

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: P630347

Luminaire Tested: GWS-SA1D-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6052.7 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

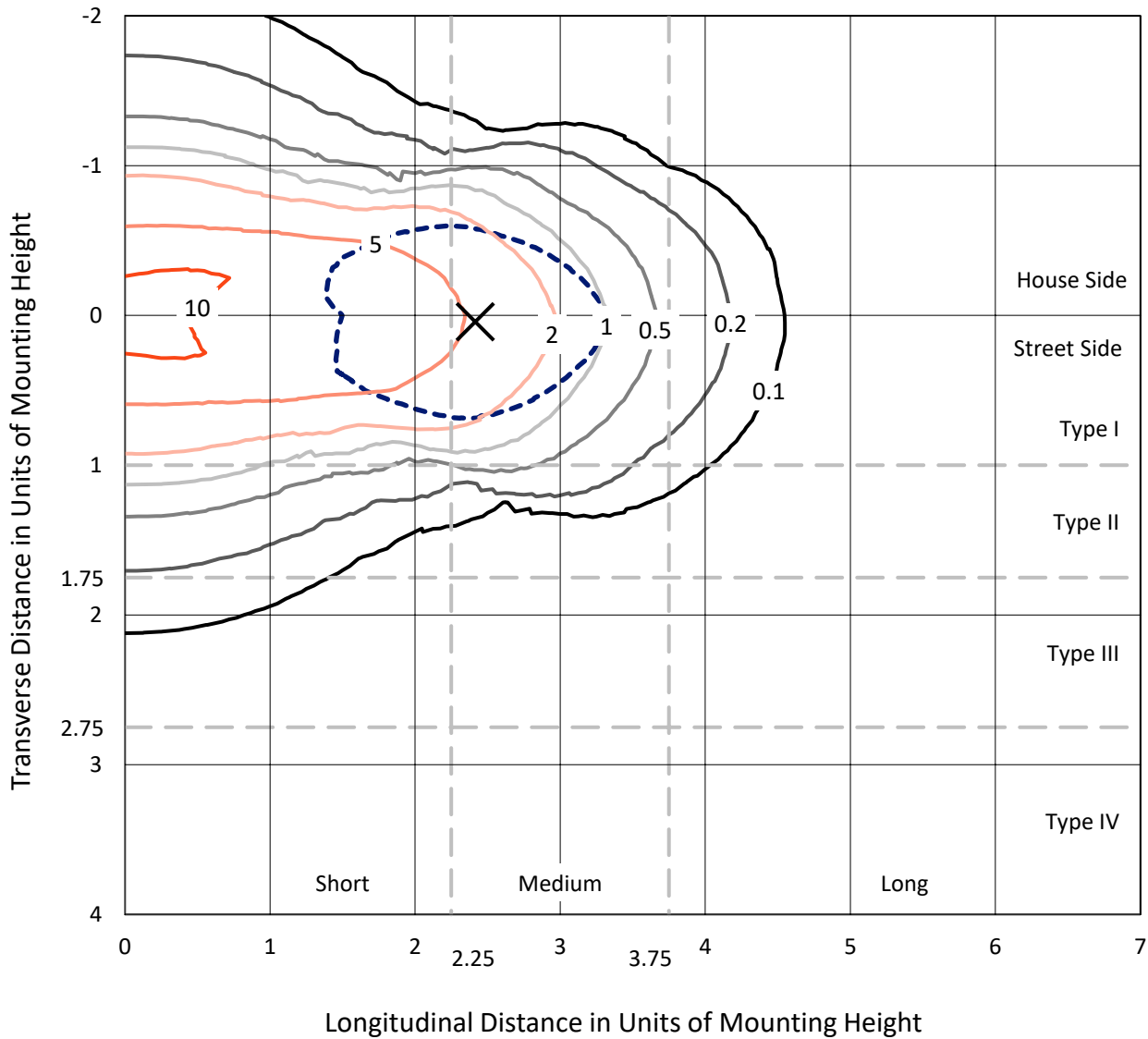
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

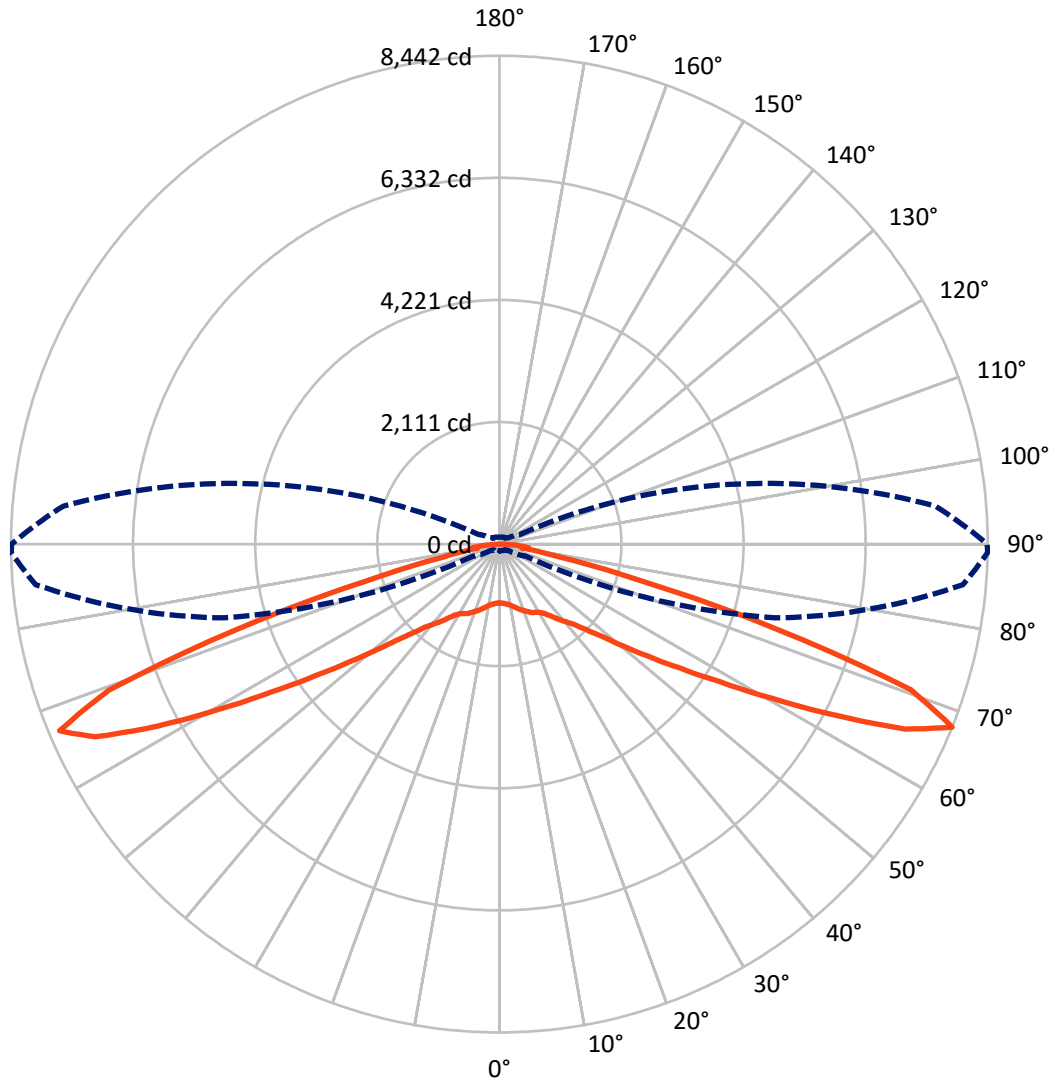
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2999.8	0.0	2999.8
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3052.9	0.0	3052.9
	% Fixture	50.4	0.0	50.4
Total	Lumens	6052.7	0.0	6052.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	1.7
10°-20°	331.8	5.5
20°-30°	560.9	9.3
30°-40°	769.8	12.7
40°-50°	981.6	16.2
50°-60°	1231.6	20.3
60°-70°	1485.4	24.5
70°-80°	537.4	8.9
80°-90°	52.3	0.9
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°	6052.7	100.0
0°-180°	6052.7	100.0

Coefficient of Utilization



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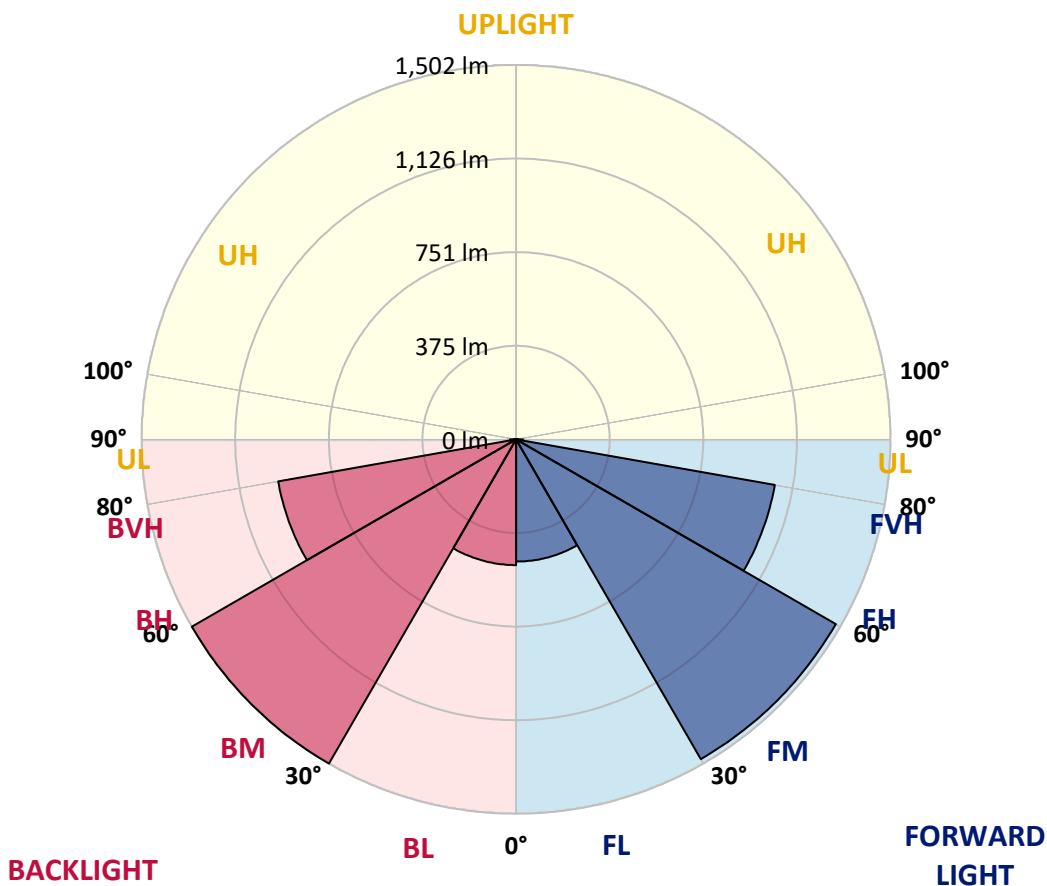
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.2	8.1			
FM (30°-60°)	1481.2	24.5			
FH (60°-80°)	1053.9	17.4			G1/1800
FVH (80°-90°)	27.6	0.5			G1/100
BL (0°-30°)	504.4	8.3	B2/1000		
BM (30°-60°)	1501.8	24.8	B2/2500		
BH (60°-80°)	968.9	16.0	B2/1000		G2/1000
BVH (80°-90°)	24.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9
