

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: P630968

Luminaire Tested: GWS-SA1E-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630968
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-SA1E-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7771.9 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

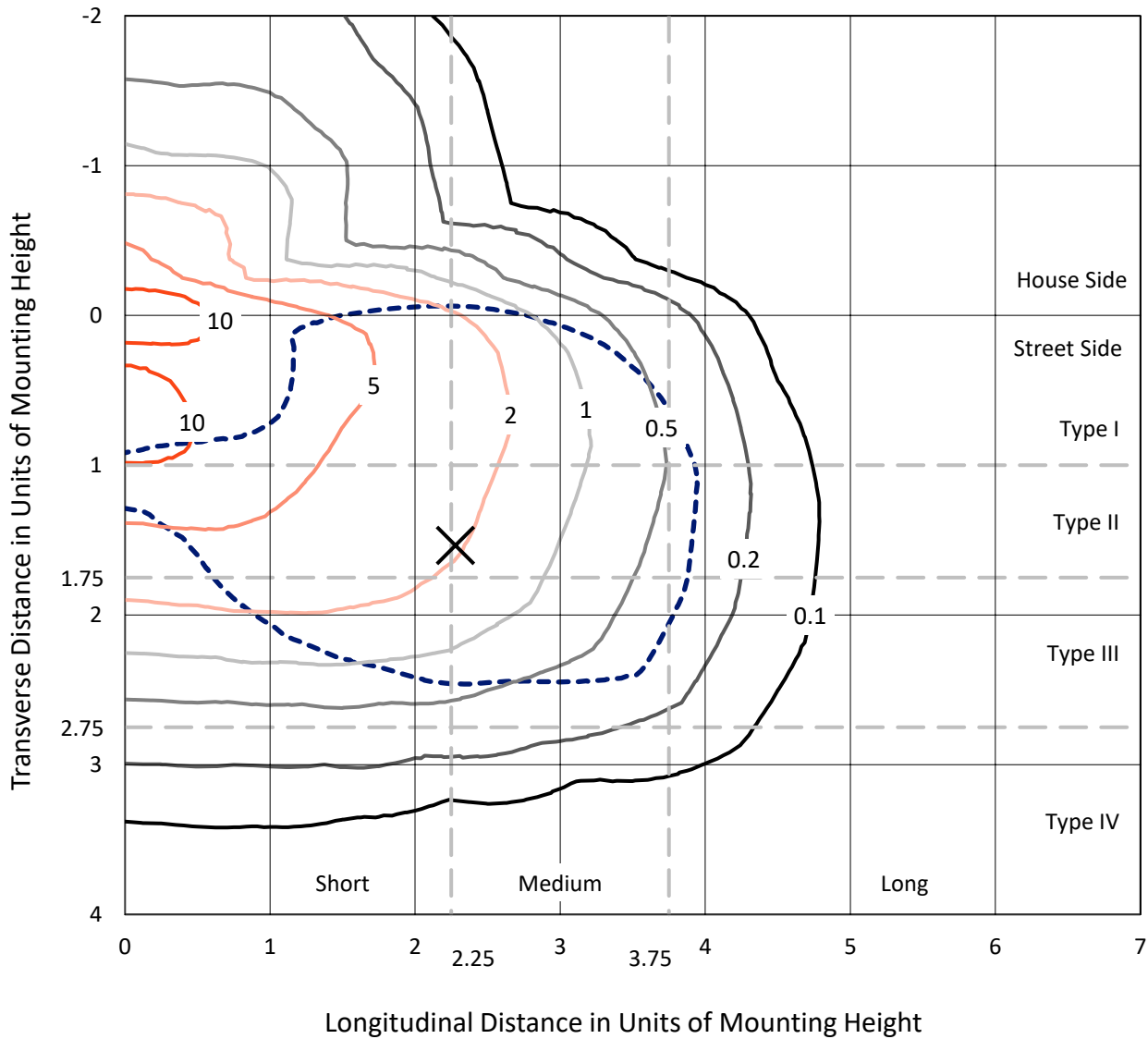
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

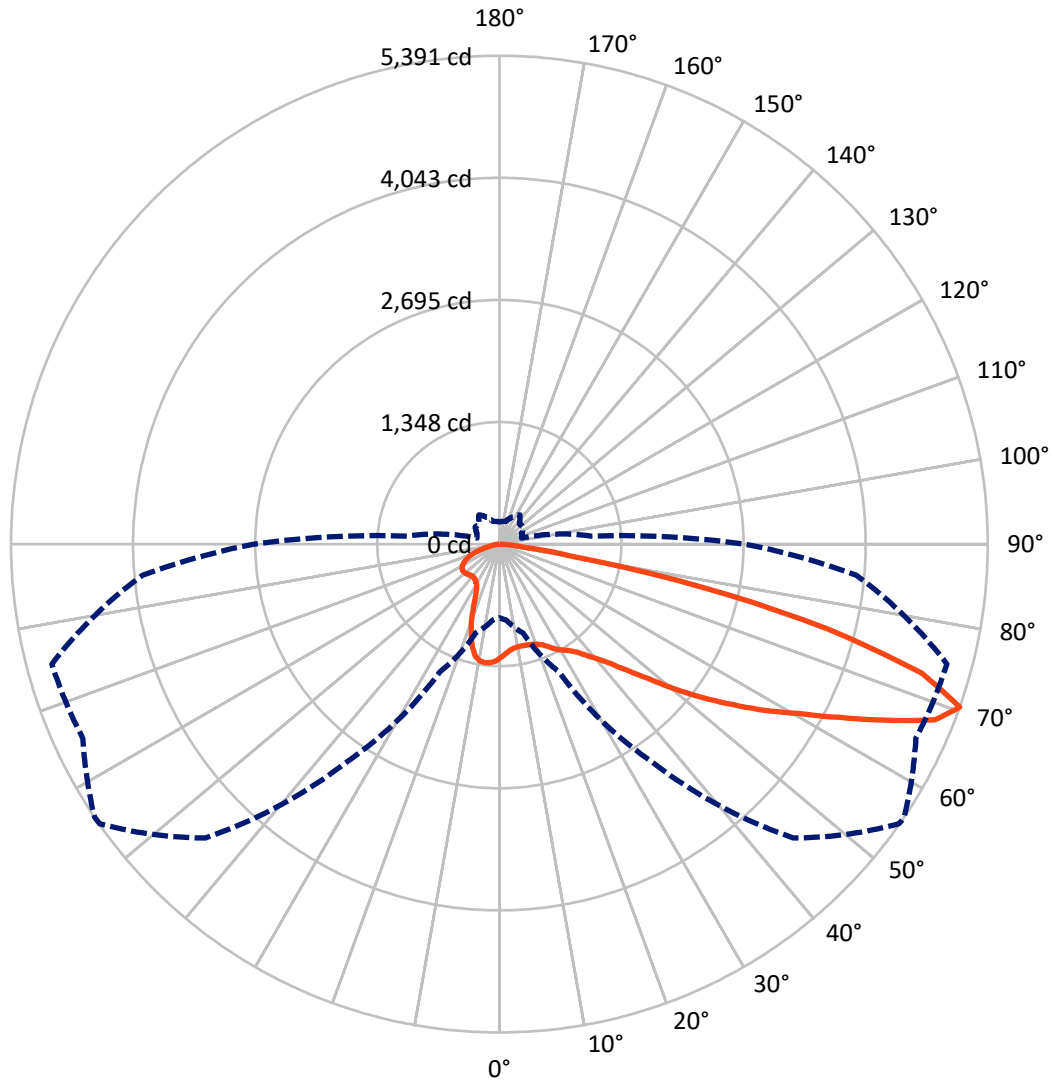
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 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	1494.2	0.0	1494.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	6277.7	0.0	6277.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	7771.9	0.0	7771.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	1.5
10°-20°	314.5	4.0
20°-30°	520.0	6.7
30°-40°	777.5	10.0
40°-50°	1157.1	14.9
50°-60°	1645.0	21.2
60°-70°	2037.4	26.2
70°-80°	1125.0	14.5
80°-90°	79.2	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°	7771.9	100.0
0°-180°	7771.9	100.0

Coefficient of Utilization



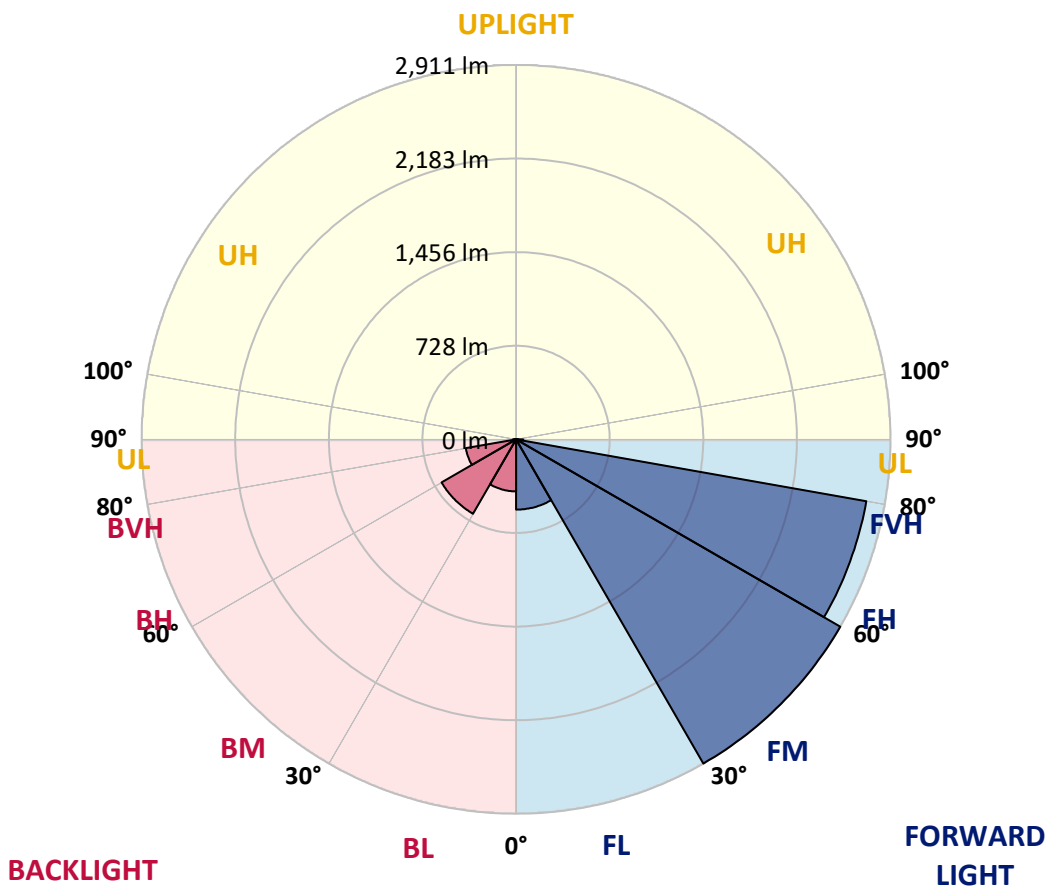
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	546.2	7.0			
FM (30°-60°)	2911.2	37.5			
FH (60°-80°)	2765.2	35.6			G2/5000
FVH (80°-90°)	55.1	0.7			G1/100
BL (0°-30°)	404.5	5.2	B1/500		
BM (30°-60°)	668.4	8.6	B1/1000		
BH (60°-80°)	397.1	5.1	B1/500		G1/500
