

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: P634435

Luminaire Tested: GWS-SA3B-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10136.3 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

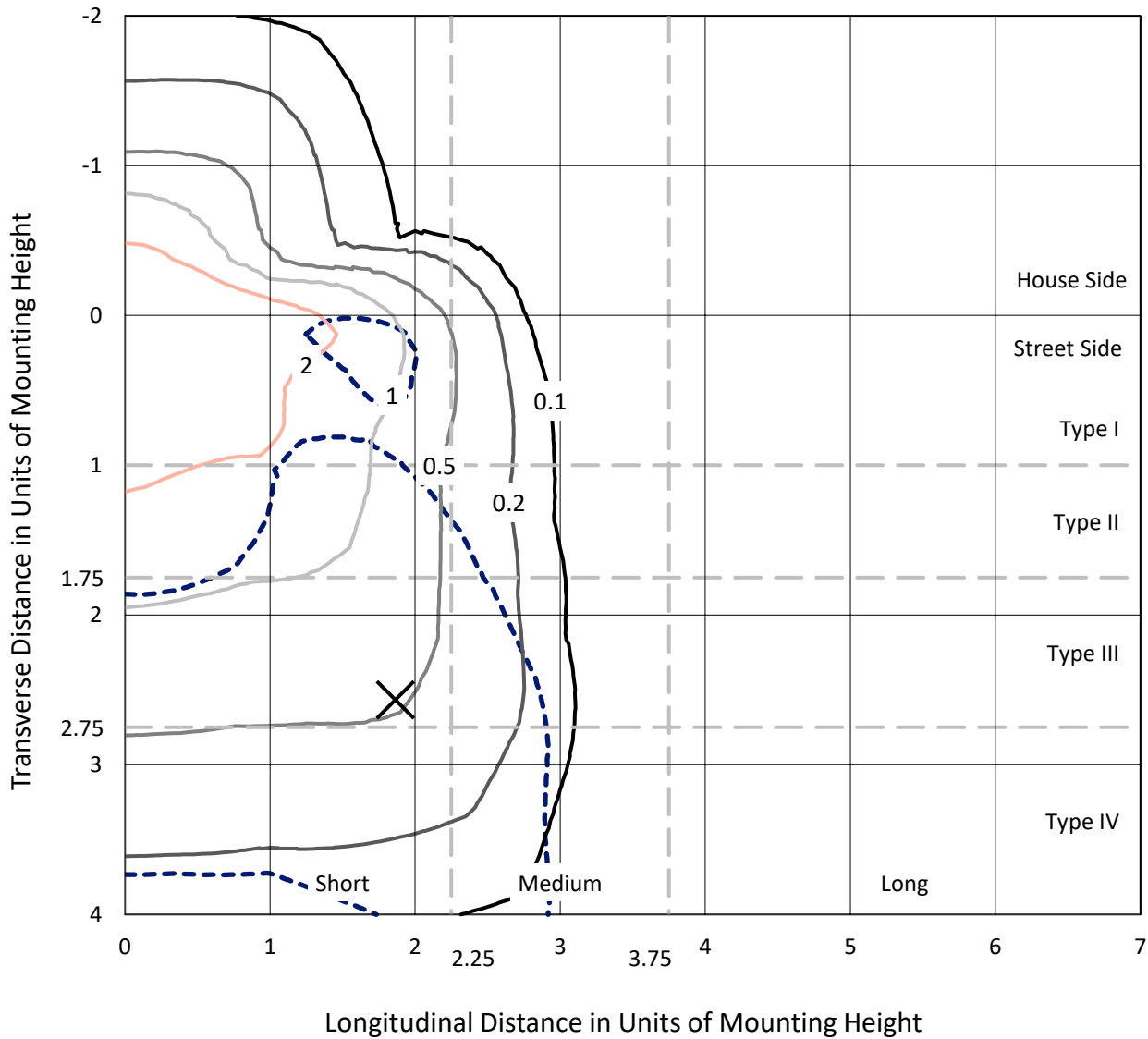
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

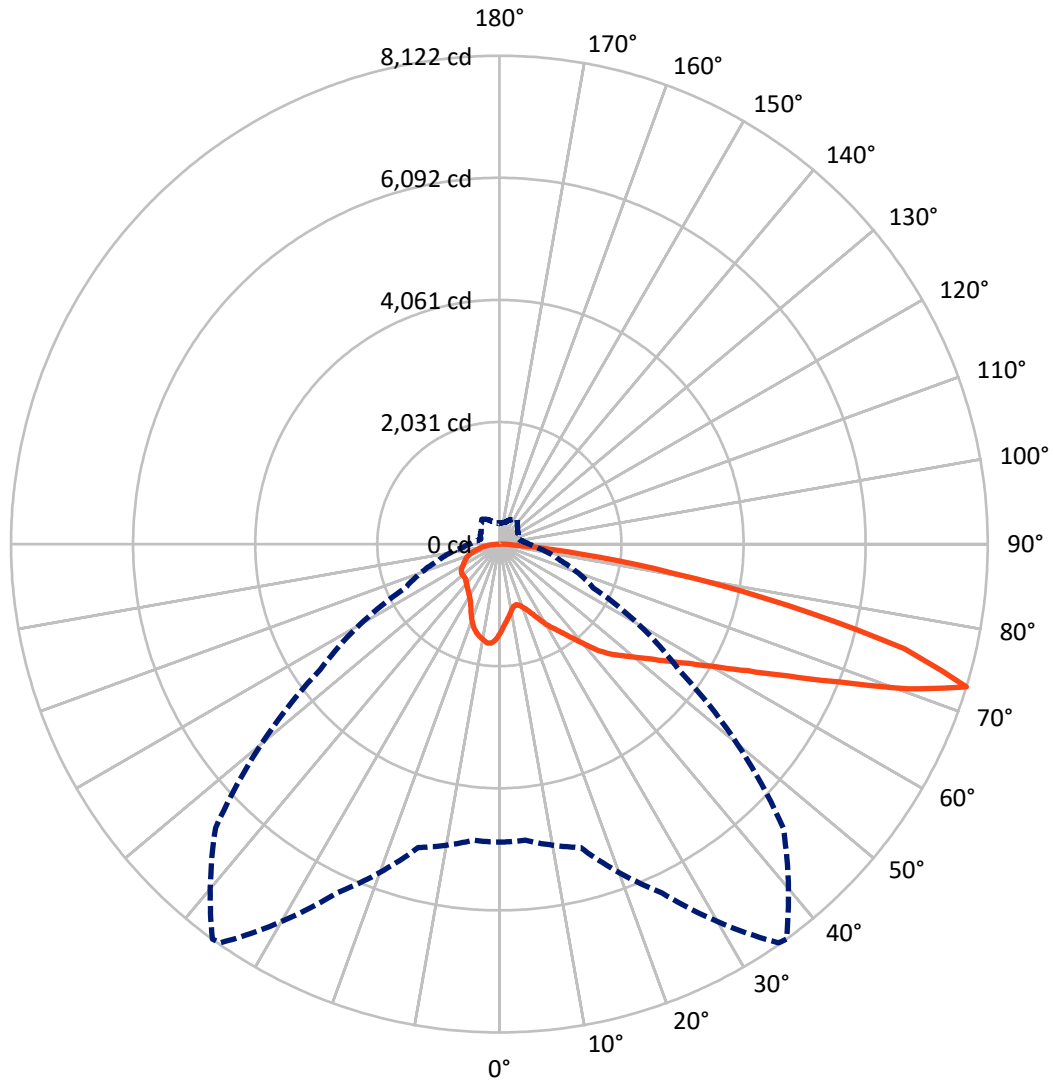
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2336.9	0.0	2336.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	7799.4	0.0	7799.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	10136.3	0.0	10136.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	1.4
10°-20°	391.2	3.9
20°-30°	647.9	6.4
30°-40°	970.3	9.6
40°-50°	1415.6	14.0
50°-60°	2014.9	19.9
60°-70°	2545.6	25.1
70°-80°	1814.0	17.9
80°-90°	198.0	2.0
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°	10136.3	100.0
0°-180°	10136.3	100.0

Coefficient of Utilization



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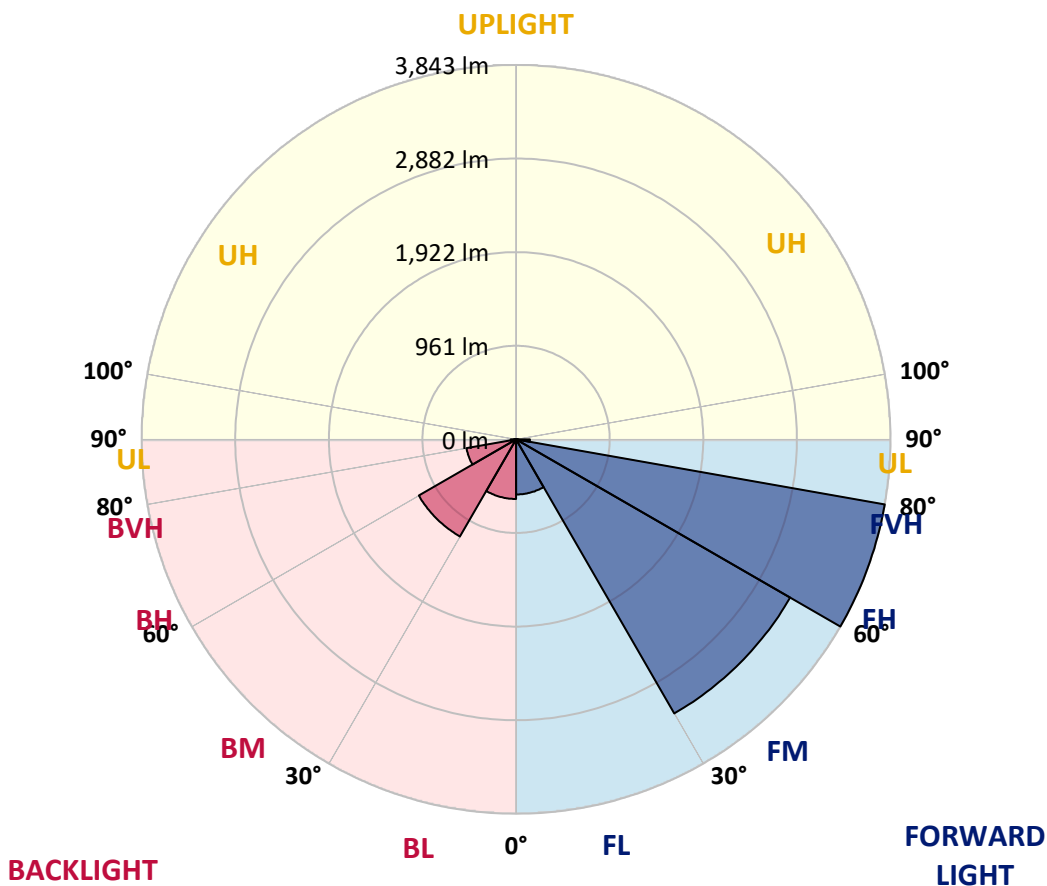
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	565.9	5.6			
FM (30°-60°)	3248.4	32.0			
FH (60°-80°)	3843.0	37.9			G2/5000
FVH (80°-90°)	142.1	1.4			G2/225
BL (0°-30°)	611.9	6.0	B2/1000		
BM (30°-60°)	1152.4	11.4	B2/2500		
BH (60°-80°)	516.6	5.1	B2/1000		G2/1000
BVH (80°-90°)	55.9	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5
2.5°	1353.3	1351.1	1346.6	1360.1	1373.7	1372.2	1391.0	1409.0	1428.6	1448.9	1476.0
