

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: P631447

Luminaire Tested: GWS-SA1F-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631447
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-SA1F-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8484.3 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

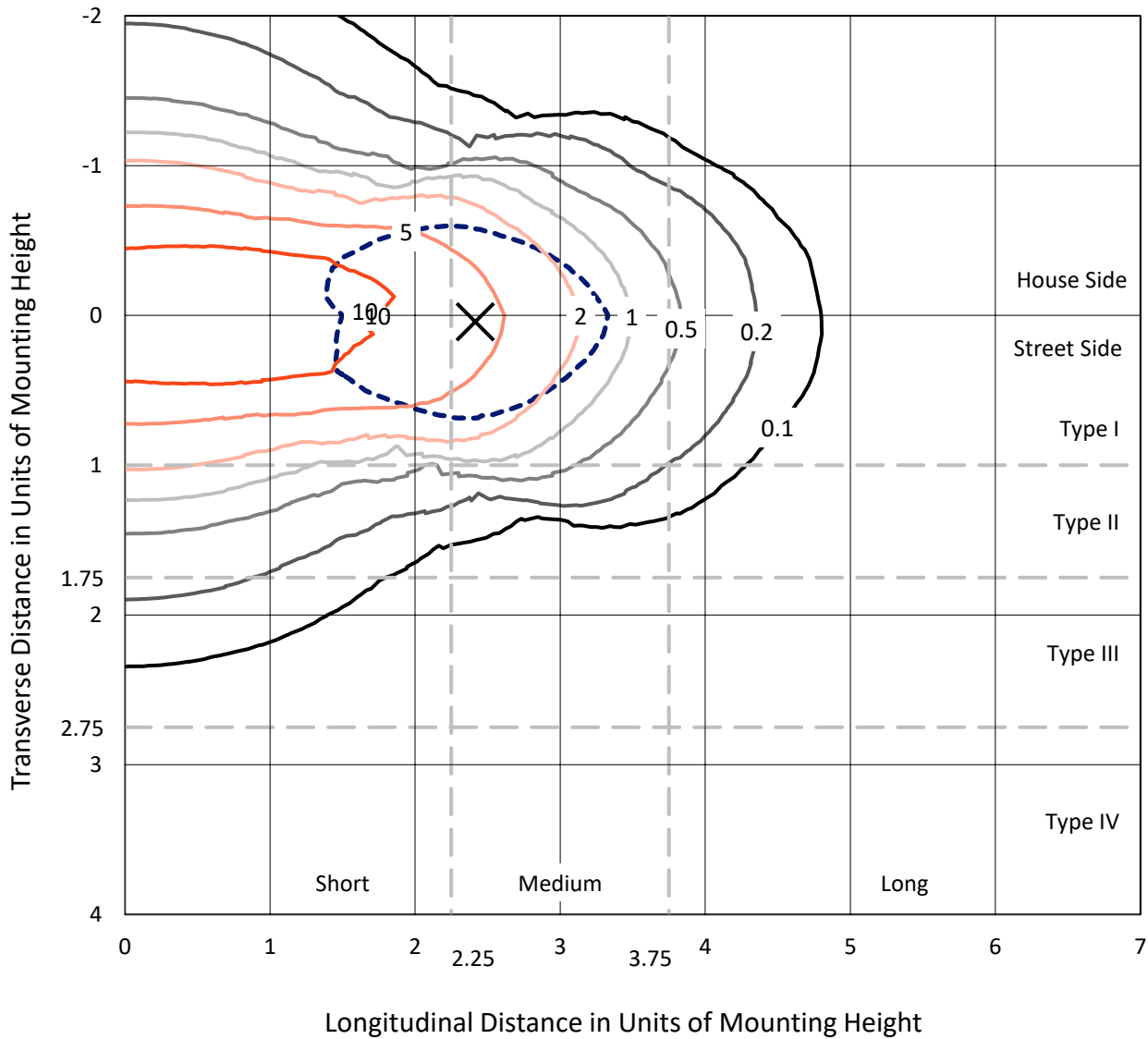
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

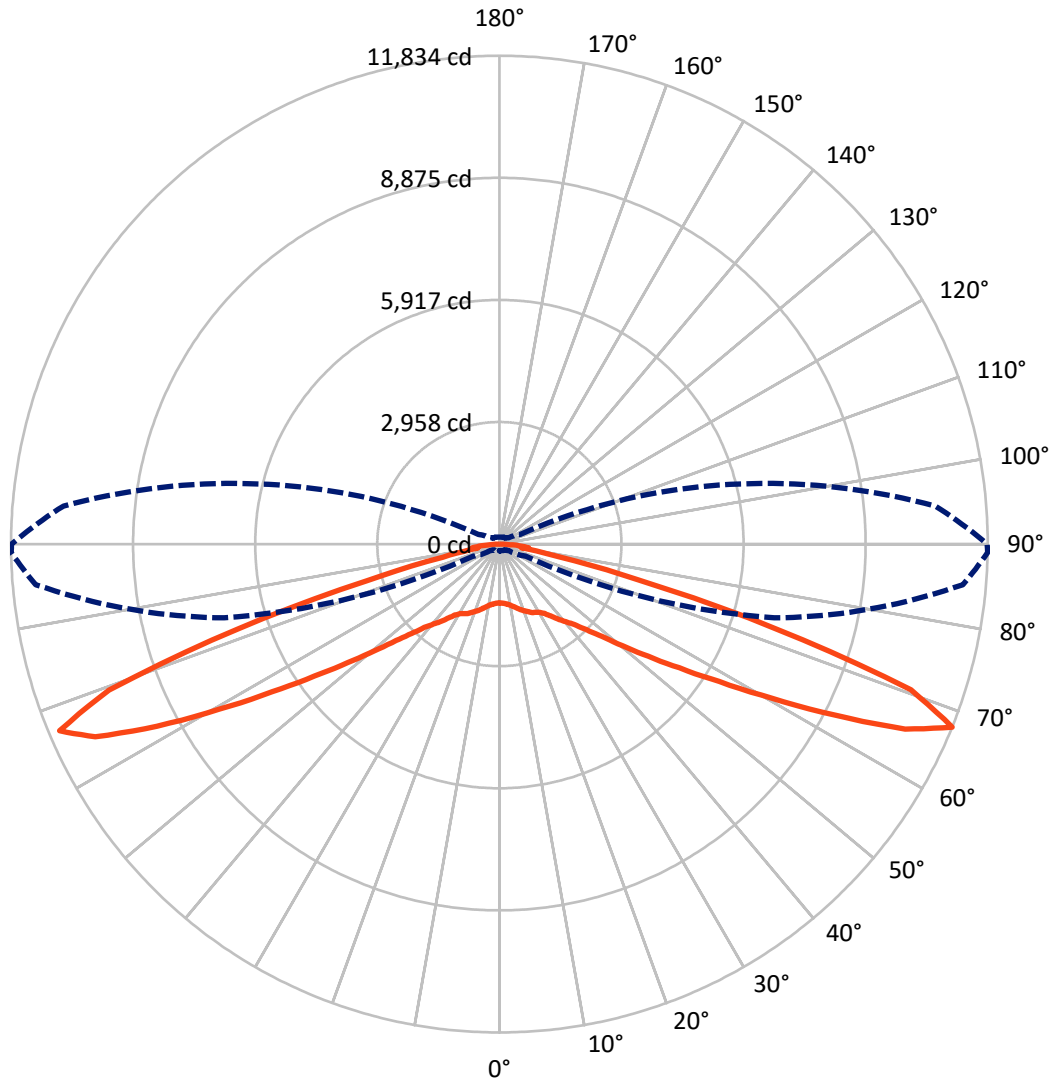
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 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	4205.0	0.0	4205.0
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	4279.3	0.0	4279.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	8484.3	0.0	8484.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.8	1.7
10°-20°	465.1	5.5
20°-30°	786.2	9.3
30°-40°	1079.0	12.7
40°-50°	1376.0	16.2
50°-60°	1726.4	20.3
60°-70°	2082.2	24.5
70°-80°	753.3	8.9
80°-90°	73.3	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°	8484.3	100.0
0°-180°	8484.3	100.0

Coefficient of Utilization



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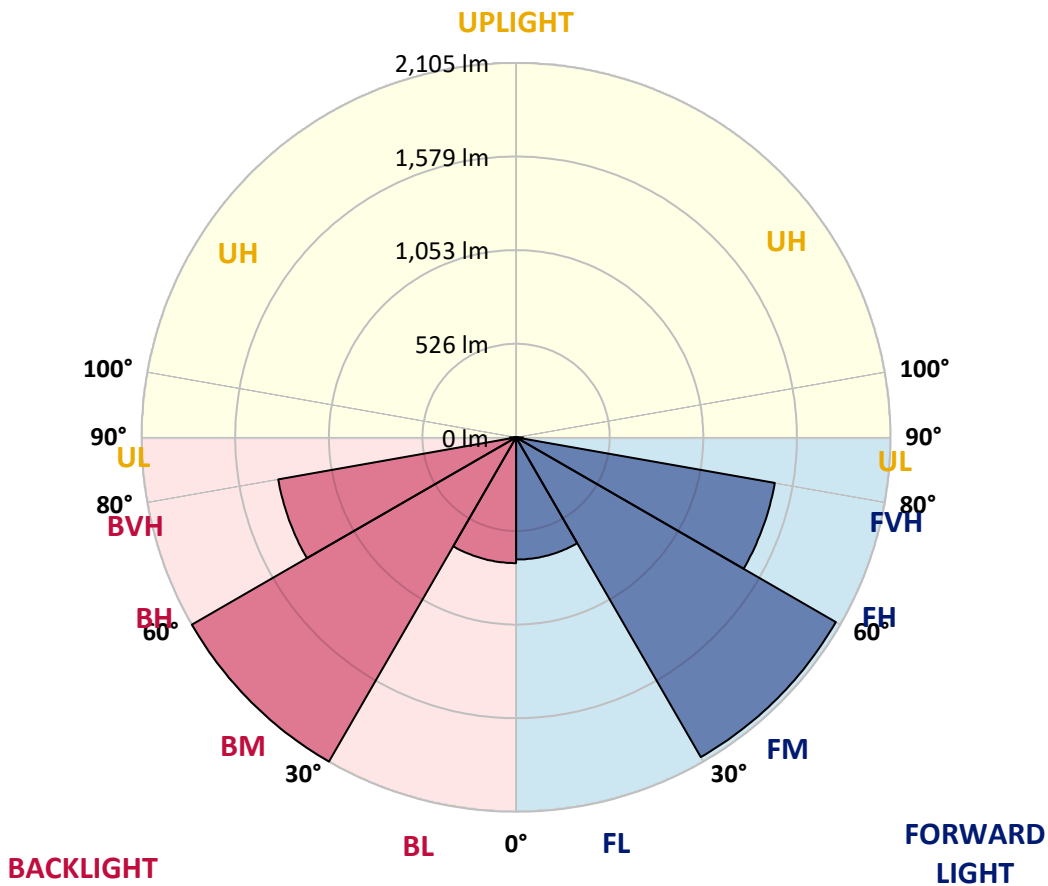
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	687.2	8.1			
FM (30°-60°)	2076.3	24.5			
FH (60°-80°)	1477.2	17.4			G1/1800
FVH (80°-90°)	38.7	0.5			G1/100
BL (0°-30°)	707.0	8.3	B2/1000		
BM (30°-60°)	2105.1	24.8	B2/2500		
BH (60°-80°)	1358.2	16.0	B3/2500		G3/2500
