

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: P631903

Luminaire Tested: GWS-SA2B-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631903
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-SA2B-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7176.5 lumens
Efficiency: N/A
Efficacy: 154.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

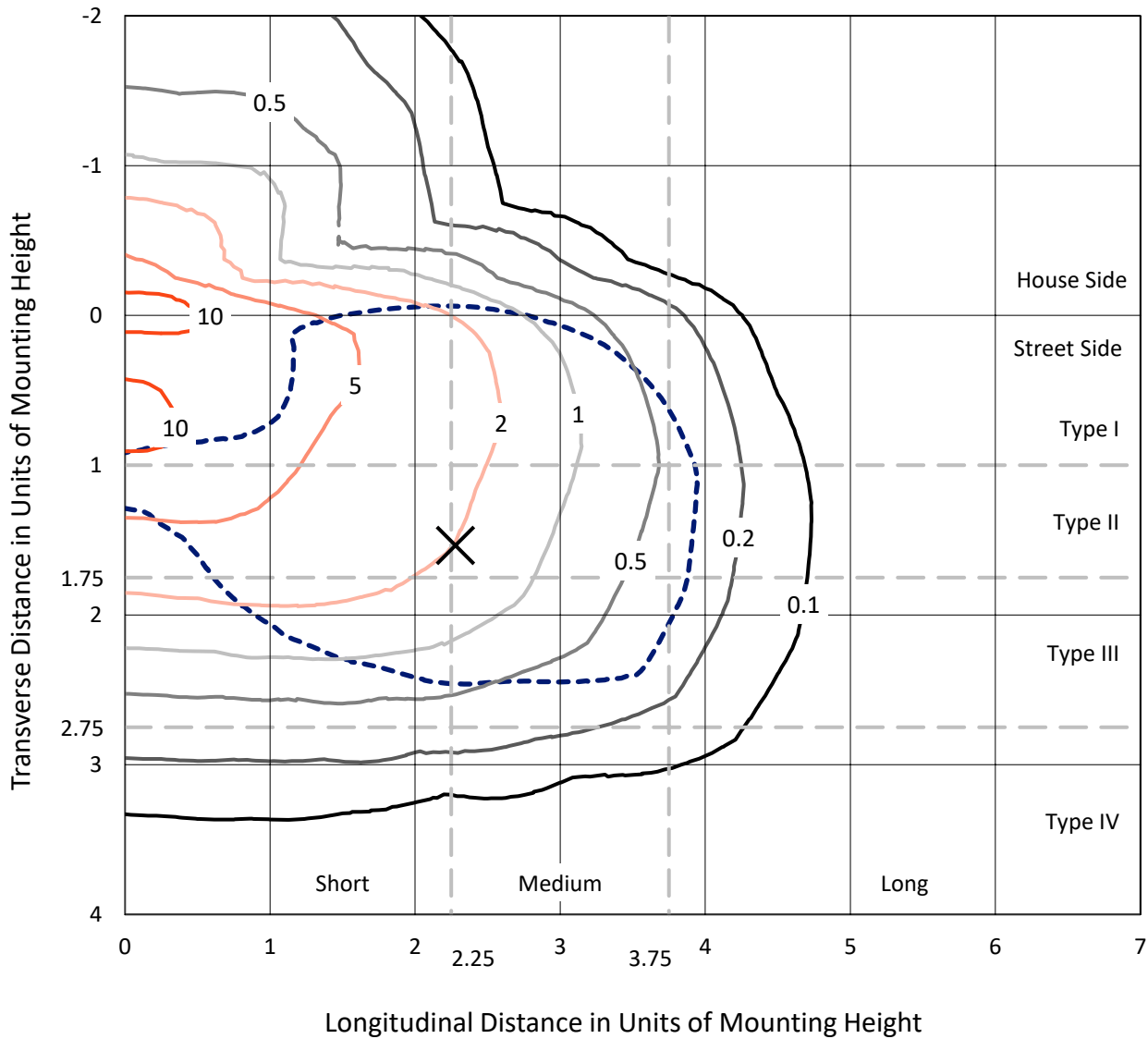
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

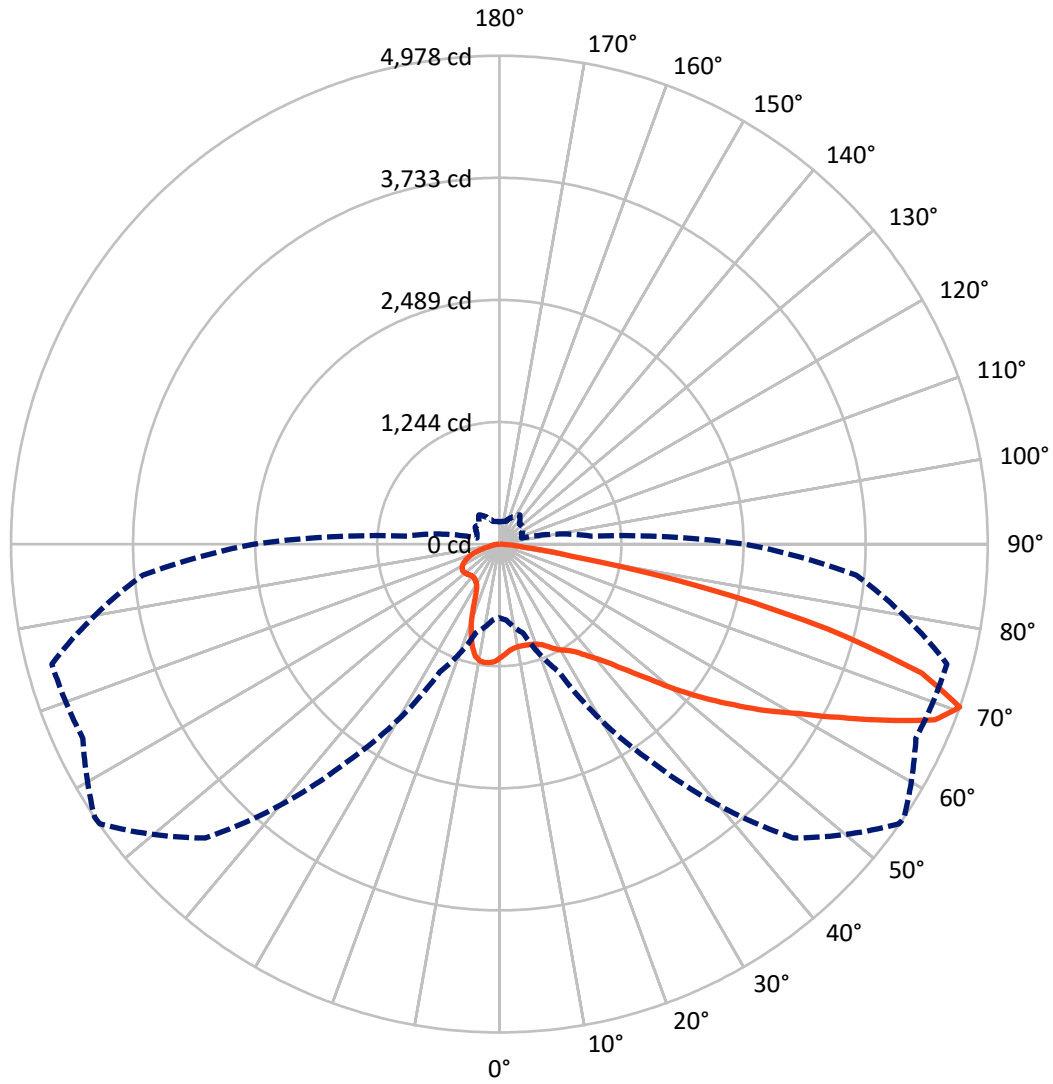
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 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	1379.7	0.0	1379.7
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5796.8	0.0	5796.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	7176.5	0.0	7176.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	1.5
10°-20°	290.5	4.0
20°-30°	480.2	6.7
30°-40°	718.0	10.0
40°-50°	1068.4	14.9
50°-60°	1519.0	21.2
60°-70°	1881.3	26.2
70°-80°	1038.8	14.5
80°-90°	73.2	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°	7176.5	100.0
0°-180°	7176.5	100.0

Coefficient of Utilization



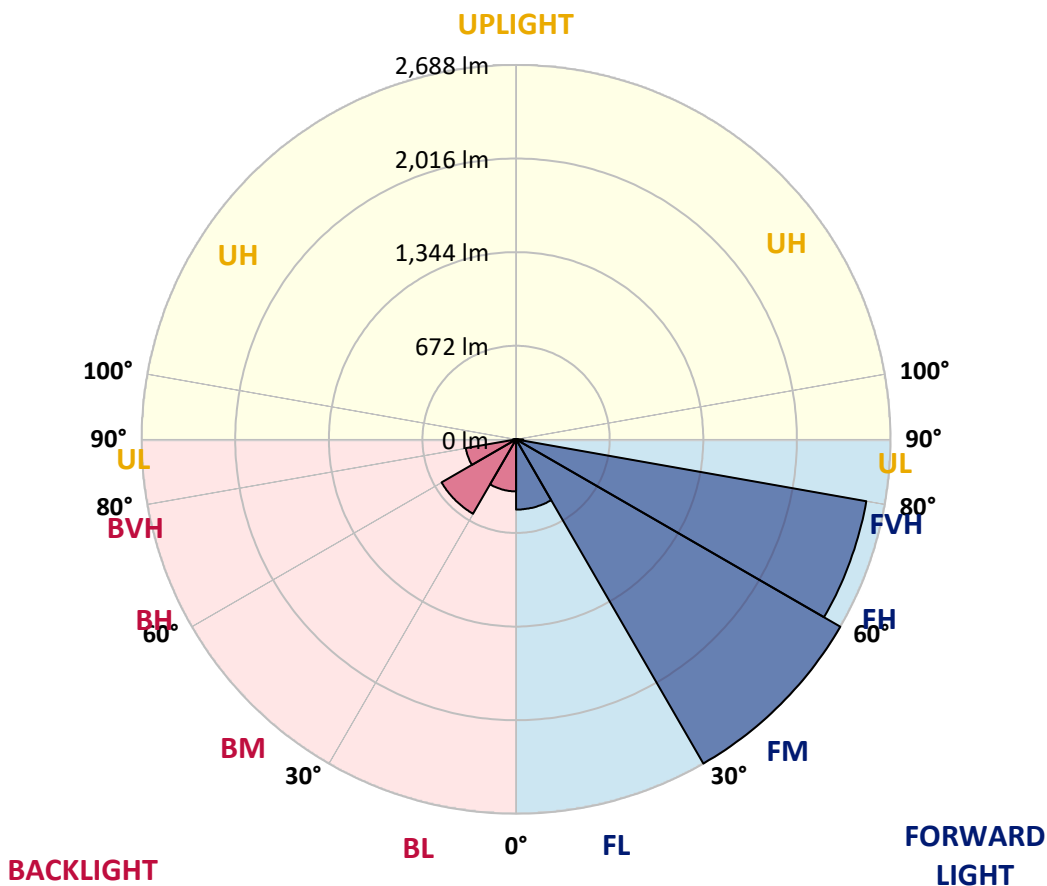
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.4	7.0			
FM (30°-60°)	2688.2	37.5			
FH (60°-80°)	2553.4	35.6			G2/5000
FVH (80°-90°)	50.8	0.7			G1/100
BL (0°-30°)	373.5	5.2	B1/500		
BM (30°-60°)	617.2	8.6	B1/1000		
BH (60°-80°)	366.7	5.1	B1/500		G1/500
