

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: P630602

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 4920.4 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

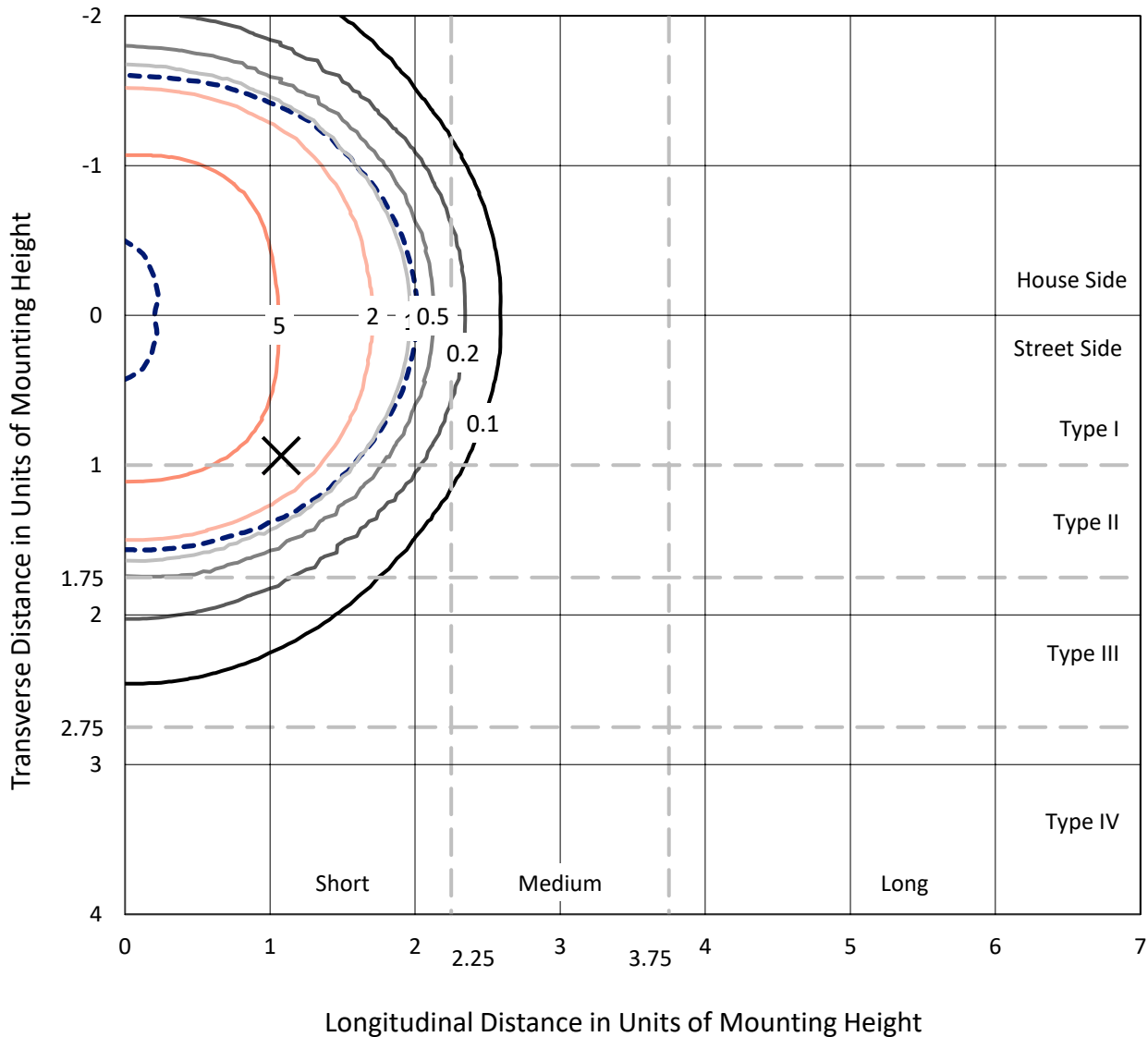
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630602
 CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

