

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: P630605

Luminaire Tested: GWS-SA1E-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630605
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-SA1E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4753.9 lumens
Efficiency: N/A
Efficacy: 81.4 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

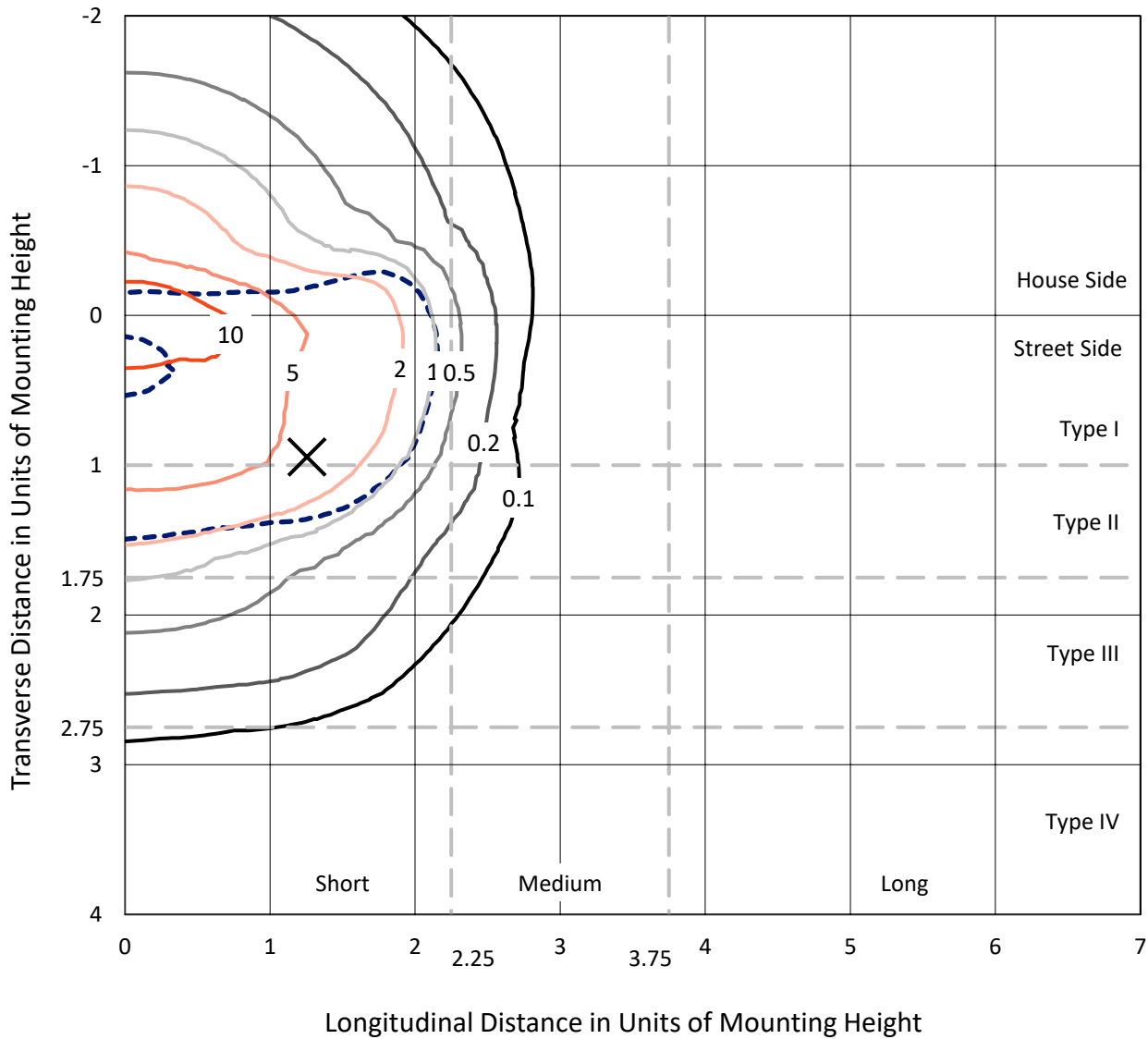
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

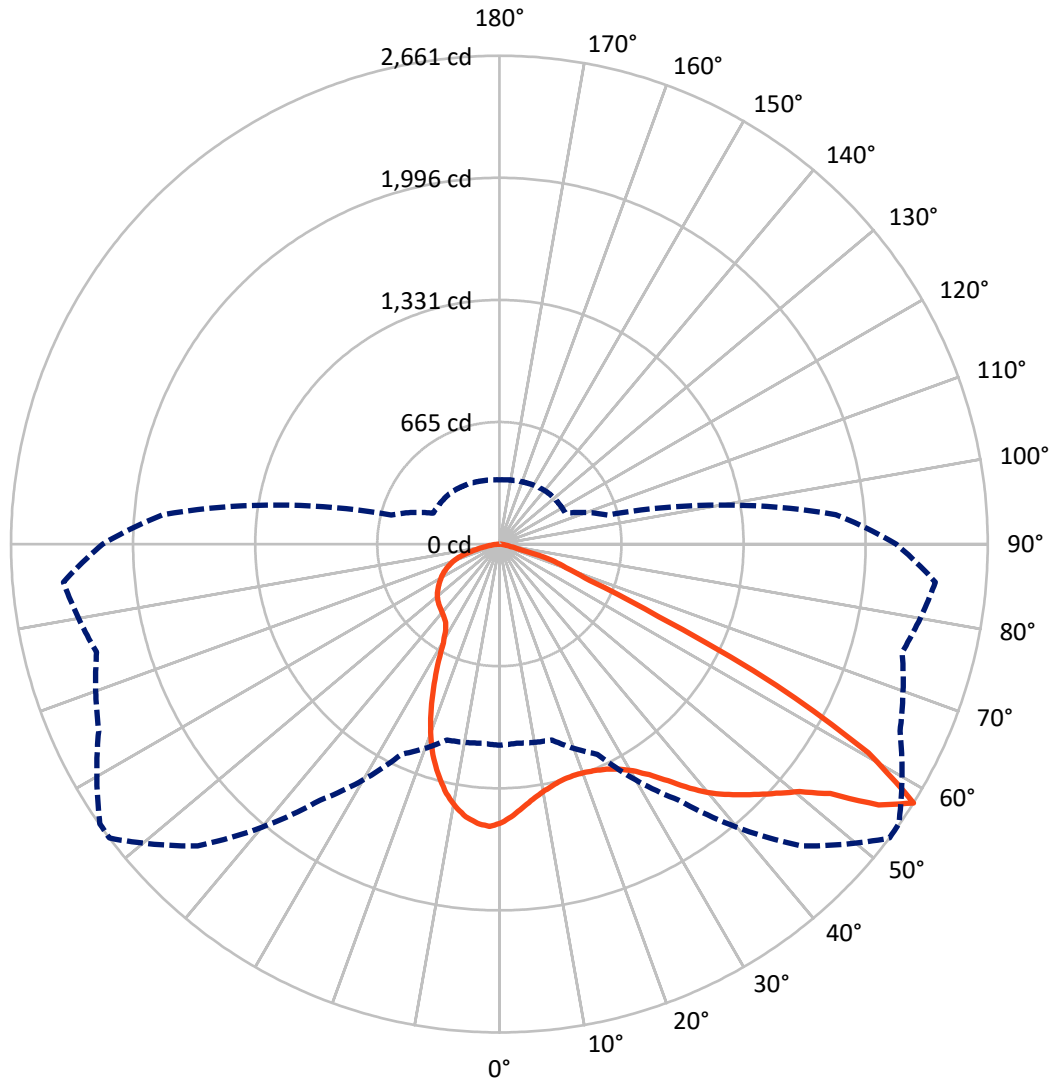
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 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	1486.4	0.0	1486.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	3267.5	0.0	3267.5
	% Fixture	68.7	0.0	68.7
Total	Lumens	4753.9	0.0	4753.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	2.9
10°-20°	360.2	7.6
20°-30°	530.6	11.2
30°-40°	742.7	15.6
40°-50°	976.4	20.5
50°-60°	1144.8	24.1
60°-70°	674.4	14.2
70°-80°	167.8	3.5
80°-90°	19.7	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°	4753.9	100.0
0°-180°	4753.9	100.0

Coefficient of Utilization



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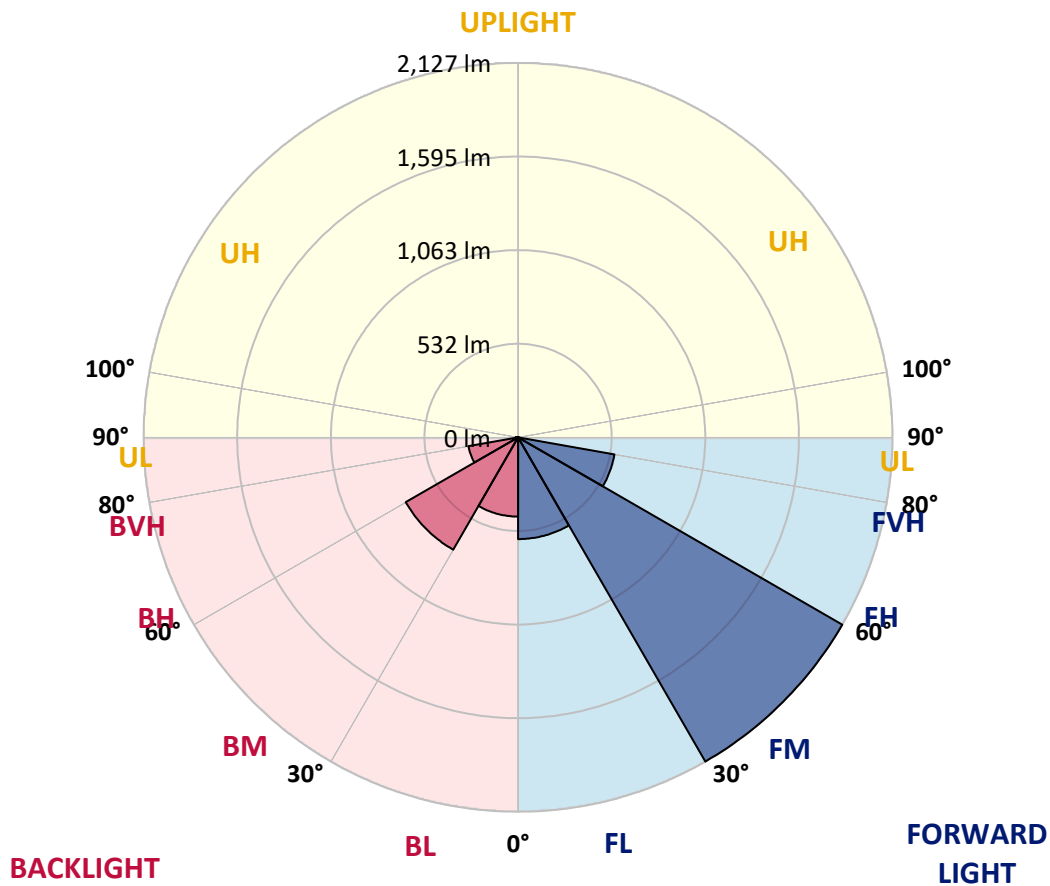
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.0	12.2			
FM (30°-60°)	2126.9	44.7			
FH (60°-80°)	556.0	11.7			G0/660
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	450.1	9.5	B1/500		
BM (30°-60°)	737.0	15.5	B1/1000		
