

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: P630803

Luminaire Tested: GWS-SA1E-735-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7597.8 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

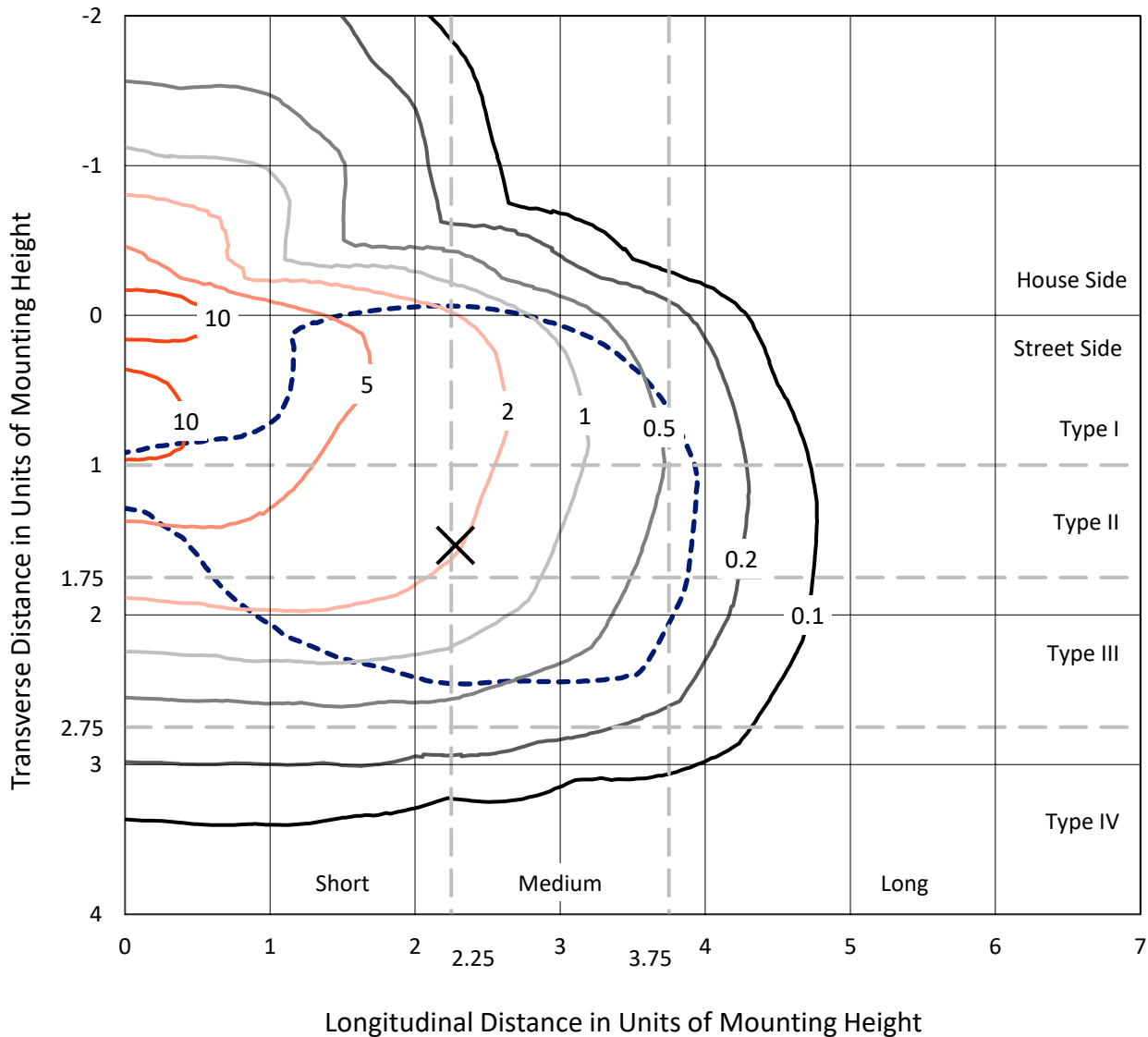
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

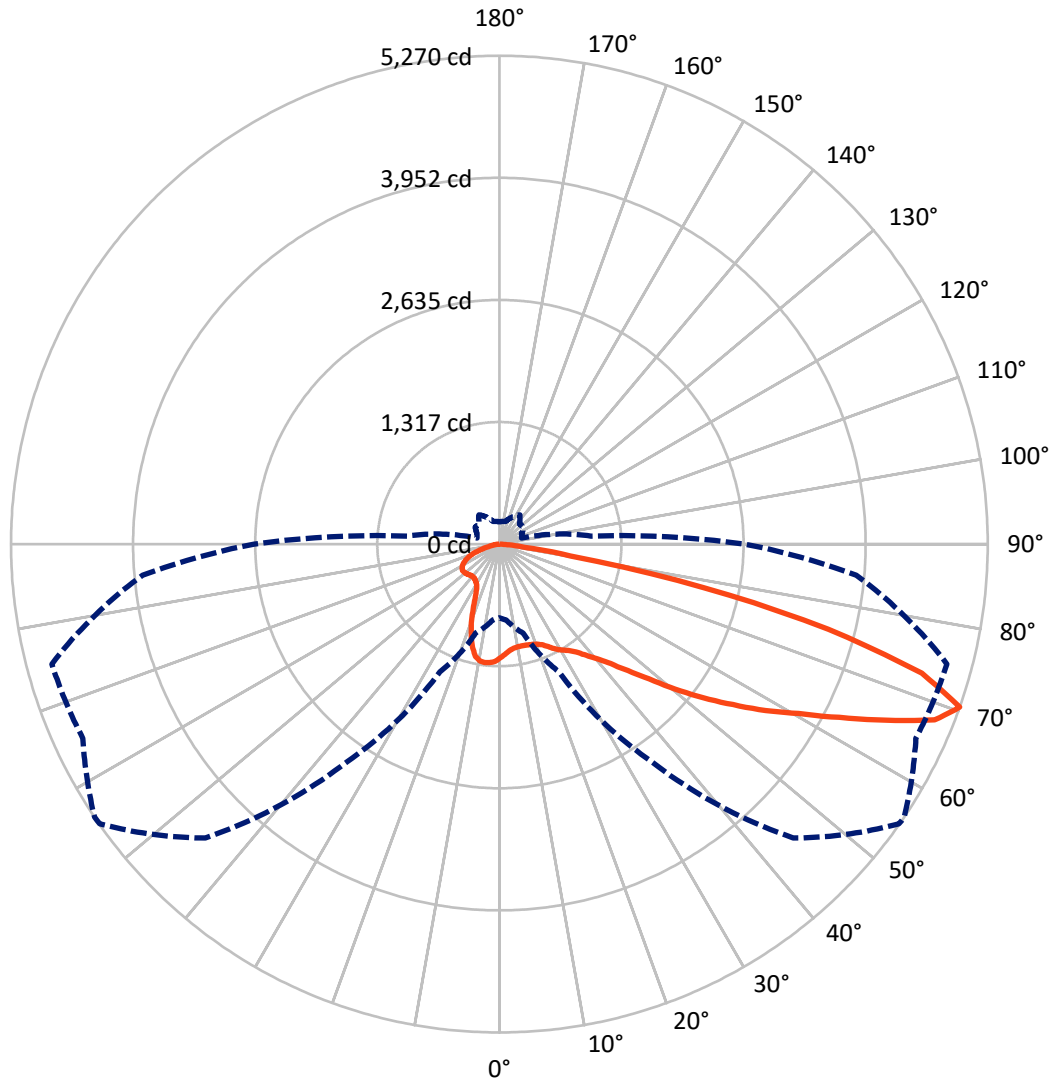
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1460.7	0.0	1460.7
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	6137.1	0.0	6137.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	7597.8	0.0	7597.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	1.5
10°-20°	307.5	4.0
20°-30°	508.4	6.7
30°-40°	760.1	10.0
40°-50°	1131.1	14.9
50°-60°	1608.2	21.2
60°-70°	1991.8	26.2
70°-80°	1099.8	14.5
80°-90°	77.5	1.0
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°	7597.8	100.0
0°-180°	7597.8	100.0

Coefficient of Utilization



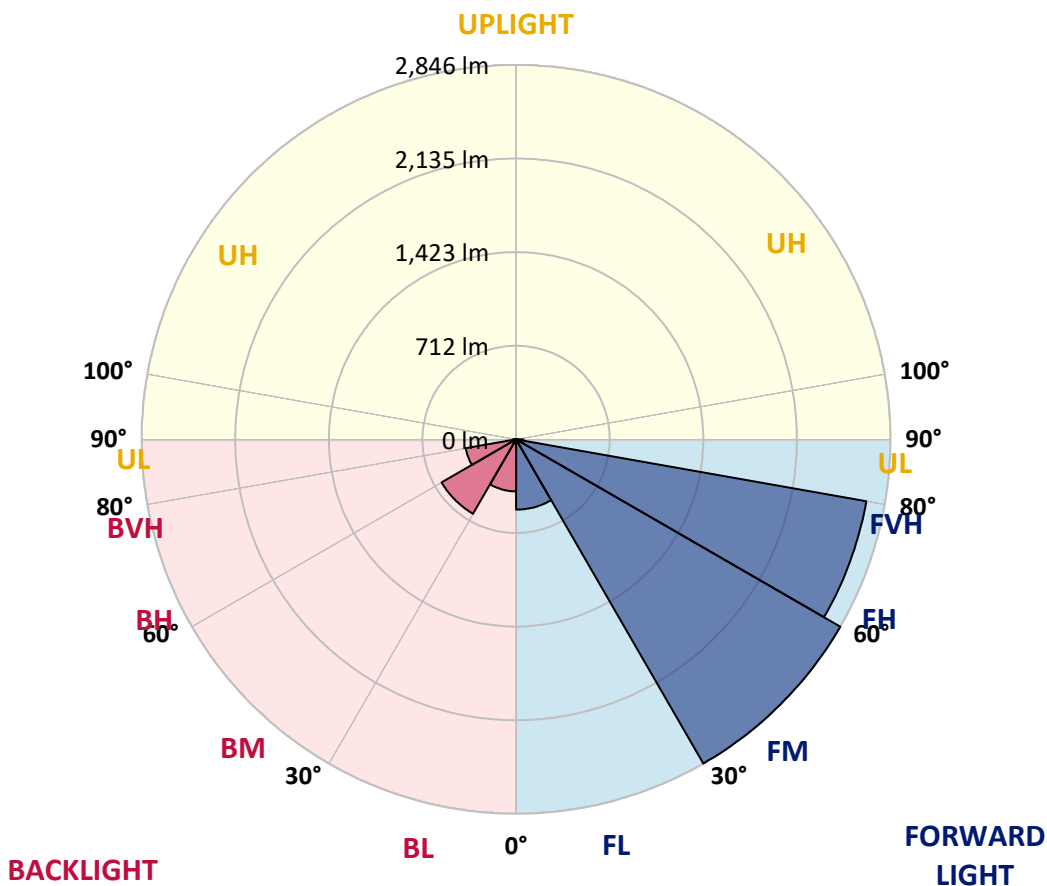
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	534.0	7.0			
FM (30°-60°)	2846.0	37.5			
FH (60°-80°)	2703.3	35.6			G2/5000
FVH (80°-90°)	53.8	0.7			G1/100
BL (0°-30°)	395.4	5.2	B1/500		
BM (30°-60°)	653.4	8.6	B1/1000		
BH (60°-80°)	388.2	5.1	B1/500		G1/500
BVH (80°-90°)	23.6	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4
2.5°	1147.6	1141.2	1148.7	1152.5	1162.1	1176.0	1188.4	1188.9	1195.3	1210.9	1225.9
