

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: P630607

Luminaire Tested: GWS-SA1E-722-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5485 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
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

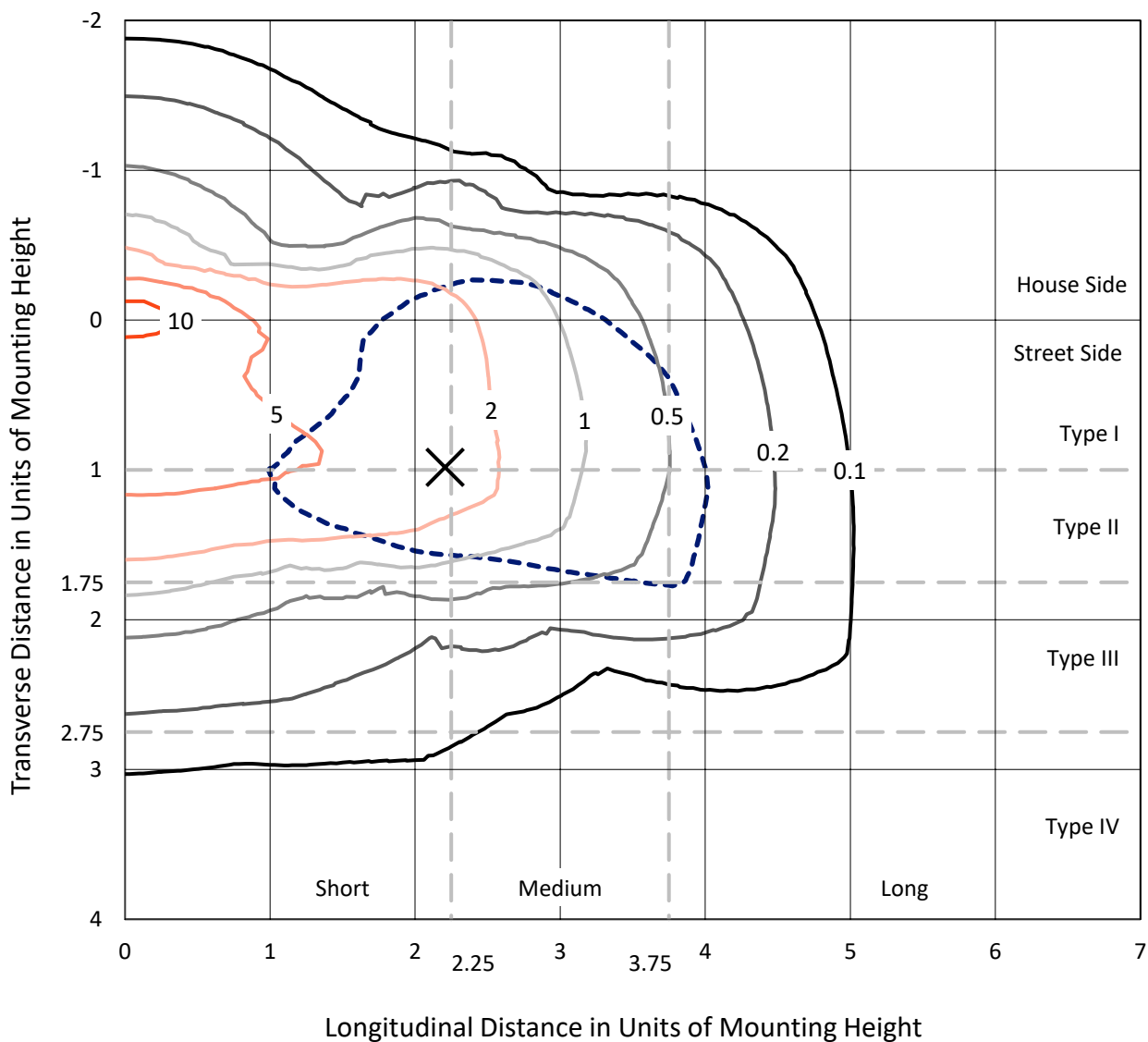


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### Iso-Footcandle Lines of Horizontal Illumination

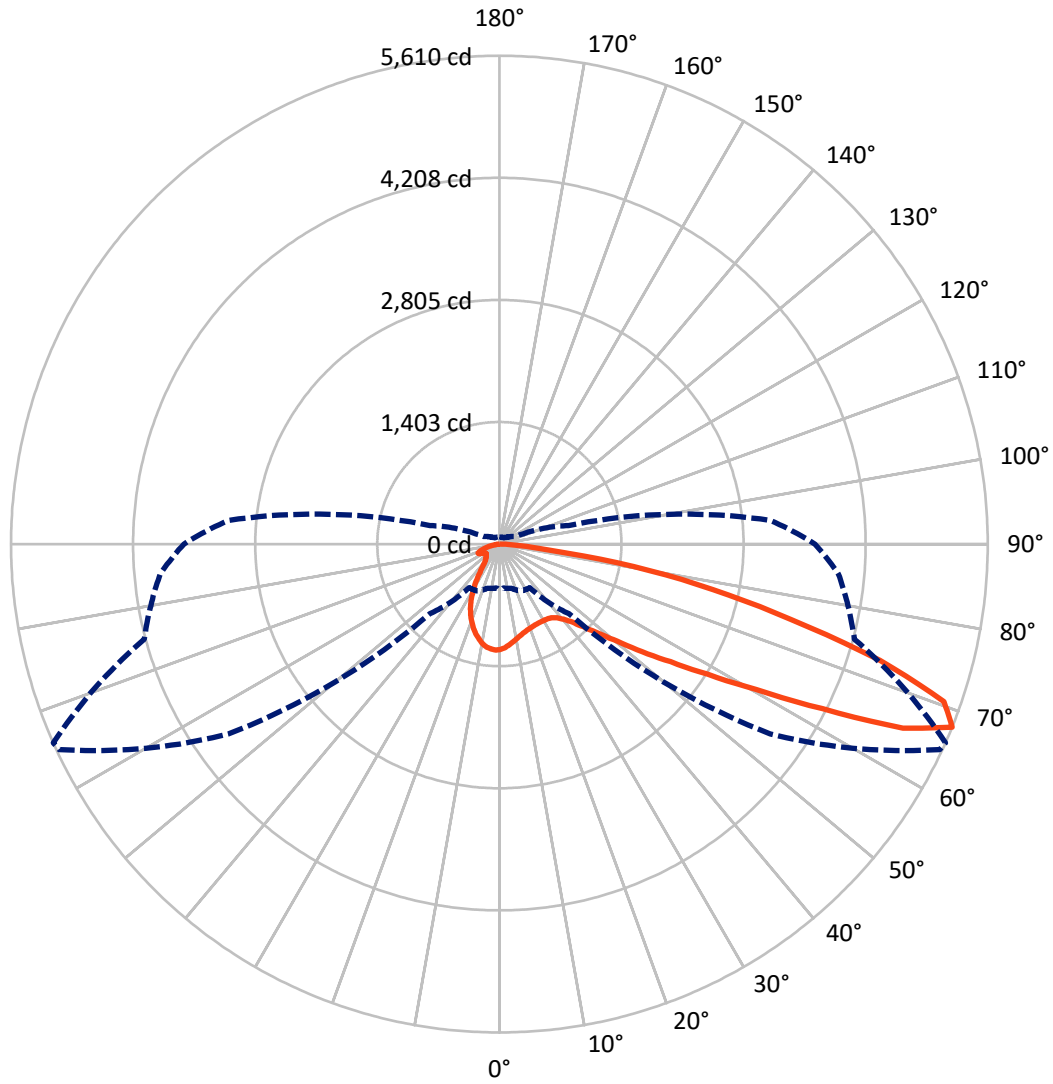
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1113.0	0.0	1113.0
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	4372.0	0.0	4372.0
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	5485.0	0.0	5485.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.4	1.9
10°-20°	261.4	4.8
20°-30°	359.3	6.6
30°-40°	491.3	9.0
40°-50°	744.4	13.6
50°-60°	1157.2	21.1
60°-70°	1408.8	25.7
70°-80°	858.2	15.6
80°-90°	98.0	1.8
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°	5485.0	100.0
0°-180°	5485.0	100.0

**Coefficient of Utilization**



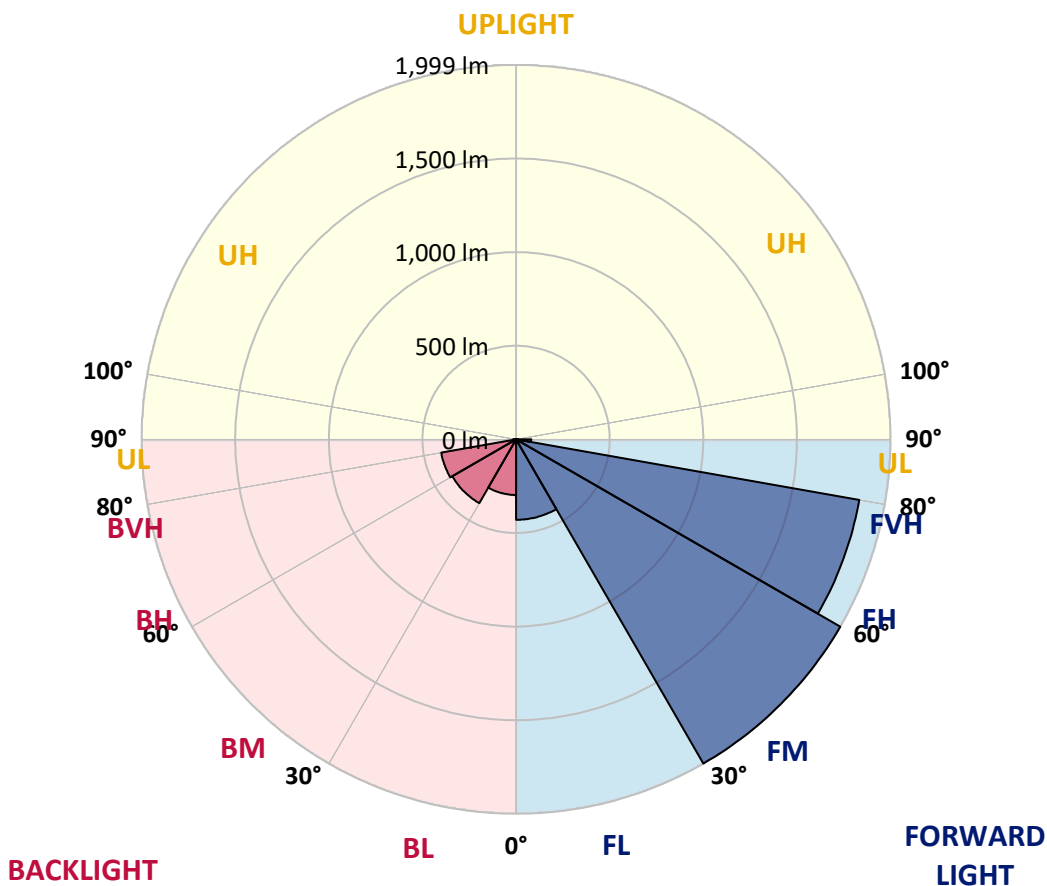
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.8	7.8			
FM (30°-60°)	1999.5	36.5			
FH (60°-80°)	1861.2	33.9			G2/5000
FVH (80°-90°)	81.5	1.5			G1/100
BL (0°-30°)	297.3	5.4	B1/500		
BM (30°-60°)	393.3	7.2	B1/1000		
BH (60°-80°)	405.8	7.4	B1/500		G1/500
BVH (80°-90°)	16.5	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0
