

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: P632123

Luminaire Tested: GWS-SA2C-722-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632123
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-SA2C-722-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6930.5 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

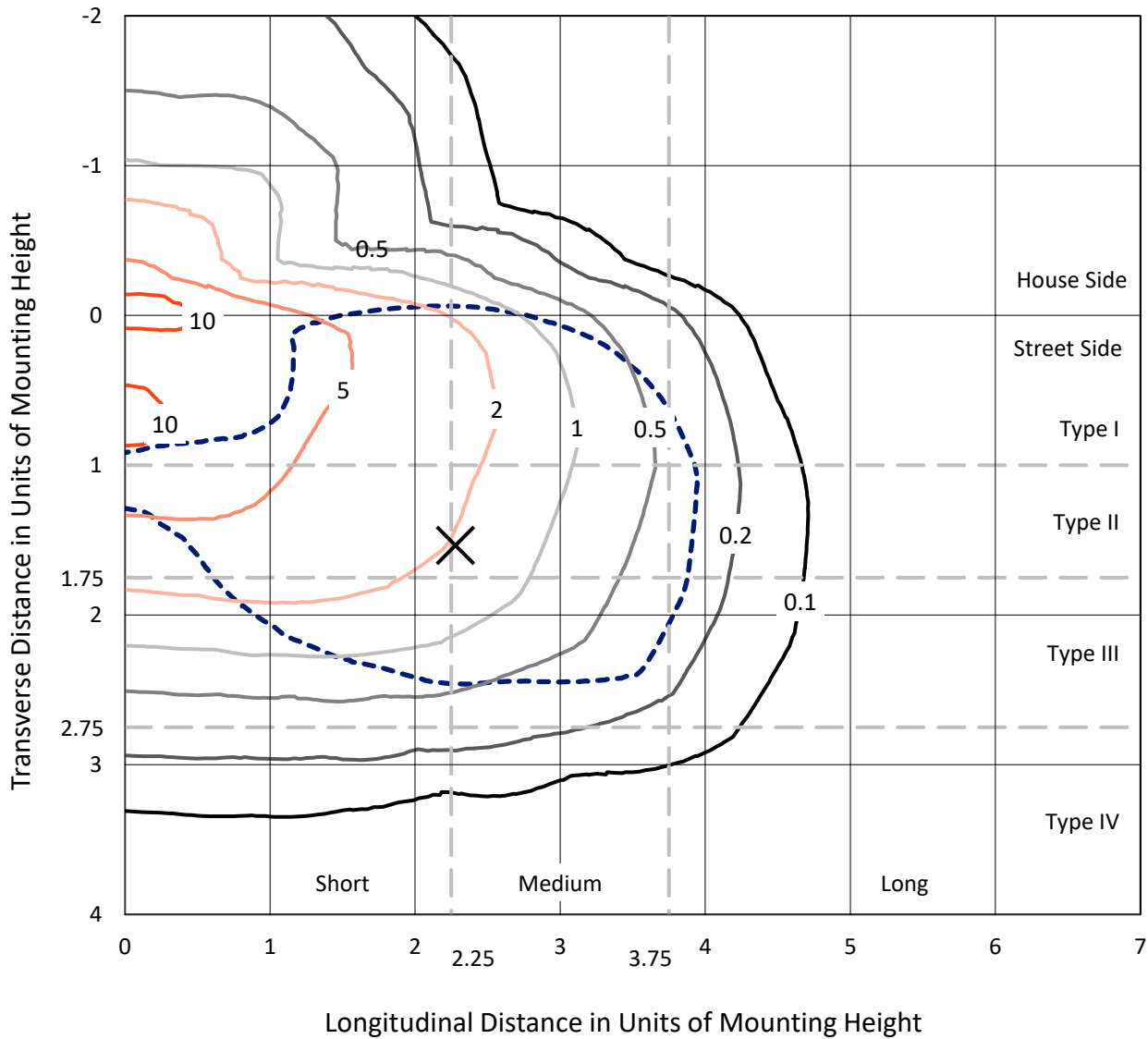
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

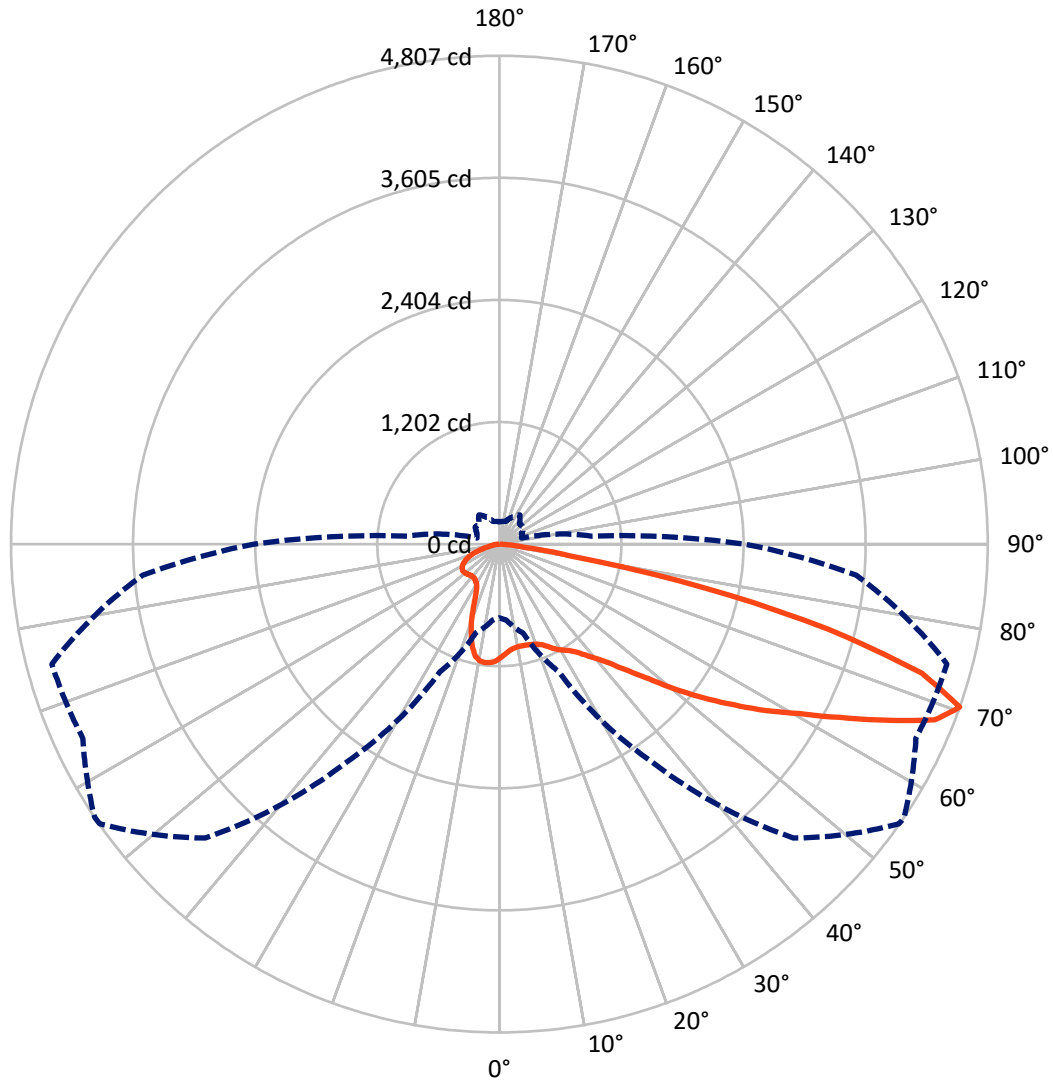
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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	1332.4	0.0	1332.4
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5598.1	0.0	5598.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	6930.5	0.0	6930.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	1.5
10°-20°	280.5	4.0
20°-30°	463.7	6.7
30°-40°	693.4	10.0
40°-50°	1031.8	14.9
50°-60°	1466.9	21.2
60°-70°	1816.8	26.2
70°-80°	1003.2	14.5
80°-90°	70.7	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°	6930.5	100.0
0°-180°	6930.5	100.0

Coefficient of Utilization



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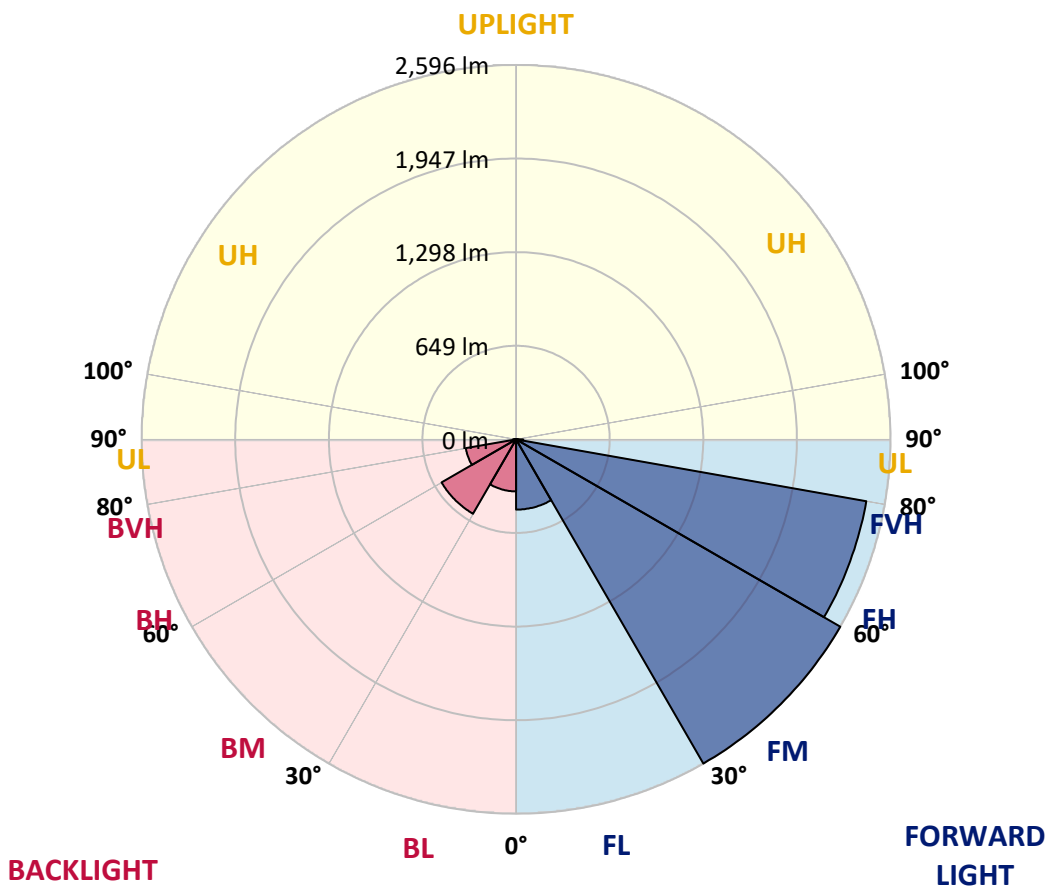
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.1	7.0			
FM (30°-60°)	2596.1	37.5			
FH (60°-80°)	2465.9	35.6			G2/5000
FVH (80°-90°)	49.1	0.7			G1/100
BL (0°-30°)	360.7	5.2	B1/500		
BM (30°-60°)	596.0	8.6	B1/1000		
BH (60°-80°)	354.1	5.1	B1/500		G1/500