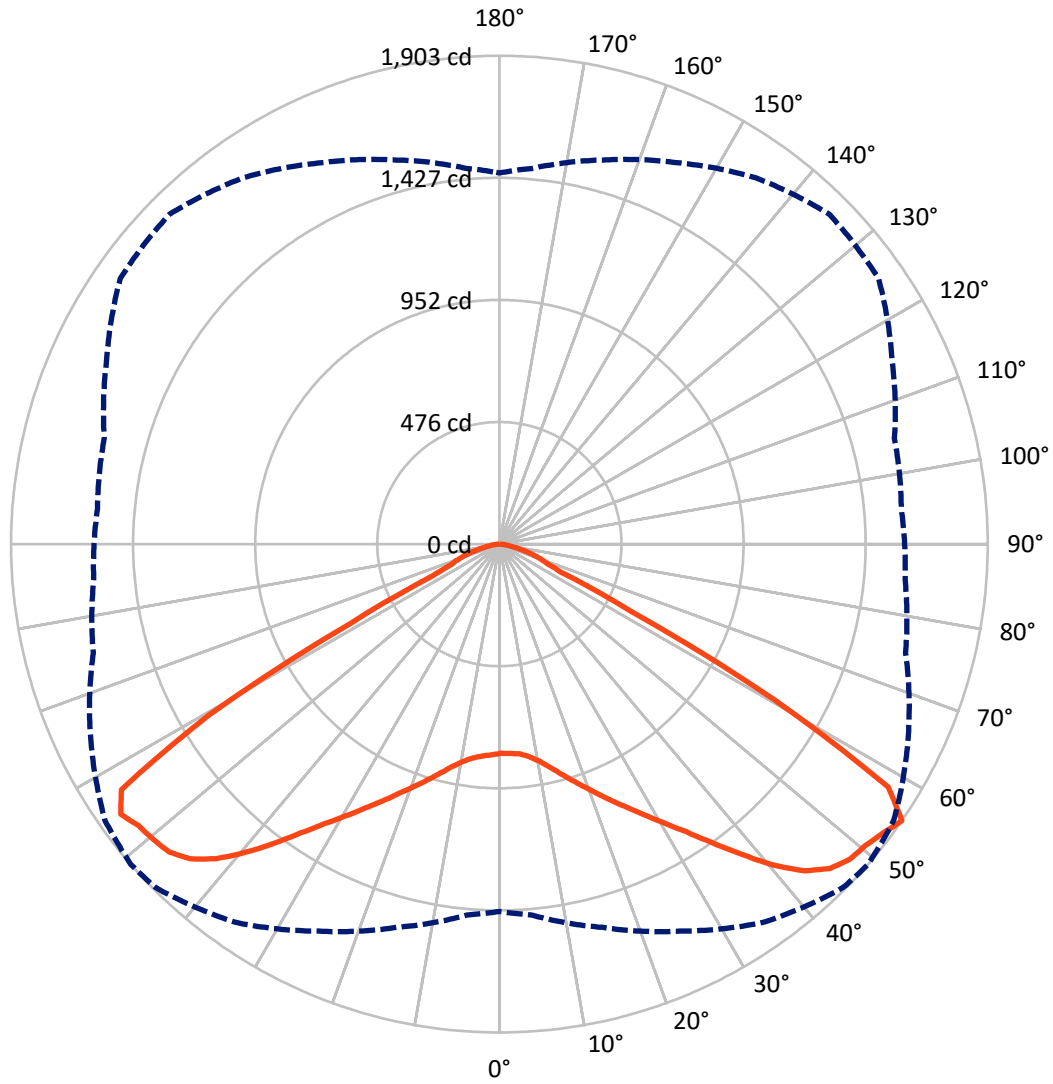
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

REPORT NUMBER: P630602
CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P630602

CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2436.1	0.0	2436.1
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2484.3	0.0	2484.3
	% Fixture	50.5	0.0	50.5
Total	Lumens	4920.4	0.0	4920.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	1.6
10°-20°	262.3	5.3
20°-30°	499.5	10.2
30°-40°	846.8	17.2
40°-50°	1274.4	25.9
50°-60°	1395.0	28.4
60°-70°	441.1	9.0
70°-80°	105.8	2.2
80°-90°	15.9	0.3
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°	4920.4	100.0
0°-180°	4920.4	100.0