2.5°	1135.2	1139.2	1136.8	1152.0	1152.8	1172.0	1182.8	1192.0	1192.8	1204.8	1212.8
5°	1057.6	1060.0	1060.0	1074.4	1084.0	1109.6	1134.4	1160.8	1162.8	1191.6	1213.6
7.5°	994.8	997.2	995.6	1014.8	1027.2	1055.6	1087.2	1127.6	1131.6	1178.0	1216.4
10°	945.5	944.7	948.7	966.3	982.3	1016.4	1051.6	1097.6	1103.6	1162.4	1219.6
12.5°	911.9	912.7	915.1	933.5	950.7	984.3	1020.8	1070.8	1077.2	1144.4	1218.0
15°	895.9	894.3	896.3	913.1	929.5	959.1	996.8	1048.4	1054.8	1128.4	1218.4
17.5°	892.3	891.1	890.7	902.7	915.1	942.7	978.7	1031.2	1038.0	1118.0	1220.8
20°	903.5	901.9	897.5	902.7	907.9	931.1	965.9	1018.8	1026.4	1111.2	1225.6
22.5°	934.3	931.5	924.7	918.3	911.5	925.5	957.9	1009.6	1017.2	1106.8	1230.4
25°	981.1	978.7	971.5	957.1	932.3	929.9	956.3	1005.6	1013.2	1103.6	1232.4
27.5°	1045.6	1042.0	1034.8	1014.0	973.5	946.3	962.3	1005.2	1012.4	1100.0	1230.4
30°	1122.0	1119.6	1115.6	1090.4	1036.4	981.1	975.9	1008.4	1014.0	1098.0	1226.4
32.5°	1199.6	1197.2	1200.4	1188.4	1122.0	1038.8	1005.6	1017.2	1021.2	1097.6	1222.8
35°	1268.0	1270.9	1294.1	1296.1	1230.8	1116.8	1052.4	1037.6	1038.4	1105.6	1224.4
37.5°	1339.7	1350.5	1380.9	1406.9	1352.5	1220.0	1122.0	1076.0	1075.2	1126.0	1234.4
40°	1434.5	1439.3	1478.1	1526.9	1492.9	1361.7	1220.8	1138.8	1133.2	1167.6	1261.2
42.5°	1526.9	1538.5	1600.6	1656.6	1645.4	1521.3	1345.3	1232.8	1222.8	1241.2	1316.5
