

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: P631117

Luminaire Tested: GWS-SA1F-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631117
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-SA1F-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6194.4 lumens
Efficiency: N/A
Efficacy: 92.2 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

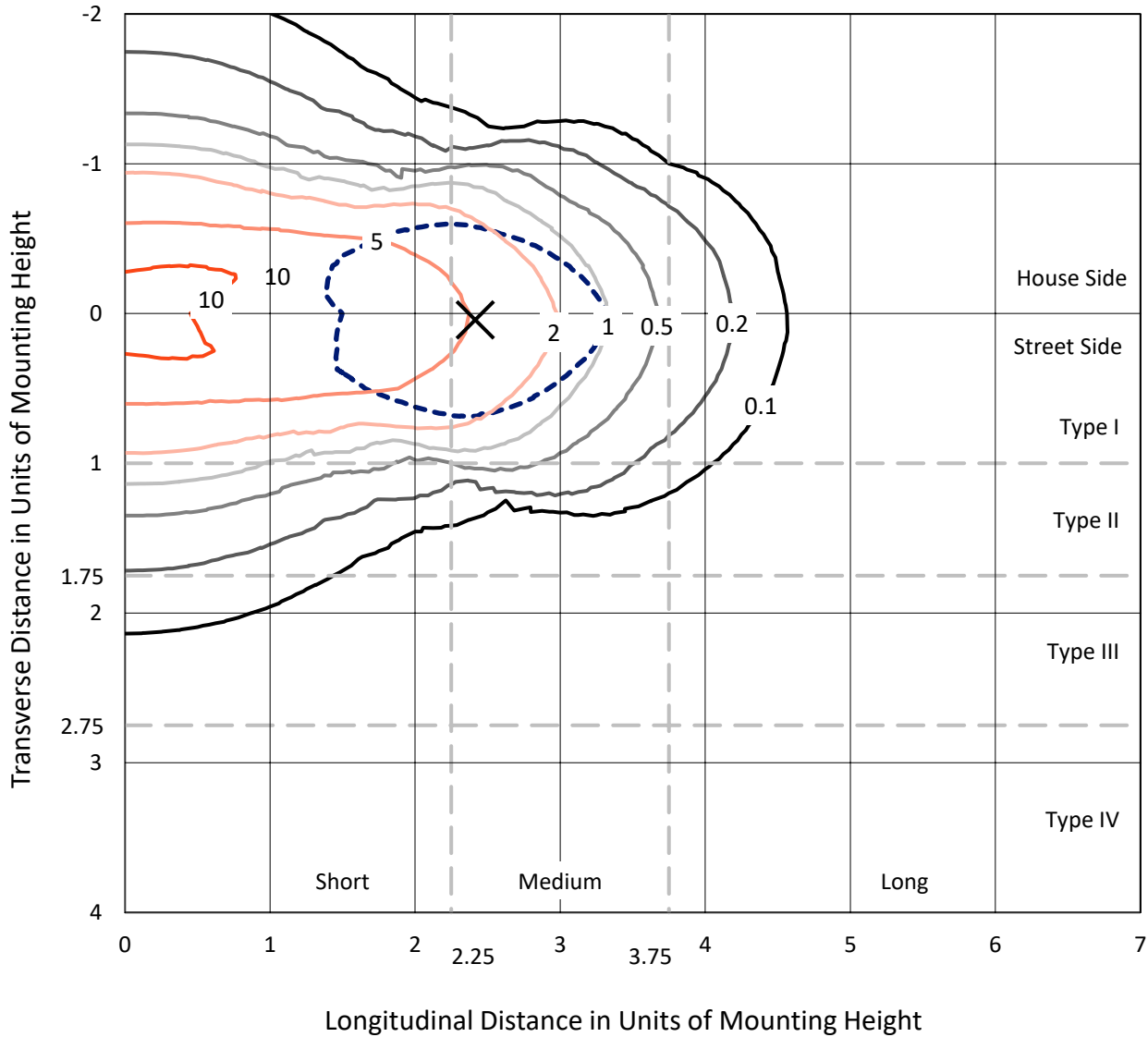
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

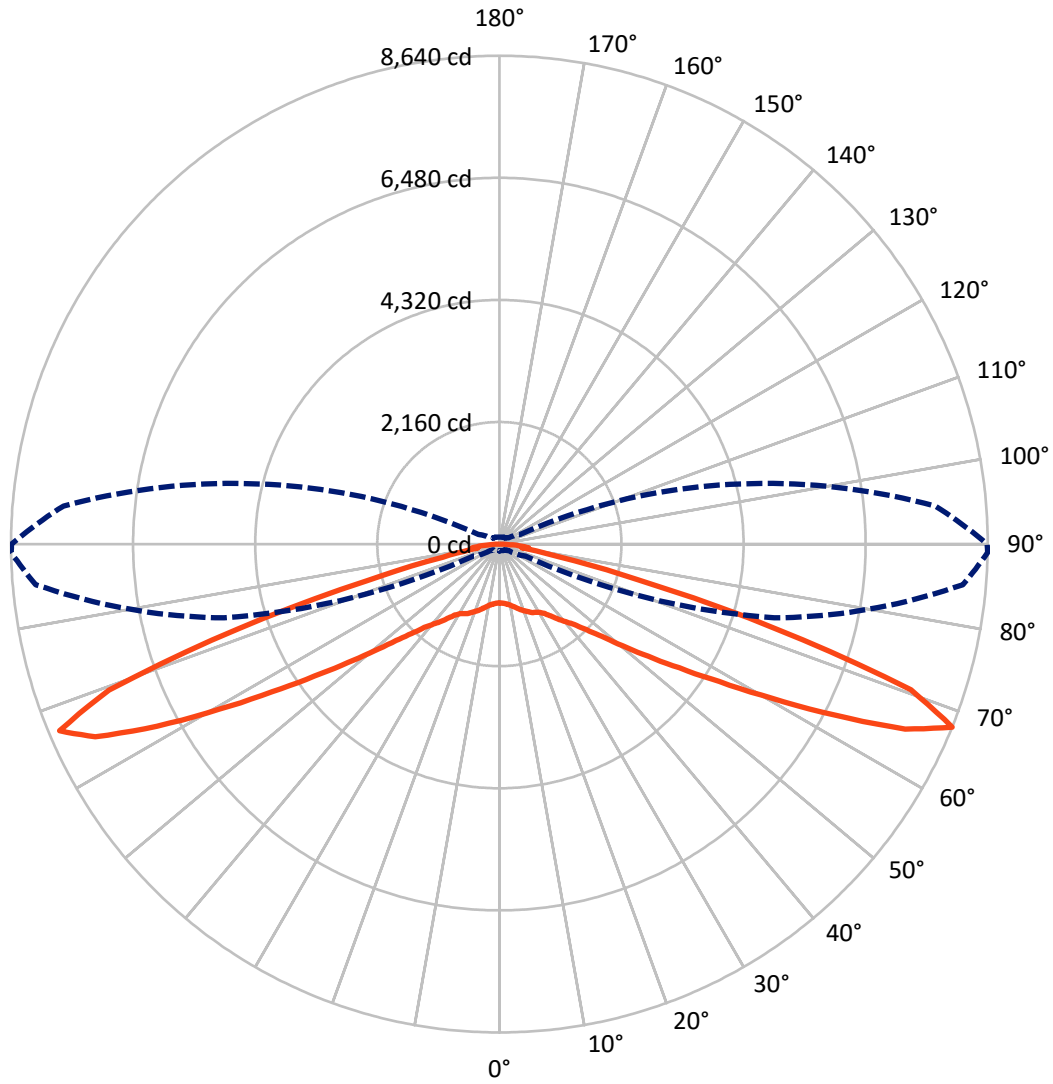
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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	3070.1	0.0	3070.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3124.3	0.0	3124.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	6194.4	0.0	6194.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	1.7
10°-20°	339.6	5.5
20°-30°	574.0	9.3
30°-40°	787.8	12.7
40°-50°	1004.6	16.2
50°-60°	1260.4	20.3
60°-70°	1520.2	24.5
70°-80°	550.0	8.9
80°-90°	53.5	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°	6194.4	100.0
0°-180°	6194.4	100.0

Coefficient of Utilization



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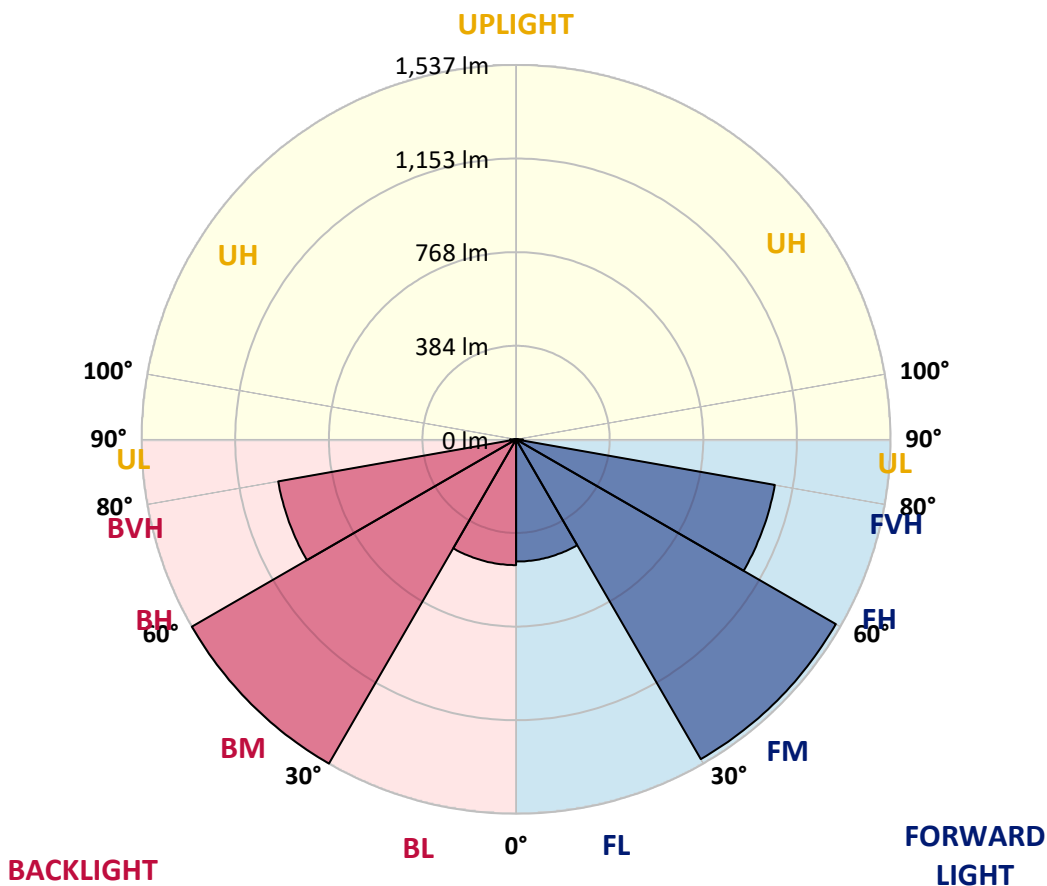
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	501.7	8.1			
FM (30°-60°)	1515.9	24.5			
FH (60°-80°)	1078.5	17.4			G1/1800
FVH (80°-90°)	28.2	0.5			G1/100
BL (0°-30°)	516.2	8.3	B2/1000		
