

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: P629894

Luminaire Tested: GWS-SA1C-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629894
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4117.5 lumens
Efficiency: N/A
Efficacy: 120.7 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

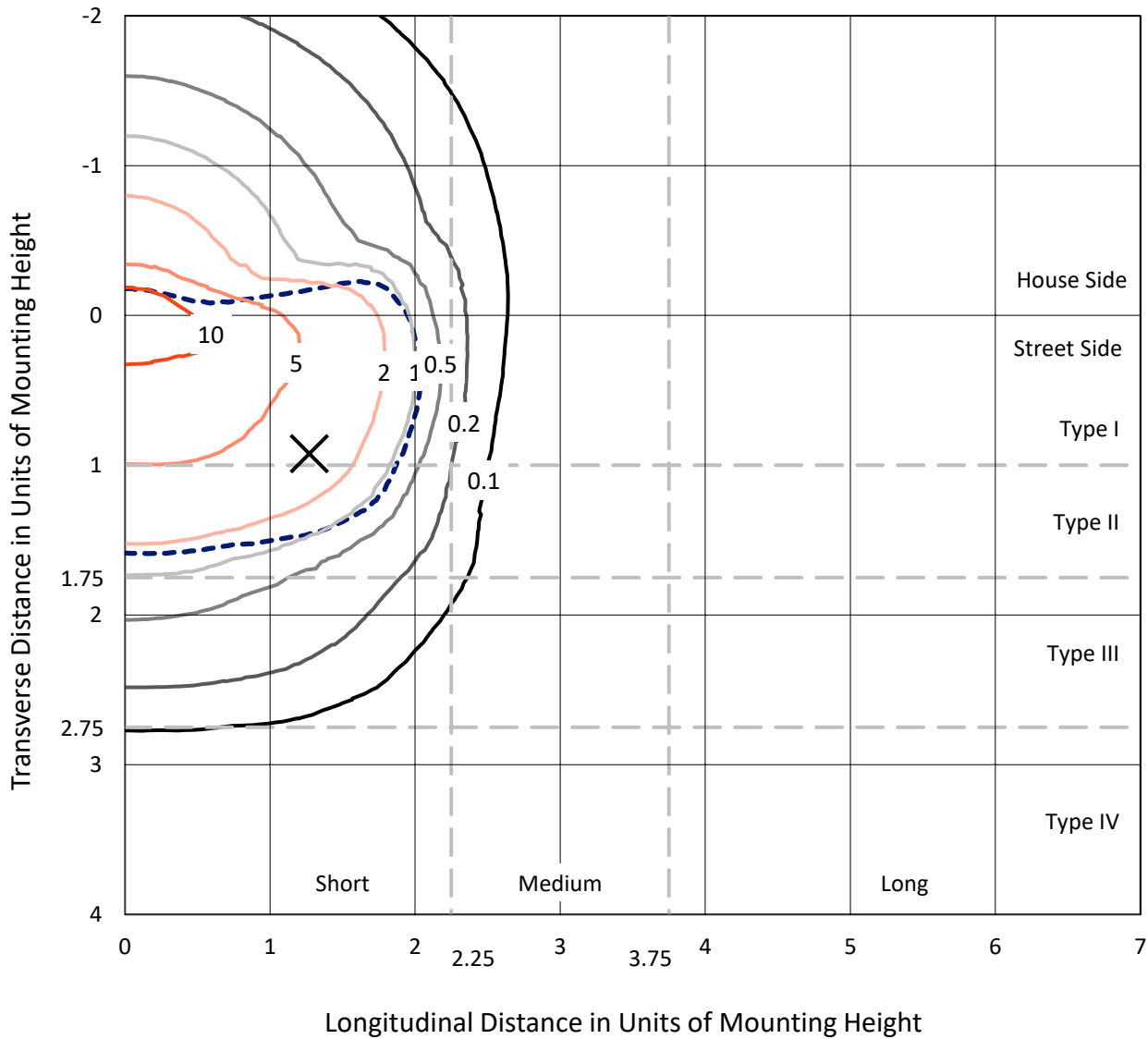
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

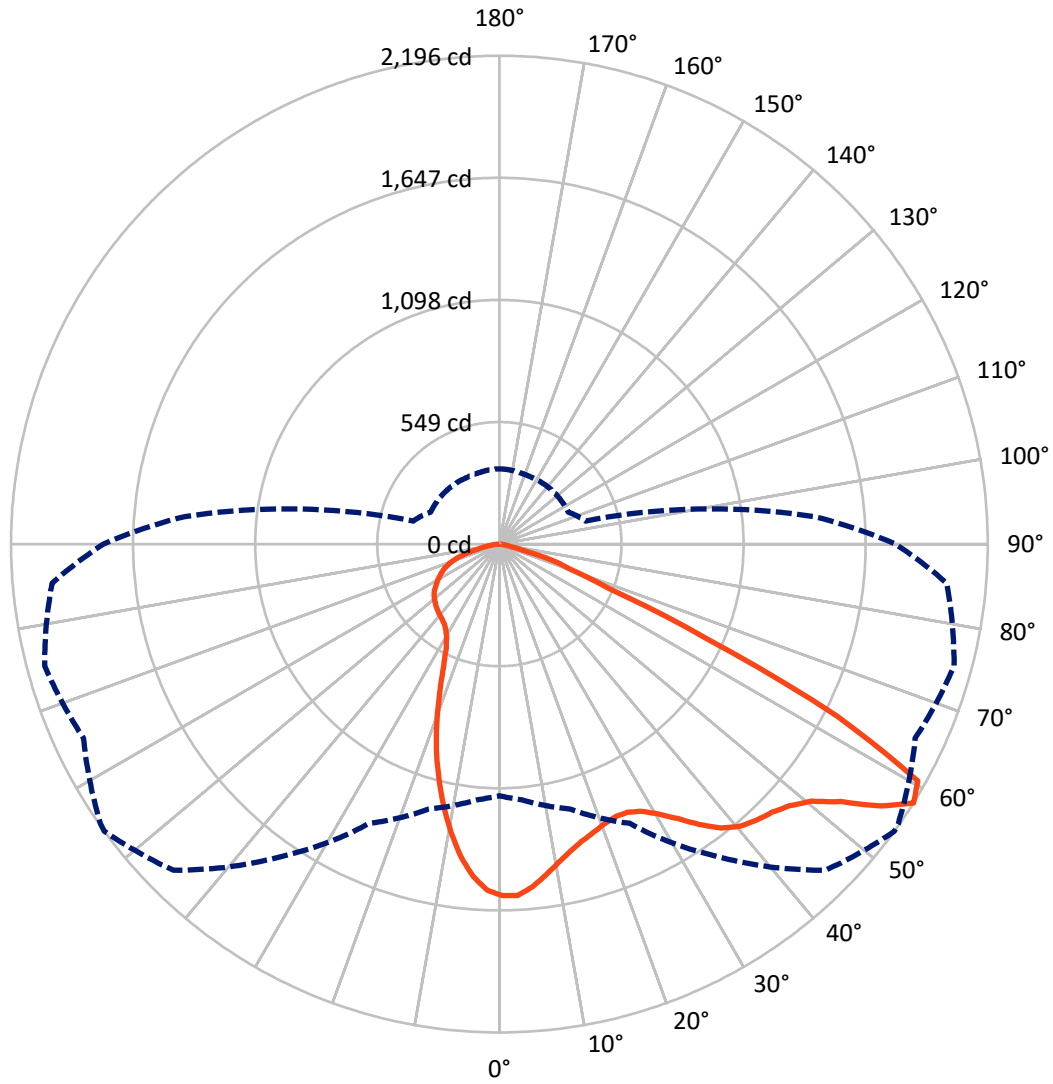
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 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	1197.0	0.0	1197.0
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	2920.5	0.0	2920.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	4117.5	0.0	4117.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.4
10°-20°	331.6	8.1
20°-30°	458.8	11.1
30°-40°	637.5	15.5
40°-50°	842.0	20.4
50°-60°	1000.6	24.3
60°-70°	554.3	13.5
70°-80°	138.0	3.4
80°-90°	15.7	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°	4117.5	100.0
0°-180°	4117.5	100.0

Coefficient of Utilization



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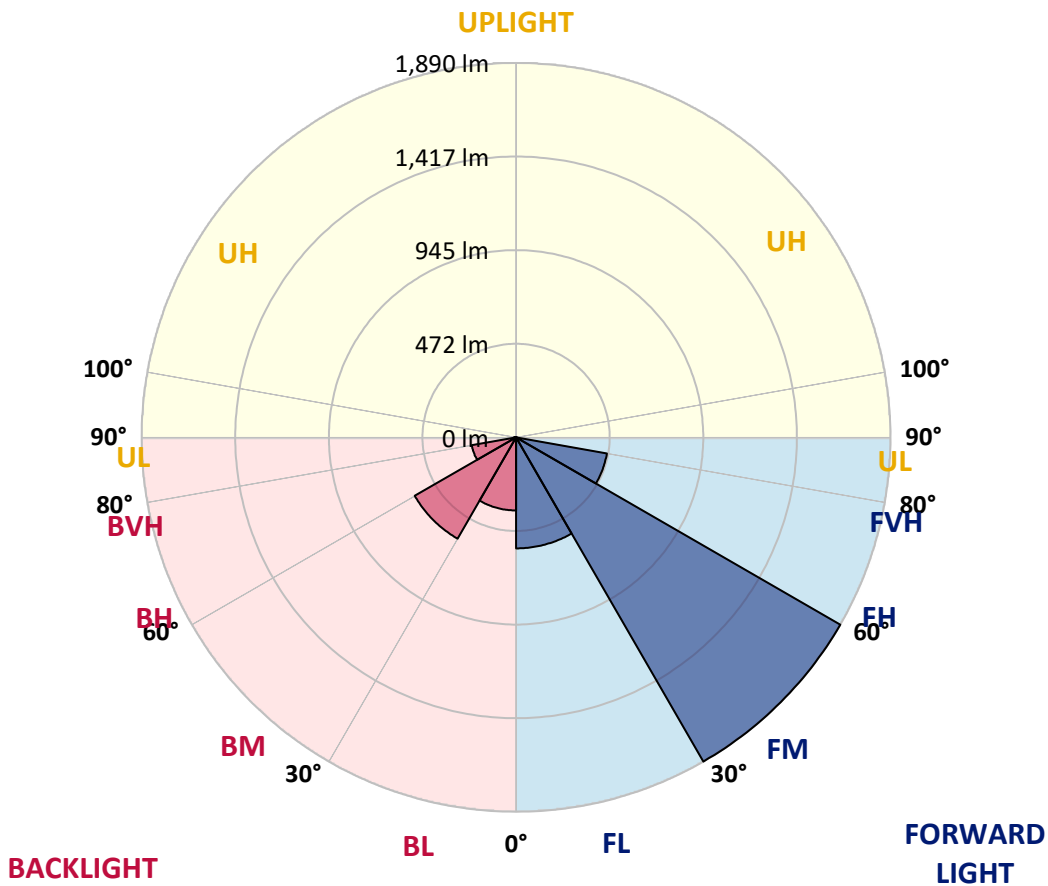
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.5	13.6			
FM (30°-60°)	1889.6	45.9			
FH (60°-80°)	465.5	11.3			G0/660
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	368.9	9.0	B1/500		
BM (30°-60°)	590.5	14.3	B1/1000		
