

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: P630330

Luminaire Tested: GWS-SA1D-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630330
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5164.6 lumens
Efficiency: N/A
Efficacy: 116.6 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

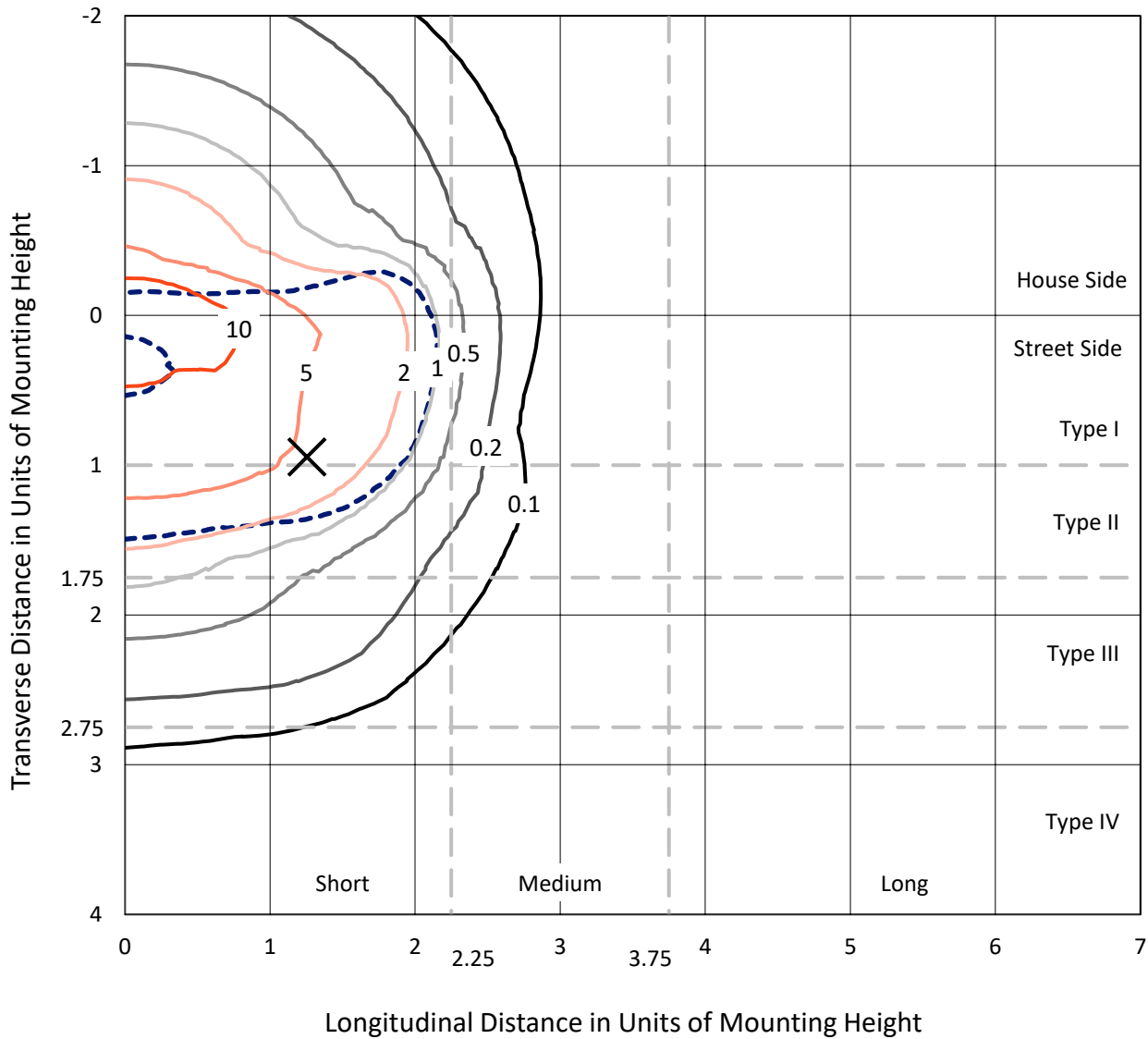
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

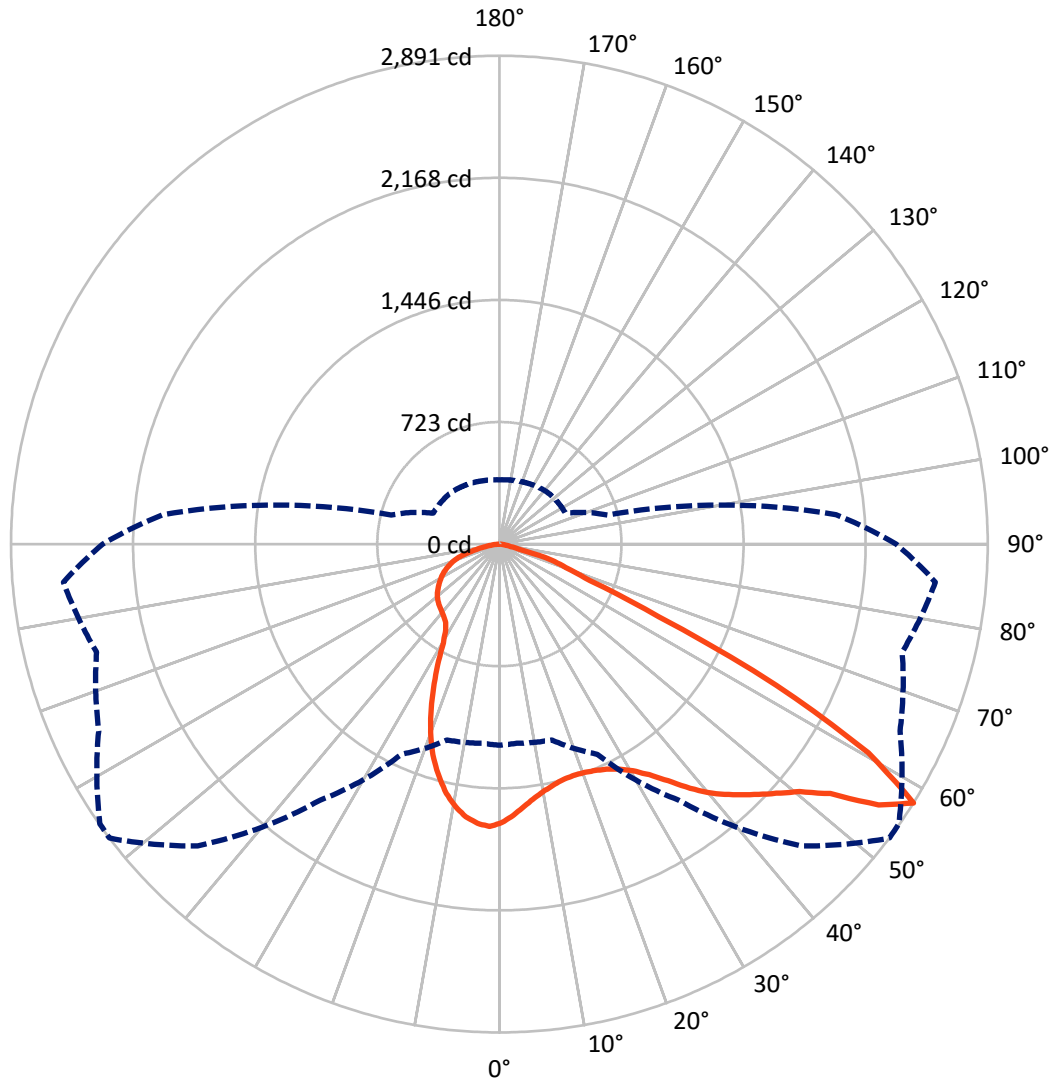
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 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	1614.8	0.0	1614.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	3549.8	0.0	3549.8
	% Fixture	68.7	0.0	68.7
Total	Lumens	5164.6	0.0	5164.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	2.9
10°-20°	391.3	7.6
20°-30°	576.5	11.2
30°-40°	806.9	15.6
40°-50°	1060.7	20.5
50°-60°	1243.7	24.1
60°-70°	732.7	14.2
70°-80°	182.3	3.5
80°-90°	21.4	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°	5164.6	100.0
0°-180°	5164.6	100.0

Coefficient of Utilization



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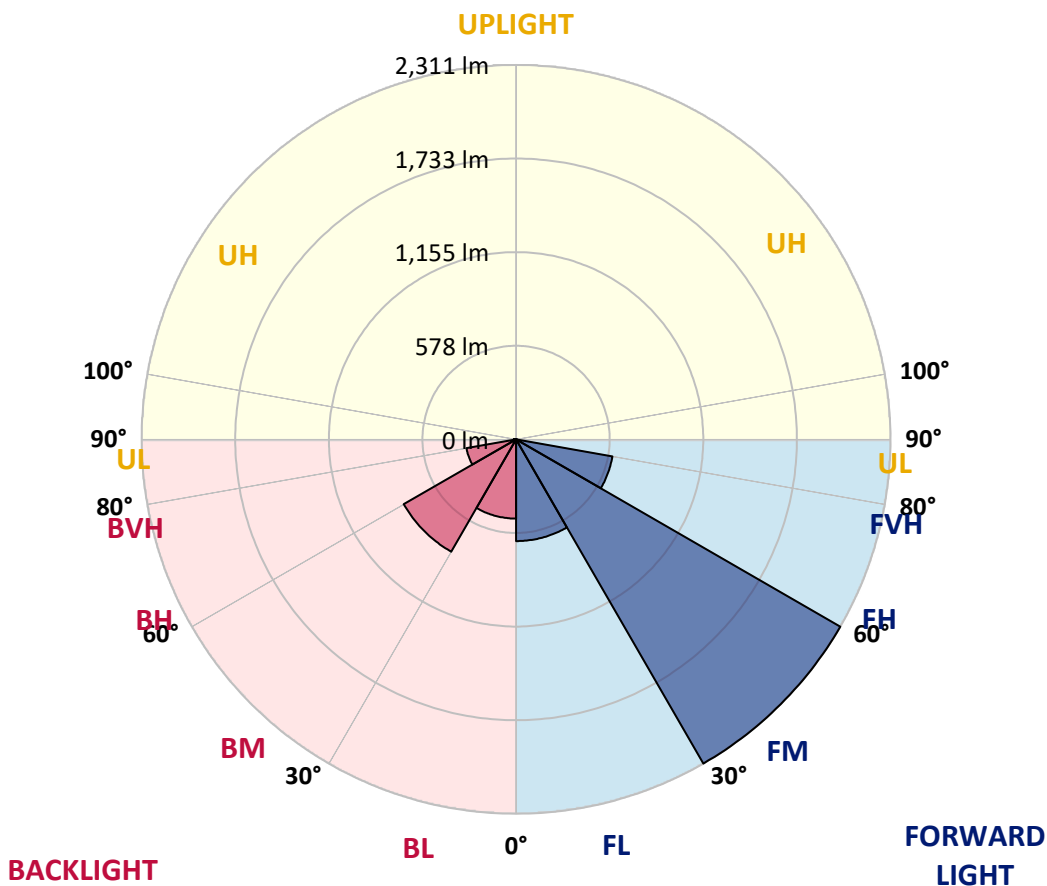
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.9	12.2			
FM (30°-60°)	2310.7	44.7			
FH (60°-80°)	604.1	11.7			G0/660
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	489.0	9.5	B1/500		
BM (30°-60°)	800.7	15.5	B1/1000		
BH (60°-80°)	310.9	6.0	B1/500		G1/500