45°	1644.6	1655.8	1725.4	1797.4	1817.8	1701.8	1504.5	1366.5	1356.5	1352.1	1417.7
47.5°	1762.2	1773.8	1836.3	1940.3	2011.9	1927.5	1711.8	1542.9	1526.5	1509.3	1570.6
50°	1841.5	1855.1	1914.7	2039.5	2207.6	2209.2	1957.5	1774.2	1753.4	1726.2	1785.8
52.5°	1838.7	1847.5	1904.3	2048.3	2348.4	2532.9	2286.4	2068.7	2051.9	1992.7	2044.7
55°	1694.2	1707.4	1764.6	1944.7	2363.6	2839.8	2769.8	2416.1	2386.0	2280.0	2337.2
57.5°	1404.1	1415.3	1472.9	1695.0	2228.8	2997.1	3383.6	2858.6	2817.4	2592.9	2658.9
60°	1060.0	1046.4	1073.6	1268.0	1906.3	3001.1	3925.4	3458.8	3390.0	2927.4	2982.7
62.5°	795.5	781.9	787.9	842.7	1292.5	2758.6	4234.3	4279.9	4166.3	3305.2	3294.4
65°	628.6	621.0	638.2	675.8	753.5	2100.7	4236.7	5167.8	5096.2	3742.9	3614.1
67.5°	512.2	507.4	525.0	594.6	611.0	1128.8	3798.9	5582.4	5610.4	4222.3	3910.6
70°	412.5	405.3	433.0	524.6	568.2	683.0	2721.4	5371.1	5416.3	4508.0	3827.0
72.5°	284.9	285.3	299.3	425.0	548.6	589.8	1539.3	4472.4	4570.4	4249.1	3364.4
75°	192.1	193.7	197.7	280.5	505.4	572.2	820.3	3386.0	3455.2	3512.0	2781.0
77.5°	116.0	116.8	126.0	169.7	348.5	534.2	555.8	2454.5	2508.9	2315.2	1723.8
80°	67.2	70.0	78.4	113.6	235.3	401.3	430.2	1504.9	1566.6	1029.2	547.8
82.5°	29.6	31.6	42.8	66.0	137.2	341.3	335.7	594.6	585.8	286.9	190.1
85°	5.2	6.4	9.2	20.8	50.4	180.1	260.5	262.5	246.9	108.8	78.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	39.2	70.4	70.0	30.8	27.2
