

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: P631887

Luminaire Tested: GWS-SA2B-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631887
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-SA2B-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7046.5 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

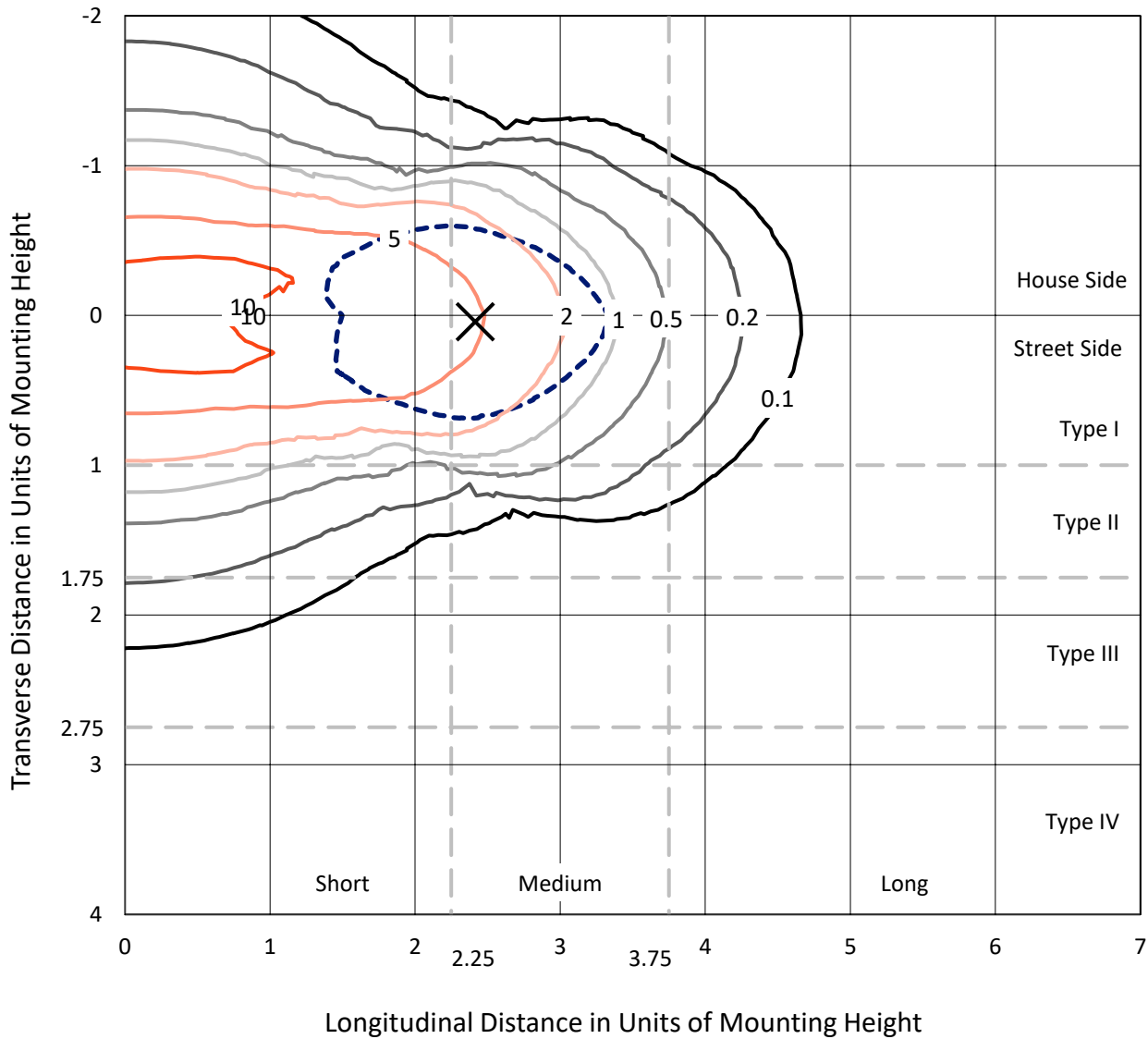
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

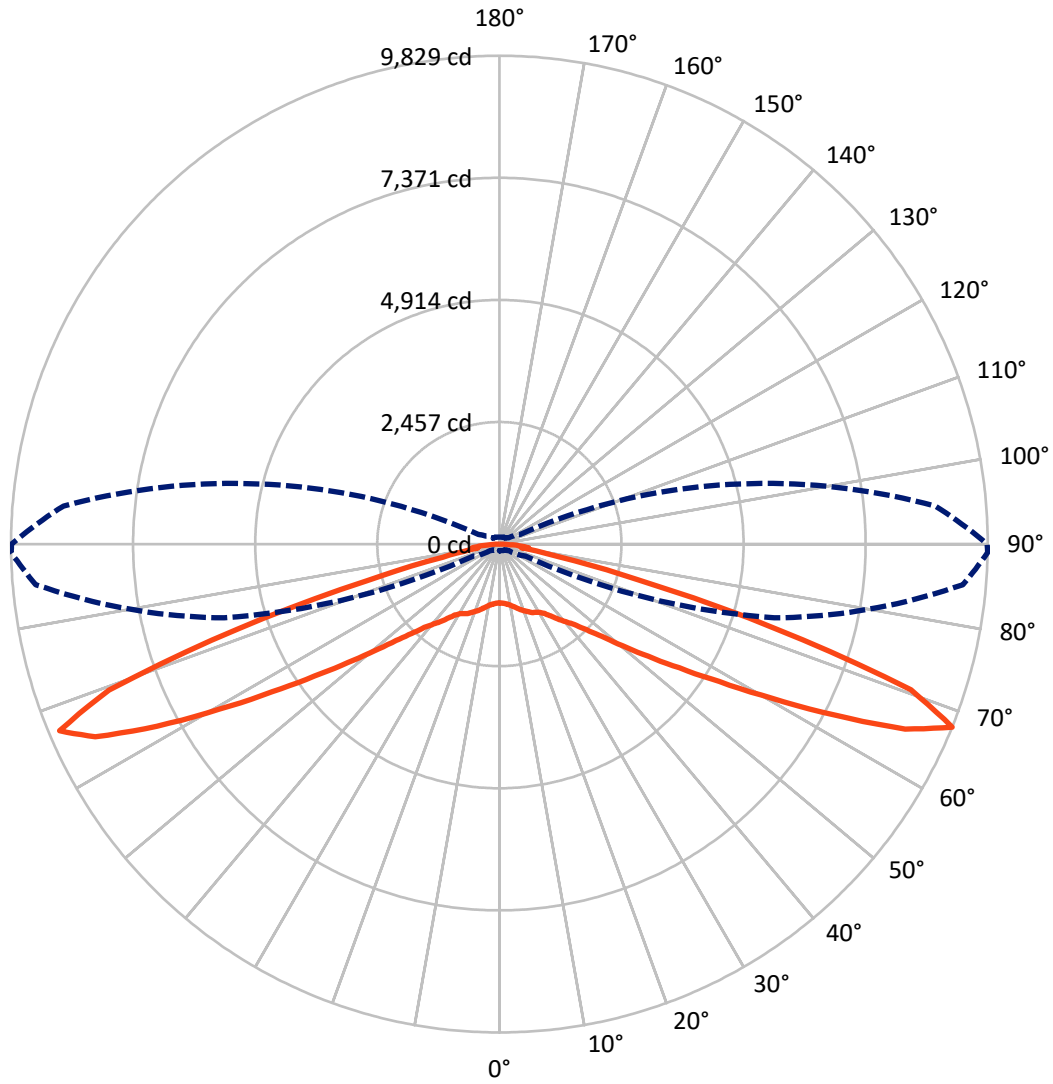
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 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	3492.4	0.0	3492.4
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3554.1	0.0	3554.1
	% Fixture	50.4	0.0	50.4
Total	Lumens	7046.5	0.0	7046.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.7
10°-20°	386.3	5.5
20°-30°	653.0	9.3
30°-40°	896.2	12.7
40°-50°	1142.8	16.2
50°-60°	1433.8	20.3
60°-70°	1729.3	24.5
70°-80°	625.6	8.9
80°-90°	60.8	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°	7046.5	100.0
0°-180°	7046.5	100.0

Coefficient of Utilization



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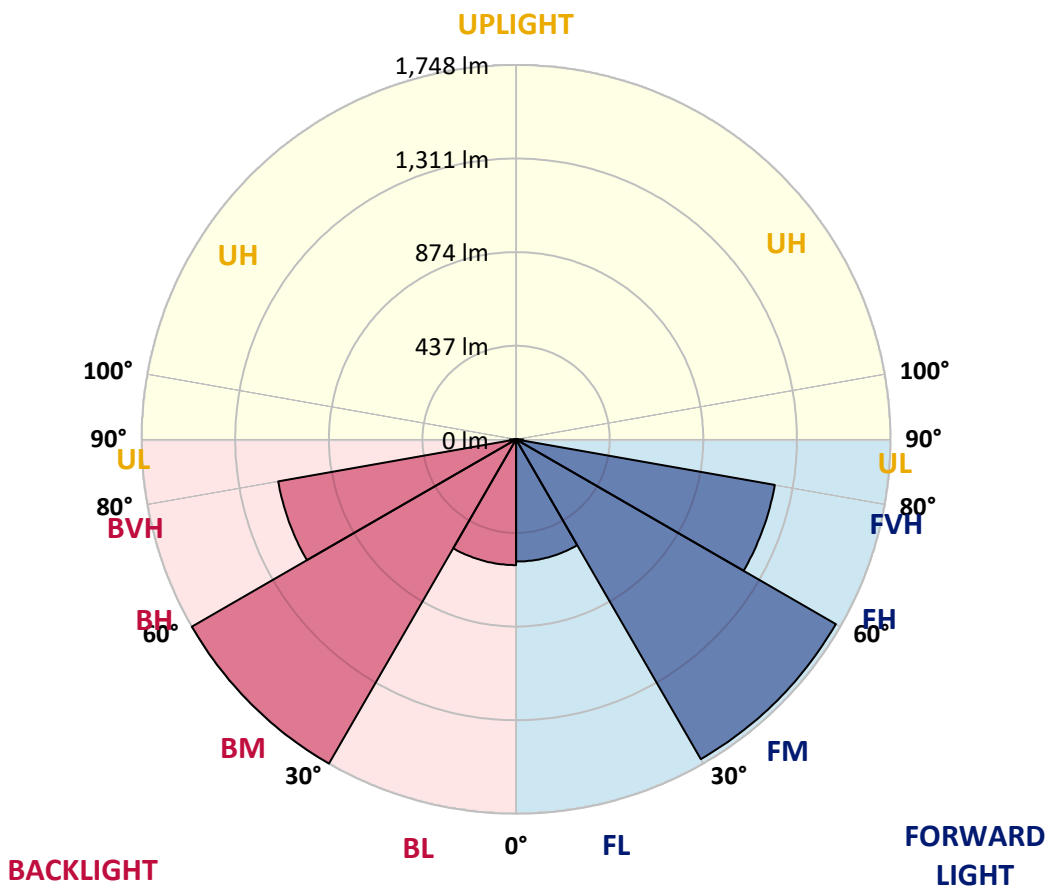
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.7	8.1			
FM (30°-60°)	1724.4	24.5			
FH (60°-80°)	1226.9	17.4			G1/1800
FVH (80°-90°)	32.1	0.5			G1/100
BL (0°-30°)	587.2	8.3	B2/1000		
BM (30°-60°)	1748.4	24.8	B2/2500		
BH (60°-80°)	1128.0	16.0	B3/2500		G3/2500
