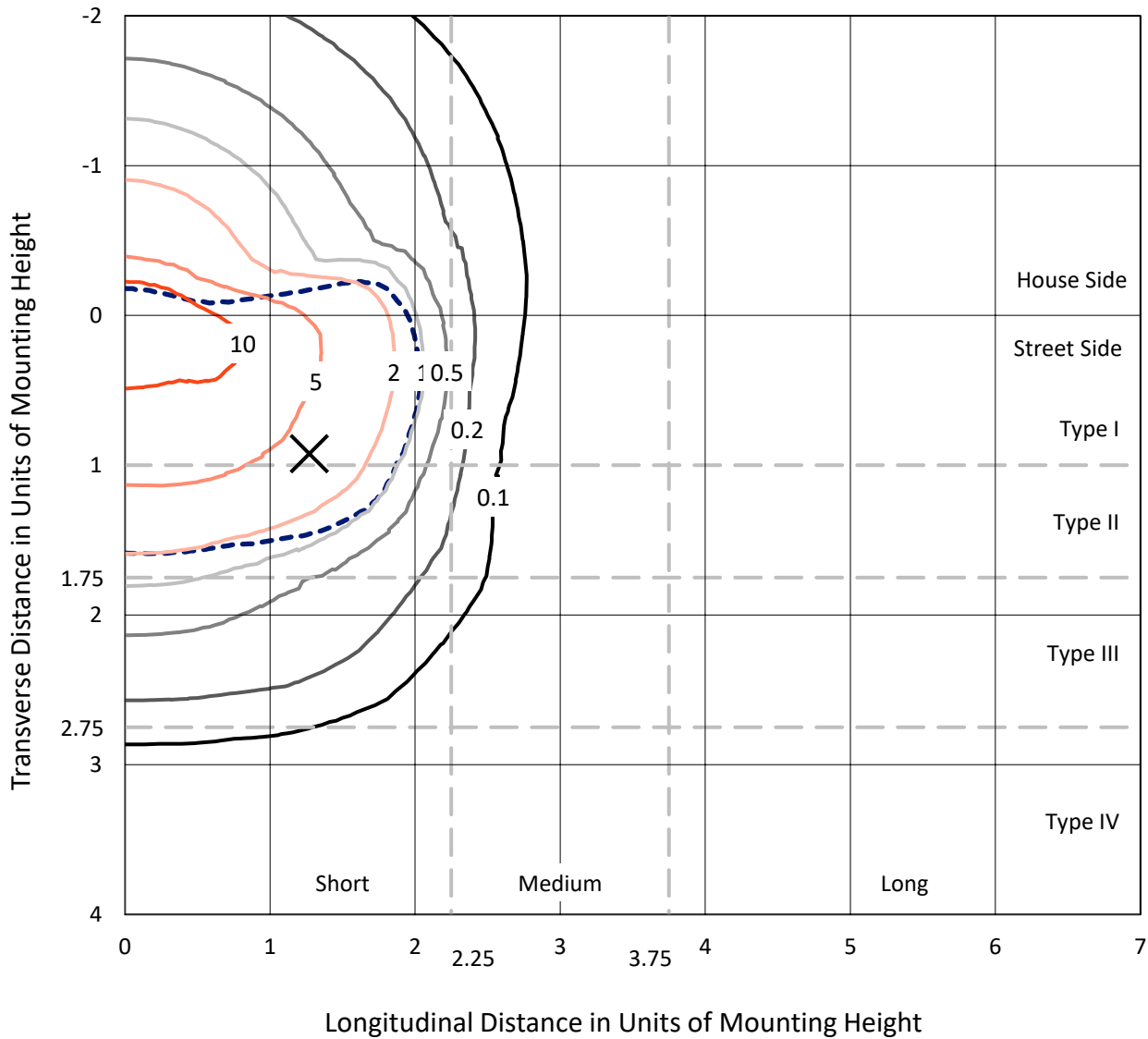
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

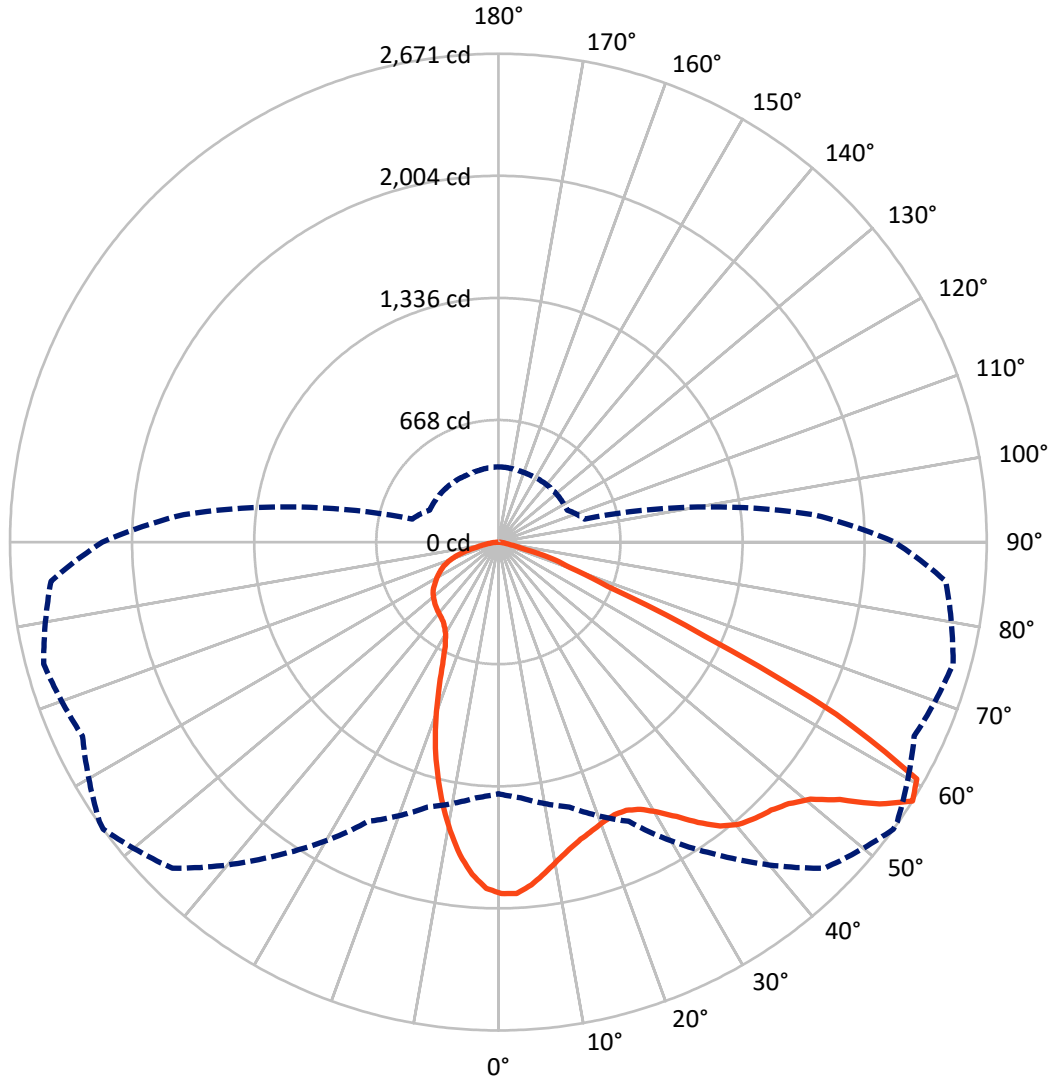
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.2 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	1456.0	0.0	1456.0
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	3552.5	0.0	3552.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	5008.5	0.0	5008.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.0	3.4
10°-20°	403.3	8.1
20°-30°	558.1	11.1
30°-40°	775.5	15.5
40°-50°	1024.2	20.4
50°-60°	1217.1	24.3
60°-70°	674.3	13.5
70°-80°	167.9	3.4
80°-90°	19.1	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°	5008.5	100.0
0°-180°	5008.5	100.0

Coefficient of Utilization



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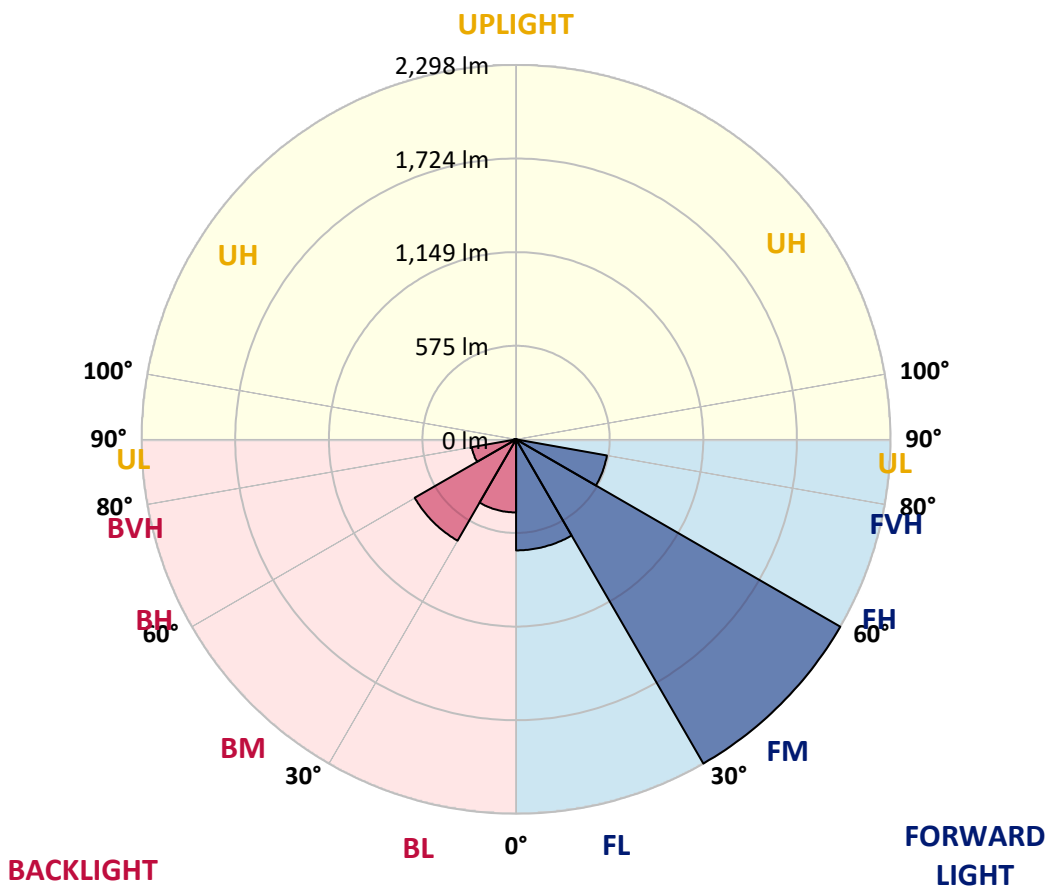
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	681.7	13.6			
FM (30°-60°)	2298.5	45.9			
FH (60°-80°)	566.3	11.3			G0/660
FVH (80°-90°)	6.0	0.1			G0/10
BL (0°-30°)	448.7	9.0	B1/500		
BM (30°-60°)	718.3	14.3	B1/1000		
BH (60°-80°)	275.9	5.5	B1/500		G1/500
BVH (80°-90°)	13.1	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°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1886.9	1890.7	1893.3	1902.3	1910.0	1916.9	1924.2	1924.2	1923.7	1922.4	1919.9