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°	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0
2.5°	1218.0	1207.2	1216.8	1218.0	1216.0	1214.4	1202.4	1192.0	1190.8	1179.6	1179.6
5°	1222.4	1212.4	1217.2	1208.0	1193.6	1178.8	1153.2	1135.6	1127.6	1113.2	1113.2
7.5°	1228.4	1218.0	1212.4	1189.6	1156.0	1123.6	1082.4	1048.0	1034.0	1013.6	1012.8
10°	1234.0	1220.8	1201.6	1157.2	1103.6	1052.0	992.0	943.1	909.9	885.5	885.5
12.5°	1233.6	1216.4	1178.4	1112.8	1038.8	963.9	883.9	810.3	766.3	728.3	725.9
15°	1232.8	1209.2	1148.8	1061.2	963.1	859.5	750.7	654.6	589.4	552.2	549.0
17.5°	1232.0	1200.0	1115.6	1002.4	871.1	729.9	586.2	482.2	427.8	404.9	405.7
20°	1232.0	1189.6	1080.0	934.7	765.1	574.6	430.2	354.5	340.9	342.1	343.3
22.5°	1228.4	1176.8	1040.4	861.1	647.0	422.5	317.3	291.7	298.9	310.1	311.7
25°	1220.0	1155.6	994.4	779.5	506.6	307.7	258.9	254.1	267.3	281.3	285.3
27.5°	1206.8	1131.2	942.7	683.8	372.9	247.3	227.7	227.3	237.7	248.1	251.7
30°	1192.8	1104.0	888.3	577.4	270.1	215.3	207.7	207.7	212.9	219.3	218.5
32.5°	1176.4	1076.4	829.9	466.6	220.1	197.3	194.9	193.7	194.5	196.9	196.9
35°	1162.4	1052.0	769.9	349.3	197.3	187.3	184.9	182.1	180.9	179.3	180.1
37.5°	1157.2	1032.8	707.9	263.3	186.1	180.1	176.1	172.1	169.3	168.5	168.1
40°	1165.6	1024.8	645.8	216.9	178.1	172.5	168.1	162.9	160.5	160.5	160.5