BVH (80°-90°)	14.2	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°	53°	55°	65°	75°	85°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1554.4	1558.8	1559.7	1573.1	1574.0	1593.6	1606.6	1604.0	1617.5	1634.0	1647.0
5°	1480.1	1480.5	1484.9	1501.0	1509.7	1535.3	1557.0	1557.0	1583.1	1617.0	1646.2
7.5°	1418.8	1418.4	1422.3	1440.1	1454.5	1485.3	1514.9	1518.4	1554.9	1604.4	1651.8
10°	1361.9	1364.9	1369.3	1391.0	1409.2	1447.5	1482.7	1488.4	1534.4	1595.7	1659.6
12.5°	1325.4	1325.8	1332.3	1356.7	1380.1	1421.0	1457.9	1464.9	1517.9	1587.5	1665.3
15°	1301.9	1302.3	1309.3	1336.2	1363.6	1404.9	1442.7	1450.5	1508.4	1586.2	1676.1
17.5°	1291.5	1291.0	1297.5	1324.5	1354.5	1397.5	1437.9	1447.5	1512.7	1596.2	1695.3
20°	1291.5	1291.9	1295.4	1319.7	1350.1	1395.8	1442.7	1454.5	1529.7	1618.8	1724.8
22.5°	1309.7	1311.4	1313.2	1329.7	1353.6	1398.4	1455.3	1471.0	1566.2	1656.6	1763.5
25°	1345.4	1345.8	1347.5	1361.0	1371.9	1405.8	1476.2	1499.7	1623.1	1711.8	1812.2
27.5°	1393.2	1399.3	1401.0	1409.7	1409.7	1424.0	1508.8	1542.7	1700.1	1791.3	1874.4
30°	1460.1	1462.3	1465.3	1474.9	1464.5	1458.4	1556.6	1600.1	1789.2	1887.4	1949.1
32.5°	1518.8	1523.6	1540.1	1555.7	1537.0	1517.9	1627.0	1678.3	1874.8	1987.4	2028.7
35°	1568.8	1580.5	1612.2	1647.0	1634.0	1614.9	1720.5	1774.0	1945.2	2059.1	2099.1
37.5°	1629.2	1638.3	1681.8	1738.3	1750.0	1740.9	1834.4	1872.6	1992.2	2077.4	2137.3