5°	1245.0	1243.5	1239.8	1260.1	1280.4	1279.6	1310.5	1339.8	1379.7	1423.3	1477.5
7.5°	1136.7	1132.9	1138.2	1163.8	1192.4	1195.4	1237.5	1285.6	1343.6	1409.0	1485.7
10°	1041.2	1040.4	1042.7	1071.2	1114.1	1117.1	1171.3	1238.3	1315.0	1402.2	1504.6
12.5°	1016.3	1014.8	1008.8	1023.1	1055.4	1060.0	1119.4	1201.4	1295.4	1406.0	1530.1
15°	1057.0	1053.2	1032.1	1025.4	1041.2	1044.9	1095.3	1179.6	1284.1	1412.8	1562.5
17.5°	1126.9	1124.7	1084.8	1057.0	1067.5	1070.5	1108.1	1175.8	1281.1	1426.3	1602.4
20°	1229.2	1219.4	1157.0	1114.9	1114.9	1119.4	1142.0	1192.4	1284.9	1442.9	1647.5
22.5°	1364.6	1345.1	1257.1	1199.9	1184.8	1190.9	1200.6	1233.7	1300.7	1470.7	1703.9
25°	1516.6	1498.5	1394.0	1313.5	1292.4	1294.7	1286.4	1292.4	1335.3	1509.1	1773.9
27.5°	1678.3	1666.3	1555.0	1452.6	1419.5	1419.5	1390.2	1375.9	1383.4	1552.7	1852.1
30°	1822.8	1806.2	1712.2	1600.1	1556.5	1556.5	1500.8	1470.0	1451.9	1606.1	1956.7
32.5°	1898.8	1889.0	1826.5	1740.8	1687.4	1679.1	1630.9	1594.8	1552.7	1685.1	2098.1
35°	1998.1	1995.8	1958.2	1891.2	1823.5	1811.5	1778.4	1749.8	1676.8	1783.7	2286.2
37.5°	2122.9	2119.2	2113.1	2073.3	1992.0	1989.8	1960.4	1925.8	1831.0	1925.8	2514.1
40°	2262.9	2256.1	2248.6	2247.8	2198.9	2190.6	2188.4	2149.3	2016.9	2097.4	2751.8
42.5°	2455.4	2432.1	2361.4	2393.0	2429.1	2421.6	2450.2	2391.5	2248.6	2301.2	2976.8
45°	2692.4	2635.2	2495.3	2504.3	2595.4	2610.4	2709.7	2695.4	2503.6	2536.7	3213.7