BVH (80°-90°)	22.3	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°	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4
2.5°	1084.0	1077.9	1085.0	1088.6	1097.7	1110.8	1122.5	1123.0	1129.0	1143.7	1157.9
5°	1034.9	1031.9	1033.9	1044.5	1054.1	1070.8	1088.6	1090.1	1107.3	1136.1	1164.5
7.5°	997.0	992.9	1000.5	1014.2	1026.3	1045.0	1068.3	1070.3	1094.6	1138.2	1181.7
10°	942.3	939.3	953.4	971.7	998.0	1028.8	1059.7	1062.2	1094.1	1151.3	1212.0
12.5°	918.5	918.5	924.6	941.8	970.6	1011.6	1058.2	1062.2	1102.2	1171.6	1251.0
15°	955.5	958.0	952.9	951.9	963.6	1002.5	1060.2	1066.3	1117.4	1192.3	1289.5
17.5°	1029.9	1032.4	1019.2	998.5	986.8	1011.1	1067.8	1074.4	1133.6	1215.1	1331.0
20°	1134.1	1137.1	1108.3	1076.4	1036.4	1035.9	1082.5	1088.6	1154.3	1239.9	1375.0
22.5°	1256.1	1258.1	1221.7	1171.0	1109.8	1082.0	1107.8	1113.9	1181.2	1274.3	1422.6
25°	1397.3	1403.3	1359.3	1285.9	1202.9	1145.2	1149.8	1156.9	1229.2	1320.3	1478.7
27.5°	1548.1	1555.7	1505.1	1424.1	1309.7	1215.1	1203.9	1210.0	1280.4	1348.7	1508.6
30°	1702.4	1708.0	1657.4	1564.8	1424.6	1294.0	1249.5	1253.0	1302.6	1362.3	1539.0
32.5°	1874.0	1869.4	1820.8	1714.1	1557.2	1388.7	1292.0	1291.0	1327.4	1389.7	1582.5
35°	2034.9	2041.5	1989.9	1872.0	1702.9	1505.6	1355.8	1351.7	1380.1	1434.2	1643.7
37.5°	2229.8	2227.7	2166.0	2038.5	1849.2	1617.4	1445.3	1438.3	1448.4	1503.5	1729.2
40°	2368.9	2383.1	2343.1	2224.2	2020.2	1755.1	1550.1	1534.4	1536.9	1589.1	1843.6