40°	1690.5	1704.4	1760.5	1838.7	1883.5	1890.0	1939.6	1965.2	2008.2	2041.7	2130.0
42.5°	1753.1	1777.0	1853.9	1945.2	2024.8	2039.5	2028.2	2039.1	2003.0	1992.6	2095.6
45°	1829.6	1857.8	1944.8	2061.3	2166.0	2189.1	2115.2	2105.2	2002.2	1973.9	2074.3
47.5°	1920.0	1948.3	2031.3	2166.9	2300.8	2317.7	2204.3	2186.0	2032.6	2002.6	2103.0
50°	2000.0	2019.5	2093.9	2245.6	2426.4	2436.4	2302.5	2280.4	2108.2	2082.1	2192.6
52.5°	1918.7	1916.5	1994.8	2181.7	2491.6	2612.0	2453.8	2432.5	2254.3	2214.3	2331.2
55°	1627.9	1603.1	1673.1	1857.0	2309.5	2768.1	2725.0	2682.4	2449.0	2347.3	2461.2
57.5°	1190.2	1183.2	1200.2	1372.7	1850.0	2526.4	2891.1	2887.2	2617.2	2469.0	2590.7
60°	930.7	920.2	875.0	879.8	1261.0	1973.5	2509.0	2624.2	2721.6	2542.0	2681.1
62.5°	826.3	818.5	795.0	730.3	751.1	1323.2	1839.2	1944.8	2378.2	2245.1	2303.0
65°	684.2	682.0	701.6	699.0	629.4	730.7	1038.0	1144.5	1495.3	1514.0	1495.3
67.5°	497.3	493.4	542.9	640.7	606.0	551.6	578.6	615.5	766.8	688.5	619.9
70°	323.4	317.8	346.4	462.9	542.5	480.8	416.9	410.8	421.6	262.1	283.4
72.5°	216.9	210.4	210.0	254.7	327.8	323.8	323.0	319.9	285.6	206.9	229.5
75°	120.8	115.6	114.3	110.0	117.4	119.5	127.4	131.7	142.6	156.9	173.9
77.5°	20.4	20.0	25.2	32.2	44.3	56.9	70.4	74.3	91.7	108.7	119.5
80°	11.3	11.7	15.2	18.7	24.8	33.9	43.5	46.1	56.5	65.6	74.3
82.5°	6.1	6.1	7.8	10.0	13.5	17.8	23.5	25.6	32.6	38.3	44.3
85°	2.2	2.2	3.0	3.9	5.7	7.4	9.1	10.4	14.3	19.6	22.2
