

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: P629841

Luminaire Tested: GWS-SA1C-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629841
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4025.3 lumens
Efficiency: N/A
Efficacy: 118.0 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

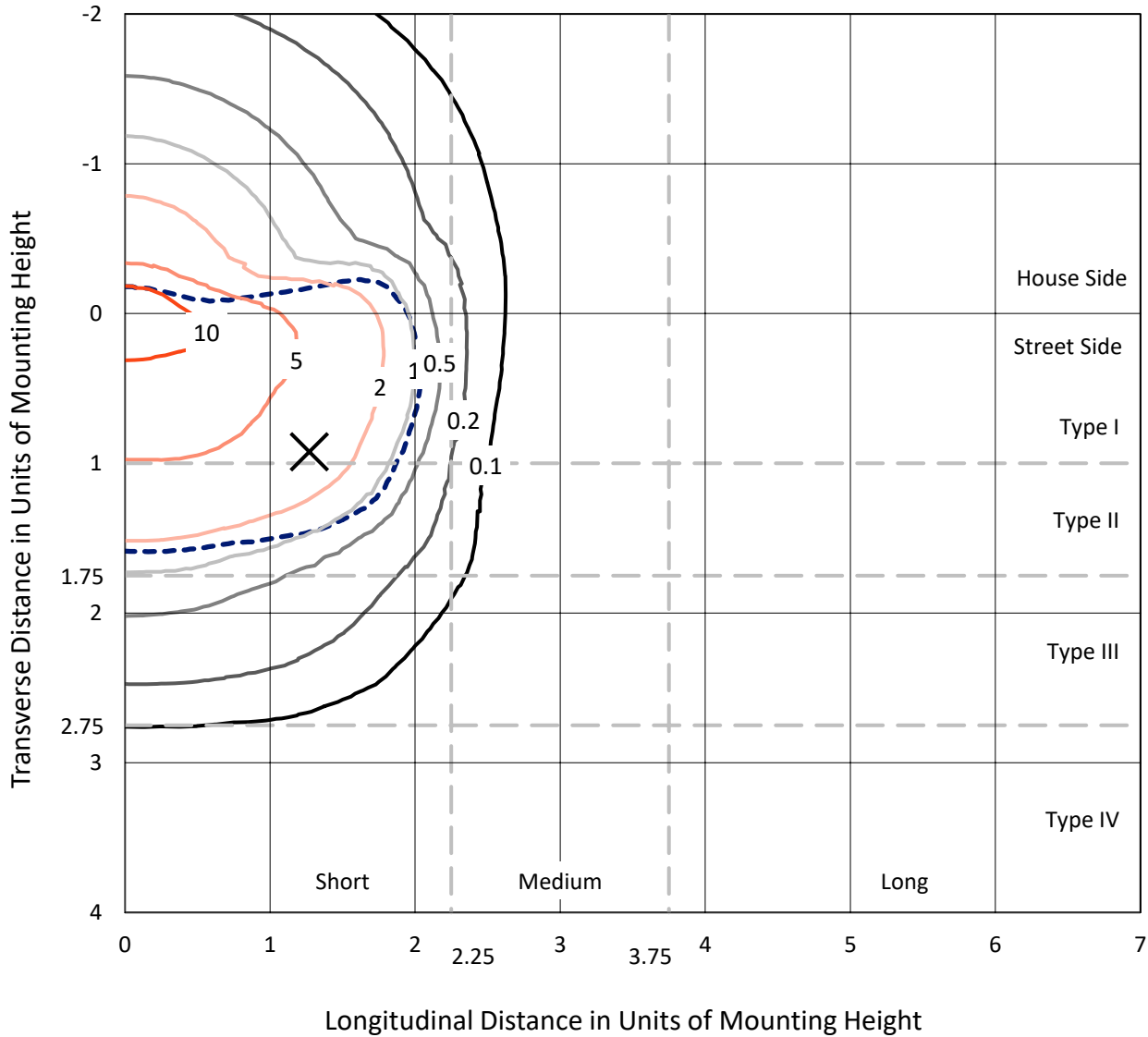
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

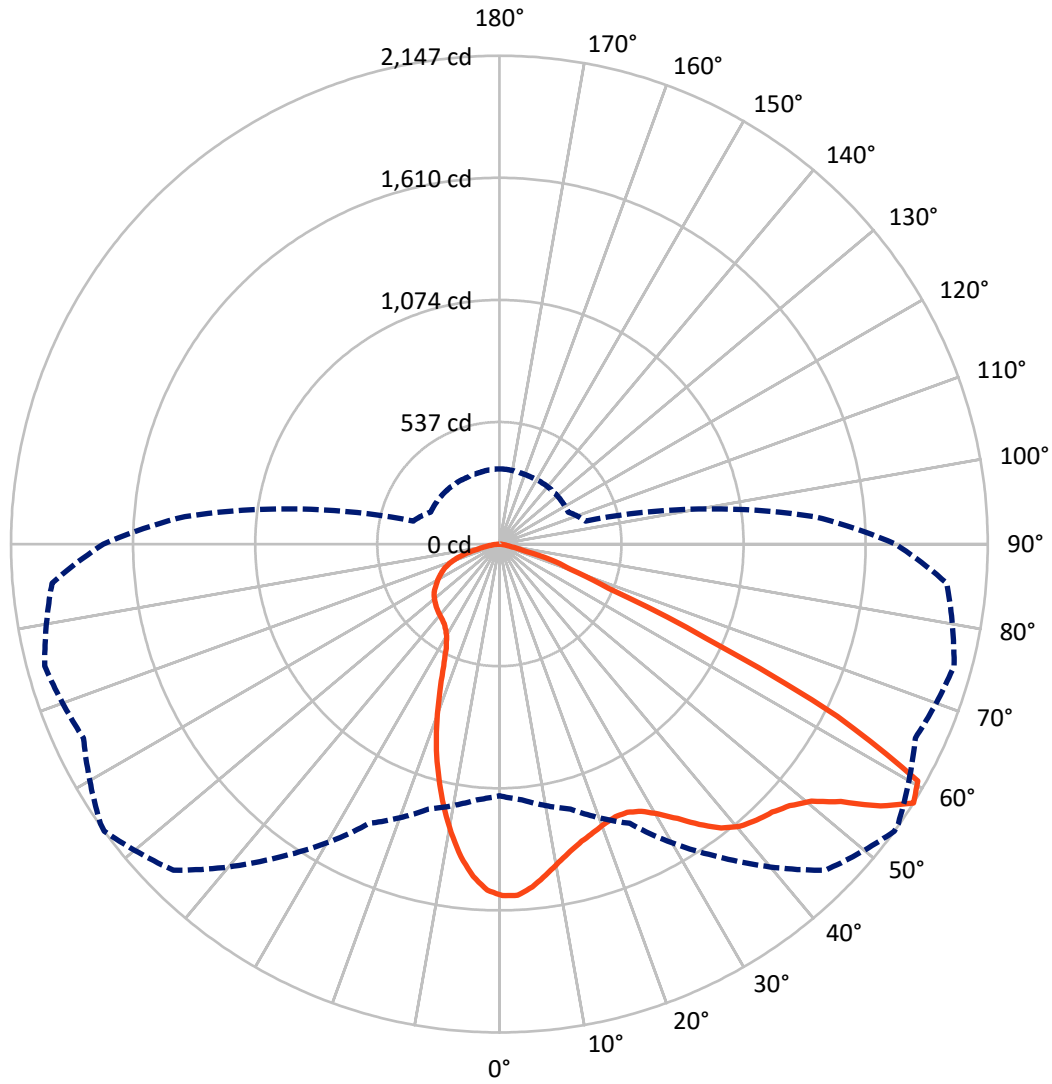
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 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	1170.2	0.0	1170.2
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	2855.1	0.0	2855.1
	% Fixture	70.9	0.0	70.9
Total	Lumens	4025.3	0.0	4025.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	3.4
10°-20°	324.1	8.1
20°-30°	448.5	11.1
30°-40°	623.3	15.5
40°-50°	823.1	20.4
50°-60°	978.2	24.3
60°-70°	541.9	13.5
70°-80°	134.9	3.4
80°-90°	15.3	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°	4025.3	100.0
0°-180°	4025.3	100.0

Coefficient of Utilization



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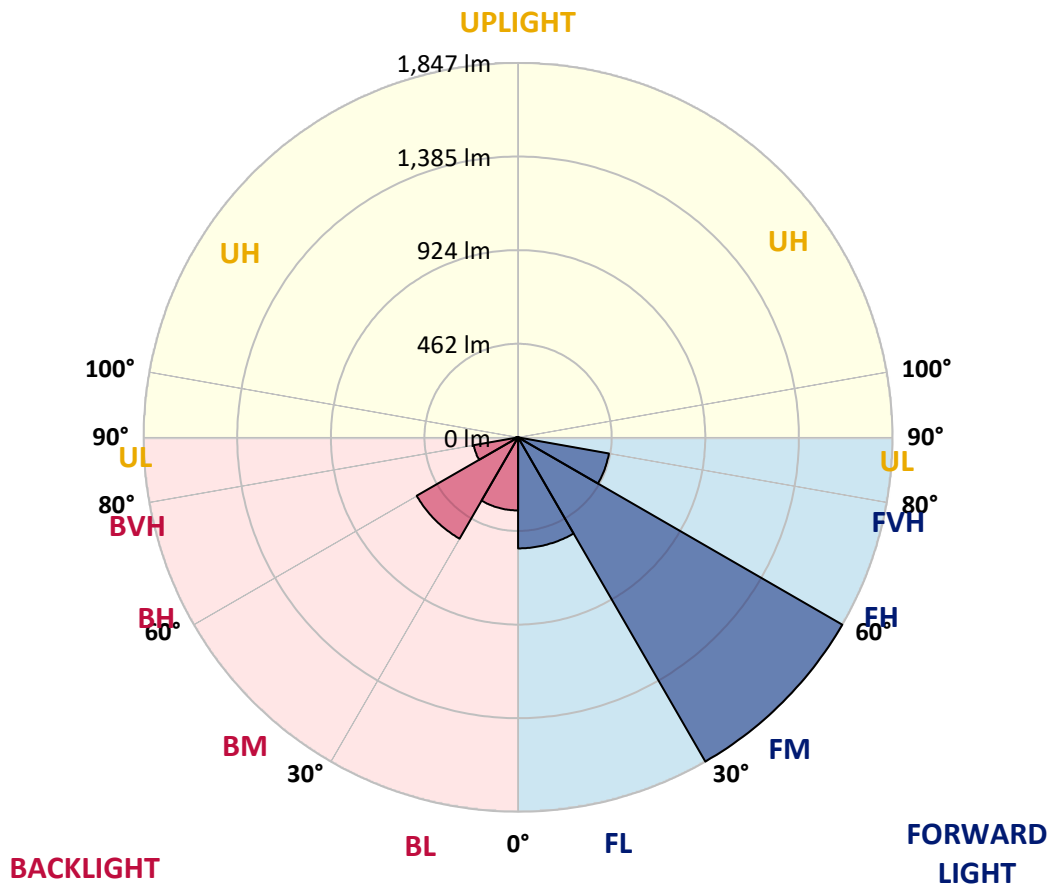
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.9	13.6			
FM (30°-60°)	1847.3	45.9			
FH (60°-80°)	455.1	11.3			G0/660
FVH (80°-90°)	4.8	0.1			G0/10
BL (0°-30°)	360.6	9.0	B1/500		
BM (30°-60°)	577.3	14.3	B1/1000		
BH (60°-80°)	221.8	5.5	B1/500		G1/500