BH (60°-80°)	226.8	5.5	B1/500		G1/500
BVH (80°-90°)	10.8	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°	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8
2.5°	1551.2	1554.4	1556.5	1563.9	1570.2	1575.9	1581.9	1581.9	1581.5	1580.4	1578.3
5°	1489.9	1493.4	1498.3	1508.5	1522.3	1532.2	1548.4	1549.8	1556.8	1559.7	1558.2
7.5°	1418.7	1419.7	1426.1	1439.5	1461.3	1478.9	1502.2	1505.0	1521.9	1531.8	1530.0
10°	1340.8	1337.2	1348.5	1368.3	1396.8	1426.4	1456.4	1458.8	1486.0	1504.7	1503.3
12.5°	1269.6	1269.9	1281.2	1305.2	1340.8	1377.4	1417.6	1423.3	1456.7	1480.7	1478.2
15°	1210.0	1211.4	1225.2	1252.3	1292.8	1336.5	1386.6	1391.9	1434.2	1465.9	1458.8
17.5°	1162.4	1163.8	1175.8	1206.8	1250.2	1303.1	1364.0	1369.3	1421.8	1459.6	1445.1
20°	1129.6	1128.9	1140.6	1170.2	1214.9	1272.4	1344.3	1352.1	1418.0	1462.0	1435.9
22.5°	1116.3	1115.9	1124.4	1148.7	1190.6	1248.8	1332.3	1342.9	1422.2	1472.9	1430.3
25°	1123.0	1121.5	1128.9	1146.9	1180.4	1239.6	1335.8	1347.1	1440.2	1495.5	1431.4
27.5°	1143.7	1142.0	1148.3	1164.5	1189.9	1249.1	1360.5	1373.6	1478.2	1536.7	1445.5
30°	1175.5	1174.4	1180.8	1196.3	1218.5	1280.9	1407.7	1422.5	1537.1	1600.9	1476.1
32.5°	1212.5	1210.7	1222.0	1240.0	1265.7	1338.7	1471.2	1490.6	1606.9	1683.4	1527.6
35°	1254.1	1252.7	1268.2	1294.2	1331.3	1419.0	1548.0	1569.2	1678.1	1776.8	1596.0
37.5°	1294.6	1294.6	1324.6	1363.3	1409.9	1506.4	1620.3	1633.7	1727.4	1859.6	1669.3
