

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: P631427

Luminaire Tested: GWS-SA1F-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7492.9 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

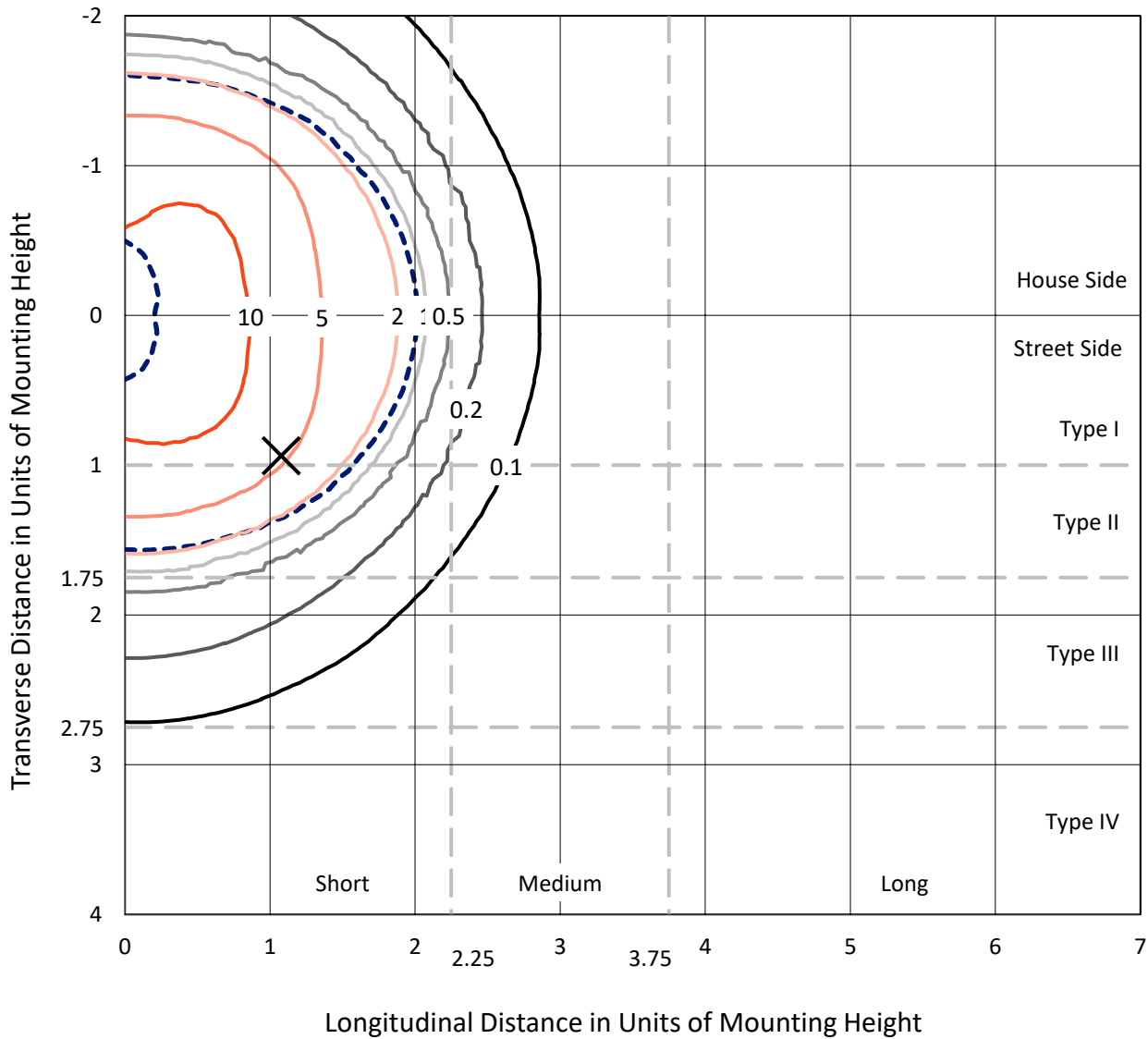


REPORT NUMBER: P631427

CATALOG NUMBER: GWS-SA1F-760-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