BVH (80°-90°)	21.6	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°	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7
2.5°	1046.8	1041.0	1047.8	1051.2	1060.0	1072.7	1084.0	1084.5	1090.3	1104.5	1118.2
5°	999.4	996.5	998.5	1008.7	1018.0	1034.1	1051.2	1052.7	1069.3	1097.2	1124.6
7.5°	962.8	958.9	966.2	979.4	991.1	1009.2	1031.7	1033.7	1057.1	1099.1	1141.2
10°	910.0	907.1	920.8	938.4	963.8	993.6	1023.4	1025.8	1056.6	1111.8	1170.5
12.5°	887.0	887.0	892.9	909.5	937.4	977.0	1021.9	1025.8	1064.4	1131.4	1208.1
15°	922.7	925.2	920.3	919.3	930.5	968.2	1023.9	1029.7	1079.1	1151.4	1245.3
17.5°	994.6	997.0	984.3	964.3	953.0	976.5	1031.2	1037.6	1094.7	1173.4	1285.3
20°	1095.2	1098.2	1070.3	1039.5	1000.9	1000.4	1045.4	1051.2	1114.8	1197.4	1327.9
22.5°	1213.0	1215.0	1179.8	1130.9	1071.8	1044.9	1069.8	1075.7	1140.7	1230.6	1373.8
25°	1349.4	1355.2	1312.7	1241.8	1161.7	1106.0	1110.4	1117.2	1187.1	1275.1	1428.1
27.5°	1495.0	1502.3	1453.5	1375.3	1264.8	1173.4	1162.7	1168.5	1236.5	1302.4	1456.9
30°	1644.1	1649.4	1600.6	1511.1	1375.8	1249.7	1206.7	1210.1	1258.0	1315.6	1486.2
32.5°	1809.7	1805.3	1758.4	1655.3	1503.8	1341.1	1247.7	1246.7	1281.9	1342.0	1528.2
35°	1965.2	1971.5	1921.7	1807.8	1644.6	1454.0	1309.3	1305.4	1332.8	1385.0	1587.4
37.5°	2153.3	2151.4	2091.7	1968.6	1785.8	1562.0	1395.8	1389.0	1398.7	1452.0	1670.0
40°	2287.7	2301.4	2262.8	2147.9	1951.0	1694.9	1497.0	1481.8	1484.3	1534.6	1780.4
