

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: P630438

Luminaire Tested: GWS-SA1D-760-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6297.7 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

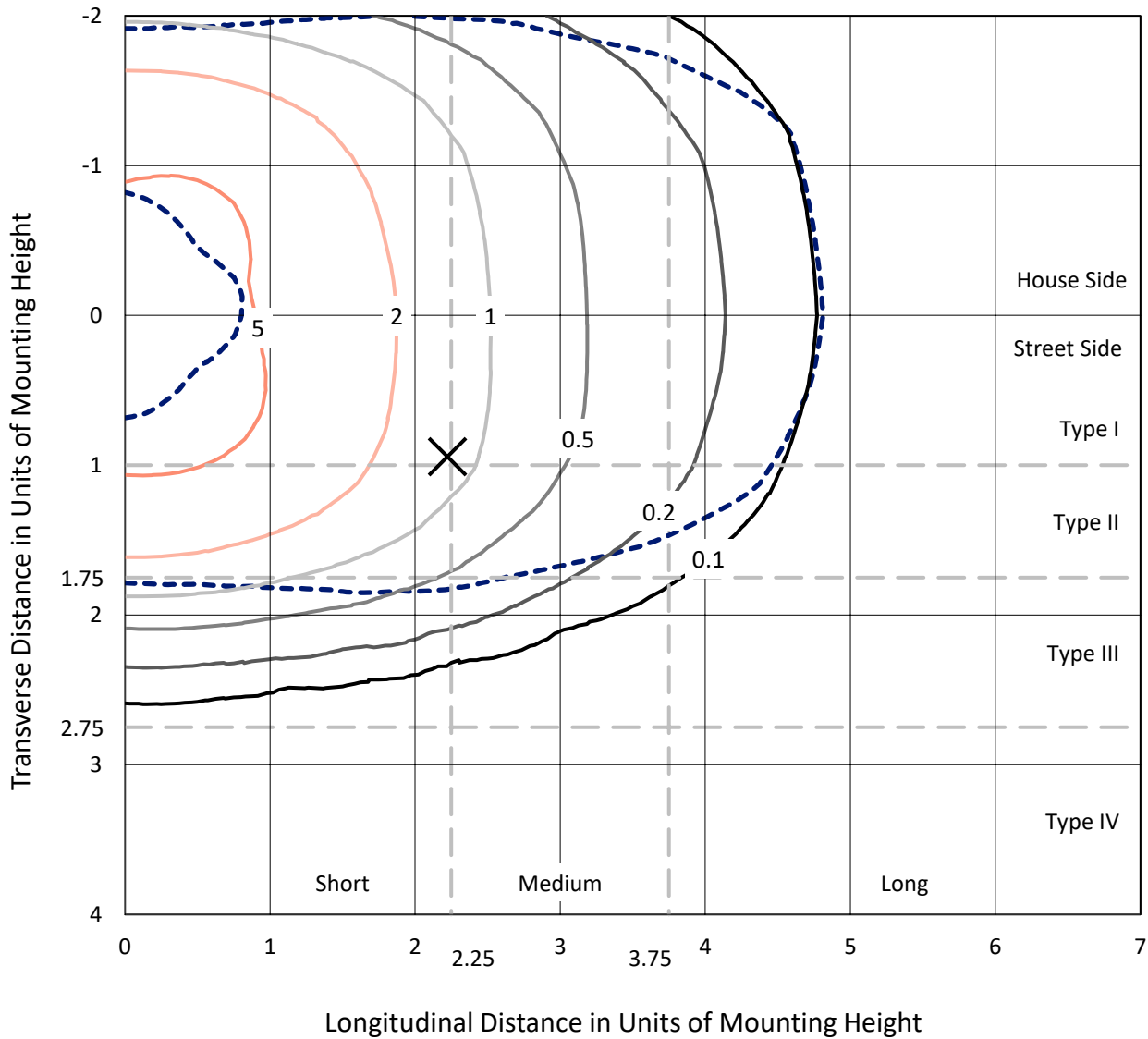
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630438
 CATALOG NUMBER: GWS-SA1D-760-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination

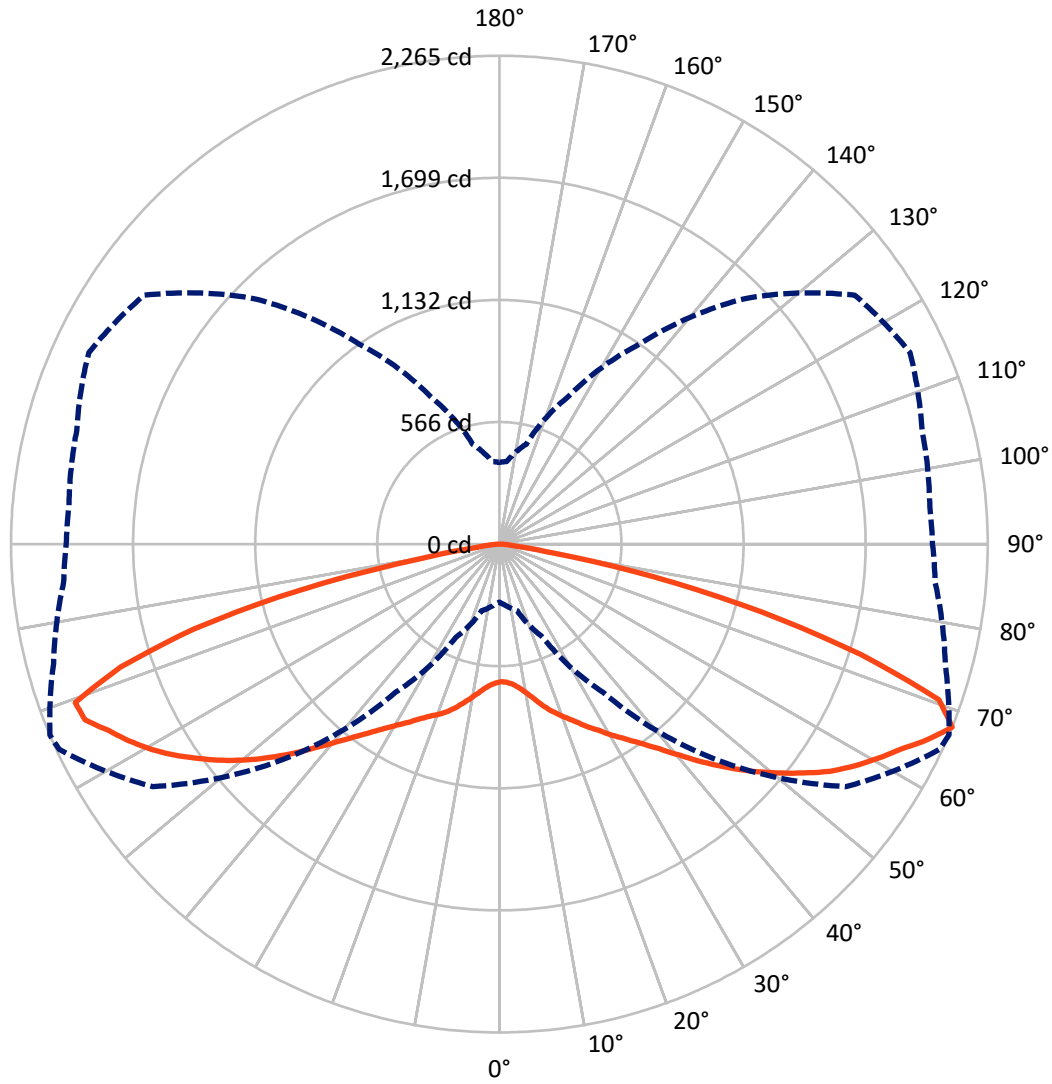
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Short - N/A

REPORT NUMBER: P630438
CATALOG NUMBER: GWS-SA1D-760-U-RW-W

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA1D-760-U-RW-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3114.1	0.0	3114.1
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	3183.6	0.0	3183.6
	% Fixture	50.6	0.0	50.6
Total	Lumens	6297.7	0.0	6297.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	1.0
10°-20°	211.4	3.4
20°-30°	414.7	6.6
30°-40°	706.5	11.2
40°-50°	1134.5	18.0
50°-60°	1541.6	24.5
60°-70°	1474.6	23.4
70°-80°	701.1	11.1
80°-90°	50.8	0.8
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°	6297.7	100.0
0°-180°	6297.7	100.0