42.5°	2482.8	2495.9	2500.0	2424.1	2216.1	1925.1	1680.7	1665.0	1666.5	1740.4	1984.3
45°	2570.3	2588.0	2645.2	2623.0	2436.7	2121.5	1857.3	1841.1	1842.1	1924.1	2154.3
47.5°	2606.3	2625.5	2741.4	2794.5	2671.0	2356.3	2076.9	2053.1	2056.7	2147.3	2348.7
50°	2594.6	2620.4	2777.3	2926.6	2867.4	2595.1	2339.6	2322.9	2309.2	2440.8	2559.7
52.5°	2494.4	2522.8	2773.8	3010.6	3027.8	2820.8	2610.8	2601.2	2598.2	2752.5	2795.5
55°	2199.4	2247.0	2651.8	3032.9	3153.3	3033.4	2904.8	2888.7	2904.3	3086.5	3033.9
57.5°	2035.9	2071.4	2412.9	3008.1	3256.1	3235.8	3198.4	3199.9	3217.6	3449.4	3322.9
60°	1942.8	1984.3	2280.4	2940.3	3354.7	3481.8	3505.6	3505.6	3537.4	3840.6	3616.4
62.5°	1819.3	1861.3	2156.4	2809.7	3445.8	3771.2	3891.7	3890.2	3902.8	4260.1	3903.3
65°	1568.8	1607.8	1907.4	2603.7	3490.4	4090.1	4330.5	4325.9	4300.6	4633.6	4093.1
67.5°	1139.2	1176.1	1461.0	2212.0	3329.9	4347.2	4782.4	4784.4	4633.1	4868.9	4103.2
70°	751.0	776.3	939.3	1436.7	2708.0	4236.3	4971.6	4977.7	4684.2	4722.2	3651.8
72.5°	468.6	486.3	586.5	856.8	1600.2	3353.2	4485.8	4502.5	4214.1	4149.8	3000.5
75°	311.2	323.4	390.2	499.5	740.4	1814.8	3409.9	3463.6	3377.5	3253.0	2090.6
77.5°	187.2	197.4	248.5	317.3	327.9	709.0	1990.4	2129.0	2141.2	1698.4	875.5
80°	85.5	97.2	137.1	181.2	174.6	247.0	701.9	734.3	866.4	539.5	276.3
82.5°	50.6	55.7	91.1	90.1	74.4	119.9	252.5	259.1	220.1	197.4	117.9
85°	20.2	23.8	38.5	33.9	27.3	39.0	95.1	99.7	95.6	86.0	43.5