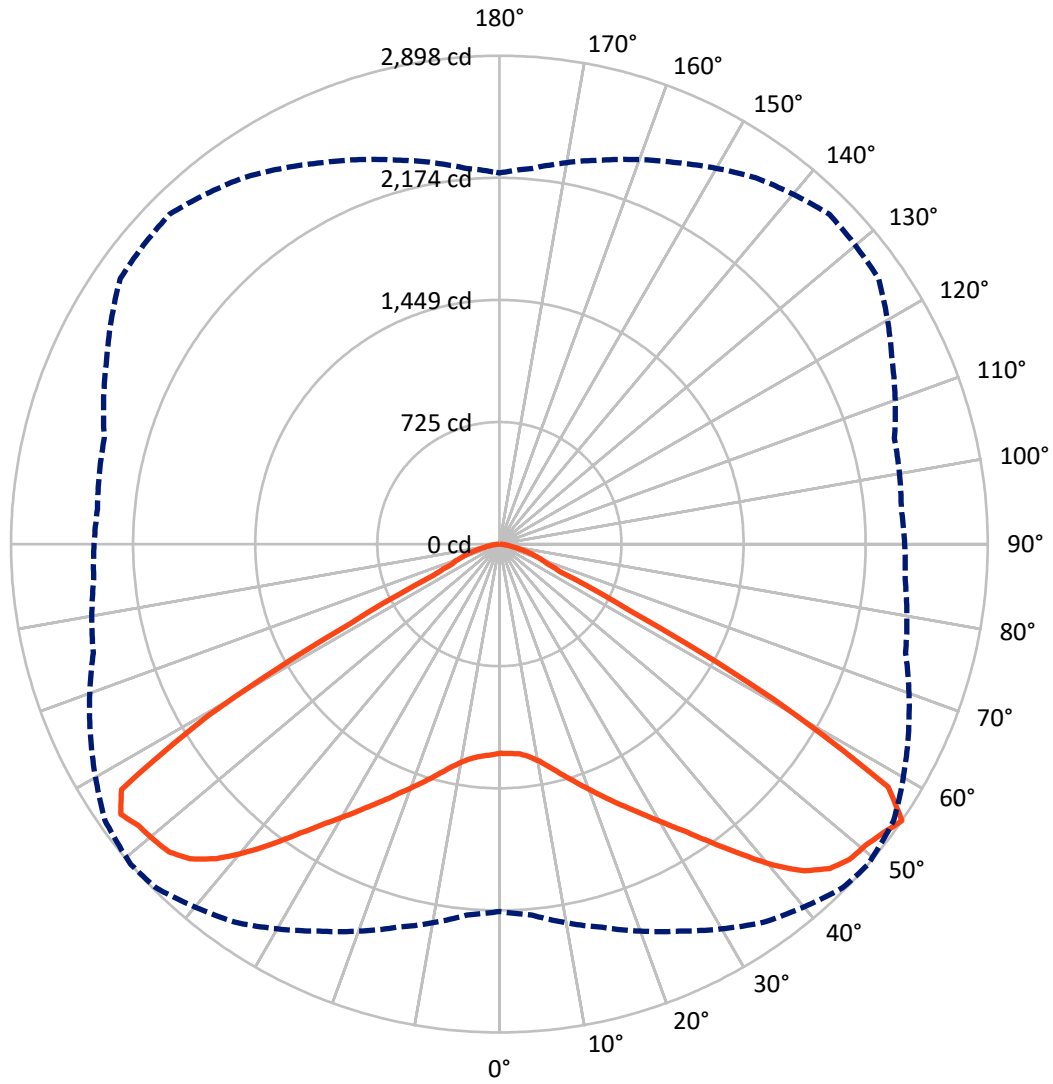
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type V - Short - N/A

REPORT NUMBER: P631427
CATALOG NUMBER: GWS-SA1F-760-U-RW-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P631427

CATALOG NUMBER: GWS-SA1F-760-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3709.7	0.0	3709.7
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3783.2	0.0	3783.2
	% Fixture	50.5	0.0	50.5
Total	Lumens	7492.9	0.0	7492.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	1.6
10°-20°	399.4	5.3
20°-30°	760.7	10.2
30°-40°	1289.6	17.2
40°-50°	1940.7	25.9
50°-60°	2124.3	28.4
60°-70°	671.7	9.0
70°-80°	161.2	2.2
80°-90°	24.2	0.3
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°	7492.9	100.0
0°-180°	7492.9	100.0