BH (60°-80°)	286.2	6.0	B1/500		G1/500
BVH (80°-90°)	13.1	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°	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0
2.5°	1430.8	1434.8	1435.6	1448.0	1448.8	1466.8	1478.8	1476.4	1488.8	1504.0	1516.0
5°	1362.4	1362.8	1366.8	1381.6	1389.6	1413.2	1433.2	1433.2	1457.2	1488.4	1515.2
7.5°	1306.0	1305.6	1309.2	1325.6	1338.8	1367.2	1394.4	1397.6	1431.2	1476.8	1520.4
10°	1253.6	1256.4	1260.4	1280.4	1297.2	1332.4	1364.8	1370.0	1412.4	1468.8	1527.7
12.5°	1220.0	1220.4	1226.4	1248.8	1270.4	1308.0	1342.0	1348.4	1397.2	1461.2	1532.9
15°	1198.4	1198.8	1205.2	1230.0	1255.2	1293.2	1328.0	1335.2	1388.4	1460.0	1542.9
17.5°	1188.8	1188.4	1194.4	1219.2	1246.8	1286.4	1323.6	1332.4	1392.4	1469.2	1560.5
20°	1188.8	1189.2	1192.4	1214.8	1242.8	1284.8	1328.0	1338.8	1408.0	1490.0	1587.7
22.5°	1205.6	1207.2	1208.8	1224.0	1246.0	1287.2	1339.6	1354.0	1441.6	1524.9	1623.3
25°	1238.4	1238.8	1240.4	1252.8	1262.8	1294.0	1358.8	1380.4	1494.0	1575.7	1668.1
27.5°	1282.4	1288.0	1289.6	1297.6	1297.6	1310.8	1388.8	1420.0	1564.9	1648.9	1725.3
30°	1344.0	1346.0	1348.8	1357.6	1348.0	1342.4	1432.8	1472.8	1646.9	1737.3	1794.1
32.5°	1398.0	1402.4	1417.6	1432.0	1414.8	1397.2	1497.6	1544.9	1725.7	1829.3	1867.4
35°	1444.0	1454.8	1484.0	1516.0	1504.0	1486.4	1583.7	1632.9	1790.5	1895.4	1932.2
37.5°	1499.6	1508.0	1548.1	1600.1	1610.9	1602.5	1688.5	1723.7	1833.7	1912.2	1967.4