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	8.6	9.1	13.2	23.8	13.2
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°	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4	1158.4
2.5°	1167.0	1164.0	1179.1	1190.8	1195.8	1200.9	1196.4	1194.8	1194.8	1184.7	1179.7
5°	1179.7	1181.2	1201.9	1211.5	1211.5	1207.5	1195.3	1186.7	1183.7	1170.5	1167.0
7.5°	1203.4	1210.0	1229.2	1228.7	1214.6	1192.3	1161.9	1138.7	1117.4	1108.3	1102.7
10°	1242.4	1251.0	1264.2	1242.9	1203.4	1144.7	1080.5	1029.9	999.5	975.2	975.2
12.5°	1286.9	1295.0	1292.5	1243.4	1161.9	1052.1	959.5	901.3	858.8	836.5	836.5
15°	1331.5	1338.1	1310.7	1220.1	1075.4	929.1	827.9	758.1	721.2	700.4	700.4
17.5°	1376.5	1376.0	1318.3	1166.5	962.5	793.0	693.8	639.7	627.0	623.5	623.0
20°	1420.0	1408.4	1308.7	1076.9	831.5	655.9	593.1	596.7	615.4	623.5	624.5
22.5°	1469.1	1440.3	1280.4	962.5	682.7	560.7	564.8	594.1	621.5	633.6	635.1
25°	1519.2	1467.6	1232.8	828.4	558.2	525.8	557.2	590.1	620.9	636.6	638.2
27.5°	1539.5	1467.6	1151.8	673.1	491.9	511.1	545.5	577.4	609.8	628.0	631.6
30°	1556.2	1455.0	1038.5	532.9	464.6	497.0	526.8	556.2	588.1	610.3	614.4
32.5°	1579.4	1443.8	901.3	447.9	451.9	483.3	504.0	528.8	557.7	572.4	570.8
35°	1606.8	1426.6	735.8	407.4	441.3	471.7	486.3	501.0	487.9	487.3	488.9
37.5°	1645.7	1411.4	591.6	389.2	434.2	463.6	475.7	444.3	426.1	418.5	415.5
40°	1701.9	1405.4	466.6	378.5	433.2	463.1	454.5	405.9	381.1	354.8	354.2