BVH (80°-90°)	28.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7
2.5°	1186.2	1185.2	1182.7	1190.3	1188.8	1189.3	1192.3	1190.3	1186.7	1180.7	1189.3
5°	1219.6	1219.1	1213.6	1218.1	1213.1	1209.5	1209.0	1204.0	1199.9	1193.3	1202.4
7.5°	1252.0	1251.5	1247.0	1255.1	1251.0	1247.0	1242.4	1232.3	1222.7	1213.1	1223.2
10°	1276.8	1276.3	1275.3	1286.9	1288.0	1289.5	1287.5	1270.2	1253.5	1241.9	1252.0
12.5°	1291.0	1292.5	1295.0	1316.3	1326.9	1337.1	1339.6	1325.4	1297.6	1280.9	1293.0
15°	1281.4	1284.4	1297.1	1335.5	1364.9	1387.7	1397.3	1385.6	1349.7	1321.9	1335.5
17.5°	1235.3	1237.9	1262.7	1321.4	1386.1	1438.8	1454.5	1447.4	1407.4	1373.5	1386.6
20°	1171.6	1177.1	1204.0	1285.9	1382.6	1474.2	1516.2	1513.7	1470.1	1418.0	1433.7
22.5°	1113.9	1120.5	1148.8	1239.4	1358.8	1483.3	1578.4	1585.0	1527.3	1462.6	1475.2
25°	1049.1	1055.2	1091.6	1184.2	1317.8	1476.2	1631.6	1661.4	1592.1	1513.7	1525.3
27.5°	982.8	987.4	1023.3	1122.0	1264.2	1463.1	1673.6	1745.5	1655.9	1549.1	1557.2
30°	924.6	930.7	963.6	1059.7	1205.5	1436.7	1708.0	1835.0	1729.3	1589.1	1595.7
32.5°	868.4	873.5	909.4	998.5	1143.2	1396.3	1738.9	1940.3	1838.1	1663.5	1663.5
35°	797.6	806.7	847.2	939.8	1084.5	1342.6	1761.1	2062.8	1986.9	1773.3	1773.8
37.5°	732.3	737.4	779.9	873.5	1022.8	1281.9	1763.2	2189.8	2175.1	1913.0	1914.0
40°	657.9	664.5	710.0	802.6	951.9	1218.1	1743.9	2308.2	2372.5	2056.7	2051.1