BM (30°-60°)	1537.0	24.8	B2/2500		
BH (60°-80°)	991.6	16.0	B2/1000		G2/1000
BVH (80°-90°)	25.3	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°	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7
2.5°	1042.8	1041.9	1039.7	1046.4	1045.0	1045.5	1048.1	1046.4	1043.2	1037.9	1045.5
5°	1072.2	1071.7	1066.8	1070.8	1066.4	1063.3	1062.8	1058.4	1054.8	1049.0	1057.0
7.5°	1100.6	1100.2	1096.2	1103.3	1099.7	1096.2	1092.2	1083.3	1074.8	1066.4	1075.3
10°	1122.4	1122.0	1121.1	1131.3	1132.2	1133.5	1131.8	1116.6	1102.0	1091.7	1100.6
12.5°	1134.9	1136.2	1138.4	1157.1	1166.5	1175.4	1177.6	1165.1	1140.7	1126.0	1136.7
15°	1126.4	1129.1	1140.2	1174.0	1199.8	1219.9	1228.3	1218.1	1186.5	1162.0	1174.0
17.5°	1085.9	1088.2	1110.0	1161.6	1218.5	1264.8	1278.6	1272.4	1237.2	1207.4	1219.0
20°	1029.9	1034.8	1058.4	1130.4	1215.4	1295.9	1332.9	1330.6	1292.4	1246.5	1260.3
22.5°	979.2	985.0	1009.9	1089.5	1194.5	1303.9	1387.6	1393.4	1342.6	1285.7	1296.8
25°	922.2	927.6	959.6	1041.0	1158.5	1297.7	1434.3	1460.5	1399.6	1330.6	1340.9
27.5°	864.0	868.0	899.5	986.3	1111.3	1286.1	1471.2	1534.4	1455.6	1361.8	1368.9
30°	812.8	818.1	847.0	931.6	1059.7	1263.0	1501.5	1613.1	1520.1	1396.9	1402.7
32.5°	763.4	767.9	799.4	877.7	1005.0	1227.4	1528.6	1705.7	1615.8	1462.3	1462.3
35°	701.1	709.1	744.7	826.1	953.4	1180.3	1548.2	1813.3	1746.6	1558.9	1559.3
37.5°	643.7	648.2	685.6	767.9	899.1	1126.9	1550.0	1925.0	1912.1	1681.6	1682.5