BVH (80°-90°)	34.6	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°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1428.3	1427.1	1424.0	1433.2	1431.3	1431.9	1435.6	1433.2	1428.9	1421.6	1431.9
5°	1468.5	1467.9	1461.2	1466.7	1460.6	1456.3	1455.7	1449.6	1444.7	1436.8	1447.8
7.5°	1507.5	1506.9	1501.4	1511.2	1506.3	1501.4	1495.9	1483.7	1472.2	1460.6	1472.8
10°	1537.4	1536.7	1535.5	1549.5	1550.8	1552.6	1550.2	1529.4	1509.3	1495.3	1507.5
12.5°	1554.4	1556.2	1559.3	1584.9	1597.7	1609.9	1612.9	1595.9	1562.3	1542.2	1556.9
15°	1542.8	1546.5	1561.7	1608.0	1643.4	1670.8	1682.4	1668.4	1625.1	1591.6	1608.0
17.5°	1487.4	1490.4	1520.3	1591.0	1669.0	1732.3	1751.2	1742.7	1694.6	1653.7	1669.6
20°	1410.6	1417.3	1449.6	1548.3	1664.7	1775.0	1825.6	1822.5	1770.1	1707.4	1726.3
22.5°	1341.2	1349.1	1383.2	1492.3	1636.1	1786.0	1900.5	1908.4	1839.0	1761.0	1776.2
25°	1263.2	1270.5	1314.3	1425.8	1586.7	1777.4	1964.5	2000.5	1917.0	1822.5	1836.5
27.5°	1183.3	1188.8	1232.1	1350.9	1522.1	1761.6	2015.1	2101.6	1993.8	1865.2	1874.9
30°	1113.3	1120.6	1160.2	1276.0	1451.4	1729.9	2056.5	2209.5	2082.1	1913.3	1921.2
32.5°	1045.6	1051.7	1095.0	1202.2	1376.5	1681.2	2093.7	2336.2	2213.1	2002.9	2002.9
35°	960.3	971.3	1020.0	1131.5	1305.8	1616.6	2120.5	2483.7	2392.3	2135.1	2135.7
37.5°	881.7	887.8	939.0	1051.7	1231.5	1543.5	2122.9	2636.6	2618.9	2303.3	2304.5
40°	792.1	800.1	854.9	966.4	1146.2	1466.7	2099.8	2779.2	2856.6	2476.3	2469.6