2.5°	1018.9	1018.1	1015.9	1022.4	1021.1	1021.5	1024.2	1022.4	1019.4	1014.2	1021.5
5°	1047.6	1047.2	1042.4	1046.3	1042.0	1038.9	1038.5	1034.2	1030.7	1025.0	1032.9
7.5°	1075.5	1075.0	1071.1	1078.1	1074.6	1071.1	1067.2	1058.5	1050.2	1042.0	1050.7
10°	1096.8	1096.3	1095.4	1105.4	1106.3	1107.6	1105.9	1091.1	1076.8	1066.8	1075.5
12.5°	1108.9	1110.2	1112.4	1130.7	1139.8	1148.5	1150.7	1138.5	1114.6	1100.2	1110.7
15°	1100.7	1103.3	1114.1	1147.2	1172.4	1192.0	1200.2	1190.2	1159.3	1135.4	1147.2
17.5°	1061.1	1063.3	1084.6	1135.0	1190.6	1235.9	1249.3	1243.2	1208.9	1179.8	1191.1
20°	1006.3	1011.1	1034.2	1104.6	1187.6	1266.3	1302.4	1300.2	1262.8	1218.0	1231.5
22.5°	956.8	962.4	986.8	1064.6	1167.2	1274.1	1355.8	1361.5	1311.9	1256.3	1267.2
25°	901.1	906.4	937.7	1017.2	1132.0	1268.0	1401.5	1427.1	1367.6	1300.2	1310.2
27.5°	844.2	848.1	879.0	963.7	1085.9	1256.7	1437.6	1499.3	1422.3	1330.6	1337.6
30°	794.2	799.4	827.7	910.3	1035.5	1234.1	1467.1	1576.2	1485.4	1365.0	1370.6
32.5°	745.9	750.3	781.2	857.7	982.0	1199.3	1493.6	1666.6	1578.8	1428.9	1428.9
35°	685.1	692.9	727.7	807.2	931.6	1153.3	1512.8	1771.8	1706.6	1523.2	1523.6
37.5°	629.0	633.4	669.9	750.3	878.5	1101.1	1514.5	1881.0	1868.3	1643.2	1644.0
40°	565.1	570.8	609.9	689.4	817.7	1046.3	1498.0	1982.7	2037.9	1766.6	1761.8
42.5°	500.3	508.6	546.0	623.8	752.0	979.4	1454.1	2079.6	2253.1	1909.6	1897.9