BVH (80°-90°)	24.2	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°	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5
2.5°	1173.9	1167.4	1175.0	1178.9	1188.7	1203.0	1215.6	1216.1	1222.7	1238.6	1254.0
5°	1120.8	1117.5	1119.7	1131.2	1141.6	1159.7	1178.9	1180.5	1199.2	1230.4	1261.1
7.5°	1079.7	1075.3	1083.5	1098.3	1111.5	1131.7	1156.9	1159.1	1185.4	1232.6	1279.7
10°	1020.5	1017.2	1032.5	1052.3	1080.8	1114.2	1147.6	1150.4	1184.9	1246.8	1312.6
12.5°	994.7	994.7	1001.3	1019.9	1051.2	1095.6	1146.0	1150.4	1193.7	1268.8	1354.8
15°	1034.7	1037.5	1032.0	1030.9	1043.5	1085.7	1148.2	1154.8	1210.1	1291.2	1396.5
17.5°	1115.3	1118.0	1103.8	1081.3	1068.7	1095.0	1156.4	1163.5	1227.6	1315.9	1441.4
20°	1228.2	1231.5	1200.2	1165.7	1122.4	1121.9	1172.3	1178.9	1250.1	1342.7	1489.1
22.5°	1360.3	1362.5	1323.0	1268.2	1201.9	1171.7	1199.7	1206.3	1279.2	1380.0	1540.6
25°	1513.2	1519.8	1472.1	1392.6	1302.7	1240.3	1245.2	1252.9	1331.2	1429.9	1601.4
27.5°	1676.5	1684.7	1629.9	1542.2	1418.4	1315.9	1303.8	1310.4	1386.6	1460.6	1633.8
30°	1843.7	1849.7	1794.9	1694.6	1542.8	1401.4	1353.2	1357.0	1410.7	1475.4	1666.6
32.5°	2029.5	2024.5	1971.9	1856.3	1686.4	1503.9	1399.2	1398.1	1437.6	1505.0	1713.8
35°	2203.7	2210.9	2155.0	2027.3	1844.2	1630.5	1468.2	1463.9	1494.6	1553.2	1780.1
37.5°	2414.7	2412.6	2345.7	2207.6	2002.6	1751.6	1565.3	1557.6	1568.5	1628.3	1872.7
40°	2565.5	2580.8	2537.5	2408.7	2187.8	1900.7	1678.7	1661.7	1664.5	1720.9	1996.6