42.5°	2397.7	2410.4	2414.3	2341.0	2140.1	1859.1	1623.1	1607.9	1609.4	1680.7	1916.3
45°	2482.2	2499.3	2554.6	2533.1	2353.2	2048.7	1793.6	1778.0	1779.0	1858.1	2080.5
47.5°	2516.9	2535.5	2647.4	2698.7	2579.5	2275.5	2005.7	1982.8	1986.2	2073.7	2268.2
50°	2505.7	2530.6	2682.1	2826.3	2769.1	2506.2	2259.4	2243.2	2230.0	2357.1	2472.0
52.5°	2408.9	2436.3	2678.7	2907.4	2924.0	2724.1	2521.3	2512.0	2509.1	2658.2	2699.7
55°	2124.0	2169.9	2560.9	2928.9	3045.2	2929.4	2805.3	2789.6	2804.8	2980.7	2929.9
57.5°	1966.1	2000.3	2330.2	2905.0	3144.5	3124.9	3088.7	3090.2	3107.3	3331.1	3209.0
60°	1876.2	1916.3	2202.2	2839.5	3239.8	3362.4	3385.4	3385.4	3416.2	3708.9	3492.4
62.5°	1757.0	1797.5	2082.5	2713.4	3327.7	3642.0	3758.3	3756.8	3769.0	4114.1	3769.5
65°	1515.0	1552.7	1842.0	2514.5	3370.7	3949.9	4182.0	4177.6	4153.2	4474.8	3952.8
67.5°	1100.1	1135.8	1410.9	2136.2	3215.8	4198.1	4618.4	4620.4	4474.3	4702.0	3962.6
70°	725.3	749.7	907.1	1387.5	2615.2	4091.1	4801.2	4807.1	4523.6	4560.3	3526.6
72.5°	452.6	469.7	566.4	827.4	1545.3	3238.3	4332.0	4348.2	4069.6	4007.5	2897.6
75°	300.6	312.3	376.8	482.4	715.0	1752.6	3293.0	3344.8	3261.7	3141.5	2018.9
77.5°	180.8	190.6	240.0	306.4	316.7	684.7	1922.2	2056.1	2067.8	1640.2	845.5
80°	82.6	93.8	132.4	175.0	168.6	238.5	677.9	709.1	836.7	521.0	266.8
82.5°	48.9	53.8	88.0	87.0	71.8	115.8	243.9	250.2	212.6	190.6	113.9