BVH (80°-90°)	10.5	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°	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4
2.5°	1516.5	1519.6	1521.6	1528.9	1535.1	1540.6	1546.4	1546.4	1546.1	1545.1	1543.0
5°	1456.5	1460.0	1464.8	1474.8	1488.2	1497.9	1513.7	1515.1	1522.0	1524.7	1523.4
7.5°	1386.9	1387.9	1394.1	1407.2	1428.6	1445.8	1468.6	1471.3	1487.9	1497.5	1495.8
10°	1310.8	1307.3	1318.3	1337.6	1365.5	1394.5	1423.8	1426.2	1452.7	1471.0	1469.6
12.5°	1241.1	1241.5	1252.5	1275.9	1310.8	1346.6	1385.9	1391.4	1424.1	1447.5	1445.1
15°	1182.9	1184.3	1197.7	1224.3	1263.9	1306.6	1355.5	1360.7	1402.1	1433.1	1426.2
17.5°	1136.4	1137.8	1149.5	1179.8	1222.2	1273.9	1333.5	1338.7	1390.0	1426.9	1412.7
20°	1104.4	1103.7	1115.0	1144.0	1187.7	1243.9	1314.2	1321.8	1386.2	1429.3	1403.8
22.5°	1091.3	1090.9	1099.2	1123.0	1164.0	1220.8	1302.5	1312.8	1390.3	1440.0	1398.3
25°	1097.8	1096.4	1103.7	1121.2	1154.0	1211.9	1305.9	1317.0	1407.9	1462.0	1399.3
27.5°	1118.1	1116.4	1122.6	1138.5	1163.3	1221.2	1330.0	1342.8	1445.1	1502.3	1413.1
30°	1149.1	1148.1	1154.3	1169.5	1191.2	1252.2	1376.2	1390.7	1502.7	1565.0	1443.1
32.5°	1185.3	1183.6	1194.6	1212.2	1237.4	1308.7	1438.2	1457.2	1570.9	1645.7	1493.4
35°	1226.0	1224.6	1239.8	1265.3	1301.4	1387.2	1513.4	1534.0	1640.5	1737.0	1560.2
37.5°	1265.6	1265.6	1294.9	1332.8	1378.3	1472.7	1584.0	1597.1	1688.7	1818.0	1631.9
