

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: P631392

Luminaire Tested: GWS-SA1F-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631392
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-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8602.2 lumens
Efficiency: N/A
Efficacy: 128.0 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

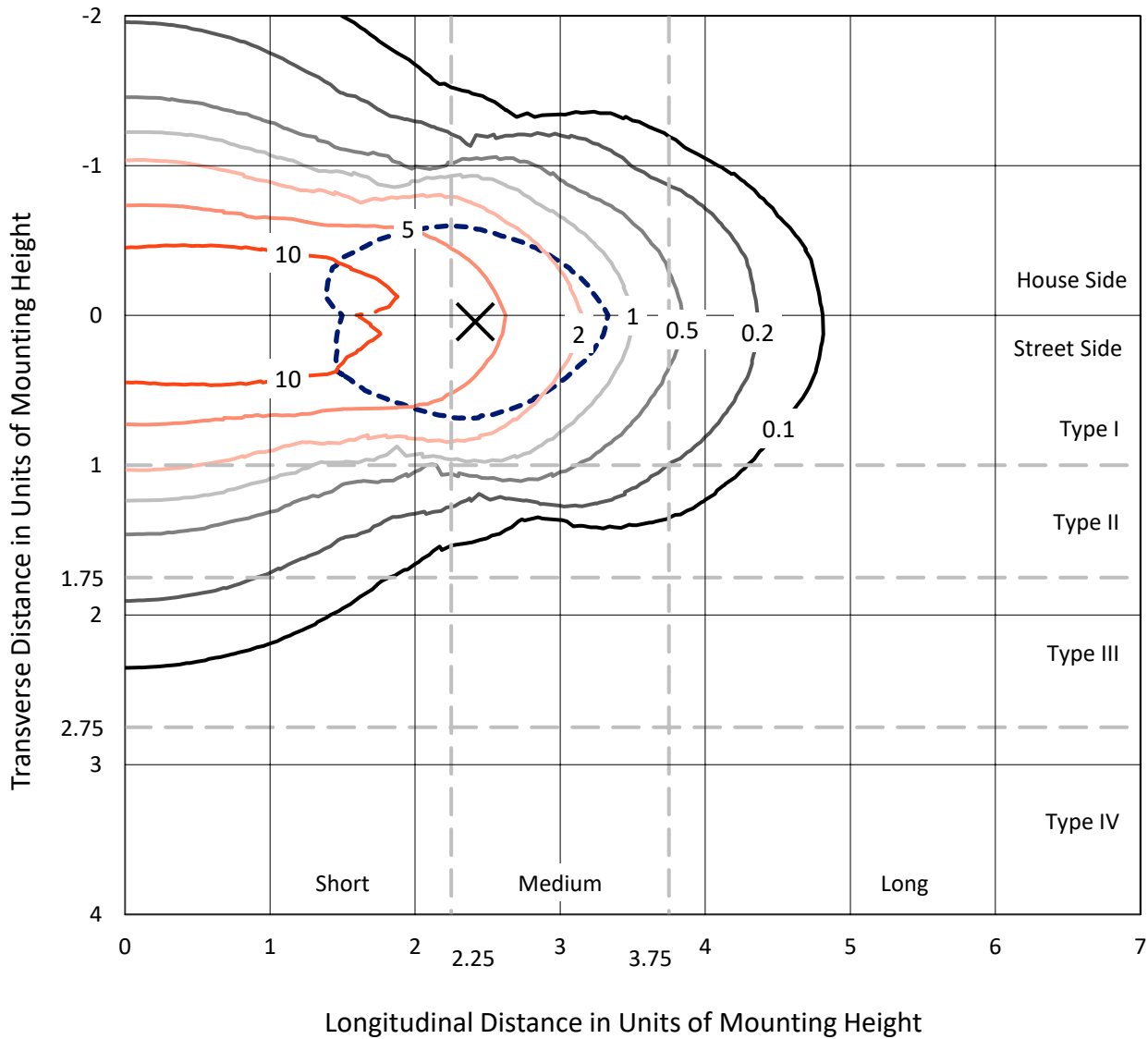
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631392
 CATALOG NUMBER: GWS-SA1F-750-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