Coefficient of Utilization



REPORT NUMBER: P630438

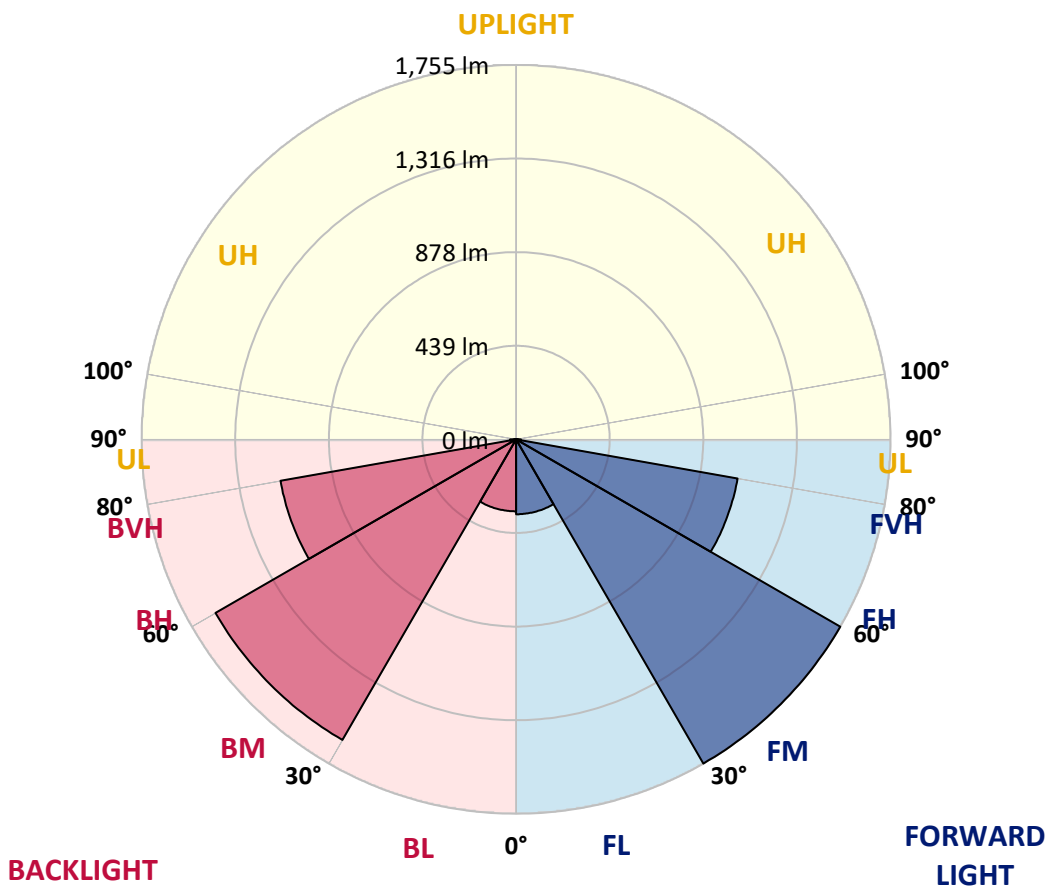
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.1	5.6			
FM (30°-60°)	1755.2	27.9			
FH (60°-80°)	1054.4	16.7			G1/1800
FVH (80°-90°)	22.8	0.4			G1/100
BL (0°-30°)	337.5	5.4	B1/500		
BM (30°-60°)	1627.4	25.8	B2/2500		
BH (60°-80°)	1121.3	17.8	B3/2500		G3/2500
BVH (80°-90°)	28.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P630438
 CATALOG NUMBER: GWS-SA1D-760-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7
2.5°	624.5	625.4	626.7	629.3	632.0	635.9	639.9	639.4	641.2	642.5	643.8
5°	621.0	621.9	624.1	627.6	631.5	638.1	646.4	650.0	652.6	657.4	661.8
7.5°	628.5	630.2	633.3	638.1	644.3	652.6	664.0	670.1	674.1	682.8	690.3
10°	638.6	640.7	646.9	656.1	665.3	678.0	692.5	701.7	704.3	715.7	729.8
12.5°	648.2	650.8	660.9	677.6	694.3	711.4	728.5	739.9	740.7	756.1	771.9
15°	663.6	665.7	679.3	700.8	726.3	750.0	771.0	778.9	782.4	793.4	813.1
17.5°	697.3	700.0	717.5	740.7	767.5	792.5	813.5	820.1	820.1	829.3	845.6
20°	733.7	736.4	759.6	789.4	821.9	847.3	863.5	857.4	855.2	857.8	869.2
22.5°	774.5	779.3	801.7	836.3	876.3	907.4	915.7	897.3	891.2	885.0	887.7
25°	826.7	832.4	854.3	891.2	930.2	963.1	967.9	939.4	935.9	914.4	906.5
27.5°	886.8	891.2	918.4	954.8	991.2	1018.8	1024.1	989.0	977.1	947.3	928.9
30°	964.4	968.4	992.0	1028.0	1059.6	1078.9	1085.5	1037.2	1028.0	982.4	953.9
32.5°	1049.1	1050.8	1074.9	1109.6	1137.6	1156.1	1146.9	1090.7	1077.1	1025.8	986.8
35°	1146.0	1146.0	1177.1	1205.2	1227.6	1232.8	1215.3	1151.2	1135.5	1079.8	1031.1
37.5°	1241.1	1243.8	1272.7	1306.1	1325.8	1324.9	1292.9	1222.7	1204.7	1144.2	1090.3
40°	1344.2	1349.9	1378.9	1416.1	1435.0	1432.4	1383.2	1305.2	1286.8	1215.3	1162.6
42.5°	1438.9	1448.2	1481.9	1520.1	1540.7	1538.9	1487.6	1399.9	1381.9	1301.2	1248.6
45°	1514.4	1524.0	1566.1	1619.2	1652.1	1649.0	1597.3	1498.1	1476.2	1391.6	1333.7
47.5°	1580.6	1590.7	1637.6	1693.7	1745.9	1751.2	1703.8	1597.3	1574.0	1488.5	1423.2