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.7	1.7	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°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1657.9	1646.2	1662.2	1669.6	1672.2	1674.0	1662.7	1654.8	1652.2	1644.0	1639.2
5°	1664.0	1656.2	1671.4	1671.4	1660.5	1649.2	1626.2	1610.1	1598.8	1585.3	1583.1
7.5°	1674.4	1668.8	1677.0	1660.1	1632.7	1602.3	1562.3	1531.0	1505.8	1489.2	1489.7
10°	1688.3	1681.4	1674.8	1637.0	1587.0	1531.0	1469.7	1424.0	1382.3	1363.2	1352.7
12.5°	1697.4	1687.4	1660.1	1597.5	1524.0	1448.8	1362.3	1294.5	1234.1	1206.7	1204.5
15°	1708.7	1690.5	1635.7	1546.2	1444.0	1341.4	1230.2	1135.8	1054.1	1011.5	1009.3
17.5°	1723.5	1693.5	1606.6	1487.5	1359.7	1208.4	1068.5	949.8	862.9	829.8	835.5
20°	1744.4	1697.0	1573.6	1422.3	1254.9	1057.2	882.8	773.7	740.3	738.1	733.7
22.5°	1767.9	1699.2	1537.0	1349.3	1128.0	895.9	729.4	682.9	682.5	693.3	695.9
25°	1794.4	1700.9	1495.8	1264.1	990.6	735.1	645.1	631.2	642.0	662.5	665.1
27.5°	1828.3	1704.4	1445.8	1170.6	844.6	635.1	598.6	595.1	608.1	627.3	626.4
30°	1878.3	1717.0	1392.7	1063.2	694.6	587.7	570.3	570.7	576.0	585.1	586.4
32.5°	1929.1	1736.6	1341.0	942.4	608.6	560.7	552.9	552.1	552.1	556.0	556.8
35°	1977.4	1758.7	1284.9	816.3	566.8	545.1	539.9	537.3	536.0	535.1	533.8
37.5°	2004.3	1769.6	1230.2	692.0	544.7	534.7	529.4	526.0	521.2	517.7	516.8
40°	1992.6	1757.0	1166.7	599.0	531.2	524.7	518.6	513.8	507.3	504.2	502.5