85°	19.5	23.0	37.1	32.7	26.4	37.6	91.9	96.3	92.4	83.1	42.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	8.3	8.8	12.7	23.0	12.7
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°	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7
2.5°	1127.0	1124.1	1138.7	1150.0	1154.9	1159.7	1155.3	1153.9	1153.9	1144.1	1139.2
5°	1139.2	1140.7	1160.7	1170.0	1170.0	1166.1	1154.4	1146.1	1143.1	1130.4	1127.0
7.5°	1162.2	1168.5	1187.1	1186.6	1172.9	1151.4	1122.1	1099.6	1079.1	1070.3	1064.9
10°	1199.8	1208.1	1220.8	1200.3	1162.2	1105.5	1043.4	994.6	965.2	941.8	941.8
12.5°	1242.8	1250.6	1248.2	1200.8	1122.1	1016.1	926.6	870.4	829.4	807.9	807.9
15°	1285.8	1292.2	1265.8	1178.3	1038.5	897.3	799.6	732.1	696.4	676.4	676.4
17.5°	1329.3	1328.8	1273.1	1126.5	929.6	765.8	670.0	617.7	605.5	602.1	601.6
20°	1371.4	1360.1	1263.8	1040.0	803.0	633.4	572.8	576.2	594.3	602.1	603.1
22.5°	1418.8	1390.9	1236.5	929.6	659.3	541.5	545.4	573.8	600.2	611.9	613.3
25°	1467.1	1417.3	1190.5	800.0	539.1	507.8	538.1	569.9	599.7	614.8	616.3
27.5°	1486.7	1417.3	1112.3	650.0	475.0	493.6	526.8	557.6	588.9	606.5	609.9
30°	1502.8	1405.1	1002.9	514.6	448.6	479.9	508.8	537.1	567.9	589.4	593.3
32.5°	1525.3	1394.3	870.4	432.5	436.4	466.7	486.8	510.7	538.6	552.7	551.3
35°	1551.7	1377.7	710.6	393.4	426.2	455.5	469.7	483.8	471.1	470.6	472.1
37.5°	1589.3	1363.1	571.3	375.8	419.3	447.7	459.4	429.1	411.5	404.2	401.2
40°	1643.6	1357.2	450.6	365.6	418.3	447.2	438.9	392.0	368.0	342.6	342.1
