

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: P630440

Luminaire Tested: GWS-SA1D-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630440
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-SA1D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5210.6 lumens
Efficiency: N/A
Efficacy: 117.6 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

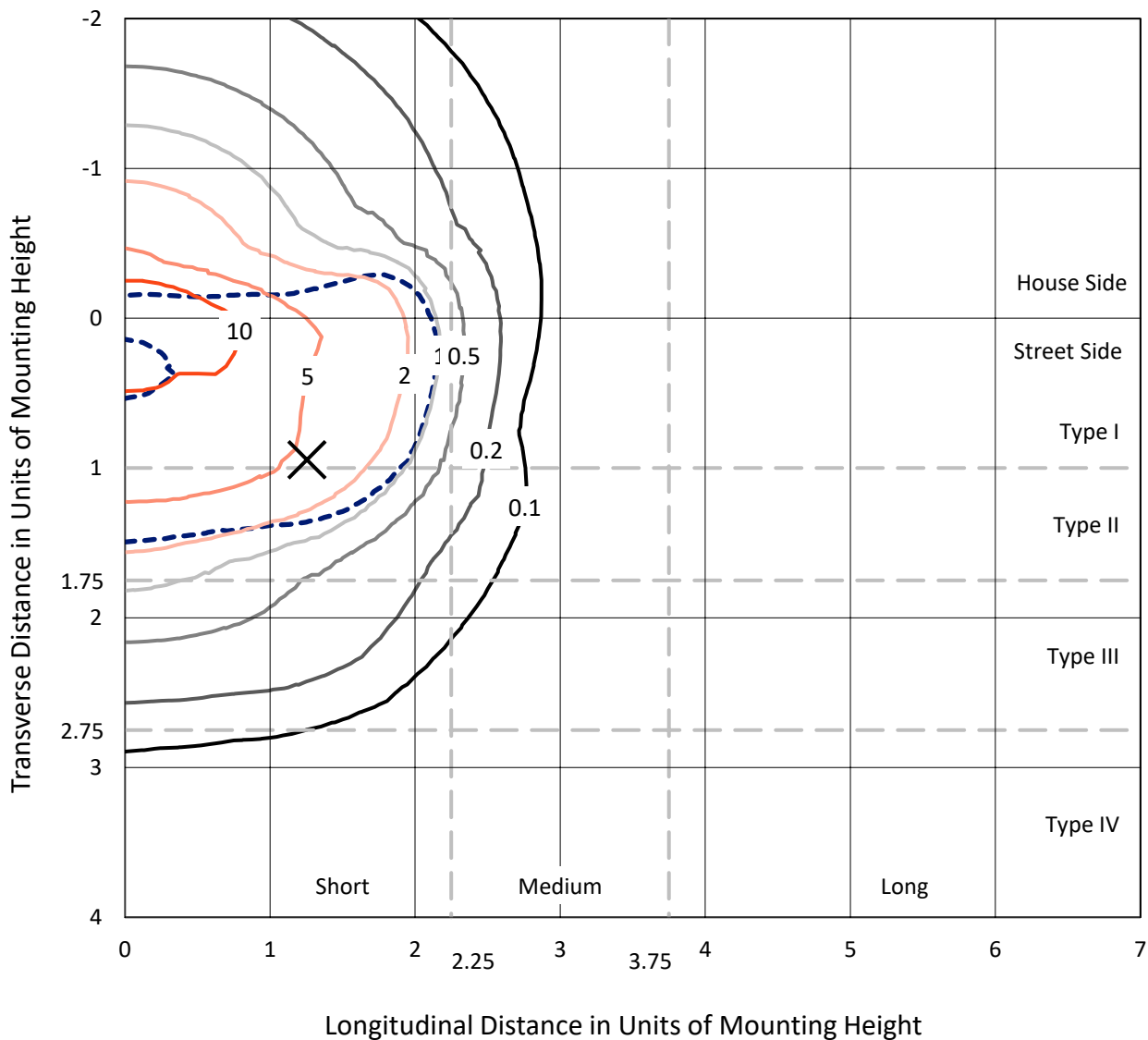
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

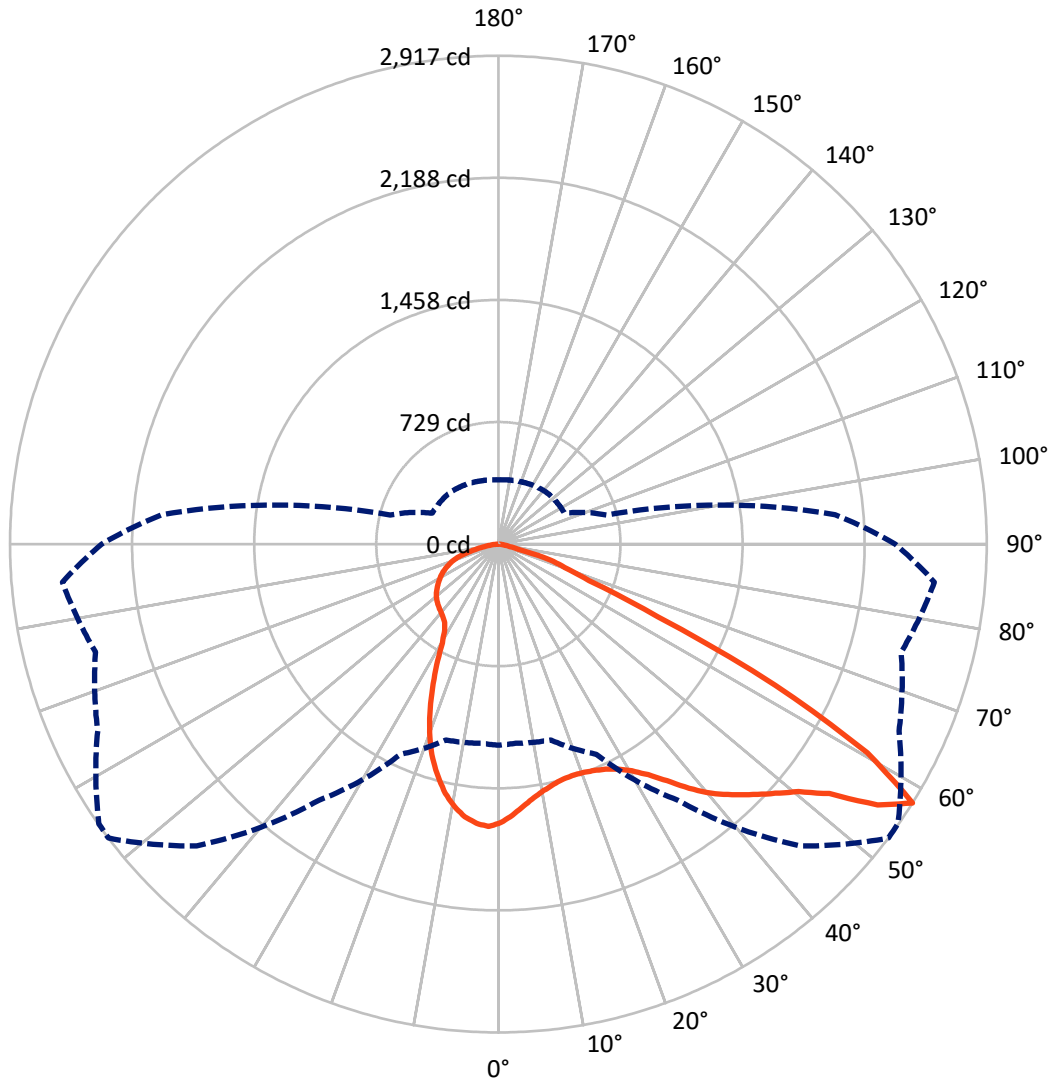
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type II - Short - N/A

REPORT NUMBER: P630440
CATALOG NUMBER: GWS-SA1D-760-U-SL2-W-GRSWH

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	1629.2	0.0	1629.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	3581.4	0.0	3581.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	5210.6	0.0	5210.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	2.9
10°-20°	394.7	7.6
20°-30°	581.6	11.2
30°-40°	814.1	15.6
40°-50°	1070.2	20.5
50°-60°	1254.8	24.1
60°-70°	739.2	14.2
70°-80°	183.9	3.5
80°-90°	21.6	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°	5210.6	100.0
0°-180°	5210.6	100.0

Coefficient of Utilization



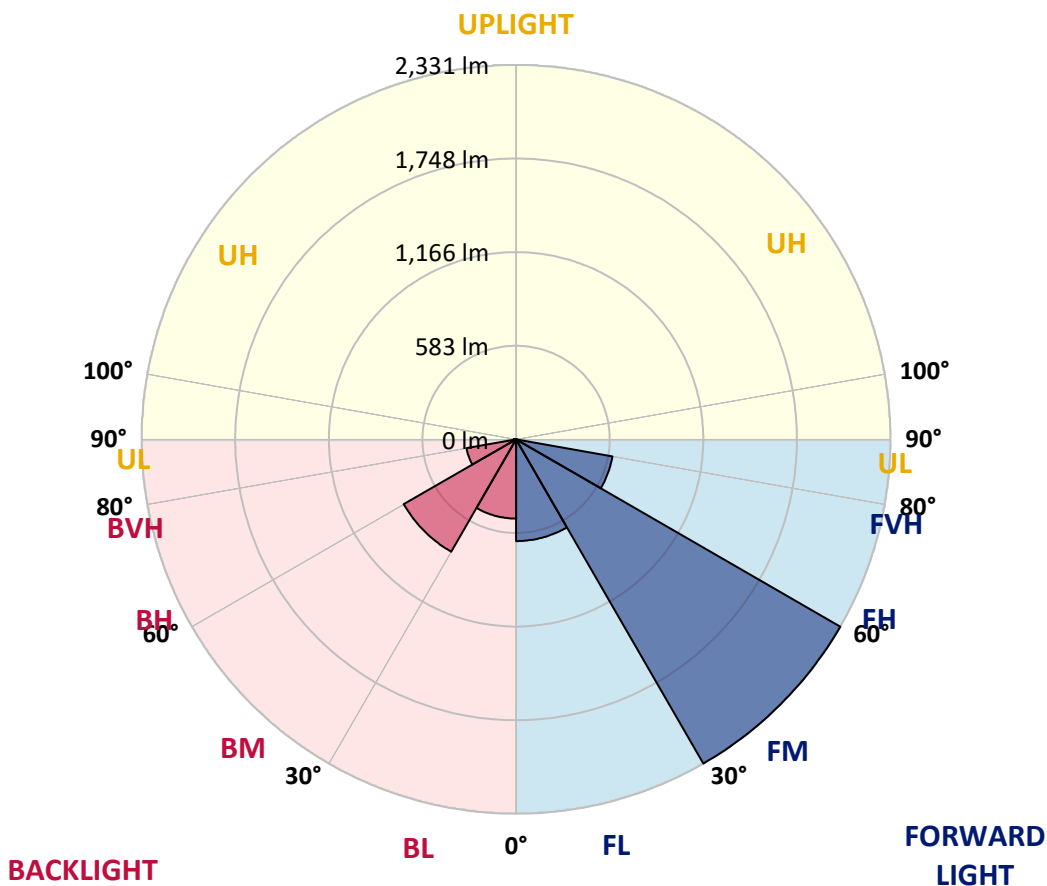
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.5	12.2			
FM (30°-60°)	2331.3	44.7			
FH (60°-80°)	609.4	11.7			G0/660
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	493.3	9.5	B1/500		