5°	1095.7	1092.5	1094.6	1105.9	1116.0	1133.7	1152.5	1154.1	1172.3	1202.8	1232.8
7.5°	1055.5	1051.2	1059.2	1073.7	1086.6	1106.4	1131.0	1133.2	1158.9	1205.0	1251.0
10°	997.6	994.4	1009.4	1028.7	1056.6	1089.2	1121.9	1124.6	1158.4	1218.9	1283.2
12.5°	972.4	972.4	978.9	997.1	1027.6	1071.0	1120.3	1124.6	1166.9	1240.3	1324.4
15°	1011.6	1014.2	1008.9	1007.8	1020.1	1061.4	1122.5	1128.9	1183.0	1262.3	1365.2
17.5°	1090.3	1093.0	1079.1	1057.1	1044.8	1070.5	1130.5	1137.5	1200.1	1286.4	1409.1
20°	1200.7	1203.9	1173.4	1139.6	1097.3	1096.7	1146.0	1152.5	1222.1	1312.7	1455.7
22.5°	1329.8	1332.0	1293.4	1239.8	1175.0	1145.5	1172.8	1179.3	1250.5	1349.1	1506.1
25°	1479.3	1485.7	1439.1	1361.4	1273.6	1212.5	1217.3	1224.8	1301.4	1397.9	1565.6
27.5°	1639.0	1647.0	1593.4	1507.7	1386.6	1286.4	1274.6	1281.1	1355.5	1427.9	1597.2
30°	1802.4	1808.3	1754.7	1656.6	1508.2	1370.0	1322.8	1326.6	1379.1	1442.3	1629.3
32.5°	1984.0	1979.2	1927.7	1814.7	1648.6	1470.2	1367.8	1366.8	1405.4	1471.3	1675.4
35°	2154.4	2161.3	2106.7	1981.9	1802.9	1593.9	1435.4	1431.1	1461.1	1518.4	1740.2
37.5°	2360.6	2358.5	2293.1	2158.1	1957.7	1712.4	1530.2	1522.7	1533.4	1591.8	1830.8
40°	2508.0	2523.0	2480.7	2354.8	2138.8	1858.1	1641.1	1624.5	1627.2	1682.4	1951.8
42.5°	2628.5	2642.5	2646.8	2566.4	2346.2	2038.1	1779.3	1762.7	1764.3	1842.5	2100.8
45°	2721.2	2740.0	2800.5	2777.0	2579.8	2246.0	1966.3	1949.2	1950.2	2037.0	2280.8