45°	437.7	443.0	480.3	553.8	676.8	899.4	1383.7	2172.6	2508.7	2127.0	2110.0
47.5°	367.3	369.5	408.2	478.6	599.0	810.3	1282.8	2255.7	2789.5	2414.8	2385.6
50°	304.7	307.8	338.2	398.6	503.8	704.7	1157.2	2304.4	3147.2	2807.3	2756.9
52.5°	246.5	249.5	273.9	322.1	416.4	584.2	1001.6	2293.0	3510.2	3294.6	3221.1
55°	199.1	201.3	217.8	255.6	327.8	464.7	817.7	2191.8	3913.2	3931.0	3772.8
57.5°	168.2	169.1	180.4	203.4	256.0	358.2	631.2	1952.7	4335.7	4743.0	4483.1
60°	150.4	150.8	156.1	170.4	202.1	273.4	462.5	1571.9	4773.5	5758.9	5402.5
62.5°	139.1	139.1	143.5	151.7	167.8	210.4	339.9	1128.9	5087.7	6864.4	6510.1
65°	128.2	128.2	131.3	138.2	146.9	171.7	255.2	728.1	5242.1	7788.5	7709.9
67.5°	114.3	114.8	116.9	124.3	132.1	143.5	193.4	492.5	4921.7	8044.1	8442.3
70°	101.3	101.7	104.8	109.5	116.1	123.9	151.3	339.5	3582.4	6699.6	7548.6
72.5°	86.9	88.7	90.9	96.1	100.0	105.6	123.5	220.0	2084.4	4309.6	4989.9
75°	71.3	73.5	76.1	81.3	83.9	86.1	101.7	156.9	1002.9	2183.9	2486.9
77.5°	55.2	57.4	60.4	65.2	66.9	69.6	77.8	113.5	480.3	968.1	1043.7
80°	36.9	37.8	40.4	46.1	49.1	50.9	57.4	77.4	208.7	388.6	385.1
82.5°	22.6	23.0	23.9	27.4	28.7	30.4	37.4	47.4	99.5	441.7	506.4
85°	8.3	7.8	7.4	9.6	11.3	13.0	17.4	23.9	43.5	303.4	339.5
87.5°	0.0	0.0	0.0	0.4	0.9	0.9	1.7	3.5	10.4	113.5	77.8
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°	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9