47.5°	2834.6	2784.9	2654.8	2647.3	2760.9	2779.7	2995.6	3022.7	2778.2	2820.3	3506.4
50°	2951.2	2916.6	2809.8	2820.3	2940.7	2959.5	3279.2	3337.1	3036.9	3110.7	3846.4
52.5°	3091.9	3042.2	2959.5	3009.1	3156.6	3179.1	3594.4	3656.8	3270.2	3429.6	4198.5
55°	3170.9	3150.5	3152.0	3228.0	3413.1	3443.9	3924.6	3914.1	3483.8	3702.7	4463.3
57.5°	3352.9	3345.4	3414.6	3443.2	3712.5	3752.4	4254.9	4164.6	3677.9	3914.1	4590.4
60°	3674.1	3655.3	3715.5	3759.1	4082.6	4139.0	4623.5	4409.9	3809.5	4071.3	4547.5
62.5°	4125.5	4102.2	4104.4	4173.6	4578.4	4637.8	5033.5	4614.5	3850.2	4095.4	4276.0
65°	4686.7	4652.8	4614.5	4708.5	5236.6	5286.3	5479.6	4763.4	3753.1	3863.7	3708.7
67.5°	5278.7	5250.9	5205.8	5402.9	6088.9	6119.0	5979.9	4750.6	3445.4	3243.8	2601.4
70°	5313.3	5320.1	5533.8	6246.9	7201.6	7209.1	6453.0	4493.4	2790.2	2102.6	1296.2
72.5°	4956.8	4945.5	5223.8	6401.1	8096.8	8122.3	6676.5	3640.3	1724.2	1048.7	607.8
75°	4026.2	4045.8	4338.4	5600.7	6939.8	6962.3	5442.7	2146.3	819.2	513.1	388.9
77.5°	1733.2	1842.3	2419.3	3945.7	4970.3	4900.3	2805.2	869.6	437.1	365.6	297.9
80°	500.3	543.1	862.1	1876.2	2978.3	2925.6	1110.4	325.7	304.7	274.6	213.6
82.5°	161.7	179.0	316.0	747.0	1334.5	1333.0	421.3	192.6	199.4	186.6	137.7
85°	45.1	51.9	97.0	226.4	413.0	404.7	121.9	91.0	106.1	107.6	68.5
87.5°	0.0	0.0	0.8	1.5	1.5	1.5	3.0	13.5	30.8	39.1	27.8