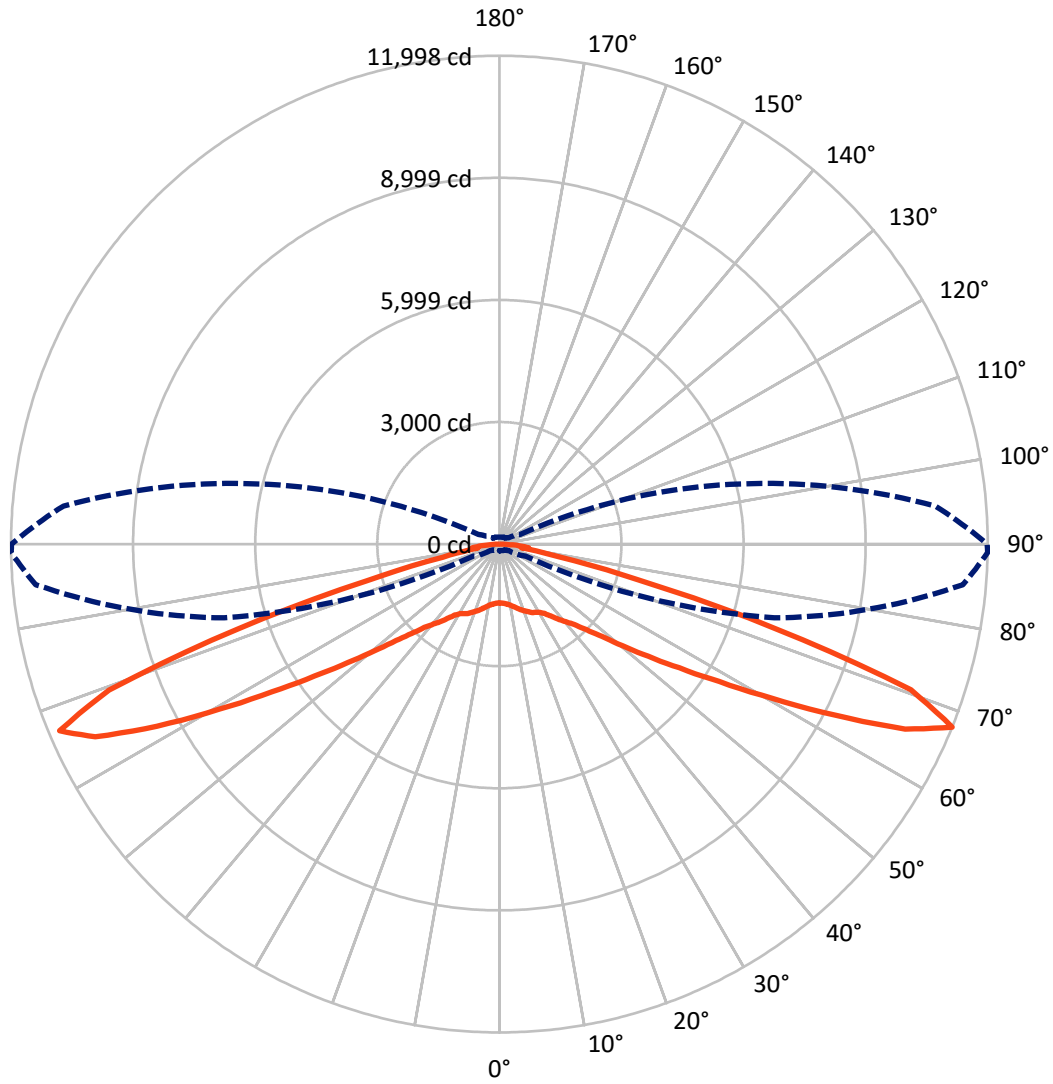
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc
 Type I - Medium - N/A

REPORT NUMBER: P631392
CATALOG NUMBER: GWS-SA1F-750-U-T1-W

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631392

CATALOG NUMBER: GWS-SA1F-750-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4263.4	0.0	4263.4
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	4338.8	0.0	4338.8
	% Fixture	50.4	0.0	50.4
Total	Lumens	8602.2	0.0	8602.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	1.7
10°-20°	471.6	5.5
20°-30°	797.2	9.3
30°-40°	1094.0	12.7
40°-50°	1395.1	16.2
50°-60°	1750.4	20.3
60°-70°	2111.1	24.5
70°-80°	763.7	8.9
80°-90°	74.3	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°	8602.2	100.0
0°-180°	8602.2	100.0