40°	1300.8	1302.8	1346.9	1403.8	1461.7	1549.9	1630.5	1641.5	1710.1	1873.8	1694.3
42.5°	1339.7	1341.4	1392.8	1467.2	1536.1	1612.3	1658.8	1664.3	1714.2	1901.7	1738.4
45°	1370.7	1373.1	1436.9	1516.5	1600.9	1659.1	1681.2	1686.0	1720.1	1916.9	1770.4
47.5°	1386.9	1390.3	1463.4	1556.1	1644.6	1701.2	1718.0	1720.1	1744.2	1943.4	1809.0
50°	1384.1	1391.0	1473.4	1575.7	1677.0	1743.5	1777.3	1780.7	1793.5	1982.3	1854.1
52.5°	1408.6	1411.7	1494.8	1599.2	1723.2	1821.8	1880.3	1885.2	1879.3	2011.6	1881.0
55°	1367.9	1382.8	1468.2	1595.7	1793.5	1942.7	2033.0	2030.6	1957.2	2044.3	1925.8
57.5°	1106.4	1128.1	1206.3	1354.5	1677.7	2027.5	2147.0	2141.2	2017.5	2069.5	1974.4
60°	766.0	769.4	840.1	945.2	1294.9	1791.1	2113.6	2126.4	2028.5	2037.8	1884.5
62.5°	612.6	611.6	618.2	620.9	823.5	1259.1	1668.4	1714.9	1685.3	1587.8	1335.6
65°	523.1	526.9	546.1	536.2	537.5	709.1	996.8	1003.4	982.7	947.6	706.4
67.5°	409.4	415.9	450.0	488.9	476.5	456.6	517.2	514.1	405.2	313.6	259.1
70°	256.4	260.5	297.0	383.9	414.9	374.9	332.5	331.1	217.1	178.5	195.7
72.5°	149.5	150.2	160.6	214.0	275.3	256.4	244.6	235.7	139.6	142.3	156.1
75°	82.4	82.4	82.0	92.3	108.5	96.1	93.0	90.6	93.4	105.8	116.1
77.5°	17.2	17.6	18.6	24.5	31.7	38.6	48.6	48.9	61.0	70.6	78.9
80°	7.9	8.3	10.3	13.1	16.9	22.4	29.6	30.0	36.9	44.4	50.0
82.5°	4.1	4.5	5.5	6.9	9.0	11.7	16.5	16.5	22.1	26.2	29.6
85°	1.4	1.4	2.1	2.8	3.8	4.8	6.5	6.5	9.6	12.7	14.8