42.5°	701.3	712.9	765.3	874.4	1054.2	1372.8	2038.2	2915.1	3158.2	2676.8	2660.4
45°	613.6	620.9	673.3	776.3	948.7	1260.7	1939.5	3045.5	3516.5	2981.5	2957.7
47.5°	514.9	517.9	572.2	670.9	839.7	1135.8	1798.2	3161.9	3910.1	3384.9	3344.0
50°	427.1	431.4	474.1	558.8	706.2	987.7	1622.1	3230.1	4411.6	3935.1	3864.4
52.5°	345.5	349.8	383.9	451.5	583.7	818.9	1403.9	3214.3	4920.4	4618.2	4515.2
55°	279.1	282.1	305.3	358.3	459.4	651.4	1146.2	3072.3	5485.3	5510.2	5288.4
57.5°	235.8	237.0	252.9	285.2	358.9	502.1	884.8	2737.1	6077.5	6648.5	6284.1
60°	210.8	211.4	218.8	238.9	283.3	383.3	648.3	2203.4	6691.1	8072.5	7572.8
62.5°	195.0	195.0	201.1	212.7	235.2	294.9	476.5	1582.4	7131.7	9622.0	9125.4
65°	179.8	179.8	184.0	193.8	206.0	240.7	357.7	1020.6	7348.0	10917.5	10807.2
67.5°	160.3	160.9	163.9	174.3	185.2	201.1	271.2	690.4	6898.9	11275.8	11833.9
70°	142.0	142.6	146.9	153.6	162.7	173.7	212.0	475.9	5021.5	9391.1	10581.1
72.5°	121.9	124.3	127.4	134.7	140.1	148.1	173.1	308.3	2921.8	6041.0	6994.6
75°	99.9	103.0	106.6	113.9	117.6	120.6	142.6	220.0	1405.7	3061.3	3486.0
77.5°	77.4	80.4	84.7	91.4	93.8	97.5	109.1	159.0	673.3	1357.0	1463.0
80°	51.8	53.0	56.7	64.6	68.9	71.3	80.4	108.5	292.5	544.7	539.9
82.5°	31.7	32.3	33.5	38.4	40.2	42.7	52.4	66.4	139.5	619.1	709.9
85°	11.6	11.0	10.4	13.4	15.8	18.3	24.4	33.5	60.9	425.3	475.9
87.5°	0.0	0.0	0.0	0.6	1.2	1.2	2.4	4.9	14.6	159.0	109.1