Coefficient of Utilization



REPORT NUMBER: P631392

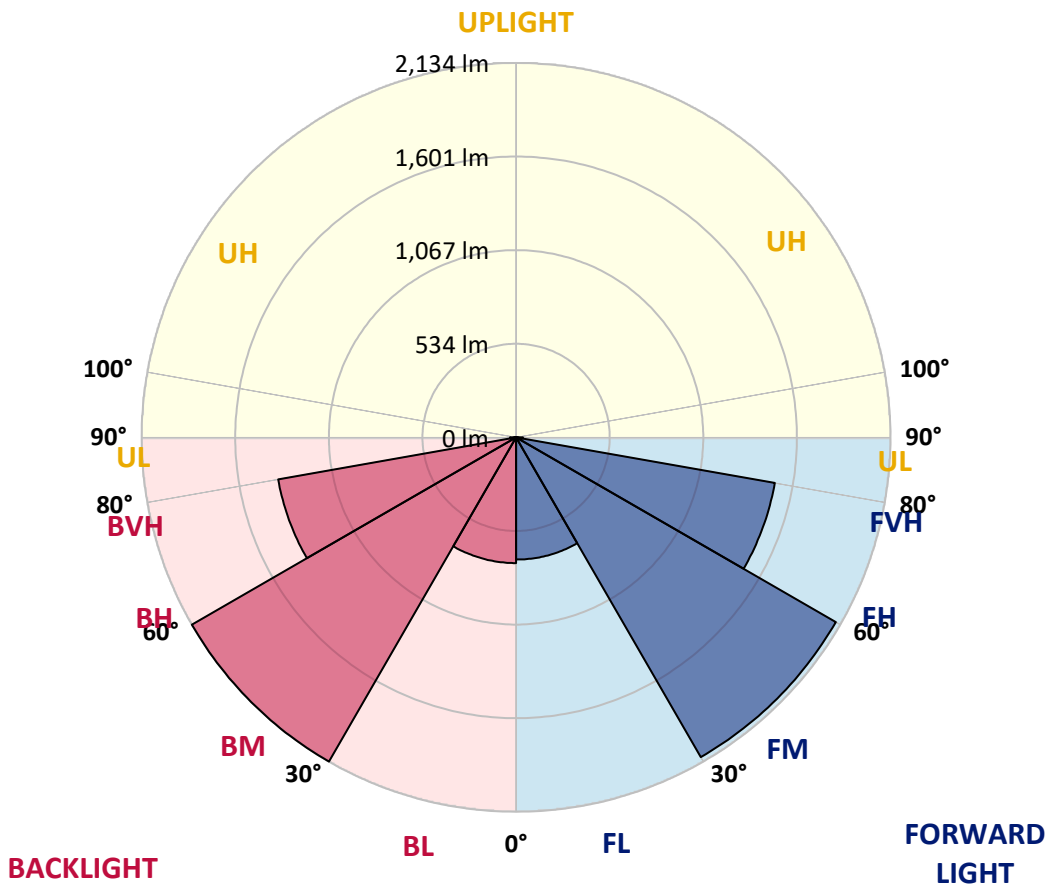
CATALOG NUMBER: GWS-SA1F-750-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	696.7	8.1			
FM (30°-60°)	2105.1	24.5			
FH (60°-80°)	1497.8	17.4			G1/1800
FVH (80°-90°)	39.2	0.5			G1/100
BL (0°-30°)	716.9	8.3	B2/1000		
BM (30°-60°)	2134.4	24.8	B2/2500		
BH (60°-80°)	1377.1	16.0	B3/2500		G3/2500
BVH (80°-90°)	35.1	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