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	1.4	1.4	1.7	2.1	3.4
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°	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4
2.5°	1538.5	1527.8	1528.2	1530.2	1523.7	1513.7	1507.2	1498.9	1493.7	1492.7	1496.5
5°	1516.5	1504.1	1495.4	1486.5	1467.9	1445.8	1428.6	1414.5	1405.2	1401.7	1397.6
7.5°	1486.1	1469.9	1448.2	1423.1	1389.3	1350.0	1322.5	1296.6	1278.7	1273.5	1271.1
10°	1455.8	1432.4	1393.8	1346.9	1290.8	1237.7	1187.7	1149.5	1119.2	1101.9	1107.5
12.5°	1424.5	1395.5	1335.2	1263.2	1185.0	1105.0	1039.6	976.2	927.2	902.8	895.5
15°	1396.9	1357.6	1273.5	1176.0	1072.0	971.3	876.6	781.5	719.5	685.7	676.4
17.5°	1373.5	1322.5	1208.4	1087.1	962.7	819.4	702.9	614.7	572.3	553.7	552.3
20°	1350.4	1288.0	1144.0	991.3	836.6	676.0	572.0	530.6	515.5	508.9	508.6
22.5°	1329.7	1251.8	1076.1	895.5	711.2	568.2	511.0	493.1	488.9	488.9	488.3
25°	1312.1	1215.6	1006.5	793.9	597.8	505.8	479.3	471.7	473.4	476.5	476.9
27.5°	1304.9	1187.4	939.3	689.5	519.6	469.7	457.6	456.6	461.4	466.2	466.9
30°	1312.5	1168.1	870.4	589.6	472.8	447.6	442.1	444.2	450.0	454.8	454.8
32.5°	1335.9	1158.5	800.1	516.5	445.5	432.1	430.4	432.4	436.9	439.7	440.0
35°	1375.5	1162.2	727.4	467.2	428.0	420.7	420.4	421.8	423.5	425.2	425.5
37.5°	1425.5	1179.1	649.5	438.6	416.6	412.5	411.8	411.4	411.8	411.8	412.1
40°	1474.4	1204.6	579.9	421.8	408.7	405.2	403.5	401.1	400.7	400.0	399.7