42.5°	2688.8	2703.0	2707.4	2625.2	2399.9	2084.8	1820.1	1803.1	1804.8	1884.8	2148.9
45°	2783.6	2802.8	2864.7	2840.6	2638.9	2297.5	2011.4	1993.8	1994.9	2083.7	2333.1
47.5°	2822.5	2843.3	2968.8	3026.4	2892.6	2551.8	2249.2	2223.5	2227.3	2325.4	2543.5
50°	2809.9	2837.8	3007.7	3169.4	3105.3	2810.4	2533.7	2515.6	2500.8	2643.3	2772.1
52.5°	2701.4	2732.1	3003.9	3260.4	3279.0	3054.9	2827.4	2817.0	2813.7	2980.9	3027.5
55°	2381.9	2433.4	2871.8	3284.5	3414.9	3285.1	3145.9	3128.3	3145.3	3342.6	3285.6
57.5°	2204.8	2243.2	2613.1	3257.7	3526.2	3504.3	3463.7	3465.4	3484.6	3735.6	3598.5
60°	2104.0	2148.9	2469.5	3184.2	3633.1	3770.6	3796.4	3796.4	3830.9	4159.2	3916.4
62.5°	1970.3	2015.8	2335.3	3042.8	3731.7	4084.1	4214.6	4212.9	4226.6	4613.6	4227.2
65°	1699.0	1741.2	2065.6	2819.8	3780.0	4429.4	4689.7	4684.8	4657.4	5018.0	4432.7
67.5°	1233.7	1273.7	1582.2	2395.6	3606.2	4707.8	5179.1	5181.3	5017.5	5272.9	4443.7
70°	813.3	840.7	1017.2	1555.9	2932.7	4587.8	5384.1	5390.7	5072.8	5113.9	3954.8
72.5°	507.5	526.7	635.2	927.9	1733.0	3631.4	4858.0	4876.1	4563.7	4494.1	3249.4
75°	337.1	350.2	422.6	540.9	801.8	1965.3	3692.8	3750.9	3657.7	3522.9	2264.0
77.5°	202.8	213.7	269.1	343.6	355.1	767.8	2155.5	2305.7	2318.8	1839.3	948.1
80°	92.6	105.2	148.5	196.2	189.1	267.5	760.2	795.2	938.3	584.2	299.2
82.5°	54.8	60.3	98.7	97.6	80.6	129.9	273.5	280.6	238.4	213.7	127.7
85°	21.9	25.8	41.7	36.7	29.6	42.2	103.0	108.0	103.6	93.2	47.1