BM (30°-60°)	807.8	15.5	B1/1000		
BH (60°-80°)	313.7	6.0	B1/500		G1/500
BVH (80°-90°)	14.4	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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CATALOG NUMBER: GWS-SA1D-760-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9
2.5°	1568.3	1572.7	1573.5	1587.1	1588.0	1607.8	1620.9	1618.3	1631.9	1648.5	1661.7
5°	1493.3	1493.7	1498.1	1514.3	1523.1	1549.0	1570.9	1570.9	1597.2	1631.4	1660.8
7.5°	1431.5	1431.0	1435.0	1452.9	1467.4	1498.5	1528.4	1531.9	1568.7	1618.7	1666.5
10°	1374.0	1377.1	1381.5	1403.4	1421.8	1460.4	1495.9	1501.6	1548.1	1609.9	1674.4
12.5°	1337.2	1337.6	1344.2	1368.7	1392.4	1433.6	1470.9	1477.9	1531.4	1601.6	1680.1
15°	1313.5	1313.9	1320.9	1348.1	1375.8	1417.4	1455.6	1463.5	1521.8	1600.3	1691.1
17.5°	1303.0	1302.5	1309.1	1336.3	1366.5	1410.0	1450.7	1460.4	1526.2	1610.4	1710.4
20°	1303.0	1303.4	1306.9	1331.5	1362.2	1408.2	1455.6	1467.4	1543.3	1633.2	1740.2
22.5°	1321.4	1323.1	1324.9	1341.5	1365.7	1410.8	1468.3	1484.1	1580.1	1671.3	1779.2
25°	1357.3	1357.8	1359.5	1373.1	1384.1	1418.3	1489.3	1513.0	1637.6	1727.0	1828.3
27.5°	1405.6	1411.7	1413.5	1422.2	1422.2	1436.7	1522.2	1556.4	1715.2	1807.3	1891.1
30°	1473.1	1475.3	1478.4	1488.0	1477.5	1471.4	1570.5	1614.3	1805.1	1904.2	1966.5
32.5°	1532.3	1537.1	1553.8	1569.6	1550.7	1531.4	1641.5	1693.3	1891.5	2005.1	2046.7
35°	1582.8	1594.6	1626.6	1661.7	1648.5	1629.2	1735.8	1789.8	1962.5	2077.4	2117.8