42.5°	582.5	592.1	635.6	726.2	875.5	1140.2	1692.8	2421.1	2623.0	2223.2	2209.5
45°	509.6	515.7	559.2	644.7	788.0	1047.1	1610.8	2529.4	2920.6	2476.2	2456.5
47.5°	427.6	430.2	475.2	557.2	697.4	943.3	1493.4	2626.0	3247.5	2811.2	2777.3
50°	354.8	358.3	393.7	464.1	586.5	820.3	1347.2	2682.7	3664.0	3268.2	3209.5
52.5°	286.9	290.5	318.8	375.0	484.8	680.2	1166.0	2669.5	4086.6	3835.5	3750.0
55°	231.8	234.3	253.5	297.6	381.6	541.0	951.9	2551.6	4555.7	4576.4	4392.2
57.5°	195.9	196.9	210.0	236.8	298.1	417.0	734.8	2273.3	5047.6	5521.8	5219.2
60°	175.1	175.6	181.7	198.4	235.3	318.3	538.5	1830.0	5557.2	6704.5	6289.5
62.5°	161.9	161.9	167.0	176.6	195.3	244.9	395.8	1314.3	5923.1	7991.4	7579.0
65°	149.3	149.3	152.8	160.9	171.1	199.9	297.1	847.7	6102.8	9067.4	8975.8
67.5°	133.1	133.6	136.1	144.7	153.8	167.0	225.2	573.4	5729.8	9364.9	9828.5
70°	117.9	118.4	122.0	127.5	135.1	144.2	176.1	395.2	4170.6	7799.6	8788.0
72.5°	101.2	103.2	105.8	111.8	116.4	123.0	143.7	256.1	2426.6	5017.2	5809.2
75°	83.0	85.5	88.6	94.6	97.7	100.2	118.4	182.7	1167.5	2542.5	2895.3
77.5°	64.3	66.8	70.3	75.9	77.9	81.0	90.6	132.1	559.2	1127.0	1215.1
80°	43.0	44.0	47.1	53.6	57.2	59.2	66.8	90.1	242.9	452.4	448.4
82.5°	26.3	26.8	27.8	31.9	33.4	35.4	43.5	55.2	115.9	514.2	589.6
85°	9.6	9.1	8.6	11.1	13.2	15.2	20.2	27.8	50.6	353.2	395.2
87.5°	0.0	0.0	0.0	0.5	1.0	1.0	2.0	4.0	12.1	132.1	90.6
