

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: P634594

Luminaire Tested: GWS-SA3C-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10282.1 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

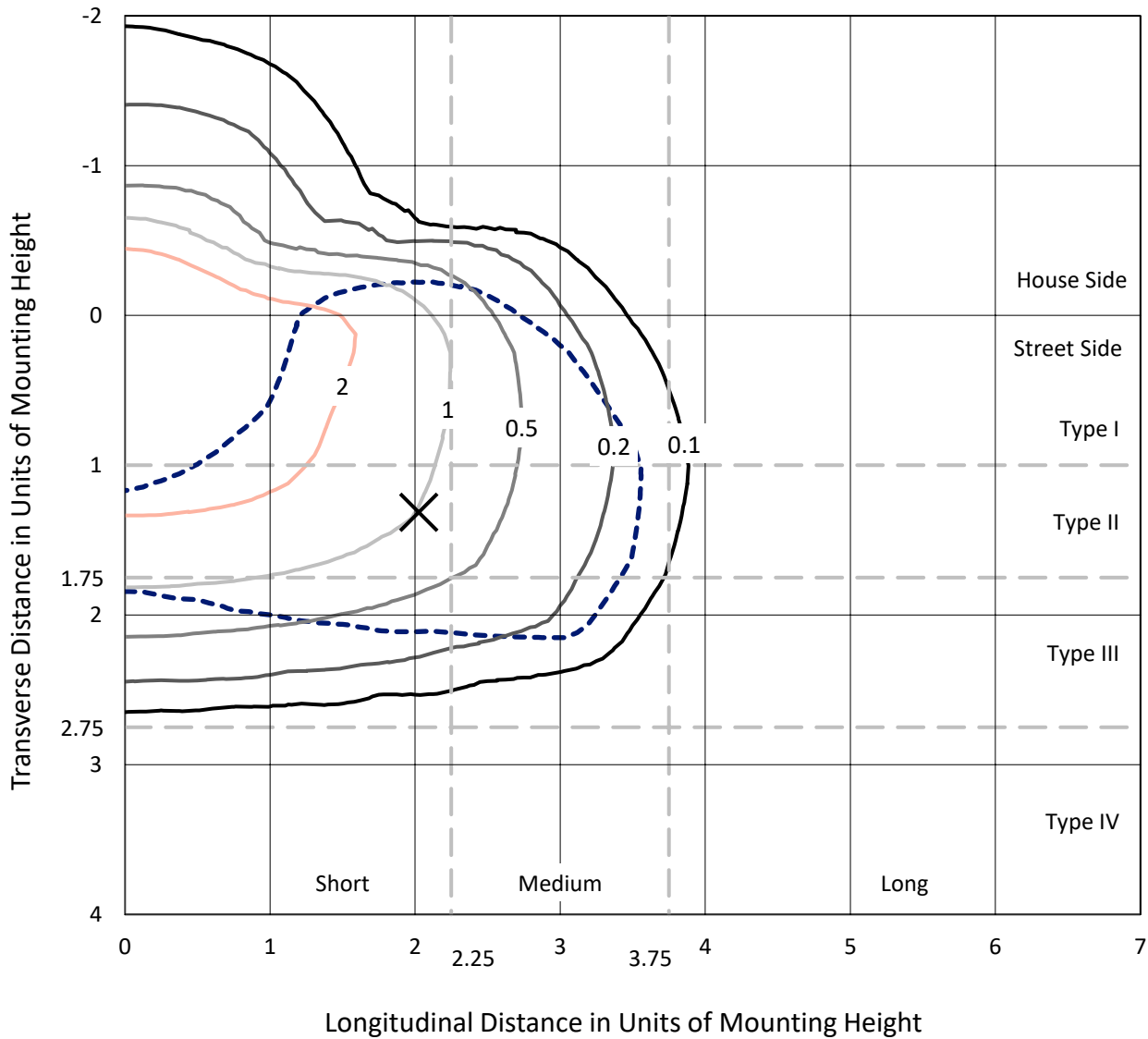
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

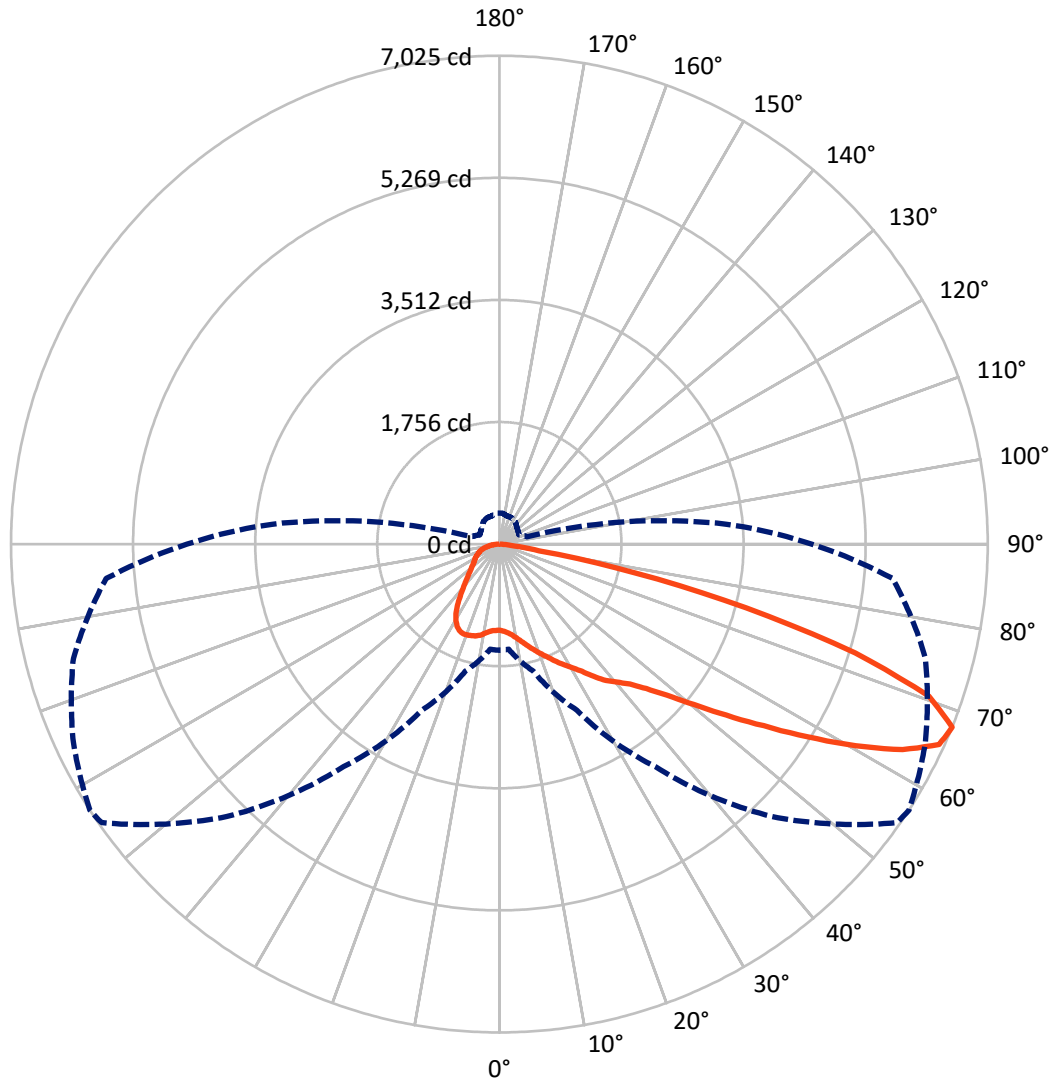
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2260.6	0.0	2260.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8021.4	0.0	8021.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	10282.1	0.0	10282.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	1.2
10°-20°	406.8	4.0
20°-30°	725.2	7.1
30°-40°	1054.4	10.3
40°-50°	1526.0	14.8
50°-60°	2388.2	23.2
60°-70°	2785.9	27.1
70°-80°	1163.0	11.3
80°-90°	109.7	1.1
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°	10282.1	100.0
0°-180°	10282.1	100.0

Coefficient of Utilization



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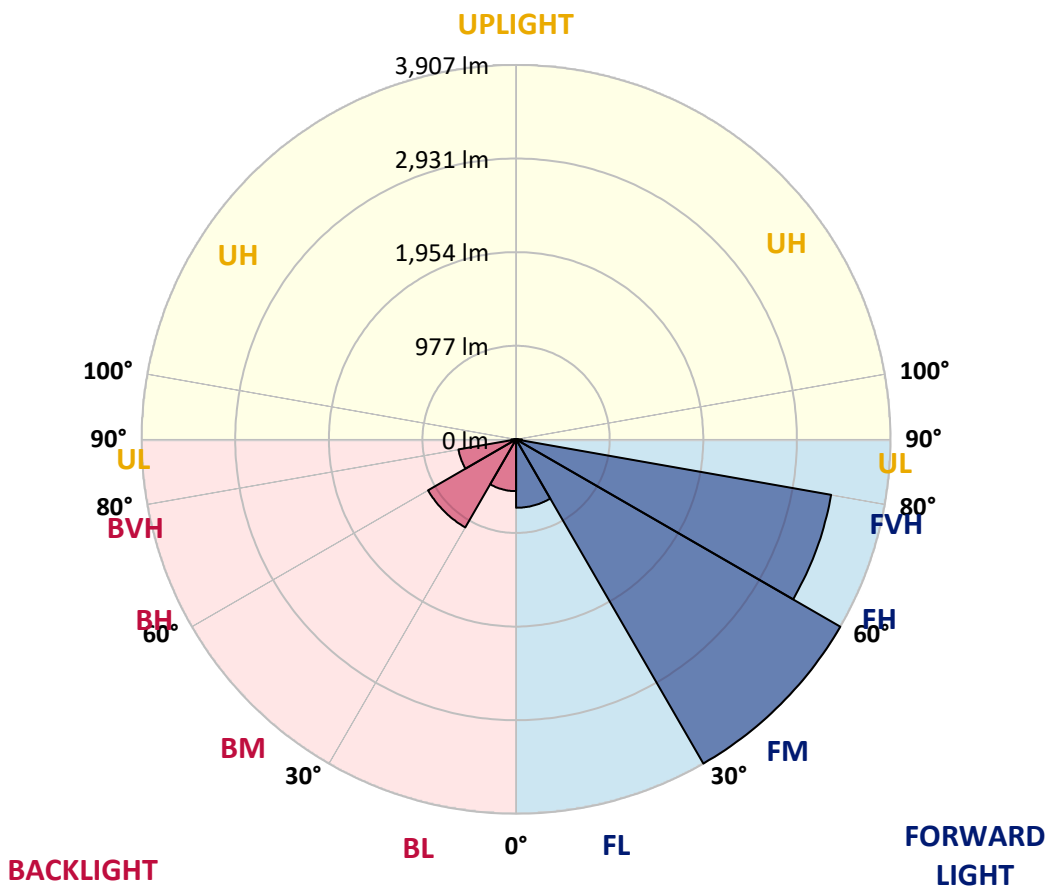
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	714.2	6.9			
FM (30°-60°)	3907.3	38.0			
FH (60°-80°)	3338.8	32.5			G2/5000
FVH (80°-90°)	61.1	0.6			G1/100
BL (0°-30°)	540.7	5.3	B2/1000		
BM (30°-60°)	1061.2	10.3	B2/2500		
BH (60°-80°)	610.2	5.9	B2/1000		G2/1000
BVH (80°-90°)	48.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9
2.5°	1256.6	1255.1	1254.4	1258.8	1257.3	1256.6	1256.6	1255.9	1254.4	1248.5	1240.4