42.5°	1198.4	1030.8	582.6	196.1	172.5	166.1	159.7	154.9	154.1	154.9	155.3
45°	1258.4	1054.0	517.0	185.7	167.7	159.7	152.1	148.5	148.5	149.3	149.3
47.5°	1365.7	1114.8	452.2	179.3	162.9	154.5	146.5	142.9	142.5	143.3	143.3
50°	1551.3	1224.4	393.7	174.9	159.3	150.5	142.5	137.6	136.4	136.0	136.0
52.5°	1785.4	1414.5	356.5	171.7	154.9	146.1	138.0	131.6	129.2	128.0	128.0
55°	2068.3	1667.8	356.5	169.3	149.3	140.8	131.6	125.2	121.6	120.0	120.0
57.5°	2388.8	1962.7	418.1	167.3	144.9	134.8	124.8	118.4	114.4	112.0	112.0
60°	2715.0	2274.4	570.6	164.5	140.8	127.2	117.2	111.2	106.0	103.2	102.8
62.5°	3053.1	2617.7	771.5	166.1	138.0	120.0	109.2	102.4	98.0	95.2	94.8
65°	3362.8	2944.6	947.1	178.5	138.4	113.6	100.0	94.0	90.4	86.8	86.4
67.5°	3625.7	3125.1	823.9	203.7	146.9	106.0	90.8	84.8	81.6	79.2	78.8
70°	3441.6	2849.8	467.4	219.3	158.5	98.0	80.4	76.4	73.2	71.6	71.2
72.5°	2943.0	2412.9	312.5	193.7	144.5	87.6	70.8	67.6	65.2	63.2	62.8
75°	2384.0	1913.5	238.9	158.9	112.4	71.2	60.8	58.4	56.0	54.0	53.6
77.5°	1410.5	1105.6	176.1	125.6	79.2	55.6	50.4	48.4	46.0	44.4	44.0
80°	450.2	384.1	111.6	86.4	52.4	42.8	38.8	37.2	34.8	32.8	32.4
82.5°	171.7	148.5	59.2	44.0	34.8	29.2	26.0	24.4	22.8	20.8	20.4
85°	76.0	71.2	32.8	23.6	18.8	14.4	12.8	12.0	10.0	8.4	8.0
87.5°	26.8	26.8	14.0	6.8	4.0	2.0	1.2	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)