47.5°	2759.3	2779.6	2902.3	2958.6	2827.8	2494.6	2198.8	2173.7	2177.4	2273.3	2486.6
50°	2746.9	2774.3	2940.4	3098.4	3035.7	2747.5	2476.9	2459.2	2444.8	2584.1	2710.0
52.5°	2640.9	2670.9	2936.6	3187.4	3205.6	2986.4	2764.1	2753.9	2750.7	2914.1	2959.7
55°	2328.5	2378.9	2807.5	3210.9	3338.4	3211.5	3075.4	3058.2	3074.8	3267.7	3212.0
57.5°	2155.4	2192.9	2554.6	3184.7	3447.2	3425.8	3386.1	3387.7	3406.5	3651.9	3517.9
60°	2056.9	2100.8	2414.2	3112.9	3551.7	3686.2	3711.4	3711.4	3745.1	4066.0	3828.7
62.5°	1926.1	1970.6	2283.0	2974.7	3648.1	3992.6	4120.2	4118.5	4131.9	4510.2	4132.5
65°	1660.9	1702.2	2019.4	2756.6	3695.3	4330.2	4584.7	4579.9	4553.1	4905.6	4333.4
67.5°	1206.0	1245.2	1546.8	2341.9	3525.4	4602.4	5063.1	5065.3	4905.1	5154.7	4344.1
70°	795.1	821.9	994.4	1521.1	2867.0	4485.0	5263.5	5269.9	4959.2	4999.4	3866.2
72.5°	496.1	514.9	621.0	907.1	1694.1	3550.1	4749.2	4766.8	4461.4	4393.4	3176.6
75°	329.5	342.4	413.1	528.8	783.8	1921.3	3610.1	3666.9	3575.8	3444.0	2213.3
77.5°	198.2	209.0	263.1	335.9	347.2	750.6	2107.2	2254.0	2266.9	1798.1	926.9
80°	90.5	102.9	145.2	191.8	184.8	261.5	743.1	777.4	917.3	571.1	292.5
82.5°	53.6	58.9	96.4	95.4	78.8	127.0	267.4	274.3	233.1	209.0	124.8
85°	21.4	25.2	40.7	35.9	28.9	41.3	100.7	105.5	101.3	91.1	46.1
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	9.1	9.6	13.9	25.2	13.9