2.5°	1019.4	1014.6	1020.7	1025.0	1034.6	1038.1	1038.9	1035.9	1035.9	1030.7	1031.5
5°	1031.1	1028.1	1038.1	1045.5	1059.4	1064.6	1068.1	1065.9	1067.2	1063.7	1064.6
7.5°	1048.9	1046.3	1063.7	1078.1	1092.4	1098.5	1101.5	1099.8	1100.2	1095.9	1097.2
10°	1073.7	1074.6	1095.4	1114.1	1133.3	1139.4	1140.7	1135.4	1131.1	1123.3	1123.7
12.5°	1107.6	1112.0	1141.5	1162.4	1182.0	1190.6	1181.1	1162.0	1144.1	1130.7	1128.9
15°	1144.6	1152.4	1195.0	1221.5	1242.8	1238.5	1210.2	1167.2	1132.0	1112.0	1108.1
17.5°	1188.9	1200.6	1254.1	1285.8	1304.1	1276.3	1217.2	1152.8	1103.7	1076.8	1071.5
20°	1230.6	1249.3	1316.7	1358.0	1360.2	1297.6	1214.1	1123.7	1062.0	1028.9	1022.0
22.5°	1268.9	1292.8	1382.4	1434.9	1406.7	1307.1	1195.4	1082.4	1011.5	972.9	966.8
25°	1310.6	1344.5	1458.9	1508.0	1453.2	1303.2	1156.3	1031.1	950.7	911.1	906.8
27.5°	1339.3	1381.9	1535.8	1582.7	1491.5	1281.1	1105.9	975.0	895.0	857.7	851.6
30°	1372.4	1426.7	1620.6	1664.0	1514.9	1248.5	1052.0	922.9	843.3	802.9	798.5
32.5°	1432.3	1500.6	1725.8	1750.1	1522.3	1208.0	1000.2	872.4	789.4	749.0	742.9
35°	1528.8	1608.8	1873.6	1846.2	1516.7	1163.7	951.1	813.3	734.2	696.4	690.3
37.5°	1650.6	1750.1	2038.3	1932.7	1501.0	1115.0	892.9	763.8	684.7	646.4	642.9
40°	1764.0	1886.6	2223.1	2007.5	1469.3	1055.0	836.8	712.0	631.2	590.8	582.9
42.5°	1906.2	2069.2	2436.9	2072.2	1417.1	983.3	773.8	648.1	564.2	527.7	518.2