37.5°	1643.7	1652.9	1696.8	1753.8	1765.6	1756.4	1850.7	1889.3	2009.9	2095.9	2156.4
40°	1705.5	1719.6	1776.2	1855.1	1900.3	1906.8	1956.8	1982.7	2026.1	2059.9	2148.9
42.5°	1768.7	1792.8	1870.4	1962.5	2042.8	2057.7	2046.3	2057.3	2020.9	2010.3	2114.3
45°	1845.9	1874.4	1962.1	2079.6	2185.3	2208.6	2134.0	2123.9	2020.0	1991.5	2092.8
47.5°	1937.1	1965.6	2049.4	2186.2	2321.3	2338.4	2223.9	2205.5	2050.7	2020.4	2121.7
50°	2017.8	2037.5	2112.5	2265.6	2448.0	2458.1	2323.0	2300.7	2127.0	2100.7	2212.1
52.5°	1935.8	1933.6	2012.5	2201.1	2513.8	2635.3	2475.7	2454.2	2274.4	2234.0	2352.0
55°	1642.4	1617.4	1688.0	1873.5	2330.1	2792.7	2749.3	2706.3	2470.8	2368.2	2483.1
57.5°	1200.8	1193.8	1210.9	1385.0	1866.5	2548.9	2916.8	2912.9	2640.6	2491.0	2613.8
60°	939.0	928.4	882.8	887.6	1272.3	1991.0	2531.4	2647.6	2745.8	2564.7	2705.0
62.5°	833.7	825.8	802.1	736.8	757.8	1335.0	1855.5	1962.1	2399.3	2265.1	2323.5
65°	690.3	688.1	707.8	705.2	635.0	737.2	1047.3	1154.7	1508.6	1527.5	1508.6
67.5°	501.7	497.8	547.8	646.4	611.3	556.5	583.7	621.0	773.6	694.7	625.4
70°	326.3	320.6	349.5	467.1	547.3	485.0	420.6	414.4	425.4	264.4	285.9
72.5°	218.8	212.3	211.8	257.0	330.7	326.7	325.8	322.8	288.1	208.8	231.6
75°	121.9	116.7	115.3	111.0	118.4	120.6	128.5	132.9	143.8	158.3	175.4
77.5°	20.6	20.2	25.4	32.5	44.7	57.5	71.0	75.0	92.5	109.6	120.6
80°	11.4	11.8	15.3	18.9	25.0	34.2	43.9	46.5	57.0	66.2	75.0
82.5°	6.1	6.1	7.9	10.1	13.6	18.0	23.7	25.9	32.9	38.6	44.7