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°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1428.9	1422.2	1430.7	1436.8	1450.2	1455.1	1456.3	1452.1	1452.1	1444.7	1446.0
5°	1445.3	1441.1	1455.1	1465.5	1485.0	1492.3	1497.1	1494.1	1495.9	1491.0	1492.3
7.5°	1470.3	1466.7	1491.0	1511.2	1531.3	1539.8	1544.1	1541.6	1542.2	1536.1	1538.0
10°	1505.1	1506.3	1535.5	1561.7	1588.5	1597.1	1598.9	1591.6	1585.5	1574.5	1575.1
12.5°	1552.6	1558.7	1600.1	1629.4	1656.8	1669.0	1655.6	1628.8	1603.8	1584.9	1582.4
15°	1604.4	1615.4	1675.1	1712.2	1742.1	1736.0	1696.4	1636.1	1586.7	1558.7	1553.2
17.5°	1666.5	1683.0	1757.9	1802.4	1828.0	1789.0	1706.1	1616.0	1547.1	1509.3	1502.0
20°	1725.0	1751.2	1845.7	1903.6	1906.6	1818.9	1701.9	1575.1	1488.6	1442.3	1432.6
22.5°	1778.7	1812.2	1937.7	2011.4	1971.8	1832.3	1675.7	1517.3	1417.9	1363.7	1355.2
25°	1837.2	1884.7	2044.9	2113.8	2037.0	1826.8	1620.8	1445.3	1332.6	1277.2	1271.1
27.5°	1877.4	1937.1	2152.8	2218.6	2090.6	1795.7	1550.2	1366.7	1254.6	1202.2	1193.7
30°	1923.7	1999.8	2271.6	2332.5	2123.5	1750.0	1474.6	1293.6	1182.1	1125.4	1119.4
32.5°	2007.8	2103.4	2419.1	2453.2	2133.9	1693.3	1402.1	1222.9	1106.6	1049.9	1041.4
35°	2143.0	2255.2	2626.2	2587.9	2126.0	1631.2	1333.2	1140.1	1029.2	976.2	967.6
37.5°	2313.7	2453.2	2857.2	2709.1	2104.0	1563.0	1251.6	1070.6	959.7	906.1	901.2
40°	2472.7	2644.5	3116.2	2813.9	2059.6	1478.9	1173.0	998.1	884.8	828.1	817.1
