

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: P629949

Luminaire Tested: GWS-SA1C-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629949
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-SA1C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4061.1 lumens
Efficiency: N/A
Efficacy: 119.1 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

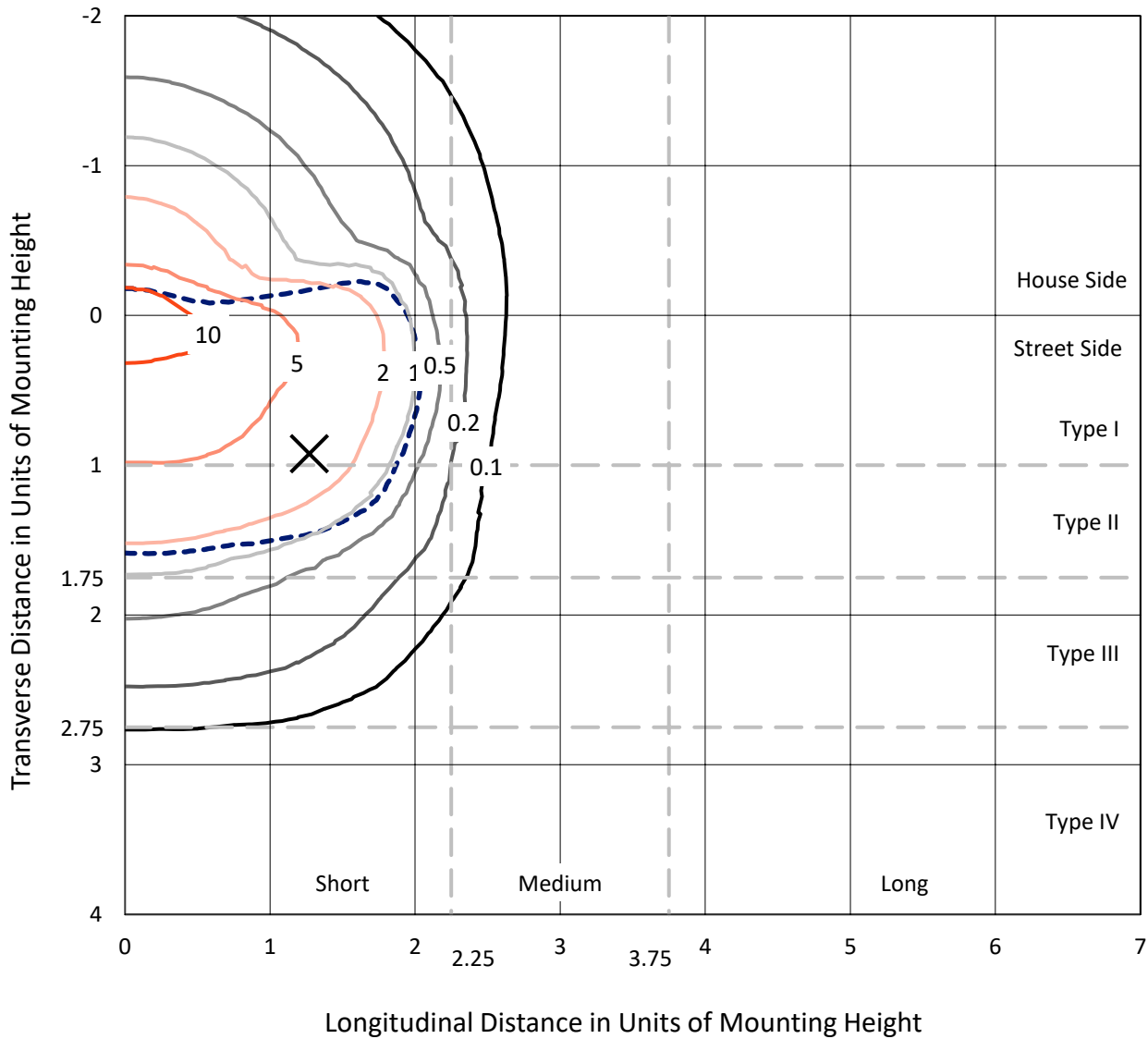
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

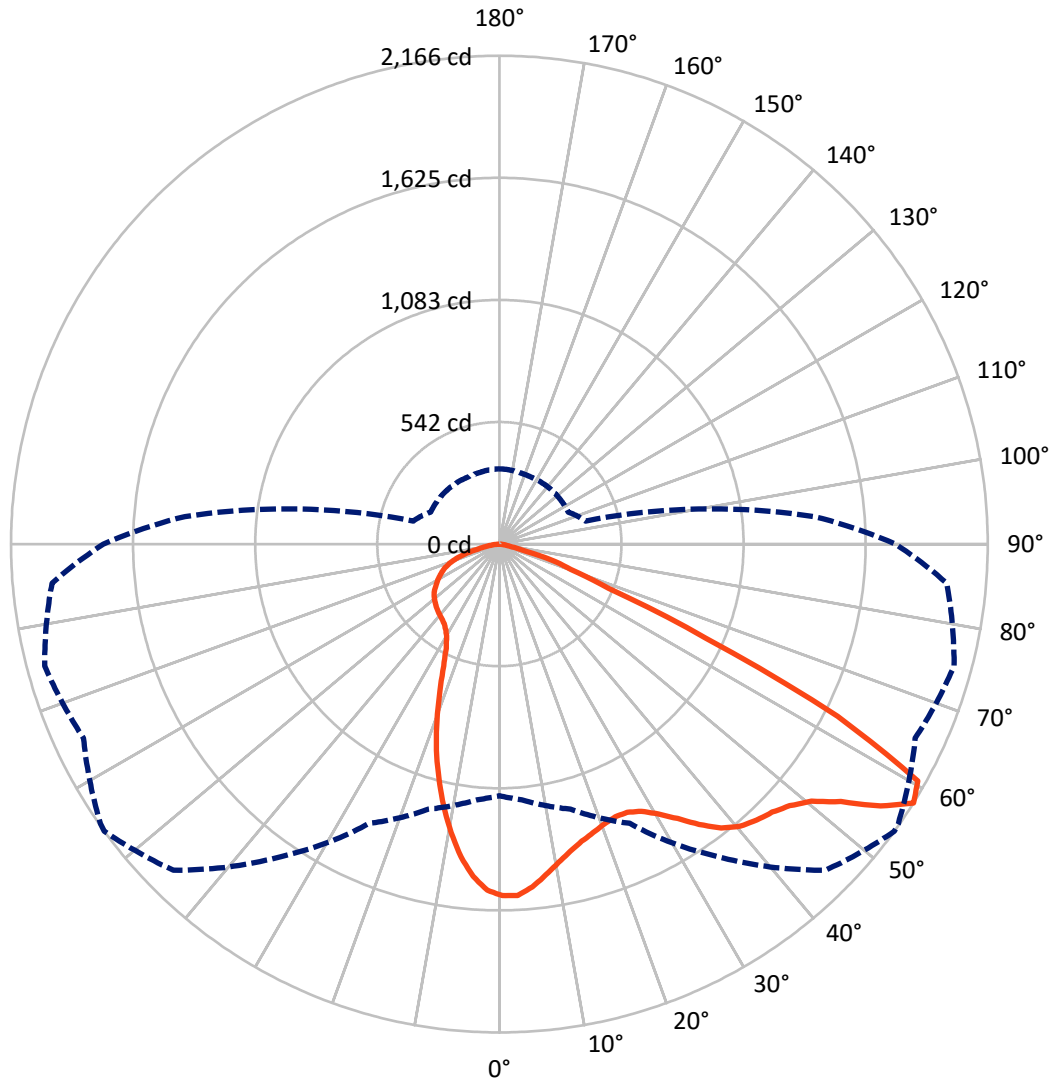
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 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	1180.6	0.0	1180.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	2880.5	0.0	2880.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	4061.1	0.0	4061.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	3.4
10°-20°	327.0	8.1
20°-30°	452.5	11.1
30°-40°	628.8	15.5
40°-50°	830.4	20.4
50°-60°	986.9	24.3
60°-70°	546.7	13.5
70°-80°	136.2	3.4
80°-90°	15.5	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°	4061.1	100.0
0°-180°	4061.1	100.0

Coefficient of Utilization



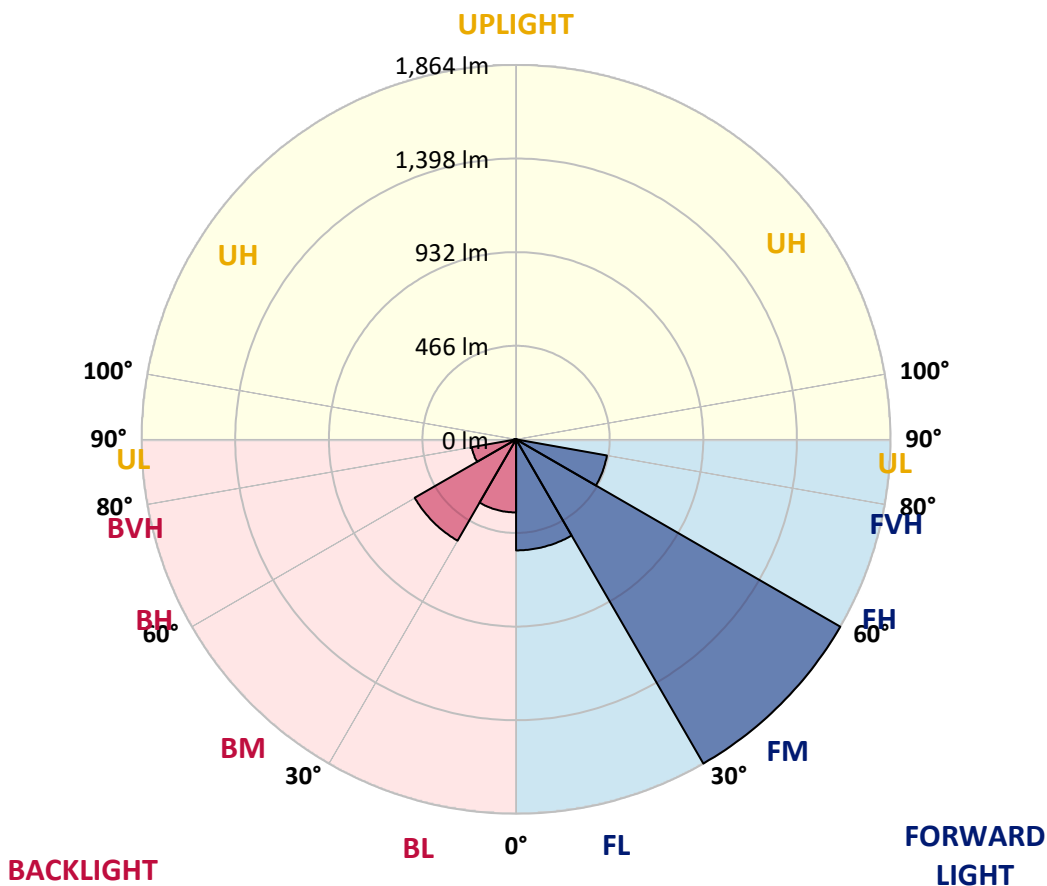
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.8	13.6			
FM (30°-60°)	1863.7	45.9			
FH (60°-80°)	459.2	11.3			G0/660
FVH (80°-90°)	4.8	0.1			G0/10
BL (0°-30°)	363.8	9.0	B1/500		
BM (30°-60°)	582.4	14.3	B1/1000		
BH (60°-80°)	223.7	5.5	B1/500		G1/500