85°	2.2	2.2	3.1	3.9	5.7	7.5	9.2	10.5	14.5	19.7	22.4
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.8	1.8	2.2	3.9	5.7
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°	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9
2.5°	1672.7	1660.8	1677.0	1684.5	1687.1	1688.9	1677.5	1669.6	1667.0	1658.6	1653.8
5°	1678.8	1670.9	1686.3	1686.3	1675.3	1663.9	1640.6	1624.4	1613.0	1599.4	1597.2
7.5°	1689.3	1683.6	1692.0	1674.8	1647.2	1616.5	1576.2	1544.6	1519.2	1502.5	1502.9
10°	1703.4	1696.3	1689.8	1651.6	1601.2	1544.6	1482.8	1436.7	1394.6	1375.3	1364.8
12.5°	1712.6	1702.5	1674.8	1611.7	1537.6	1461.7	1374.4	1306.0	1245.1	1217.4	1215.2
15°	1724.0	1705.5	1650.3	1559.9	1456.9	1353.4	1241.1	1145.9	1063.5	1020.5	1018.3
17.5°	1738.9	1708.6	1620.9	1500.7	1371.8	1219.2	1078.0	958.2	870.5	837.2	842.9
20°	1759.9	1712.1	1587.6	1435.0	1266.1	1066.6	890.7	780.6	746.9	744.7	740.3
22.5°	1783.6	1714.3	1550.7	1361.3	1138.1	903.9	735.9	689.0	688.5	699.5	702.1
25°	1810.4	1716.1	1509.1	1275.3	999.5	741.6	650.8	636.8	647.7	668.4	671.0
27.5°	1844.6	1719.6	1458.6	1181.0	852.1	640.7	603.9	600.4	613.5	632.8	632.0
30°	1895.0	1732.3	1405.1	1072.7	700.8	592.9	575.4	575.8	581.1	590.3	591.6
32.5°	1946.3	1752.0	1352.9	950.8	614.0	565.7	557.8	557.0	557.0	560.9	561.8
35°	1995.0	1774.4	1296.4	823.6	571.9	550.0	544.7	542.1	540.7	539.9	538.5
37.5°	2022.2	1785.4	1241.1	698.2	549.5	539.4	534.2	530.7	525.8	522.3	521.4