42.5°	2671.9	2900.4	3415.9	2904.7	1986.4	1378.3	1084.6	908.5	790.9	739.7	726.3
45°	2974.8	3258.7	3764.5	2991.8	1877.4	1254.6	973.7	799.5	687.9	635.5	625.2
47.5°	3352.6	3706.6	4142.3	3043.6	1711.6	1124.2	848.2	684.3	572.8	513.7	508.8
50°	3883.3	4358.0	4547.5	3034.5	1526.4	969.5	706.8	547.2	454.0	411.3	404.6
52.5°	4529.8	5175.7	4985.6	2924.8	1329.6	793.4	550.8	429.6	360.1	329.7	324.2
55°	5340.8	6154.9	5446.9	2689.6	1081.0	607.5	432.6	338.8	291.3	273.0	270.5
57.5°	6345.0	7422.9	5891.1	2293.5	812.9	463.7	333.3	279.7	257.1	246.2	245.6
60°	7670.3	8769.0	6276.8	1782.3	581.9	354.6	275.4	249.8	232.2	224.8	224.2
62.5°	9246.1	9991.3	6516.9	1213.8	437.5	282.7	242.5	226.7	216.3	212.0	211.4
65°	10865.7	10763.9	6402.3	795.2	332.1	240.1	217.5	209.0	199.9	195.6	195.6
67.5°	11822.4	10600.6	5523.0	552.1	263.2	210.8	196.2	188.3	173.1	169.4	169.4
70°	10471.5	8589.8	3620.1	404.0	213.3	184.6	170.6	159.6	153.6	149.9	149.3
72.5°	6925.7	5589.5	1924.9	280.3	177.9	157.2	144.4	140.1	132.8	129.2	128.6
75°	3447.0	2935.8	986.5	202.3	148.1	126.1	120.6	118.8	112.7	107.9	106.6
77.5°	1436.8	1307.0	460.0	146.9	112.7	101.8	96.9	96.9	90.2	84.7	82.3
80°	541.7	482.6	217.5	100.5	83.5	75.6	72.5	70.1	64.6	57.9	54.2
82.5°	724.5	473.5	106.6	62.8	54.8	48.7	44.5	42.7	39.6	36.6	34.1
85°	469.2	336.4	48.1	32.3	27.4	20.7	18.3	17.1	15.2	13.4	12.2
87.5°	95.7	112.7	14.6	6.1	3.7	1.8	1.8	0.6	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)