40°	1330.6	1332.7	1377.8	1435.9	1495.2	1585.4	1667.9	1679.1	1749.3	1916.7	1733.1
42.5°	1370.4	1372.1	1424.7	1500.8	1571.3	1649.2	1696.8	1702.4	1753.5	1945.2	1778.2
45°	1402.1	1404.6	1469.8	1551.2	1637.5	1697.1	1719.7	1724.6	1759.5	1960.8	1811.0
47.5°	1418.7	1422.2	1496.9	1591.7	1682.3	1740.1	1757.4	1759.5	1784.2	1987.9	1850.4
50°	1415.8	1422.9	1507.1	1611.8	1715.4	1783.5	1818.0	1821.5	1834.6	2027.7	1896.6
52.5°	1440.9	1444.0	1529.0	1635.8	1762.7	1863.5	1923.4	1928.3	1922.3	2057.7	1924.1
55°	1399.3	1414.4	1501.8	1632.3	1834.6	1987.2	2079.5	2077.1	2002.0	2091.2	1969.9
57.5°	1131.8	1154.0	1234.0	1385.5	1716.1	2073.9	2196.2	2190.2	2063.7	2116.9	2019.6
60°	783.5	787.1	859.3	966.8	1324.6	1832.1	2162.0	2175.1	2075.0	2084.5	1927.6
62.5°	626.7	625.6	632.3	635.1	842.4	1287.9	1706.6	1754.2	1723.9	1624.2	1366.2
65°	535.0	538.9	558.7	548.4	549.8	725.4	1019.7	1026.4	1005.2	969.3	722.6
67.5°	418.7	425.4	460.3	500.1	487.5	467.0	529.0	525.9	414.5	320.7	265.1
70°	262.2	266.5	303.8	392.6	424.4	383.5	340.1	338.7	222.1	182.6	200.2
72.5°	153.0	153.7	164.2	218.9	281.6	262.2	250.2	241.1	142.7	145.6	159.7
75°	84.2	84.2	83.9	94.5	111.0	98.3	95.2	92.7	95.5	108.2	118.8
77.5°	17.6	18.0	19.0	25.0	32.4	39.5	49.7	50.0	62.4	72.3	80.7
80°	8.1	8.5	10.6	13.4	17.3	22.9	30.3	30.7	37.7	45.5	51.1
82.5°	4.2	4.6	5.6	7.0	9.2	12.0	16.9	16.9	22.6	26.8	30.3
85°	1.4	1.4	2.1	2.8	3.9	4.9	6.7	6.7	9.9	13.0	15.2