50°	1631.5	1636.3	1688.9	1750.3	1810.8	1840.2	1799.0	1696.8	1668.7	1584.1	1510.4
52.5°	1627.5	1634.1	1699.0	1782.3	1863.5	1911.7	1883.2	1790.7	1763.5	1671.4	1599.5
55°	1547.3	1553.8	1631.0	1752.5	1892.9	1963.9	1960.8	1880.1	1860.4	1760.4	1692.0
57.5°	1430.2	1444.6	1521.4	1652.5	1854.3	2005.6	2017.8	1961.7	1941.1	1847.7	1783.7
60°	1220.5	1239.8	1328.4	1498.6	1730.6	1991.5	2078.8	2030.6	2017.8	1928.8	1866.5
62.5°	886.8	900.8	1018.8	1242.0	1547.3	1891.5	2130.1	2101.6	2092.0	2001.6	1941.5
65°	531.1	563.1	657.9	878.5	1248.2	1703.0	2102.1	2194.6	2184.5	2076.6	2005.6
67.5°	268.8	283.3	320.6	476.3	839.4	1409.1	1961.3	2252.5	2264.8	2140.6	2028.4
70°	166.7	170.6	181.1	235.1	419.3	925.8	1603.8	2101.6	2161.7	2130.6	1969.2
72.5°	133.8	134.6	136.4	146.5	201.3	432.9	1014.0	1645.9	1754.3	1989.8	1884.5
75°	111.0	111.4	111.8	114.9	125.4	176.7	493.4	1131.1	1257.8	1691.1	1747.3
77.5°	89.0	86.8	88.6	89.9	92.5	98.7	170.2	603.5	732.0	1110.0	1351.2
80°	57.9	57.0	60.5	61.8	64.5	68.4	90.8	204.8	248.7	403.9	429.8
82.5°	31.1	29.4	36.8	35.5	36.8	39.9	53.5	75.0	84.2	121.9	103.1
85°	9.6	9.6	10.1	11.8	14.5	14.0	23.2	36.8	40.8	52.2	38.6
87.5°	1.8	1.8	1.8	1.8	1.8	2.2	4.8	7.5	10.1	18.0	13.6
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: P630438
 CATALOG NUMBER: GWS-SA1D-760-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7
2.5°	646.4	642.5	644.7	646.0	645.6	644.7	640.3	639.4	637.2	633.7	632.9
5°	665.7	661.4	661.8	660.5	656.1	650.4	640.7	635.9	632.0	627.6	627.2
7.5°	696.0	691.2	689.9	683.7	671.4	658.3	642.9	634.2	627.6	621.9	621.0
10°	734.6	729.8	725.4	710.9	690.7	673.2	653.0	640.3	630.7	623.6	622.3
12.5°	777.6	773.6	762.7	741.6	717.5	696.9	676.3	660.5	646.4	635.9	634.6
15°	825.4	816.6	799.9	772.8	750.0	733.3	708.3	686.8	664.4	650.4	647.3
17.5°	858.7	851.3	831.5	805.2	787.2	772.8	743.4	712.7	682.4	661.8	657.4
20°	882.4	874.5	852.1	832.8	827.1	814.9	780.7	745.1	710.0	684.6	678.9
22.5°	899.5	891.2	868.4	858.7	866.6	864.4	831.1	790.7	749.1	718.8	711.8
25°	915.7	907.8	887.7	891.2	912.2	918.8	882.8	835.9	788.5	753.0	744.7