5°	1812.3	1816.6	1822.6	1835.0	1851.7	1863.7	1883.4	1885.1	1893.7	1897.2	1895.4
7.5°	1725.7	1726.9	1734.7	1751.0	1777.5	1799.0	1827.3	1830.7	1851.3	1863.3	1861.1
10°	1630.9	1626.6	1640.3	1664.3	1699.1	1735.1	1771.5	1774.5	1807.5	1830.3	1828.6
12.5°	1544.3	1544.7	1558.5	1587.6	1630.9	1675.5	1724.4	1731.2	1772.0	1801.1	1798.1
15°	1471.8	1473.6	1490.3	1523.3	1572.6	1625.8	1686.6	1693.1	1744.5	1783.1	1774.5
17.5°	1414.0	1415.7	1430.3	1468.0	1520.7	1585.0	1659.2	1665.6	1729.5	1775.4	1757.8
20°	1374.1	1373.2	1387.4	1423.4	1477.8	1547.7	1635.2	1644.6	1724.8	1778.4	1746.7
22.5°	1357.8	1357.4	1367.7	1397.2	1448.3	1519.0	1620.6	1633.5	1729.9	1791.7	1739.8
25°	1366.0	1364.2	1373.2	1395.1	1435.8	1507.9	1624.9	1638.6	1751.8	1819.1	1741.1
27.5°	1391.2	1389.1	1396.8	1416.5	1447.4	1519.4	1654.9	1670.8	1798.1	1869.3	1758.2
30°	1429.8	1428.5	1436.3	1455.1	1482.1	1558.0	1712.4	1730.4	1869.7	1947.3	1795.5
32.5°	1474.8	1472.7	1486.4	1508.3	1539.6	1628.3	1789.5	1813.1	1954.6	2047.6	1858.1
35°	1525.4	1523.7	1542.6	1574.3	1619.3	1726.1	1883.0	1908.7	2041.2	2161.3	1941.3
37.5°	1574.7	1574.7	1611.2	1658.3	1714.9	1832.4	1970.9	1987.2	2101.2	2262.0	2030.5
40°	1618.5	1621.0	1675.9	1746.7	1818.7	1928.5	2028.8	2042.5	2127.8	2331.5	2108.1
42.5°	1666.9	1669.1	1732.9	1825.6	1911.3	2006.1	2063.9	2070.8	2133.0	2366.2	2163.0