REPORT NUMBER: P631392
 CATALOG NUMBER: GWS-SA1F-750-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8
2.5°	1448.1	1446.9	1443.8	1453.1	1451.2	1451.8	1455.5	1453.1	1448.8	1441.3	1451.8
5°	1488.9	1488.3	1481.5	1487.1	1480.9	1476.6	1475.9	1469.8	1464.8	1456.8	1467.9
7.5°	1528.4	1527.8	1522.3	1532.2	1527.2	1522.3	1516.7	1504.4	1492.6	1480.9	1493.2
10°	1558.7	1558.1	1556.9	1571.1	1572.3	1574.2	1571.7	1550.7	1530.3	1516.1	1528.4
12.5°	1576.0	1577.9	1581.0	1606.9	1619.9	1632.2	1635.3	1618.0	1584.1	1563.7	1578.5
15°	1564.3	1568.0	1583.4	1630.4	1666.2	1694.0	1705.8	1691.5	1647.7	1613.7	1630.4
17.5°	1508.1	1511.2	1541.4	1613.1	1692.2	1756.4	1775.6	1766.9	1718.1	1676.7	1692.8
20°	1430.2	1437.0	1469.8	1569.8	1687.8	1799.7	1850.9	1847.9	1794.7	1731.1	1750.2
22.5°	1359.8	1367.8	1402.4	1513.0	1658.8	1810.8	1926.9	1935.0	1864.5	1785.5	1800.9
25°	1280.7	1288.1	1332.6	1445.7	1608.8	1802.1	1991.8	2028.3	1943.6	1847.9	1862.1
27.5°	1199.8	1205.3	1249.2	1369.7	1543.3	1786.1	2043.1	2130.8	2021.5	1891.1	1901.0
30°	1128.7	1136.1	1176.3	1293.7	1471.6	1753.9	2085.1	2240.2	2111.0	1939.9	1947.9
32.5°	1060.2	1066.3	1110.2	1218.9	1395.6	1704.5	2122.8	2368.7	2243.9	2030.7	2030.7
35°	973.7	984.8	1034.2	1147.3	1324.0	1639.0	2150.0	2518.2	2425.5	2164.8	2165.4
37.5°	894.0	900.1	952.0	1066.3	1248.6	1564.9	2152.4	2673.2	2655.3	2335.3	2336.5
40°	803.1	811.2	866.8	979.8	1162.1	1487.1	2129.0	2817.8	2896.3	2510.8	2504.0
42.5°	711.1	722.8	776.0	886.5	1068.8	1391.9	2066.6	2955.6	3202.1	2714.0	2697.3
45°	622.1	629.5	682.7	787.1	961.9	1278.2	1966.5	3087.8	3565.4	3022.9	2998.8
47.5°	522.0	525.1	580.1	680.2	851.3	1151.6	1823.1	3205.8	3964.5	3431.9	3390.5
50°	433.1	437.4	480.7	566.5	716.0	1001.5	1644.6	3275.0	4472.9	3989.8	3918.1
52.5°	350.3	354.6	389.2	457.8	591.9	830.3	1423.4	3258.9	4988.8	4682.3	4577.9
55°	283.0	286.0	309.5	363.3	465.8	660.4	1162.1	3115.0	5561.5	5586.8	5361.9
57.5°	239.1	240.3	256.4	289.1	363.9	509.1	897.1	2775.2	6162.0	6740.9	6371.4
60°	213.8	214.4	221.8	242.2	287.3	388.6	657.3	2234.0	6784.1	8184.7	7678.1
62.5°	197.7	197.7	203.9	215.6	238.5	299.0	483.1	1604.4	7230.8	9755.8	9252.2
65°	182.3	182.3	186.6	196.5	208.8	244.0	362.7	1034.8	7450.1	11069.2	10957.4
67.5°	162.5	163.1	166.2	176.7	187.8	203.9	274.9	700.0	6994.8	11432.5	11998.4
70°	143.9	144.6	148.9	155.7	165.0	176.1	215.0	482.5	5091.3	9521.6	10728.2
72.5°	123.6	126.0	129.1	136.5	142.1	150.1	175.5	312.6	2962.4	6124.9	7091.8
75°	101.3	104.4	108.1	115.5	119.2	122.3	144.6	223.0	1425.3	3103.9	3534.5
77.5°	78.5	81.6	85.9	92.7	95.1	98.8	110.6	161.2	682.7	1375.9	1483.3
80°	52.5	53.7	57.5	65.5	69.8	72.3	81.6	110.0	296.5	552.3	547.4
82.5°	32.1	32.7	34.0	38.9	40.8	43.2	53.1	67.3	141.5	627.7	719.7
85°	11.7	11.1	10.5	13.6	16.1	18.5	24.7	34.0	61.8	431.2	482.5
87.5°	0.0	0.0	0.0	0.6	1.2	1.2	2.5	4.9	14.8	161.2	110.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631392