5°	1291.2	1288.3	1285.3	1289.0	1286.1	1283.1	1282.4	1280.9	1275.8	1266.9	1254.4
7.5°	1327.3	1324.4	1325.1	1327.3	1325.1	1323.6	1321.4	1319.9	1311.8	1297.8	1280.9
10°	1378.1	1378.1	1379.6	1381.8	1382.6	1380.3	1375.9	1373.7	1364.1	1346.5	1322.9
12.5°	1451.8	1450.3	1450.3	1448.8	1451.1	1448.8	1444.4	1440.7	1429.0	1406.1	1372.2
15°	1549.0	1543.1	1538.0	1528.4	1525.5	1517.3	1518.8	1516.6	1505.6	1474.6	1431.9
17.5°	1652.9	1652.1	1644.0	1624.9	1605.7	1592.5	1595.4	1594.7	1588.8	1546.8	1492.3
20°	1744.2	1747.9	1740.5	1725.8	1700.0	1675.0	1673.5	1677.2	1669.8	1627.8	1552.0
22.5°	1846.6	1843.7	1836.3	1817.1	1798.0	1771.5	1762.6	1759.7	1756.7	1708.9	1613.1
25°	1943.8	1952.7	1943.1	1925.4	1896.0	1867.2	1859.9	1862.8	1854.7	1791.4	1678.7
27.5°	2066.8	2070.5	2064.6	2040.3	2015.3	1974.8	1960.8	1960.8	1957.8	1868.7	1730.2
30°	2197.9	2208.3	2197.9	2178.1	2152.3	2094.1	2063.9	2060.9	2052.1	1948.2	1790.6
32.5°	2329.8	2337.2	2329.8	2310.6	2281.2	2230.4	2186.9	2180.3	2168.5	2035.2	1852.5
35°	2446.9	2453.5	2452.1	2456.5	2432.2	2368.1	2341.6	2338.6	2307.7	2148.6	1936.5
37.5°	2575.1	2583.2	2572.1	2581.0	2571.4	2511.0	2502.9	2488.2	2444.0	2255.4	2024.9
40°	2720.9	2728.3	2710.6	2714.3	2703.2	2669.4	2628.1	2608.2	2542.7	2371.0	2164.1
42.5°	2877.1	2894.0	2902.1	2895.5	2869.7	2850.6	2778.4	2753.3	2698.8	2579.5	2393.1
45°	3103.2	3128.2	3140.0	3123.1	3112.0	3084.8	2996.4	2966.2	2937.5	2873.4	2712.8