40°	1556.1	1568.9	1620.5	1692.5	1733.7	1739.7	1785.3	1808.9	1848.5	1879.4	1960.6
42.5°	1613.7	1635.7	1706.5	1790.5	1863.8	1877.4	1867.0	1877.0	1843.7	1834.1	1929.0
45°	1684.1	1710.1	1790.1	1897.4	1993.8	2015.0	1947.0	1937.8	1842.9	1816.9	1909.4
47.5°	1767.3	1793.3	1869.8	1994.6	2117.8	2133.4	2029.0	2012.2	1871.0	1843.3	1935.8
50°	1840.9	1858.9	1927.4	2067.0	2233.5	2242.7	2119.4	2099.0	1940.6	1916.6	2018.2
52.5°	1766.1	1764.1	1836.1	2008.2	2293.5	2404.3	2258.7	2239.1	2075.0	2038.2	2145.8
55°	1498.4	1475.6	1540.1	1709.3	2125.8	2548.0	2508.3	2469.1	2254.3	2160.6	2265.5
57.5°	1095.5	1089.1	1104.7	1263.6	1702.9	2325.5	2661.2	2657.6	2409.1	2272.7	2384.7
60°	856.7	847.1	805.4	809.8	1160.7	1816.5	2309.5	2415.5	2505.1	2339.9	2467.9
62.5°	760.6	753.4	731.8	672.2	691.4	1218.0	1692.9	1790.1	2189.0	2066.6	2119.8
65°	629.8	627.8	645.8	643.4	579.4	672.6	955.5	1053.5	1376.4	1393.6	1376.4
67.5°	457.7	454.1	499.7	589.8	557.8	507.8	532.6	566.6	705.8	633.8	570.6
70°	297.7	292.5	318.9	426.1	499.3	442.5	383.7	378.1	388.1	241.3	260.9
72.5°	199.7	193.7	193.3	234.5	301.7	298.1	297.3	294.5	262.9	190.5	211.3
75°	111.2	106.4	105.2	101.2	108.0	110.0	117.2	121.2	131.2	144.4	160.0
77.5°	18.8	18.4	23.2	29.6	40.8	52.4	64.8	68.4	84.4	100.0	110.0
80°	10.4	10.8	14.0	17.2	22.8	31.2	40.0	42.4	52.0	60.4	68.4
82.5°	5.6	5.6	7.2	9.2	12.4	16.4	21.6	23.6	30.0	35.2	40.8
85°	2.0	2.0	2.8	3.6	5.2	6.8	8.4	9.6	13.2	18.0	20.4