45°	1705.5	1708.5	1787.8	1886.9	1991.9	2064.4	2091.8	2097.8	2140.2	2385.1	2202.8
47.5°	1725.7	1729.9	1820.8	1936.2	2046.4	2116.7	2137.7	2140.2	2170.3	2418.1	2250.9
50°	1722.2	1730.8	1833.3	1960.6	2086.7	2169.4	2211.4	2215.7	2231.6	2466.5	2307.0
52.5°	1752.7	1756.5	1859.9	1989.8	2144.1	2266.7	2339.6	2345.6	2338.3	2503.0	2340.5
55°	1702.1	1720.5	1826.8	1985.5	2231.6	2417.2	2529.5	2526.5	2435.2	2543.7	2396.2
57.5°	1376.7	1403.7	1501.0	1685.4	2087.5	2522.7	2671.4	2664.2	2510.2	2575.0	2456.7
60°	953.1	957.4	1045.3	1176.0	1611.2	2228.6	2629.9	2645.7	2524.0	2535.5	2344.8
62.5°	762.3	761.0	769.2	772.6	1024.7	1566.6	2075.9	2133.8	2096.9	1975.6	1661.8
65°	650.8	655.5	679.5	667.1	668.8	882.3	1240.3	1248.5	1222.8	1179.0	878.9
67.5°	509.3	517.5	559.9	608.4	592.9	568.1	643.5	639.7	504.2	390.1	322.4
70°	319.0	324.1	369.6	477.6	516.2	466.5	413.7	412.0	270.1	222.1	243.5
72.5°	186.1	186.9	199.8	266.2	342.6	319.0	304.4	293.3	173.6	177.1	194.2
75°	102.5	102.5	102.0	114.9	135.1	119.6	115.8	112.8	116.2	131.6	144.5
77.5°	21.4	21.9	23.2	30.4	39.4	48.0	60.5	60.9	75.9	87.9	98.2
80°	9.9	10.3	12.9	16.3	21.0	27.9	36.9	37.3	45.9	55.3	62.2
82.5°	5.1	5.6	6.9	8.6	11.1	14.6	20.6	20.6	27.4	32.6	36.9
85°	1.7	1.7	2.6	3.4	4.7	6.0	8.1	8.1	12.0	15.9	18.4
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.7	1.7	2.1	2.6	4.3