47.5°	3347.0	3369.8	3407.4	3414.8	3423.6	3403.0	3278.5	3249.0	3254.2	3246.8	3106.1
50°	3541.5	3560.6	3645.3	3735.9	3811.1	3816.9	3657.8	3626.2	3654.2	3677.7	3579.8
52.5°	3682.9	3699.8	3811.8	3998.9	4169.0	4295.0	4123.4	4087.3	4110.1	4163.1	4118.2
55°	3797.8	3821.4	3938.5	4225.7	4569.7	4768.6	4658.9	4613.2	4603.6	4669.2	4694.9
57.5°	3858.2	3865.6	4029.8	4403.3	4863.6	5233.4	5281.3	5229.7	5138.4	5174.5	5308.5
60°	3720.5	3733.0	3957.6	4448.9	5095.6	5694.5	5934.6	5891.9	5697.4	5717.3	5865.4
62.5°	3339.6	3357.3	3627.6	4231.6	5114.8	6002.4	6537.9	6510.6	6249.9	6142.3	6186.5
65°	2678.9	2684.8	2964.7	3693.9	4734.0	6040.7	6958.4	6951.8	6635.8	6383.9	6194.6
67.5°	1527.7	1517.3	1891.5	2634.7	3906.8	5542.7	6985.7	7024.7	6761.0	6344.1	5679.0
70°	662.2	663.7	836.0	1300.1	2528.7	4479.9	6488.5	6555.5	6398.6	5682.0	4518.2
72.5°	306.4	310.8	385.2	562.7	1079.8	2779.1	5290.8	5351.2	5216.4	4547.6	3287.3
75°	216.6	220.2	257.1	322.6	496.5	1082.8	3539.3	3665.9	3731.5	3401.5	2166.3
77.5°	164.3	169.4	187.8	223.9	306.4	383.8	1693.4	1995.4	2376.9	2116.2	1115.9
80°	104.6	104.6	124.5	149.5	187.1	199.6	489.1	579.7	1163.1	872.1	438.3
82.5°	70.7	72.9	84.7	95.0	107.5	113.4	209.9	223.9	335.9	296.8	180.5
85°	37.6	39.0	44.2	43.5	51.6	44.9	88.4	87.7	123.0	134.8	68.5
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	9.6	10.3	25.8	41.2	22.8