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°	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4
2.5°	1235.5	1232.3	1248.4	1260.7	1266.0	1271.4	1266.6	1265.0	1265.0	1254.3	1248.9
5°	1248.9	1250.5	1272.5	1282.7	1282.7	1278.4	1265.5	1256.4	1253.2	1239.3	1235.5
7.5°	1274.1	1281.1	1301.4	1300.9	1285.9	1262.3	1230.2	1205.5	1183.0	1173.4	1167.5
10°	1315.3	1324.4	1338.4	1315.9	1274.1	1211.9	1143.9	1090.3	1058.2	1032.4	1032.4
12.5°	1362.5	1371.1	1368.4	1316.4	1230.2	1113.9	1015.8	954.2	909.2	885.6	885.6
15°	1409.6	1416.6	1387.7	1291.8	1138.5	983.7	876.5	802.6	763.5	741.5	741.5
17.5°	1457.3	1456.8	1395.7	1235.0	1019.1	839.6	734.6	677.2	663.8	660.1	659.5
20°	1503.4	1491.1	1385.5	1140.1	880.3	694.4	627.9	631.7	651.5	660.1	661.2
22.5°	1555.4	1524.8	1355.5	1019.1	722.8	593.6	597.9	629.0	657.9	670.8	672.4
25°	1608.4	1553.8	1305.2	877.1	591.0	556.7	589.9	624.7	657.4	674.0	675.6
27.5°	1629.8	1553.8	1219.4	712.6	520.8	541.1	577.6	611.3	645.6	664.9	668.7
30°	1647.5	1540.4	1099.4	564.2	491.8	526.1	557.7	588.8	622.6	646.2	650.4
32.5°	1672.2	1528.6	954.2	474.2	478.5	511.7	533.6	559.9	590.4	606.0	604.4
35°	1701.1	1510.4	779.0	431.3	467.2	499.3	514.9	530.4	516.5	516.0	517.6
37.5°	1742.4	1494.3	626.3	412.0	459.7	490.8	503.6	470.4	451.1	443.1	439.9
40°	1801.8	1487.9	494.0	400.8	458.6	490.2	481.1	429.7	403.4	375.6	375.0