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°	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7
2.5°	1186.7	1181.2	1188.3	1193.3	1204.5	1208.5	1209.5	1206.0	1206.0	1199.9	1200.9
5°	1200.4	1196.9	1208.5	1217.1	1233.3	1239.4	1243.4	1240.9	1242.4	1238.4	1239.4
7.5°	1221.2	1218.1	1238.4	1255.1	1271.8	1278.9	1282.4	1280.4	1280.9	1275.8	1277.3
10°	1250.0	1251.0	1275.3	1297.1	1319.3	1326.4	1327.9	1321.9	1316.8	1307.7	1308.2
12.5°	1289.5	1294.5	1329.0	1353.2	1376.0	1386.1	1375.0	1352.7	1332.0	1316.3	1314.3
15°	1332.5	1341.6	1391.2	1422.1	1446.9	1441.8	1408.9	1358.8	1317.8	1294.5	1290.0
17.5°	1384.1	1397.8	1460.0	1497.0	1518.2	1485.8	1417.0	1342.1	1284.9	1253.5	1247.5
20°	1432.7	1454.5	1532.9	1581.0	1583.5	1510.6	1413.5	1308.2	1236.3	1197.9	1189.8
22.5°	1477.2	1505.1	1609.3	1670.6	1637.7	1521.8	1391.7	1260.1	1177.6	1132.6	1125.5
25°	1525.8	1565.3	1698.4	1755.6	1691.8	1517.2	1346.2	1200.4	1106.8	1060.7	1055.7
27.5°	1559.2	1608.8	1788.0	1842.6	1736.3	1491.4	1287.5	1135.1	1042.0	998.5	991.4
30°	1597.7	1660.9	1886.6	1937.3	1763.7	1453.4	1224.7	1074.4	981.8	934.7	929.7
32.5°	1667.5	1747.0	2009.1	2037.5	1772.3	1406.4	1164.5	1015.7	919.0	872.0	864.9
35°	1779.9	1873.0	2181.2	2149.3	1765.7	1354.8	1107.3	946.9	854.8	810.7	803.6
37.5°	1921.6	2037.5	2373.0	2250.0	1747.5	1298.1	1039.5	889.2	797.1	752.5	748.5
40°	2053.7	2196.4	2588.1	2337.1	1710.5	1228.2	974.2	829.0	734.8	687.8	678.6