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	9.3	9.9	14.2	25.8	14.2
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°	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5
2.5°	1263.8	1260.5	1277.0	1289.6	1295.1	1300.5	1295.6	1294.0	1294.0	1283.0	1277.5
5°	1277.5	1279.2	1301.6	1312.1	1312.1	1307.7	1294.5	1285.2	1281.9	1267.7	1263.8
7.5°	1303.3	1310.4	1331.2	1330.7	1315.3	1291.2	1258.3	1233.1	1210.1	1200.2	1194.2
10°	1345.5	1354.8	1369.0	1346.0	1303.3	1239.7	1170.1	1115.3	1082.4	1056.1	1056.1
12.5°	1393.7	1402.5	1399.7	1346.6	1258.3	1139.4	1039.1	976.1	930.1	905.9	905.9
15°	1441.9	1449.1	1419.5	1321.4	1164.6	1006.2	896.6	821.0	781.0	758.5	758.5
17.5°	1490.7	1490.2	1427.7	1263.3	1042.4	858.8	751.4	692.7	679.0	675.2	674.7
20°	1537.9	1525.2	1417.3	1166.3	900.5	710.3	642.3	646.2	666.4	675.2	676.3
22.5°	1591.0	1559.8	1386.6	1042.4	739.3	607.2	611.6	643.4	673.0	686.2	687.8
25°	1645.3	1589.4	1335.1	897.2	604.5	569.4	603.4	639.0	672.5	689.5	691.1
27.5°	1667.2	1589.4	1247.4	728.9	532.7	553.5	590.8	625.3	660.4	680.1	684.0
30°	1685.3	1575.7	1124.6	577.1	503.1	538.2	570.5	602.3	636.8	661.0	665.3
32.5°	1710.5	1563.6	976.1	485.0	489.4	523.4	545.9	572.7	604.0	619.9	618.2
35°	1740.1	1545.0	796.9	441.2	477.9	510.8	526.7	542.6	528.3	527.8	529.4
37.5°	1782.3	1528.5	640.7	421.5	470.2	502.0	515.2	481.2	461.5	453.2	450.0
40°	1843.1	1522.0	505.3	409.9	469.1	501.5	492.2	439.5	412.7	384.2	383.6