42.5°	1876.8	1483.0	408.3	395.4	462.4	502.6	450.1	402.9	348.8	336.5	335.4
45°	1973.3	1475.5	365.4	394.3	471.5	512.2	446.8	365.9	329.0	323.6	323.6
47.5°	2089.5	1463.8	346.1	394.3	481.7	507.9	437.2	357.9	319.9	325.8	329.5
50°	2223.0	1448.8	335.9	393.3	491.8	507.9	416.8	356.3	317.7	348.3	360.6
52.5°	2365.5	1431.6	329.0	389.0	498.8	508.5	417.9	361.7	319.9	353.6	363.8
55°	2523.0	1428.9	319.3	379.9	501.0	494.5	420.6	373.4	323.1	320.4	320.9
57.5°	2721.8	1461.1	312.4	366.5	492.4	466.1	425.9	382.0	319.3	319.9	323.6
60°	2929.6	1521.6	318.3	353.6	474.7	439.3	429.7	377.7	301.1	292.5	293.6
62.5°	3106.5	1567.7	323.1	347.7	449.0	415.8	425.9	368.1	290.9	288.8	293.6
65°	3180.4	1529.7	311.3	335.4	411.5	386.8	417.9	355.8	282.4	274.3	274.9
67.5°	3098.4	1351.2	288.2	308.1	369.2	349.9	405.1	339.7	270.6	260.9	258.8
70°	2646.8	992.8	248.6	264.7	317.7	306.5	385.2	318.8	251.8	244.9	240.0
72.5°	2132.9	702.9	206.3	210.6	249.1	258.2	350.9	292.5	230.4	210.6	203.6
75°	1484.6	441.5	172.0	167.7	180.0	197.2	273.8	242.7	198.8	177.9	171.4
77.5°	638.7	226.6	134.5	132.3	120.0	136.6	210.0	202.5	166.6	142.5	138.8
80°	213.8	131.3	97.0	93.2	79.8	95.9	147.9	161.8	130.7	105.5	99.1
82.5°	107.2	76.1	61.6	55.7	53.6	60.5	87.3	100.7	90.5	72.9	61.6
85°	52.5	43.4	33.8	33.2	27.9	26.3	36.4	42.9	40.7	30.0	28.4
87.5°	19.3	17.1	10.7	8.6	5.4	3.8	2.1	2.1	1.6	1.6	1.6
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)