40°	578.3	584.1	624.2	705.6	836.8	1070.8	1533.0	2029.1	2085.6	1808.0	1803.1
42.5°	512.1	520.5	558.8	638.4	769.6	1002.3	1488.1	2128.3	2305.8	1954.3	1942.3
45°	448.0	453.3	491.6	566.8	692.7	920.5	1416.0	2223.5	2567.4	2176.8	2159.4
47.5°	375.9	378.1	417.7	489.8	613.0	829.3	1312.8	2308.5	2854.8	2471.3	2441.5
50°	311.9	315.0	346.1	408.0	515.6	721.1	1184.3	2358.3	3220.9	2873.0	2821.4
52.5°	252.2	255.4	280.3	329.7	426.2	597.9	1025.0	2346.7	3592.4	3371.7	3296.5
55°	203.8	206.0	222.9	261.6	335.4	475.6	836.8	2243.1	4004.8	4023.0	3861.1
57.5°	172.2	173.1	184.6	208.2	262.0	366.6	646.0	1998.4	4437.2	4854.1	4588.0
60°	153.9	154.4	159.7	174.4	206.9	279.8	473.4	1608.7	4885.2	5893.7	5528.9
62.5°	142.4	142.4	146.8	155.3	171.7	215.3	347.9	1155.3	5206.9	7025.1	6662.5
65°	131.2	131.2	134.4	141.5	150.4	175.7	261.1	745.2	5364.8	7970.9	7890.4
67.5°	117.0	117.4	119.7	127.2	135.2	146.8	198.0	504.0	5036.9	8232.5	8640.0
70°	103.7	104.1	107.2	112.1	118.8	126.8	154.8	347.4	3666.2	6856.5	7725.3
72.5°	89.0	90.8	93.0	98.3	102.3	108.1	126.3	225.1	2133.2	4410.5	5106.8
75°	73.0	75.2	77.9	83.2	85.9	88.1	104.1	160.6	1026.3	2235.1	2545.1
77.5°	56.5	58.7	61.8	66.7	68.5	71.2	79.6	116.1	491.6	990.7	1068.2
80°	37.8	38.7	41.4	47.2	50.3	52.1	58.7	79.2	213.5	397.7	394.2
82.5°	23.1	23.6	24.5	28.0	29.4	31.1	38.3	48.5	101.9	452.0	518.3
85°	8.5	8.0	7.6	9.8	11.6	13.3	17.8	24.5	44.5	310.5	347.4
87.5°	0.0	0.0	0.0	0.4	0.9	0.9	1.8	3.6	10.7	116.1	79.6