87.5°	0.0	0.0	0.0	0.0	0.4	0.7	1.4	1.4	1.8	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°	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8
2.5°	1573.8	1562.8	1563.2	1565.3	1558.6	1548.4	1541.7	1533.2	1527.9	1526.9	1530.8
5°	1551.2	1538.5	1529.7	1520.5	1501.5	1478.9	1461.3	1446.9	1437.3	1433.8	1429.6
7.5°	1520.2	1503.6	1481.4	1455.7	1421.1	1381.0	1352.8	1326.3	1308.0	1302.7	1300.2
10°	1489.2	1465.2	1425.7	1377.8	1320.3	1266.1	1214.9	1175.8	1144.8	1127.2	1132.8
12.5°	1457.1	1427.5	1365.8	1292.1	1212.1	1130.4	1063.4	998.5	948.5	923.5	916.1
15°	1428.9	1388.7	1302.7	1203.0	1096.5	993.6	896.7	799.4	735.9	701.4	691.9
17.5°	1404.9	1352.8	1236.1	1112.0	984.8	838.2	719.0	628.8	585.4	566.4	565.0
20°	1381.3	1317.5	1170.2	1014.0	855.8	691.5	585.1	542.8	527.3	520.6	520.2
22.5°	1360.2	1280.5	1100.7	916.1	727.5	581.2	522.7	504.4	500.1	500.1	499.4
25°	1342.2	1243.5	1029.5	812.1	611.5	517.4	490.3	482.5	484.3	487.5	487.8
27.5°	1334.8	1214.6	960.8	705.3	531.5	480.4	468.1	467.0	471.9	476.9	477.6
30°	1342.5	1194.9	890.3	603.1	483.6	457.9	452.2	454.3	460.3	465.3	465.3
32.5°	1366.5	1185.0	818.4	528.3	455.7	442.0	440.2	442.3	446.9	449.7	450.1
35°	1407.0	1188.9	744.1	477.9	437.8	430.4	430.0	431.4	433.2	434.9	435.3
37.5°	1458.1	1206.1	664.4	448.7	426.1	421.9	421.2	420.8	421.2	421.2	421.5
40°	1508.2	1232.2	593.2	431.4	418.0	414.5	412.7	410.3	409.9	409.2	408.9