87.5°	0.0	0.0	0.0	0.0	0.4	0.8	1.6	1.6	2.0	3.6	5.2
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°	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0	1518.0
2.5°	1526.1	1515.2	1530.1	1536.9	1539.3	1540.9	1530.5	1523.3	1520.8	1513.2	1508.8
5°	1531.7	1524.5	1538.5	1538.5	1528.5	1518.0	1496.8	1482.0	1471.6	1459.2	1457.2
7.5°	1541.3	1536.1	1543.7	1528.1	1502.8	1474.8	1438.0	1409.2	1386.0	1370.8	1371.2
10°	1554.1	1547.7	1541.7	1506.8	1460.8	1409.2	1352.8	1310.8	1272.4	1254.8	1245.2
12.5°	1562.5	1553.3	1528.1	1470.4	1402.8	1333.6	1254.0	1191.6	1135.9	1110.7	1108.7
15°	1572.9	1556.1	1505.6	1423.2	1329.2	1234.8	1132.3	1045.5	970.3	931.1	929.1
17.5°	1586.5	1558.9	1478.8	1369.2	1251.6	1112.3	983.5	874.3	794.2	763.8	769.0
20°	1605.7	1562.1	1448.4	1309.2	1155.1	973.1	812.6	712.2	681.4	679.4	675.4
22.5°	1627.3	1564.1	1414.8	1242.0	1038.3	824.6	671.4	628.6	628.2	638.2	640.6
25°	1651.7	1565.7	1376.8	1163.5	911.9	676.6	593.8	581.0	591.0	609.8	612.2
27.5°	1682.9	1568.9	1330.8	1077.5	777.4	584.6	551.0	547.8	559.8	577.4	576.6
30°	1728.9	1580.5	1282.0	978.7	639.4	541.0	525.0	525.4	530.2	538.6	539.8
32.5°	1775.7	1598.5	1234.4	867.5	560.2	516.2	509.0	508.2	508.2	511.8	512.6
35°	1820.1	1618.9	1182.7	751.4	521.8	501.7	496.9	494.5	493.3	492.5	491.3
37.5°	1844.9	1628.9	1132.3	637.0	501.3	492.1	487.3	484.1	479.7	476.5	475.7
40°	1834.1	1617.3	1073.9	551.4	488.9	482.9	477.3	472.9	466.9	464.1	462.5