40°	2010.3	1772.6	1177.1	604.3	535.9	529.3	523.2	518.4	511.8	508.7	507.0
42.5°	1970.9	1733.2	1107.4	560.0	525.0	518.4	510.9	503.0	498.6	496.0	495.6
45°	1929.2	1685.4	1023.2	534.2	514.4	506.5	497.8	489.0	484.2	482.9	482.4
47.5°	1927.9	1661.7	933.7	513.6	501.7	493.8	482.9	474.1	468.8	467.1	465.3
50°	1985.8	1685.8	832.8	495.6	488.6	480.2	467.9	458.3	451.7	449.5	449.1
52.5°	2106.0	1776.6	742.5	477.6	471.0	461.4	451.3	441.6	433.7	429.8	429.3
55°	2235.8	1891.9	686.3	459.2	450.4	442.1	432.9	422.3	413.6	407.4	406.5
57.5°	2370.0	2017.8	669.2	435.9	429.3	423.6	412.7	401.3	391.2	385.5	384.2
60°	2480.5	2126.1	701.3	411.4	407.9	400.4	390.3	379.4	372.3	367.9	367.1
62.5°	2076.6	1731.0	566.2	384.6	384.6	376.7	365.3	357.4	352.6	349.5	348.7
65°	1317.9	1071.8	386.4	357.9	357.4	346.9	337.3	332.0	329.8	325.0	324.1
67.5°	574.1	489.9	330.2	330.7	328.9	317.5	307.9	303.9	299.5	294.3	293.8
70°	297.8	303.5	295.6	300.4	297.3	283.7	274.5	268.4	259.2	253.9	254.4
72.5°	240.3	246.5	255.2	262.7	256.1	245.2	230.7	223.2	211.4	205.7	206.1
75°	183.3	189.9	198.2	206.1	200.9	187.3	178.1	170.6	157.0	150.4	151.7
77.5°	126.3	129.8	139.9	139.5	137.7	133.8	120.2	111.4	97.4	89.5	90.3
80°	78.5	80.7	85.5	87.7	86.8	81.6	70.6	64.0	55.7	50.9	51.3
82.5°	47.4	48.7	53.1	53.5	53.1	49.1	40.8	36.0	30.7	28.1	28.1
85°	24.1	25.0	27.6	27.6	25.0	21.1	18.9	16.7	13.6	12.3	12.3
87.5°	6.6	6.6	8.3	7.0	5.7	5.3	2.6	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)