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°	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7
2.5°	1043.2	1038.3	1044.6	1049.0	1058.8	1062.4	1063.3	1060.1	1060.1	1054.8	1055.7
5°	1055.3	1052.1	1062.4	1069.9	1084.2	1089.5	1093.1	1090.8	1092.2	1088.6	1089.5
7.5°	1073.5	1070.8	1088.6	1103.3	1118.0	1124.2	1127.3	1125.5	1126.0	1121.5	1122.9
10°	1098.8	1099.7	1121.1	1140.2	1159.8	1166.0	1167.4	1162.0	1157.6	1149.6	1150.0
12.5°	1133.5	1138.0	1168.2	1189.6	1209.6	1218.5	1208.7	1189.2	1170.9	1157.1	1155.3
15°	1171.4	1179.4	1223.0	1250.1	1271.9	1267.5	1238.5	1194.5	1158.5	1138.0	1134.0
17.5°	1216.7	1228.8	1283.5	1315.9	1334.6	1306.2	1245.7	1179.8	1129.5	1102.0	1096.6
20°	1259.4	1278.6	1347.5	1389.8	1392.0	1328.0	1242.5	1150.0	1086.8	1053.0	1045.9
22.5°	1298.6	1323.1	1414.7	1468.5	1439.6	1337.7	1223.4	1107.7	1035.2	995.6	989.4
25°	1341.3	1376.0	1493.0	1543.3	1487.2	1333.7	1183.4	1055.3	972.9	932.5	928.0
27.5°	1370.7	1414.3	1571.8	1619.8	1526.4	1311.1	1131.8	997.9	916.0	877.7	871.5
30°	1404.5	1460.1	1658.5	1703.0	1550.4	1277.7	1076.6	944.5	863.1	821.7	817.2
32.5°	1465.9	1535.7	1766.2	1791.1	1558.0	1236.3	1023.7	892.9	807.9	766.5	760.3
35°	1564.6	1646.5	1917.4	1889.4	1552.2	1190.9	973.4	832.4	751.4	712.7	706.5
37.5°	1689.2	1791.1	2086.0	1977.9	1536.2	1141.1	913.8	781.7	700.7	661.5	658.0
40°	1805.3	1930.8	2275.1	2054.4	1503.7	1079.7	856.4	728.7	646.0	604.6	596.6