BVH (80°-90°)	10.6	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°	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1
2.5°	1529.9	1533.1	1535.2	1542.5	1548.7	1554.3	1560.2	1560.2	1559.8	1558.8	1556.7
5°	1469.5	1472.9	1477.8	1487.9	1501.4	1511.2	1527.2	1528.6	1535.5	1538.3	1536.9
7.5°	1399.2	1400.3	1406.5	1419.7	1441.3	1458.7	1481.6	1484.4	1501.1	1510.8	1509.1
10°	1322.4	1318.9	1330.1	1349.5	1377.7	1406.9	1436.4	1438.9	1465.6	1484.1	1482.7
12.5°	1252.2	1252.5	1263.7	1287.3	1322.4	1358.6	1398.2	1403.8	1436.8	1460.4	1458.0
15°	1193.4	1194.8	1208.4	1235.2	1275.1	1318.2	1367.6	1372.8	1414.5	1445.8	1438.9
17.5°	1146.5	1147.9	1159.7	1190.3	1233.1	1285.2	1345.4	1350.6	1402.4	1439.6	1425.3
20°	1114.2	1113.5	1125.0	1154.2	1198.3	1255.0	1325.9	1333.5	1398.5	1442.0	1416.3
22.5°	1101.0	1100.6	1109.0	1132.9	1174.3	1231.7	1314.1	1324.5	1402.7	1452.8	1410.7
25°	1107.6	1106.2	1113.5	1131.2	1164.2	1222.6	1317.5	1328.7	1420.4	1475.0	1411.8
27.5°	1128.1	1126.3	1132.6	1148.6	1173.6	1232.0	1341.9	1354.7	1458.0	1515.7	1425.7
30°	1159.4	1158.3	1164.6	1179.9	1201.8	1263.3	1388.5	1403.1	1516.0	1579.0	1455.9
32.5°	1195.9	1194.1	1205.3	1223.0	1248.4	1320.3	1451.0	1470.2	1584.9	1660.3	1506.7
35°	1236.9	1235.5	1250.8	1276.5	1313.0	1399.6	1526.8	1547.7	1655.1	1752.4	1574.1
37.5°	1276.9	1276.9	1306.4	1344.7	1390.5	1485.8	1598.1	1611.3	1703.8	1834.1	1646.4
