

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: P631372

Luminaire Tested: GWS-SA1F-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631372
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7597.1 lumens
Efficiency: N/A
Efficacy: 113.1 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

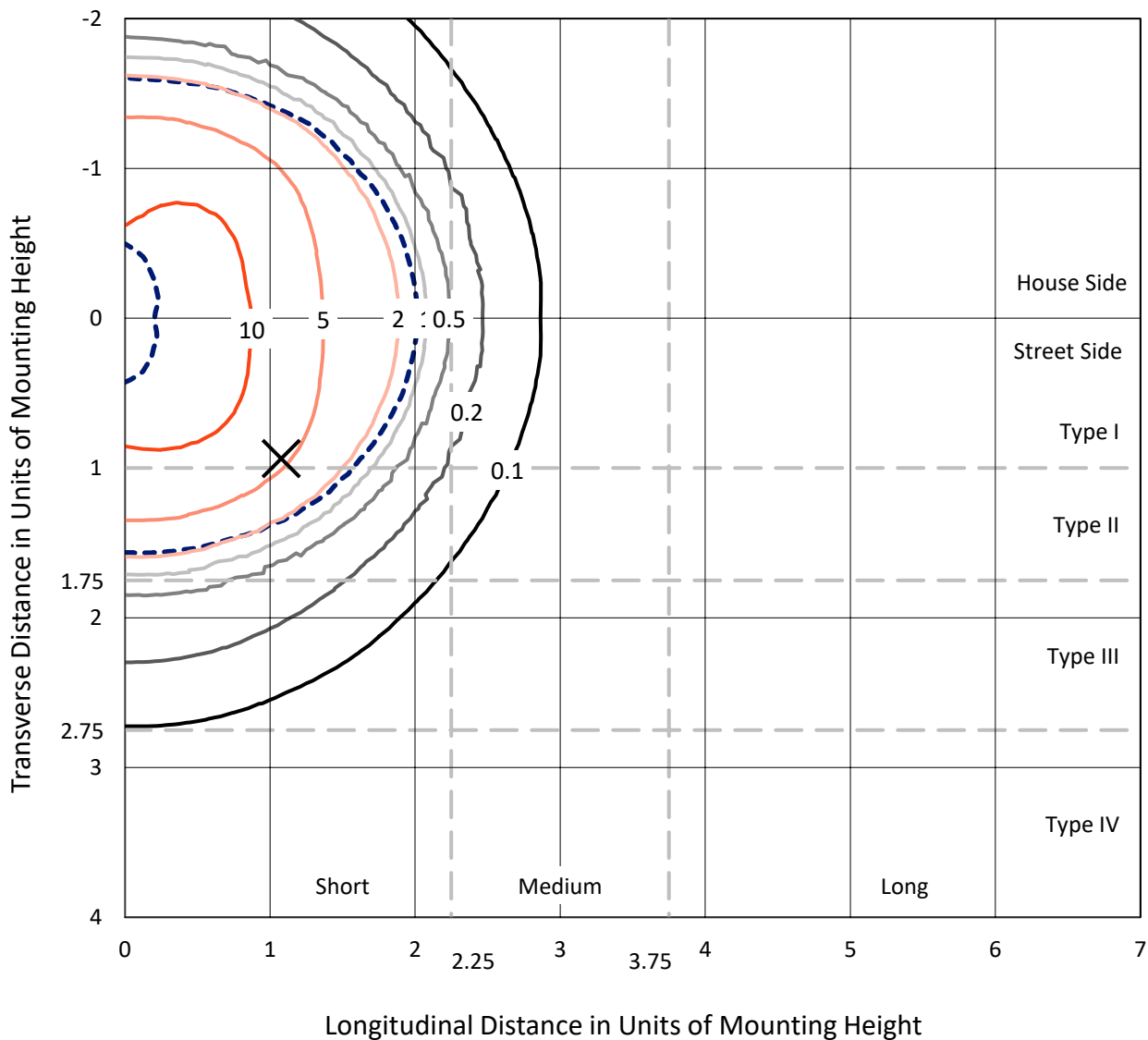


REPORT NUMBER: P631372

CATALOG NUMBER: GWS-SA1F-750-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