Coefficient of Utilization



REPORT NUMBER: P631427

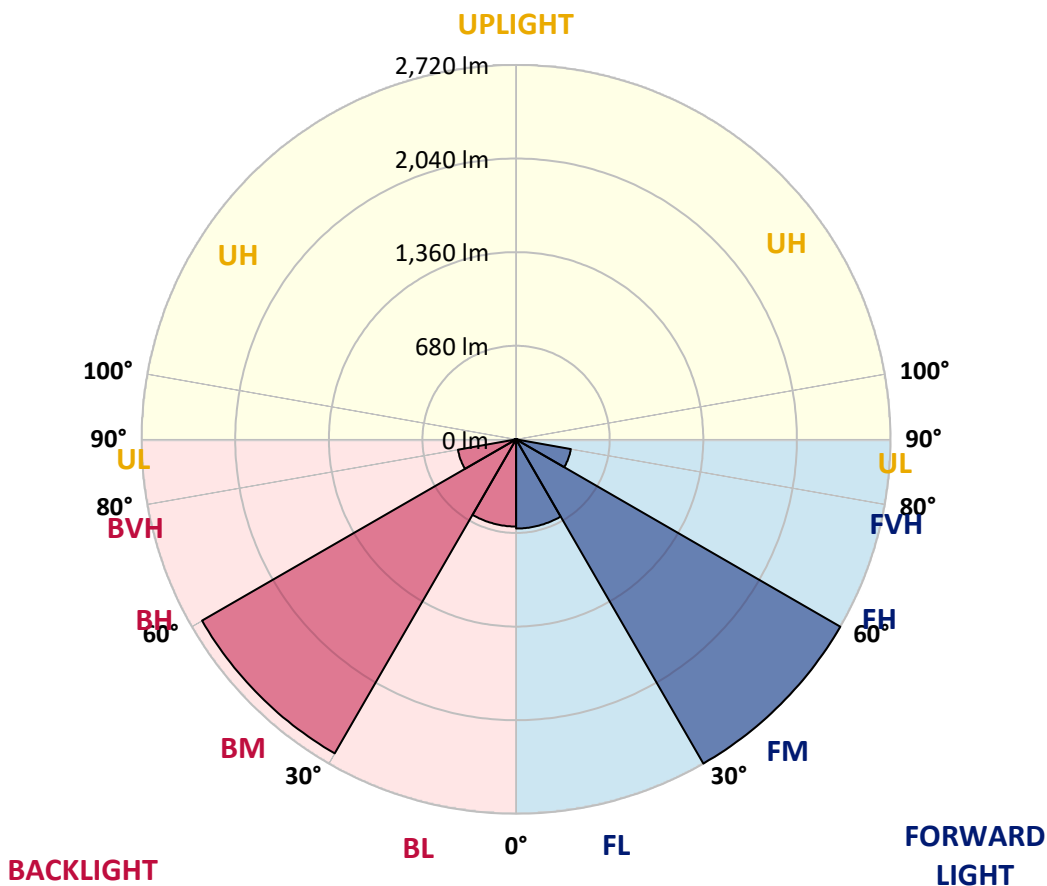
CATALOG NUMBER: GWS-SA1F-760-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	647.8	8.6			
FM (30°-60°)	2720.1	36.3			
FH (60°-80°)	404.0	5.4			G0/660
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	633.4	8.5	B2/1000		
BM (30°-60°)	2634.5	35.2	B3/5000		
BH (60°-80°)	428.9	5.7	B1/500		G0/660
BVH (80°-90°)	13.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P631427