42.5°	1545.2	1252.3	536.5	419.1	410.6	406.4	404.3	400.4	400.0	399.7	399.3
45°	1573.0	1269.2	489.2	407.1	402.9	399.0	394.4	390.9	391.6	392.3	392.3
47.5°	1604.4	1284.0	454.7	395.8	393.4	389.5	383.8	381.4	383.8	386.3	386.3
50°	1642.5	1304.8	426.5	384.5	383.5	378.9	374.0	372.9	375.7	379.3	379.3
52.5°	1670.3	1322.8	406.4	373.3	373.3	367.3	363.0	362.7	365.9	369.4	369.7
55°	1722.5	1364.7	399.3	360.2	358.8	354.2	351.1	348.6	352.5	355.6	355.6
57.5°	1781.4	1420.4	401.1	341.5	339.8	338.4	335.9	333.1	334.1	337.7	338.0
60°	1656.6	1312.6	381.7	322.9	321.8	321.1	317.9	313.0	314.4	317.2	317.6
62.5°	1157.1	872.3	308.8	299.6	303.1	302.8	298.5	292.9	293.3	297.1	297.1
65°	600.6	471.9	271.0	278.4	283.7	281.6	274.6	269.6	268.9	273.9	272.8
67.5°	259.1	257.7	246.7	256.2	261.9	257.3	249.9	241.8	242.5	244.3	242.8
70°	208.7	215.0	219.6	229.8	234.4	225.9	217.8	213.2	209.4	209.0	206.5
72.5°	166.7	175.5	185.7	196.3	197.7	189.3	179.1	174.8	168.8	168.5	166.0
75°	125.5	132.9	141.0	149.4	149.4	141.3	134.6	132.5	125.5	123.4	121.2
77.5°	85.6	90.2	96.6	98.7	100.8	97.6	90.9	87.4	79.3	77.2	74.4
80°	53.9	57.1	61.0	62.4	64.5	60.6	55.3	51.5	45.8	44.1	42.6
82.5°	32.4	34.5	37.0	37.7	39.5	36.7	31.7	28.9	25.7	24.3	23.3
85°	16.6	17.6	19.0	19.4	19.0	16.2	14.5	13.0	10.9	10.6	9.9
87.5°	4.2	4.9	5.3	4.9	4.6	3.5	2.5	1.8	0.7	0.7	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)