 CATALOG NUMBER: GWS-SA1F-750-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8
2.5°	1448.8	1442.0	1450.6	1456.8	1470.4	1475.3	1476.6	1472.2	1472.2	1464.8	1466.1
5°	1465.4	1461.1	1475.3	1485.8	1505.6	1513.0	1517.9	1514.9	1516.7	1511.8	1513.0
7.5°	1490.8	1487.1	1511.8	1532.2	1552.5	1561.2	1565.5	1563.0	1563.7	1557.5	1559.3
10°	1526.0	1527.2	1556.9	1583.4	1610.6	1619.3	1621.1	1613.7	1607.5	1596.4	1597.0
12.5°	1574.2	1580.3	1622.4	1652.0	1679.8	1692.2	1678.6	1651.4	1626.1	1606.9	1604.4
15°	1626.7	1637.8	1698.3	1736.0	1766.3	1760.1	1720.0	1658.8	1608.8	1580.3	1574.8
17.5°	1689.7	1706.4	1782.4	1827.5	1853.4	1813.9	1729.9	1638.4	1568.6	1530.3	1522.9
20°	1749.0	1775.6	1871.3	1930.0	1933.1	1844.1	1725.5	1597.0	1509.3	1462.3	1452.5
22.5°	1803.4	1837.4	1964.6	2039.4	1999.2	1857.7	1699.0	1538.3	1437.6	1382.6	1374.0
25°	1862.7	1910.9	2073.4	2143.2	2065.3	1852.2	1643.4	1465.4	1351.1	1294.9	1288.7
27.5°	1903.5	1964.0	2182.7	2249.4	2119.7	1820.7	1571.7	1385.7	1272.1	1218.9	1210.3
30°	1950.4	2027.6	2303.2	2365.0	2153.0	1774.3	1495.1	1311.6	1198.5	1141.1	1134.9
32.5°	2035.7	2132.7	2452.7	2487.3	2163.6	1716.9	1421.6	1239.9	1121.9	1064.5	1055.8
35°	2172.8	2286.5	2662.7	2623.8	2155.5	1653.9	1351.8	1155.9	1043.5	989.7	981.1
37.5°	2345.8	2487.3	2896.9	2746.8	2133.3	1584.7	1269.0	1085.5	973.0	918.7	913.7
40°	2507.1	2681.3	3159.5	2853.0	2088.2	1499.4	1189.3	1012.0	897.1	839.6	828.5
42.5°	2709.1	2940.8	3463.4	2945.1	2014.0	1397.5	1099.7	921.1	801.9	750.0	736.4
45°	3016.1	3304.0	3816.8	3033.4	1903.5	1272.1	987.3	810.6	697.5	644.4	633.9
47.5°	3399.2	3758.1	4199.8	3085.9	1735.4	1139.8	860.0	693.8	580.7	520.8	515.9
50°	3937.3	4418.5	4610.7	3076.7	1547.6	982.9	716.7	554.8	460.3	417.0	410.2
52.5°	4592.8	5247.6	5054.9	2965.5	1348.1	804.4	558.5	435.6	365.1	334.2	328.7
55°	5415.1	6240.4	5522.6	2727.0	1096.0	616.0	438.6	343.5	295.3	276.8	274.3
57.5°	6433.2	7526.1	5972.9	2325.4	824.2	470.1	337.9	283.6	260.7	249.6	249.0
60°	7776.9	8890.8	6364.0	1807.1	590.0	359.6	279.2	253.3	235.4	228.0	227.4
62.5°	9374.6	10130.1	6607.4	1230.7	443.6	286.7	245.9	229.8	219.3	215.0	214.4
65°	11016.7	10913.5	6491.3	806.2	336.7	243.4	220.6	211.9	202.6	198.3	198.3
67.5°	11986.7	10748.0	5599.8	559.7	266.9	213.8	198.9	190.9	175.5	171.7	171.7
70°	10617.0	8709.2	3670.4	409.6	216.2	187.2	173.0	161.9	155.7	152.0	151.4
72.5°	7022.0	5667.1	1951.6	284.2	180.4	159.4	146.4	142.1	134.7	131.0	130.4
75°	3494.9	2976.6	1000.2	205.1	150.1	127.9	122.3	120.5	114.3	109.4	108.1
77.5°	1456.8	1325.2	466.4	148.9	114.3	103.2	98.2	98.2	91.4	85.9	83.4
80°	549.2	489.3	220.6	101.9	84.6	76.6	73.5	71.0	65.5	58.7	55.0
82.5°	734.6	480.0	108.1	63.6	55.6	49.4	45.1	43.2	40.2	37.1	34.6
85°	475.7	341.0	48.8	32.7	27.8	21.0	18.5	17.3	15.4	13.6	12.4
87.5°	97.0	114.3	14.8	6.2	3.7	1.9	1.9	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)