42.5°	1712.0	1352.8	372.4	360.7	421.8	458.4	410.5	367.5	318.2	306.9	305.9
45°	1800.0	1345.9	333.3	359.7	430.1	467.2	407.6	333.8	300.1	295.2	295.2
47.5°	1906.0	1335.2	315.7	359.7	439.4	463.3	398.8	326.5	291.8	297.1	300.6
50°	2027.7	1321.5	306.4	358.7	448.6	463.3	380.2	325.0	289.8	317.7	328.9
52.5°	2157.7	1305.9	300.1	354.8	455.0	463.8	381.2	329.9	291.8	322.6	331.8
55°	2301.4	1303.4	291.3	346.5	457.0	451.1	383.6	340.6	294.7	292.3	292.7
57.5°	2482.7	1332.8	284.9	334.3	449.1	425.2	388.5	348.5	291.3	291.8	295.2
60°	2672.3	1388.0	290.3	322.6	433.0	400.8	392.0	344.6	274.7	266.8	267.8
62.5°	2833.6	1430.0	294.7	317.2	409.6	379.2	388.5	335.8	265.4	263.4	267.8
65°	2901.1	1395.3	283.9	305.9	375.3	352.9	381.2	324.5	257.6	250.2	250.7
67.5°	2826.3	1232.6	262.9	281.0	336.7	319.1	369.5	309.9	246.8	238.0	236.1
70°	2414.3	905.6	226.8	241.4	289.8	279.6	351.4	290.8	229.7	223.3	218.9
72.5°	1945.6	641.2	188.2	192.1	227.3	235.6	320.1	266.8	210.2	192.1	185.7
75°	1354.3	402.7	156.9	153.0	164.2	179.9	249.7	221.4	181.3	162.3	156.4
77.5°	582.6	206.7	122.7	120.7	109.5	124.6	191.6	184.7	152.0	130.0	126.6
80°	195.0	119.7	88.5	85.0	72.8	87.5	134.9	147.6	119.2	96.3	90.4
82.5°	97.7	69.4	56.2	50.8	48.9	55.2	79.7	91.9	82.6	66.5	56.2
85°	47.9	39.6	30.8	30.3	25.4	23.9	33.2	39.1	37.1	27.4	25.9
87.5°	17.6	15.6	9.8	7.8	4.9	3.4	2.0	2.0	1.5	1.5	1.5
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)