CATALOG NUMBER: GWS-SA1F-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2
2.5°	1223.0	1224.2	1226.6	1230.9	1235.2	1241.2	1243.7	1246.7	1246.1	1249.8	1249.8
5°	1216.9	1218.7	1222.4	1228.4	1235.8	1247.3	1250.4	1257.7	1265.0	1274.1	1277.2
7.5°	1224.2	1226.6	1230.9	1240.6	1251.6	1266.8	1272.9	1285.1	1299.1	1315.6	1322.3
10°	1238.2	1241.2	1248.6	1264.4	1282.1	1305.2	1310.7	1325.9	1348.5	1371.0	1384.4
12.5°	1254.0	1258.9	1272.3	1297.3	1323.5	1354.0	1362.5	1381.4	1405.8	1435.0	1453.3
15°	1272.3	1276.6	1297.3	1332.6	1373.5	1413.7	1423.4	1441.7	1469.1	1497.8	1523.4
17.5°	1310.7	1318.0	1342.4	1383.2	1430.8	1478.3	1489.2	1510.0	1531.9	1554.4	1578.8
20°	1363.1	1369.2	1400.3	1450.9	1506.9	1550.2	1561.2	1579.4	1589.8	1601.4	1622.1
22.5°	1415.5	1424.0	1459.4	1519.1	1584.9	1631.8	1640.4	1657.4	1650.1	1646.5	1659.9
25°	1480.7	1492.3	1527.0	1592.2	1659.3	1717.1	1723.8	1738.5	1726.3	1707.4	1706.8
27.5°	1561.8	1572.1	1608.1	1675.1	1741.5	1801.8	1814.6	1834.1	1807.3	1784.2	1767.7
30°	1658.0	1664.7	1704.3	1775.6	1843.9	1901.2	1917.6	1937.1	1917.0	1878.6	1862.2
32.5°	1770.2	1779.3	1825.0	1900.0	1960.9	2018.2	2034.6	2059.0	2037.1	1993.8	1973.1
35°	1904.8	1914.0	1962.1	2043.8	2105.9	2165.0	2176.6	2196.7	2169.3	2119.3	2102.9
37.5°	2051.1	2062.6	2123.6	2201.0	2266.2	2335.0	2335.6	2341.7	2302.7	2240.6	2222.3
40°	2215.6	2230.8	2291.8	2372.2	2450.8	2506.9	2506.3	2489.2	2423.4	2327.1	2299.1
42.5°	2378.3	2390.5	2452.0	2534.9	2613.5	2666.5	2650.7	2609.2	2514.2	2383.2	2346.0
45°	2495.9	2505.0	2569.6	2662.9	2742.7	2775.6	2746.9	2697.0	2568.4	2418.5	2363.7
47.5°	2551.3	2563.5	2628.7	2721.4	2811.5	2830.4	2796.3	2749.4	2600.1	2451.4	2377.7
50°	2521.5	2537.3	2611.1	2697.0	2798.7	2837.7	2813.4	2766.4	2633.6	2483.7	2402.7
52.5°	2444.1	2459.3	2552.6	2656.8	2771.9	2849.3	2848.7	2810.3	2672.0	2492.8	2403.9
55°	2179.6	2209.5	2354.5	2534.3	2739.0	2883.4	2898.1	2857.2	2678.1	2495.3	2416.7
57.5°	1418.6	1471.0	1608.7	1842.7	2253.4	2622.6	2721.4	2731.1	2634.2	2484.9	2419.1
60°	592.3	634.3	743.4	898.8	1238.2	1677.5	1868.9	2060.8	2292.4	2376.5	2396.6
62.5°	368.0	371.7	382.7	418.0	531.4	745.8	868.9	1048.7	1393.0	1686.1	1821.3
65°	332.1	333.9	336.4	333.9	339.4	365.6	398.5	461.3	601.4	747.1	920.1
67.5°	292.5	294.9	296.8	294.9	296.8	298.0	301.6	307.1	332.7	353.4	369.3
70°	236.4	240.1	243.1	241.9	249.2	249.2	252.9	257.1	269.9	285.2	296.1
72.5°	180.4	177.3	181.0	182.2	188.9	192.6	198.0	202.9	217.5	226.7	240.7
75°	117.0	113.9	119.4	122.5	131.6	136.5	141.4	146.2	156.6	162.7	176.1
77.5°	63.4	62.8	68.2	72.5	82.3	88.4	92.0	95.7	104.2	106.0	114.6
80°	36.6	36.6	40.2	43.3	49.4	56.1	59.7	62.8	68.9	70.7	74.3
82.5°	20.1	20.1	21.9	23.8	28.6	32.3	35.3	37.8	43.3	45.1	46.9
85°	9.7	9.1	10.4	11.6	13.4	15.2	17.1	18.3	22.5	23.8	26.2
87.5°	1.2	1.2	1.2	1.8	2.4	3.7	4.3	4.3	6.7	7.9	9.1
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: P631427