45°	2122.2	2324.8	2685.6	2134.4	1339.3	895.0	694.7	570.3	490.8	453.4	446.0
47.5°	2391.7	2644.3	2955.1	2171.3	1221.1	802.0	605.1	488.2	408.6	366.5	363.0
50°	2770.4	3109.0	3244.2	2164.8	1088.9	691.6	504.3	390.4	323.9	293.4	288.6
52.5°	3231.6	3692.4	3556.7	2086.6	948.5	566.0	393.0	306.5	256.9	235.2	231.3
55°	3810.2	4390.9	3885.8	1918.8	771.2	433.4	308.6	241.7	207.8	194.7	193.0
57.5°	4526.5	5295.5	4202.7	1636.2	579.9	330.8	237.8	199.5	183.4	175.6	175.2
60°	5472.0	6255.8	4477.9	1271.5	415.1	253.0	196.5	178.2	165.6	160.4	160.0
62.5°	6596.2	7127.8	4649.1	865.9	312.1	201.7	173.0	161.7	154.3	151.3	150.8
65°	7751.6	7679.0	4567.4	567.3	236.9	171.3	155.2	149.1	142.6	139.5	139.5
67.5°	8434.1	7562.5	3940.1	393.8	187.8	150.4	140.0	134.3	123.5	120.8	120.8
70°	7470.3	6128.0	2582.6	288.2	152.1	131.7	121.7	113.9	109.5	106.9	106.5
72.5°	4940.8	3987.5	1373.2	200.0	126.9	112.2	103.0	100.0	94.8	92.2	91.7
75°	2459.1	2094.4	703.8	144.3	105.6	90.0	86.1	84.8	80.4	76.9	76.1
77.5°	1025.0	932.4	328.2	104.8	80.4	72.6	69.1	69.1	64.3	60.4	58.7
80°	386.4	344.3	155.2	71.7	59.6	53.9	51.7	50.0	46.1	41.3	38.7
82.5°	516.9	337.8	76.1	44.8	39.1	34.8	31.7	30.4	28.3	26.1	24.3
85°	334.7	240.0	34.3	23.0	19.6	14.8	13.0	12.2	10.9	9.6	8.7
87.5°	68.2	80.4	10.4	4.3	2.6	1.3	1.3	0.4	0.0	0.0	0.0
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)