42.5°	2219.1	2408.9	2837.1	2412.5	1649.8	1144.7	900.8	754.6	656.9	614.4	603.2
45°	2470.7	2706.5	3126.5	2484.8	1559.2	1042.0	808.7	664.0	571.4	527.8	519.2
47.5°	2784.4	3078.5	3440.3	2527.8	1421.6	933.7	704.5	568.3	475.7	426.6	422.6
50°	3225.2	3619.5	3776.8	2520.3	1267.7	805.2	587.0	454.5	377.0	341.6	336.0
52.5°	3762.2	4298.6	4140.7	2429.2	1104.3	658.9	457.5	356.8	299.1	273.8	269.2
55°	4435.8	5111.9	4523.8	2233.8	897.8	504.6	359.3	281.4	241.9	226.7	224.7
57.5°	5269.8	6165.0	4892.7	1904.9	675.1	385.1	276.8	232.3	213.6	204.5	203.9
60°	6370.5	7282.9	5213.1	1480.3	483.3	294.5	228.7	207.5	192.8	186.7	186.2
62.5°	7679.2	8298.1	5412.5	1008.1	363.4	234.8	201.4	188.3	179.7	176.1	175.6
65°	9024.3	8939.8	5317.3	660.4	275.8	199.4	180.7	173.6	166.0	162.5	162.5
67.5°	9818.9	8804.2	4587.1	458.5	218.6	175.1	163.0	156.4	143.7	140.7	140.7
70°	8696.9	7134.1	3006.6	335.5	177.1	153.3	141.7	132.6	127.5	124.5	124.0
72.5°	5752.1	4642.2	1598.7	232.8	147.8	130.6	119.9	116.4	110.3	107.3	106.8
75°	2862.9	2438.3	819.3	168.0	123.0	104.8	100.2	98.7	93.6	89.6	88.6
77.5°	1193.3	1085.5	382.1	122.0	93.6	84.5	80.5	80.5	74.9	70.3	68.3
80°	449.9	400.8	180.7	83.5	69.3	62.8	60.2	58.2	53.6	48.1	45.0
82.5°	601.7	393.2	88.6	52.1	45.5	40.5	36.9	35.4	32.9	30.4	28.3
85°	389.7	279.4	40.0	26.8	22.8	17.2	15.2	14.2	12.7	11.1	10.1
87.5°	79.5	93.6	12.1	5.1	3.0	1.5	1.5	0.5	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)