CATALOG NUMBER: GWS-SA1F-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2	1241.2
2.5°	1253.4	1245.5	1250.4	1252.2	1252.2	1250.4	1242.5	1240.0	1236.4	1230.9	1230.9
5°	1281.5	1275.4	1276.6	1273.5	1266.2	1257.1	1242.5	1235.2	1229.1	1222.4	1221.7
7.5°	1329.6	1321.7	1320.5	1308.9	1289.4	1269.9	1247.9	1234.5	1225.4	1216.9	1216.3
10°	1392.4	1385.1	1375.9	1352.8	1324.1	1295.5	1265.6	1247.3	1233.9	1221.7	1221.1
12.5°	1462.4	1453.9	1436.8	1402.7	1366.8	1338.7	1304.6	1276.6	1256.5	1240.0	1237.0
15°	1538.6	1526.4	1497.2	1457.0	1421.6	1391.8	1355.2	1315.0	1284.5	1258.3	1255.3
17.5°	1597.1	1581.3	1549.6	1511.8	1482.5	1452.7	1405.2	1354.6	1310.7	1277.8	1272.9
20°	1637.3	1624.5	1588.6	1560.5	1543.5	1517.3	1461.8	1404.5	1355.2	1313.8	1311.3
22.5°	1674.5	1659.3	1623.9	1607.5	1607.5	1589.8	1536.8	1469.1	1411.3	1363.1	1357.0
25°	1716.5	1700.1	1673.3	1671.4	1680.0	1672.1	1608.1	1535.6	1467.9	1413.7	1403.9
27.5°	1775.0	1756.8	1740.9	1751.9	1764.1	1755.5	1684.2	1600.2	1528.9	1474.0	1465.5
30°	1868.3	1845.7	1831.1	1844.5	1868.3	1843.3	1765.9	1676.9	1605.0	1544.7	1540.4
32.5°	1976.7	1951.1	1935.9	1957.2	1978.6	1939.6	1862.8	1777.5	1701.9	1638.5	1631.2
35°	2107.1	2074.8	2052.3	2080.9	2102.9	2064.5	1988.3	1907.3	1823.2	1757.4	1747.6
37.5°	2222.9	2183.9	2168.7	2208.9	2238.1	2213.2	2130.3	2054.1	1962.1	1890.2	1885.9
40°	2307.0	2268.6	2257.6	2324.1	2375.2	2369.1	2294.8	2207.7	2121.1	2038.3	2030.4
42.5°	2343.6	2316.7	2319.2	2408.8	2488.0	2527.0	2460.6	2367.3	2283.8	2197.9	2192.4
45°	2351.5	2335.0	2354.5	2466.6	2570.8	2650.7	2594.0	2516.0	2421.6	2338.7	2336.2
47.5°	2360.0	2350.9	2380.7	2499.6	2623.2	2715.9	2684.2	2603.7	2508.1	2427.0	2420.9
50°	2380.1	2376.5	2410.0	2522.7	2648.2	2733.5	2697.6	2617.8	2519.7	2439.8	2425.2
52.5°	2386.2	2380.1	2428.3	2558.7	2689.7	2732.9	2655.5	2551.3	2452.6	2363.7	2348.4
55°	2405.1	2394.1	2427.0	2572.1	2746.9	2768.3	2653.1	2497.1	2359.4	2238.1	2202.2
57.5°	2410.0	2397.8	2419.1	2550.1	2684.8	2665.9	2332.0	2015.1	1755.5	1620.9	1636.1
60°	2383.8	2387.4	2350.9	2336.2	2153.4	1901.2	1427.7	1141.3	896.4	792.8	815.3
62.5°	1814.6	1829.9	1705.0	1482.5	1140.1	903.7	597.8	464.3	393.0	374.7	377.8
65°	915.9	936.6	806.8	667.2	496.0	401.0	346.7	335.8	332.1	327.8	327.8
67.5°	362.6	368.7	363.8	340.6	316.9	308.3	305.9	304.7	300.4	298.0	298.6
70°	291.3	296.1	288.8	274.2	264.5	263.8	262.6	260.2	257.1	257.1	259.0
72.5°	237.6	242.5	232.2	223.0	215.7	210.2	207.2	205.4	201.1	201.1	202.9
75°	174.9	177.9	169.4	168.2	160.3	154.8	149.9	147.5	142.0	139.5	141.4
77.5°	116.4	115.8	111.5	111.5	108.5	101.8	96.3	90.8	83.5	78.6	79.8
80°	75.6	75.6	73.7	73.7	70.7	65.2	58.5	53.0	48.7	45.1	45.1
82.5°	48.1	47.5	46.9	46.3	45.1	39.6	34.7	31.1	28.0	25.6	26.2
85°	26.8	26.8	25.6	25.6	23.2	20.1	17.7	15.2	13.4	12.8	12.8
87.5°	9.1	9.1	8.5	8.5	7.3	5.5	4.3	3.7	3.0	2.4	3.0
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)