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°	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5	1483.5
2.5°	1492.5	1490.3	1521.1	1545.2	1567.7	1582.8	1587.3	1590.3	1596.3	1599.3	1596.3
5°	1503.1	1514.3	1565.5	1603.1	1633.2	1651.3	1652.0	1650.5	1655.0	1651.3	1649.0
7.5°	1525.6	1547.4	1612.1	1652.0	1671.6	1672.3	1654.3	1633.2	1622.7	1613.6	1610.6
10°	1555.7	1588.1	1658.8	1685.1	1679.1	1651.3	1611.4	1578.3	1559.5	1545.9	1542.9
12.5°	1597.1	1633.2	1700.1	1699.4	1661.8	1612.1	1565.5	1525.6	1498.5	1482.7	1477.5
15°	1636.2	1682.1	1730.2	1694.9	1635.5	1575.3	1515.1	1461.7	1425.6	1400.7	1396.2
17.5°	1684.4	1733.2	1752.1	1680.6	1602.4	1524.9	1444.4	1374.4	1325.5	1296.2	1293.9
20°	1740.0	1783.7	1762.6	1655.8	1559.5	1457.9	1348.8	1270.6	1217.9	1189.4	1191.6
22.5°	1804.7	1836.3	1765.6	1621.9	1500.0	1363.1	1241.3	1166.0	1130.7	1115.6	1116.4
25°	1873.9	1894.2	1760.3	1576.0	1409.0	1247.3	1130.7	1096.1	1093.1	1089.3	1090.8
27.5°	1955.9	1951.4	1744.5	1511.3	1286.4	1112.6	1053.2	1062.2	1074.3	1072.7	1074.3
30°	2065.8	2022.9	1724.2	1421.8	1140.5	999.8	1007.3	1032.9	1048.7	1050.2	1054.7
32.5°	2191.4	2101.9	1691.9	1299.9	1001.3	936.6	964.4	995.3	1014.1	1017.8	1023.9
35°	2341.1	2192.1	1634.7	1148.0	901.2	899.0	924.6	945.6	965.9	967.4	967.4
37.5°	2513.4	2282.4	1543.7	980.2	839.5	866.6	890.7	895.2	900.5	896.0	898.2
40°	2671.3	2369.7	1414.3	827.5	789.1	838.0	858.3	843.3	826.8	815.5	817.7