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°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1914.3	1901.0	1901.4	1904.0	1895.9	1883.4	1875.3	1865.0	1858.6	1857.3	1862.0
5°	1886.9	1871.4	1860.7	1849.6	1826.4	1799.0	1777.5	1760.0	1748.4	1744.1	1738.9
7.5°	1849.1	1829.0	1802.0	1770.7	1728.7	1679.8	1645.5	1613.3	1591.0	1584.6	1581.6
10°	1811.4	1782.3	1734.2	1675.9	1606.0	1540.0	1477.8	1430.3	1392.5	1371.1	1378.0
12.5°	1772.4	1736.4	1661.3	1571.7	1474.4	1375.0	1293.5	1214.6	1153.7	1123.3	1114.3
15°	1738.1	1689.2	1584.6	1463.3	1333.8	1208.6	1090.7	972.4	895.2	853.2	841.6
17.5°	1708.9	1645.5	1503.6	1352.7	1197.9	1019.5	874.6	764.9	712.1	689.0	687.3
20°	1680.2	1602.6	1423.4	1233.5	1041.0	841.2	711.7	660.3	641.4	633.2	632.8
22.5°	1654.5	1557.6	1338.9	1114.3	884.9	707.0	635.8	613.5	608.4	608.4	607.5
25°	1632.6	1512.6	1252.3	987.8	743.9	629.4	596.4	586.9	589.1	592.9	593.4
27.5°	1623.6	1477.4	1168.7	857.9	646.5	584.4	569.4	568.1	574.1	580.1	580.9
30°	1633.1	1453.4	1083.0	733.6	588.2	556.9	550.1	552.6	559.9	565.9	565.9
32.5°	1662.2	1441.4	995.5	642.7	554.4	537.6	535.5	538.1	543.6	547.1	547.5
35°	1711.5	1446.1	905.1	581.4	532.5	523.5	523.1	524.8	526.9	529.1	529.5
37.5°	1773.7	1467.1	808.2	545.8	518.3	513.2	512.3	511.9	512.3	512.3	512.8
40°	1834.6	1498.9	721.6	524.8	508.5	504.2	502.0	499.0	498.6	497.8	497.3