27.5°	931.1	921.0	911.8	931.1	960.9	973.2	935.0	882.0	830.6	794.2	787.7
30°	954.8	942.9	941.6	969.7	1017.0	1027.6	985.5	932.4	881.5	844.7	836.3
32.5°	984.6	973.6	974.5	1016.6	1071.4	1080.2	1044.2	994.7	943.8	907.0	895.6
35°	1024.9	1011.3	1018.8	1070.5	1125.8	1142.0	1113.1	1071.9	1022.3	984.6	971.9
37.5°	1080.6	1060.9	1076.2	1130.6	1186.3	1210.4	1188.1	1157.4	1108.3	1070.1	1058.3
40°	1151.7	1135.5	1141.6	1201.7	1259.1	1288.1	1274.0	1243.8	1195.1	1155.2	1141.6
42.5°	1235.9	1219.7	1217.5	1281.5	1338.9	1382.8	1369.2	1341.6	1291.1	1245.5	1232.4
45°	1318.3	1303.4	1306.5	1371.8	1436.3	1484.1	1470.5	1438.1	1383.2	1330.6	1320.1
47.5°	1404.3	1392.0	1394.6	1463.9	1535.0	1582.8	1565.7	1526.2	1462.2	1406.0	1393.3
50°	1492.4	1478.4	1482.4	1555.2	1631.9	1677.1	1650.8	1592.4	1521.8	1467.0	1456.0
52.5°	1580.2	1563.5	1573.6	1642.4	1721.8	1757.8	1709.1	1638.5	1570.1	1515.7	1503.4
55°	1681.0	1663.5	1652.5	1726.2	1804.7	1819.6	1753.0	1670.5	1589.4	1527.5	1520.1
57.5°	1773.1	1758.2	1737.6	1811.3	1869.2	1858.2	1786.7	1661.7	1542.4	1463.1	1452.5
60°	1855.6	1842.9	1824.9	1887.6	1913.9	1889.3	1759.5	1557.8	1426.7	1343.8	1338.9
62.5°	1931.5	1917.9	1901.2	1954.7	1951.2	1894.2	1635.9	1398.2	1222.7	1133.7	1125.8
65°	1991.5	1979.3	1974.4	2016.5	2010.8	1799.9	1443.3	1136.8	893.4	792.9	789.9
67.5°	2008.6	2003.8	2029.7	2101.2	2012.1	1610.4	1131.9	753.9	479.8	384.6	378.9
70°	1944.6	1944.2	2018.3	2120.5	1829.7	1230.2	667.9	339.9	241.2	214.0	210.5
72.5°	1861.3	1860.0	1918.7	1829.3	1356.9	673.2	281.1	182.0	150.9	143.4	143.4
75°	1724.4	1720.9	1765.2	1391.6	763.1	253.5	149.1	125.0	118.4	117.1	117.1
77.5°	1405.6	1376.2	1306.5	860.0	266.2	124.6	98.7	98.2	94.3	93.9	93.9
80°	462.3	462.3	537.2	328.0	117.5	76.7	69.7	73.2	69.3	66.7	66.2
82.5°	75.4	103.9	147.8	93.9	63.6	47.8	43.0	45.6	47.8	38.2	38.2
85°	29.8	39.0	57.0	43.9	29.4	19.3	20.6	22.8	20.2	17.5	17.1
87.5°	11.4	14.0	20.2	10.5	6.1	3.5	2.2	2.2	1.8	1.8	1.8
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)