42.5°	1772.8	1400.8	385.6	373.5	436.7	474.7	425.1	380.6	329.5	317.8	316.8
45°	1863.9	1393.7	345.1	372.5	445.3	483.8	422.1	345.6	310.7	305.7	305.7
47.5°	1973.7	1382.6	326.9	372.5	455.0	479.8	413.0	338.1	302.1	307.7	311.2
50°	2099.7	1368.4	317.3	371.5	464.6	479.8	393.7	336.5	300.1	328.9	340.6
52.5°	2234.3	1352.2	310.7	367.4	471.2	480.3	394.7	341.6	302.1	334.0	343.6
55°	2383.1	1349.7	301.6	358.8	473.2	467.1	397.3	352.7	305.2	302.6	303.1
57.5°	2570.8	1380.1	295.0	346.2	465.1	440.3	402.3	360.8	301.6	302.1	305.7
60°	2767.2	1437.2	300.6	334.0	448.4	415.0	405.9	356.8	284.4	276.3	277.3
62.5°	2934.2	1480.8	305.2	328.4	424.1	392.7	402.3	347.7	274.8	272.8	277.3
65°	3004.0	1444.8	294.0	316.8	388.7	365.4	394.7	336.0	266.7	259.1	259.6
67.5°	2926.6	1276.3	272.3	291.0	348.7	330.5	382.6	320.8	255.6	246.5	244.4
70°	2500.0	937.8	234.8	250.0	300.1	289.5	363.9	301.1	237.9	231.3	226.7
72.5°	2014.7	664.0	194.8	198.9	235.3	243.9	331.5	276.3	217.6	198.9	192.3
75°	1402.3	417.0	162.4	158.4	170.0	186.2	258.6	229.3	187.8	168.0	161.9
77.5°	603.2	214.1	127.0	125.0	113.4	129.0	198.4	191.3	157.4	134.6	131.1
80°	201.9	124.0	91.6	88.1	75.4	90.6	139.7	152.8	123.5	99.7	93.6
82.5°	101.2	71.9	58.2	52.6	50.6	57.2	82.5	95.1	85.5	68.8	58.2
85°	49.6	41.0	31.9	31.4	26.3	24.8	34.4	40.5	38.5	28.3	26.8
87.5°	18.2	16.2	10.1	8.1	5.1	3.5	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)