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°	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9
2.5°	1244.8	1236.0	1240.4	1238.9	1243.3	1243.3	1235.2	1233.0	1233.8	1224.9	1222.0
5°	1255.9	1245.6	1247.8	1244.8	1249.2	1252.9	1249.2	1249.2	1253.7	1247.0	1243.3
7.5°	1280.9	1269.1	1269.1	1265.4	1270.6	1273.5	1270.6	1275.0	1283.1	1276.5	1272.8
10°	1320.7	1306.7	1307.4	1303.0	1305.2	1303.7	1292.0	1288.3	1290.5	1284.6	1281.6
12.5°	1372.2	1353.1	1353.1	1344.3	1339.1	1323.6	1299.3	1290.5	1292.0	1286.8	1284.6
15°	1421.6	1403.9	1400.2	1382.6	1359.0	1330.3	1308.2	1302.3	1303.7	1298.6	1294.9
17.5°	1479.8	1456.9	1443.7	1411.3	1367.8	1338.4	1316.3	1302.3	1290.5	1278.7	1275.8
20°	1533.6	1504.8	1480.5	1430.4	1377.4	1336.9	1295.6	1261.0	1232.3	1216.8	1213.1
22.5°	1588.8	1552.0	1509.2	1443.7	1376.7	1310.4	1234.5	1182.2	1139.5	1116.7	1121.1
25°	1641.1	1594.7	1536.5	1456.2	1353.1	1251.4	1148.3	1070.2	1021.6	1004.0	998.8
27.5°	1684.6	1627.1	1561.5	1450.3	1304.5	1166.7	1030.5	943.6	896.4	876.5	871.4
30°	1733.2	1668.3	1597.6	1423.1	1227.9	1048.1	897.2	826.4	792.6	773.4	774.1
32.5°	1789.1	1721.4	1648.5	1370.8	1129.9	920.0	787.4	738.8	711.5	692.4	689.4
35°	1864.3	1797.2	1682.3	1292.0	1005.4	802.1	712.3	672.5	638.6	613.6	608.4
37.5°	1957.1	1911.4	1686.0	1186.6	872.1	721.1	658.5	615.8	574.5	541.4	537.7
40°	2116.2	2063.9	1655.8	1054.8	758.7	668.8	613.6	564.2	516.3	479.5	474.4