42.5°	1510.6	1224.3	524.4	409.7	401.4	397.3	395.2	391.4	391.1	390.7	390.4
45°	1537.8	1240.8	478.3	398.0	393.8	390.1	385.6	382.1	382.8	383.5	383.5
47.5°	1568.5	1255.3	444.5	387.0	384.5	380.8	375.2	372.8	375.2	377.7	377.7
50°	1605.7	1275.6	416.9	375.9	374.9	370.4	365.6	364.6	367.3	370.8	370.8
52.5°	1632.9	1293.2	397.3	364.9	364.9	359.0	354.9	354.6	357.7	361.1	361.5
55°	1683.9	1334.2	390.4	352.2	350.8	346.3	343.2	340.8	344.6	347.7	347.7
57.5°	1741.5	1388.6	392.1	333.9	332.2	330.8	328.4	325.6	326.7	330.1	330.4
60°	1619.5	1283.2	373.2	315.6	314.6	313.9	310.8	306.0	307.4	310.1	310.5
62.5°	1131.2	852.8	301.8	292.9	296.3	296.0	291.9	286.3	286.7	290.5	290.5
65°	587.2	461.4	265.0	272.2	277.4	275.3	268.4	263.6	262.9	267.7	266.7
67.5°	253.3	251.9	241.2	250.5	256.0	251.5	244.3	236.4	237.1	238.8	237.4
70°	204.0	210.2	214.7	224.7	229.1	220.9	212.9	208.5	204.7	204.3	201.9
72.5°	163.0	171.6	181.6	191.9	193.3	185.0	175.0	170.9	165.0	164.7	162.3
75°	122.7	129.9	137.8	146.1	146.1	138.2	131.6	129.6	122.7	120.6	118.5
77.5°	83.7	88.2	94.4	96.5	98.5	95.4	88.9	85.5	77.5	75.5	72.7
80°	52.7	55.8	59.6	61.0	63.1	59.3	54.1	50.3	44.8	43.1	41.7
82.5°	31.7	33.8	36.2	36.9	38.6	35.8	31.0	28.3	25.2	23.8	22.7
85°	16.2	17.2	18.6	19.0	18.6	15.9	14.1	12.7	10.7	10.3	9.6
87.5°	4.1	4.8	5.2	4.8	4.5	3.4	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)