Coefficient of Utilization



REPORT NUMBER: P630602

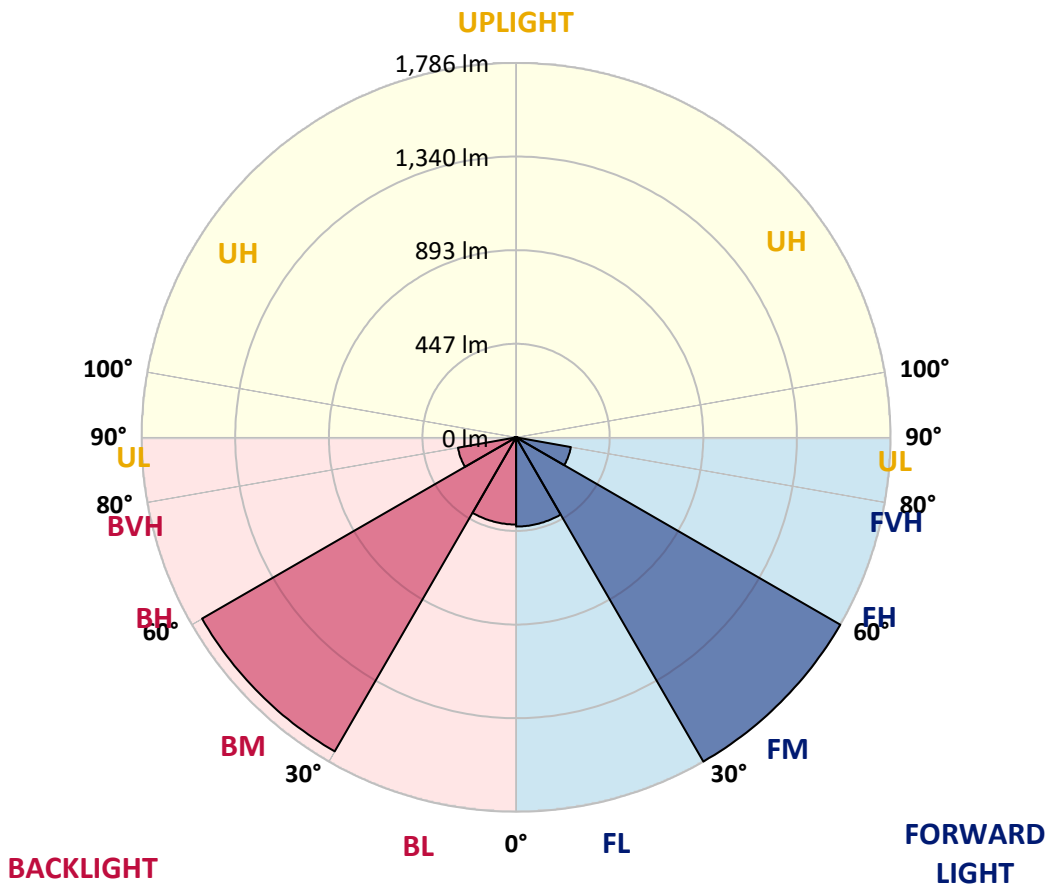
CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.4	8.6			
FM (30°-60°)	1786.2	36.3			
FH (60°-80°)	265.3	5.4			G0/660
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	415.9	8.5	B1/500		
BM (30°-60°)	1730.0	35.2	B2/2500		
BH (60°-80°)	281.6	5.7	B1/500		G0/660
BVH (80°-90°)	8.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P630602

CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1
2.5°	803.1	803.9	805.5	808.3	811.1	815.1	816.7	818.7	818.3	820.7	820.7
5°	799.1	800.3	802.7	806.7	811.5	819.1	821.1	825.9	830.7	836.7	838.7
7.5°	803.9	805.5	808.3	814.7	821.9	831.9	835.9	843.9	853.1	863.9	868.3
10°	813.1	815.1	819.9	830.3	841.9	857.1	860.7	870.7	885.5	900.3	909.1
12.5°	823.5	826.7	835.5	851.9	869.1	889.1	894.7	907.1	923.1	942.3	954.3
15°	835.5	838.3	851.9	875.1	901.9	928.3	934.7	946.7	964.7	983.6	1000.4
17.5°	860.7	865.5	881.5	908.3	939.5	970.8	978.0	991.6	1006.0	1020.8	1036.8
20°	895.1	899.1	919.5	952.7	989.6	1018.0	1025.2	1037.2	1044.0	1051.6	1065.2
22.5°	929.5	935.1	958.3	997.6	1040.8	1071.6	1077.2	1088.4	1083.6	1081.2	1090.0
25°	972.4	980.0	1002.8	1045.6	1089.6	1127.6	1132.0	1141.6	1133.6	1121.2	1120.8
27.5°	1025.6	1032.4	1056.0	1100.0	1143.6	1183.2	1191.6	1204.4	1186.8	1171.6	1160.8
30°	1088.8	1093.2	1119.2	1166.0	1210.8	1248.5	1259.3	1272.1	1258.9	1233.6	1222.8
32.5°	1162.4	1168.4	1198.4	1247.7	1287.7	1325.3	1336.1	1352.1	1337.7	1309.3	1295.7
35°	1250.9	1256.9	1288.5	1342.1	1382.9	1421.7	1429.3	1442.5	1424.5	1391.7	1380.9
37.5°	1346.9	1354.5	1394.5	1445.3	1488.1	1533.4	1533.8	1537.8	1512.1	1471.3	1459.3
40°	1454.9	1464.9	1504.9	1557.8	1609.4	1646.2	1645.8	1634.6	1591.4	1528.2	1509.7
42.5°	1561.8	1569.8	1610.2	1664.6	1716.2	1751.0	1740.6	1713.4	1651.0	1565.0	1540.6
45°	1639.0	1645.0	1687.4	1748.6	1801.0	1822.7	1803.9	1771.0	1686.6	1588.2	1552.2
47.5°	1675.4	1683.4	1726.2	1787.0	1846.3	1858.7	1836.3	1805.5	1707.4	1609.8	1561.4
50°	1655.8	1666.2	1714.6	1771.0	1837.9	1863.5	1847.5	1816.7	1729.4	1631.0	1577.8
52.5°	1605.0	1615.0	1676.2	1744.6	1820.3	1871.1	1870.7	1845.5	1754.6	1637.0	1578.6
55°	1431.3	1450.9	1546.2	1664.2	1798.6	1893.5	1903.1	1876.3	1758.6	1638.6	1587.0
57.5°	931.5	965.9	1056.4	1210.0	1479.7	1722.2	1787.0	1793.4	1729.8	1631.8	1588.6
60°	388.9	416.6	488.2	590.2	813.1	1101.6	1227.2	1353.3	1505.3	1560.6	1573.8
62.5°	241.7	244.1	251.3	274.5	348.9	489.8	570.6	688.6	914.7	1107.2	1196.0
65°	218.1	219.3	220.9	219.3	222.9	240.1	261.7	302.9	394.9	490.6	604.2
67.5°	192.1	193.7	194.9	193.7	194.9	195.7	198.1	201.7	218.5	232.1	242.5
70°	155.3	157.7	159.7	158.9	163.7	163.7	166.1	168.9	177.3	187.3	194.5
72.5°	118.4	116.4	118.8	119.6	124.0	126.4	130.0	133.2	142.9	148.9	158.1
75°	76.8	74.8	78.4	80.4	86.4	89.6	92.8	96.0	102.8	106.8	115.6
77.5°	41.6	41.2	44.8	47.6	54.0	58.0	60.4	62.8	68.4	69.6	75.2
80°	24.0	24.0	26.4	28.4	32.4	36.8	39.2	41.2	45.2	46.4	48.8
82.5°	13.2	13.2	14.4	15.6	18.8	21.2	23.2	24.8	28.4	29.6	30.8
85°	6.4	6.0	6.8	7.6	8.8	10.0	11.2	12.0	14.8	15.6	17.2
87.5°	0.8	0.8	0.8	1.2	1.6	2.4	2.8	2.8	4.4	5.2	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630602

CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1
2.5°	823.1	817.9	821.1	822.3	822.3	821.1	815.9	814.3	811.9	808.3	808.3
5°	841.5	837.5	838.3	836.3	831.5	825.5	815.9	811.1	807.1	802.7	802.3
7.5°	873.1	867.9	867.1	859.5	846.7	833.9	819.5	810.7	804.7	799.1	798.7
10°	914.3	909.5	903.5	888.3	869.5	850.7	831.1	819.1	810.3	802.3	801.9
12.5°	960.3	954.7	943.5	921.1	897.5	879.1	856.7	838.3	825.1	814.3	812.3
15°	1010.4	1002.4	983.2	956.7	933.5	913.9	889.9	863.5	843.5	826.3	824.3
17.5°	1048.8	1038.4	1017.6	992.8	973.6	953.9	922.7	889.5	860.7	839.1	835.9
20°	1075.2	1066.8	1043.2	1024.8	1013.6	996.4	959.9	922.3	889.9	862.7	861.1
22.5°	1099.6	1089.6	1066.4	1055.6	1055.6	1044.0	1009.2	964.7	926.7	895.1	891.1
25°	1127.2	1116.4	1098.8	1097.6	1103.2	1098.0	1056.0	1008.4	963.9	928.3	921.9
27.5°	1165.6	1153.6	1143.2	1150.4	1158.4	1152.8	1106.0	1050.8	1004.0	967.9	962.3
30°	1226.8	1212.0	1202.4	1211.2	1226.8	1210.4	1159.6	1101.2	1054.0	1014.4	1011.6
32.5°	1298.1	1281.3	1271.3	1285.3	1299.3	1273.7	1223.2	1167.2	1117.6	1076.0	1071.2
35°	1383.7	1362.5	1347.7	1366.5	1380.9	1355.7	1305.7	1252.5	1197.2	1154.0	1147.6
37.5°	1459.7	1434.1	1424.1	1450.5	1469.7	1453.3	1398.9	1348.9	1288.5	1241.2	1238.4
40°	1514.9	1489.7	1482.5	1526.2	1559.8	1555.8	1506.9	1449.7	1392.9	1338.5	1333.3
42.5°	1539.0	1521.3	1522.9	1581.8	1633.8	1659.4	1615.8	1554.6	1499.7	1443.3	1439.7
45°	1544.2	1533.4	1546.2	1619.8	1688.2	1740.6	1703.4	1652.2	1590.2	1535.8	1534.2
47.5°	1549.8	1543.8	1563.4	1641.4	1722.6	1783.4	1762.6	1709.8	1647.0	1593.8	1589.8
50°	1563.0	1560.6	1582.6	1656.6	1739.0	1795.0	1771.4	1719.0	1654.6	1602.2	1592.6
52.5°	1567.0	1563.0	1594.6	1680.2	1766.2	1794.6	1743.8	1675.4	1610.6	1552.2	1542.2
55°	1579.4	1572.2	1593.8	1689.0	1803.9	1817.9	1742.2	1639.8	1549.4	1469.7	1446.1
57.5°	1582.6	1574.6	1588.6	1674.6	1763.0	1750.6	1531.4	1323.3	1152.8	1064.4	1074.4
60°	1565.4	1567.8	1543.8	1534.2	1414.1	1248.5	937.5	749.5	588.6	520.6	535.4
62.5°	1191.6	1201.6	1119.6	973.6	748.7	593.4	392.5	304.9	258.1	246.1	248.1
65°	601.4	615.0	529.8	438.2	325.7	263.3	227.7	220.5	218.1	215.3	215.3
67.5°	238.1	242.1	238.9	223.7	208.1	202.5	200.9	200.1	197.3	195.7	196.1
70°	191.3	194.5	189.7	180.1	173.7	173.3	172.5	170.9	168.9	168.9	170.1
72.5°	156.1	159.3	152.5	146.5	141.7	138.0	136.0	134.8	132.0	132.0	133.2
75°	114.8	116.8	111.2	110.4	105.2	101.6	98.4	96.8	93.2	91.6	92.8
77.5°	76.4	76.0	73.2	73.2	71.2	66.8	63.2	59.6	54.8	51.6	52.4
80°	49.6	49.6	48.4	48.4	46.4	42.8	38.4	34.8	32.0	29.6	29.6
82.5°	31.6	31.2	30.8	30.4	29.6	26.0	22.8	20.4	18.4	16.8	17.2
85°	17.6	17.6	16.8	16.8	15.2	13.2	11.6	10.0	8.8	8.4	8.4
87.5°	6.0	6.0	5.6	5.6	4.8	3.6	2.8	2.4	2.0	1.6	2.0
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)