40°	1312.3	1314.4	1358.9	1416.3	1474.7	1563.7	1645.0	1656.1	1725.3	1890.4	1709.3
42.5°	1351.6	1353.3	1405.1	1480.2	1549.8	1626.6	1673.5	1679.1	1729.5	1918.6	1753.8
45°	1382.9	1385.3	1449.6	1529.9	1615.1	1673.9	1696.1	1701.0	1735.4	1933.9	1786.2
47.5°	1399.2	1402.7	1476.4	1569.9	1659.3	1716.3	1733.3	1735.4	1759.7	1960.7	1825.1
50°	1396.5	1403.4	1486.5	1589.7	1691.9	1759.0	1793.1	1796.6	1809.4	2000.0	1870.6
52.5°	1421.1	1424.3	1508.0	1613.4	1738.5	1838.0	1897.1	1901.9	1896.0	2029.5	1897.7
55°	1380.1	1395.1	1481.3	1609.9	1809.4	1960.0	2051.1	2048.6	1974.6	2062.5	1942.9
57.5°	1116.3	1138.2	1217.1	1366.6	1692.6	2045.5	2166.1	2160.2	2035.4	2087.9	1992.0
60°	772.8	776.3	847.5	953.6	1306.4	1807.0	2132.4	2145.3	2046.5	2055.9	1901.2
62.5°	618.1	617.1	623.7	626.4	830.9	1270.3	1683.3	1730.2	1700.3	1601.9	1347.4
65°	527.7	531.5	551.0	540.9	542.3	715.4	1005.7	1012.3	991.5	956.0	712.7
67.5°	413.0	419.6	454.0	493.3	480.8	460.6	521.8	518.7	408.8	316.3	261.4
70°	258.6	262.8	299.7	387.3	418.6	378.2	335.5	334.1	219.0	180.1	197.5
72.5°	150.9	151.6	162.0	215.9	277.8	258.6	246.8	237.8	140.8	143.6	157.5
75°	83.1	83.1	82.7	93.2	109.5	97.0	93.9	91.4	94.2	106.7	117.2
77.5°	17.4	17.7	18.8	24.7	32.0	38.9	49.0	49.4	61.5	71.3	79.6
80°	8.0	8.3	10.4	13.2	17.0	22.6	29.9	30.2	37.2	44.8	50.4
82.5°	4.2	4.5	5.6	7.0	9.0	11.8	16.7	16.7	22.2	26.4	29.9
85°	1.4	1.4	2.1	2.8	3.8	4.9	6.6	6.6	9.7	12.9	14.9