42.5°	2803.7	2429.1	1242.8	720.7	738.0	812.5	828.3	797.4	765.1	744.0	747.0
45°	2952.7	2484.0	1041.2	648.5	694.4	794.4	804.9	765.1	723.7	692.1	687.6
47.5°	3158.1	2596.1	862.1	598.1	663.5	784.6	801.9	747.8	693.6	646.2	640.9
50°	3411.6	2754.8	712.4	565.0	649.2	779.4	801.2	729.0	664.3	608.6	604.8
52.5°	3688.4	2909.8	601.8	539.4	634.9	763.6	797.4	707.9	633.4	573.2	568.7
55°	3872.7	2970.7	527.3	515.3	611.6	738.7	782.4	687.6	586.8	531.9	525.1
57.5°	3926.9	2892.5	475.4	493.5	581.5	704.1	753.8	644.7	558.2	514.6	509.3
60°	3833.6	2695.4	443.1	475.4	548.4	659.7	704.1	619.9	535.6	496.5	492.7
62.5°	3570.3	2391.5	418.3	456.6	514.6	613.1	672.5	589.8	510.8	480.0	474.7
65°	3040.7	1961.2	398.0	437.1	482.2	568.7	637.9	559.7	483.7	460.4	454.4
67.5°	2126.7	1377.4	376.1	413.8	449.9	525.8	601.8	531.9	455.9	438.6	432.6
70°	1039.6	730.5	349.8	386.7	415.3	482.2	565.7	498.0	419.0	409.2	401.0
72.5°	495.0	408.5	319.0	349.8	367.9	424.3	505.5	449.1	375.4	354.3	340.0
75°	331.8	290.4	278.3	306.2	310.7	355.8	433.3	387.4	331.0	306.9	294.9
77.5°	251.3	221.9	234.0	258.8	249.8	292.6	356.6	345.3	298.7	276.8	270.8
80°	176.8	161.7	185.8	200.9	194.1	249.0	321.2	295.6	246.0	221.9	217.4
82.5°	111.3	108.3	136.9	139.2	141.4	197.1	264.0	232.5	191.1	157.2	145.9
85°	55.7	61.7	82.0	82.0	81.2	101.6	150.5	130.9	103.1	82.0	79.7
87.5°	18.8	26.3	35.4	28.6	21.8	17.3	19.6	24.1	25.6	24.8	24.8
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)