42.5°	1953.5	1717.9	1097.6	555.1	520.3	513.8	506.4	498.6	494.2	491.6	491.2
45°	1912.2	1670.5	1014.1	529.4	509.9	502.1	493.4	484.7	479.9	478.6	478.2
47.5°	1910.9	1647.0	925.4	509.0	497.3	489.5	478.6	469.9	464.7	462.9	461.2
50°	1968.3	1670.9	825.5	491.2	484.2	476.0	463.8	454.2	447.7	445.6	445.1
52.5°	2087.4	1760.9	735.9	473.4	466.9	457.3	447.3	437.7	429.9	426.0	425.6
55°	2216.0	1875.2	680.3	455.1	446.4	438.2	429.0	418.6	409.9	403.8	403.0
57.5°	2349.0	2000.0	663.3	432.1	425.6	419.9	409.0	397.7	387.7	382.1	380.8
60°	2458.6	2107.4	695.1	407.7	404.3	396.9	386.9	376.0	369.0	364.7	363.8
62.5°	2058.2	1715.7	561.2	381.2	381.2	373.4	362.1	354.3	349.5	346.4	345.6
65°	1306.2	1062.4	383.0	354.7	354.3	343.8	334.3	329.1	326.9	322.1	321.2
67.5°	569.0	485.5	327.3	327.8	326.0	314.7	305.1	301.2	296.9	291.7	291.2
70°	295.2	300.8	293.0	297.8	294.7	281.2	272.1	266.0	256.9	251.7	252.1
72.5°	238.2	244.3	253.0	260.4	253.9	243.0	228.6	221.3	209.5	203.9	204.3
75°	181.7	188.2	196.5	204.3	199.1	185.6	176.5	169.1	155.6	149.1	150.4
77.5°	125.2	128.7	138.7	138.2	136.5	132.6	119.1	110.4	96.5	88.7	89.5
80°	77.8	80.0	84.8	86.9	86.1	80.9	70.0	63.5	55.2	50.4	50.9
82.5°	46.9	48.3	52.6	53.0	52.6	48.7	40.4	35.6	30.4	27.8	27.8
85°	23.9	24.8	27.4	27.4	24.8	20.9	18.7	16.5	13.5	12.2	12.2
87.5°	6.5	6.5	8.3	7.0	5.7	5.2	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)