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	1.4	1.4	1.7	2.1	3.5
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°	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1	1559.1
2.5°	1552.2	1541.4	1541.8	1543.9	1537.2	1527.2	1520.6	1512.2	1507.0	1506.0	1509.8
5°	1529.9	1517.4	1508.7	1499.7	1480.9	1458.7	1441.3	1427.0	1417.7	1414.2	1410.0
7.5°	1499.4	1483.0	1461.1	1435.7	1401.7	1362.0	1334.2	1308.2	1290.1	1284.9	1282.4
10°	1468.8	1445.1	1406.2	1358.9	1302.2	1248.7	1198.3	1159.7	1129.1	1111.7	1117.3
12.5°	1437.1	1407.9	1347.1	1274.4	1195.5	1114.9	1048.8	984.9	935.5	910.8	903.5
15°	1409.3	1369.7	1284.9	1186.5	1081.5	980.0	884.4	788.4	725.9	691.8	682.4
17.5°	1385.7	1334.2	1219.2	1096.8	971.3	826.7	709.2	620.2	577.4	558.7	557.3
20°	1362.4	1299.5	1154.2	1000.1	844.1	682.1	577.1	535.4	520.1	513.5	513.1
22.5°	1341.5	1263.0	1085.7	903.5	717.5	573.3	515.5	497.5	493.3	493.3	492.6
25°	1323.8	1226.5	1015.4	801.0	603.1	510.3	483.6	475.9	477.7	480.8	481.1
27.5°	1316.5	1198.0	947.7	695.6	524.2	473.8	461.7	460.6	465.5	470.4	471.0
30°	1324.1	1178.5	878.1	594.8	477.0	451.6	446.0	448.1	454.0	458.9	458.9
32.5°	1347.8	1168.8	807.2	521.1	449.5	435.9	434.2	436.3	440.8	443.6	443.9
35°	1387.8	1172.6	733.9	471.4	431.8	424.5	424.1	425.5	427.2	429.0	429.3
37.5°	1438.2	1189.6	655.3	442.5	420.3	416.1	415.4	415.1	415.4	415.4	415.8
40°	1487.5	1215.3	585.1	425.5	412.3	408.8	407.1	404.6	404.3	403.6	403.3