42.5°	1950.8	2117.6	2494.0	2120.7	1450.3	1006.3	791.9	663.3	577.5	540.1	530.3
45°	2171.9	2379.2	2748.5	2184.4	1370.7	916.0	710.9	583.7	502.3	464.0	456.4
47.5°	2447.7	2706.2	3024.3	2222.2	1249.7	820.8	619.3	499.6	418.2	375.0	371.5
50°	2835.2	3181.8	3320.1	2215.5	1114.4	707.8	516.1	399.5	331.4	300.3	295.4
52.5°	3307.2	3778.8	3640.0	2135.4	970.7	579.2	402.2	313.6	262.9	240.7	236.7
55°	3899.4	4493.7	3976.8	1963.7	789.2	443.5	315.9	247.4	212.7	199.3	197.5
57.5°	4632.5	5419.5	4301.1	1674.5	593.5	338.6	243.3	204.2	187.7	179.7	179.3
60°	5600.1	6402.2	4582.7	1301.3	424.9	258.9	201.1	182.4	169.5	164.2	163.7
62.5°	6750.6	7294.7	4758.0	886.2	319.4	206.4	177.1	165.5	157.9	154.8	154.4
65°	7933.1	7858.8	4674.3	580.6	242.5	175.3	158.8	152.6	145.9	142.8	142.8
67.5°	8631.5	7739.5	4032.4	403.1	192.2	153.9	143.3	137.5	126.3	123.7	123.7
70°	7645.2	6271.4	2643.0	295.0	155.7	134.8	124.6	116.6	112.1	109.4	109.0
72.5°	5056.5	4080.9	1405.4	204.6	129.9	114.8	105.4	102.3	97.0	94.3	93.9
75°	2516.7	2143.4	720.3	147.7	108.1	92.1	88.1	86.8	82.3	78.7	77.9
77.5°	1049.0	954.3	335.9	107.2	82.3	74.3	70.7	70.7	65.8	61.8	60.1
80°	395.5	352.3	158.8	73.4	60.9	55.2	52.9	51.2	47.2	42.3	39.6
82.5°	529.0	345.7	77.9	45.8	40.0	35.6	32.5	31.1	28.9	26.7	24.9
85°	342.6	245.6	35.1	23.6	20.0	15.1	13.3	12.5	11.1	9.8	8.9
87.5°	69.8	82.3	10.7	4.4	2.7	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)