42.5°	1798.1	1581.3	1010.3	511.0	478.9	472.9	466.1	458.9	454.9	452.5	452.1
45°	1760.1	1537.7	933.5	487.3	469.3	462.1	454.1	446.1	441.7	440.5	440.1
47.5°	1758.9	1516.0	851.9	468.5	457.7	450.5	440.5	432.5	427.7	426.1	424.5
50°	1811.7	1538.1	759.8	452.1	445.7	438.1	426.9	418.1	412.1	410.1	409.7
52.5°	1921.4	1620.9	677.4	435.7	429.7	420.9	411.7	402.9	395.7	392.1	391.7
55°	2039.8	1726.1	626.2	418.9	410.9	403.3	394.9	385.3	377.3	371.7	370.9
57.5°	2162.2	1840.9	610.6	397.7	391.7	386.5	376.5	366.1	356.9	351.7	350.5
60°	2263.1	1939.8	639.8	375.3	372.1	365.3	356.1	346.1	339.7	335.7	334.9
62.5°	1894.6	1579.3	516.6	350.9	350.9	343.7	333.3	326.1	321.7	318.9	318.1
65°	1202.4	977.9	352.5	326.5	326.1	316.5	307.7	302.9	300.9	296.5	295.7
67.5°	523.8	446.9	301.3	301.7	300.1	289.7	280.9	277.3	273.3	268.5	268.1
70°	271.7	276.9	269.7	274.1	271.3	258.9	250.5	244.9	236.5	231.7	232.1
72.5°	219.3	224.9	232.9	239.7	233.7	223.7	210.5	203.7	192.9	187.7	188.1
75°	167.2	173.3	180.9	188.1	183.3	170.9	162.4	155.6	143.2	137.2	138.4
77.5°	115.2	118.4	127.6	127.2	125.6	122.0	109.6	101.6	88.8	81.6	82.4
80°	71.6	73.6	78.0	80.0	79.2	74.4	64.4	58.4	50.8	46.4	46.8
82.5°	43.2	44.4	48.4	48.8	48.4	44.8	37.2	32.8	28.0	25.6	25.6
85°	22.0	22.8	25.2	25.2	22.8	19.2	17.2	15.2	12.4	11.2	11.2
87.5°	6.0	6.0	7.6	6.4	5.2	4.8	2.4	2.0	0.8	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)