42.5°	1919.8	1517.0	417.6	404.5	473.0	514.1	460.4	412.1	356.8	344.2	343.1
45°	2018.5	1509.4	373.8	403.4	482.3	523.9	457.1	374.3	336.5	331.0	331.0
47.5°	2137.4	1497.3	354.0	403.4	492.7	519.6	447.2	366.1	327.2	333.2	337.1
50°	2273.9	1481.9	343.6	402.3	503.1	519.6	426.4	364.5	325.0	356.2	368.8
52.5°	2419.7	1464.4	336.5	397.9	510.2	520.1	427.5	369.9	327.2	361.7	372.1
55°	2580.8	1461.7	326.6	388.6	512.4	505.9	430.2	382.0	330.5	327.7	328.3
57.5°	2784.1	1494.6	319.5	374.9	503.7	476.8	435.7	390.8	326.6	327.2	331.0
60°	2996.8	1556.5	325.5	361.7	485.6	449.4	439.5	386.4	308.0	299.2	300.3
62.5°	3177.6	1603.6	330.5	355.7	459.3	425.3	435.7	376.5	297.6	295.4	300.3
65°	3253.3	1564.7	318.4	343.1	420.9	395.7	427.5	363.9	288.8	280.6	281.2
67.5°	3169.4	1382.2	294.9	315.1	377.6	357.9	414.3	347.5	276.8	266.9	264.7
70°	2707.4	1015.6	254.3	270.7	325.0	313.5	394.1	326.1	257.6	250.5	245.5
72.5°	2181.8	719.1	211.0	215.4	254.8	264.2	359.0	299.2	235.7	215.4	208.3
75°	1518.7	451.6	175.9	171.5	184.1	201.7	280.1	248.3	203.3	182.0	175.4
77.5°	653.3	231.8	137.6	135.4	122.8	139.8	214.8	207.2	170.4	145.8	141.9
80°	218.7	134.3	99.2	95.4	81.7	98.1	151.3	165.5	133.7	108.0	101.4
82.5°	109.6	77.8	63.0	57.0	54.8	61.9	89.3	103.0	92.6	74.5	63.0
85°	53.7	44.4	34.5	34.0	28.5	26.9	37.3	43.8	41.7	30.7	29.0
87.5°	19.7	17.5	11.0	8.8	5.5	3.8	2.2	2.2	1.6	1.6	1.6
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)