42.5°	1524.0	1235.2	529.1	413.3	405.0	400.8	398.7	394.9	394.6	394.2	393.9
45°	1551.5	1251.8	482.5	401.5	397.3	393.5	389.0	385.5	386.2	386.9	386.9
47.5°	1582.4	1266.4	448.5	390.4	388.0	384.1	378.6	376.1	378.6	381.0	381.0
50°	1620.0	1286.9	420.6	379.3	378.2	373.7	368.8	367.8	370.6	374.1	374.1
52.5°	1647.4	1304.7	400.8	368.1	368.1	362.2	358.1	357.7	360.8	364.3	364.7
55°	1698.9	1346.0	393.9	355.3	353.9	349.4	346.2	343.8	347.6	350.8	350.8
57.5°	1757.0	1401.0	395.6	336.9	335.1	333.7	331.3	328.5	329.6	333.0	333.4
60°	1633.9	1294.6	376.5	318.4	317.4	316.7	313.6	308.7	310.1	312.9	313.2
62.5°	1141.3	860.4	304.5	295.5	299.0	298.6	294.4	288.9	289.2	293.1	293.1
65°	592.4	465.5	267.3	274.6	279.8	277.8	270.8	265.9	265.2	270.1	269.1
67.5°	255.5	254.1	243.3	252.7	258.3	253.8	246.5	238.5	239.2	240.9	239.5
70°	205.8	212.1	216.6	226.7	231.2	222.8	214.8	210.3	206.5	206.1	203.7
72.5°	164.4	173.1	183.2	193.6	195.0	186.7	176.6	172.4	166.5	166.2	163.7
75°	123.8	131.1	139.1	147.4	147.4	139.4	132.8	130.7	123.8	121.7	119.6
77.5°	84.5	89.0	95.3	97.3	99.4	96.3	89.7	86.2	78.2	76.1	73.4
80°	53.2	56.3	60.1	61.5	63.6	59.8	54.6	50.8	45.2	43.5	42.1
82.5°	32.0	34.1	36.5	37.2	38.9	36.2	31.3	28.5	25.4	24.0	22.9
85°	16.3	17.4	18.8	19.1	18.8	16.0	14.3	12.9	10.8	10.4	9.7
87.5°	4.2	4.9	5.2	4.9	4.5	3.5	2.4	1.7	0.7	0.7	0.3
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)