42.5°	2343.1	2235.5	1591.0	906.0	673.2	627.6	570.8	508.2	459.6	433.8	430.2
45°	2631.8	2427.0	1493.8	766.0	609.9	587.1	525.9	460.4	434.6	416.2	412.5
47.5°	2985.3	2650.2	1381.8	657.0	560.5	550.2	480.2	444.2	421.3	405.9	402.2
50°	3408.1	2934.5	1289.7	571.6	516.3	507.5	465.5	434.6	416.2	403.6	400.7
52.5°	3890.6	3250.5	1244.8	510.4	478.0	469.2	460.4	432.4	416.9	407.3	403.6
55°	4391.5	3583.4	1202.8	463.3	445.6	450.8	461.1	439.7	428.0	415.4	411.7
57.5°	4875.4	3895.8	1099.7	426.5	422.1	441.9	464.8	447.1	433.1	420.6	416.2
60°	5209.1	4066.6	925.1	397.0	404.4	430.9	455.2	436.1	418.4	413.2	411.0
62.5°	5298.9	4046.0	718.2	366.8	383.0	406.6	430.2	417.6	399.2	407.3	408.1
65°	5089.0	3825.0	539.2	337.4	355.0	374.9	404.4	399.2	392.6	414.7	415.4
67.5°	4494.6	3282.2	411.0	311.6	326.3	350.6	396.3	417.6	419.1	447.1	444.2
70°	3400.8	2452.1	321.9	287.3	304.2	350.6	422.1	431.6	414.0	439.7	433.8
72.5°	2351.2	1618.3	274.0	265.9	277.0	334.4	421.3	421.3	402.2	402.2	391.1
75°	1460.6	951.7	238.7	238.7	238.7	292.4	409.5	388.2	354.3	338.8	330.0
77.5°	721.1	462.6	200.3	207.7	199.6	244.5	334.4	317.5	296.8	280.6	274.7
80°	307.9	231.3	162.0	170.1	160.6	184.1	265.2	261.5	241.6	220.2	213.6
82.5°	141.4	119.3	129.6	133.3	117.1	138.5	193.7	193.7	182.7	153.2	142.2
85°	60.4	63.3	89.9	89.9	73.7	78.1	103.9	98.7	88.4	72.2	66.3
87.5°	20.6	30.9	45.7	39.8	15.5	6.6	3.7	1.5	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)