42.5°	1879.6	1523.3	652.5	509.8	499.5	494.3	491.8	487.0	486.6	486.2	485.8
45°	1913.4	1543.9	595.1	495.2	490.0	485.3	479.8	475.5	476.3	477.2	477.2
47.5°	1951.6	1561.9	553.1	481.5	478.5	473.8	466.9	463.9	466.9	469.9	469.9
50°	1997.9	1587.2	518.8	467.7	466.5	460.9	454.9	453.6	457.0	461.3	461.3
52.5°	2031.8	1609.0	494.3	454.0	454.0	446.7	441.6	441.2	445.0	449.3	449.7
55°	2095.2	1660.1	485.8	438.2	436.5	430.9	427.0	424.0	428.7	432.6	432.6
57.5°	2166.8	1727.8	487.9	415.4	413.3	411.6	408.6	405.2	406.4	410.7	411.2
60°	2015.1	1596.6	464.3	392.7	391.4	390.6	386.7	380.7	382.4	385.9	386.3
62.5°	1407.5	1061.1	375.6	364.4	368.7	368.3	363.1	356.3	356.7	361.4	361.4
65°	730.6	574.1	329.7	338.7	345.1	342.6	334.0	328.0	327.1	333.1	331.8
67.5°	315.1	313.4	300.1	311.7	318.6	313.0	304.0	294.1	295.0	297.1	295.4
70°	253.8	261.5	267.1	279.5	285.1	274.8	265.0	259.4	254.7	254.2	251.2
72.5°	202.8	213.5	225.9	238.8	240.5	230.2	217.8	212.7	205.4	204.9	201.9
75°	152.6	161.6	171.5	181.8	181.8	171.9	163.8	161.2	152.6	150.1	147.5
77.5°	104.2	109.8	117.5	120.0	122.6	118.8	110.6	106.3	96.5	93.9	90.5
80°	65.6	69.5	74.2	75.9	78.5	73.7	67.3	62.6	55.7	53.6	51.9
82.5°	39.4	42.0	45.0	45.9	48.0	44.6	38.6	35.2	31.3	29.6	28.3
85°	20.2	21.4	23.2	23.6	23.2	19.7	17.6	15.9	13.3	12.9	12.0
87.5°	5.1	6.0	6.4	6.0	5.6	4.3	3.0	2.1	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)