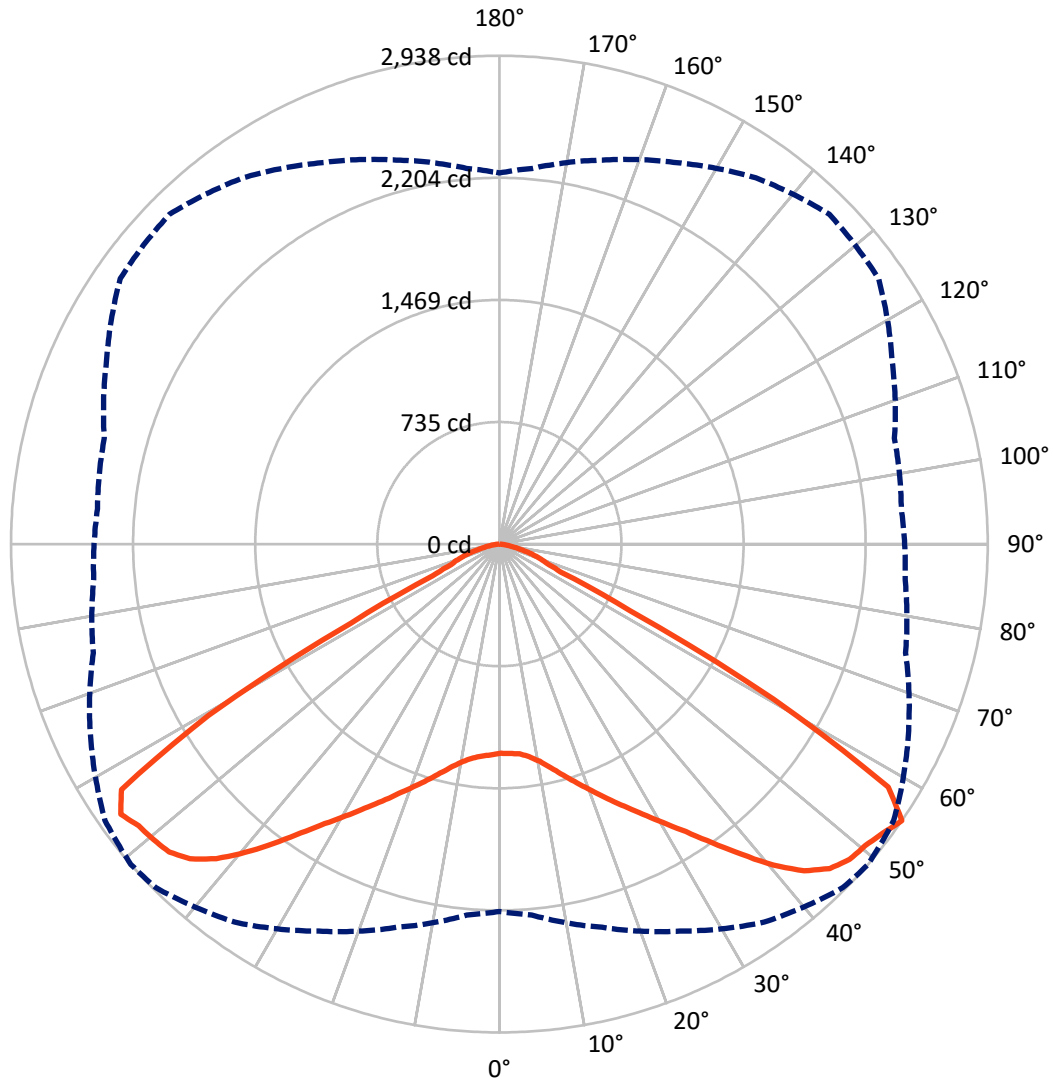
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type V - Short - N/A

REPORT NUMBER: P631372
CATALOG NUMBER: GWS-SA1F-750-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631372

CATALOG NUMBER: GWS-SA1F-750-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3761.3	0.0	3761.3
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3835.8	0.0	3835.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	7597.1	0.0	7597.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	1.6
10°-20°	404.9	5.3
20°-30°	771.3	10.2
30°-40°	1307.5	17.2
40°-50°	1967.7	25.9
50°-60°	2153.8	28.4
60°-70°	681.1	9.0
70°-80°	163.5	2.2
80°-90°	24.5	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°	7597.1	100.0
0°-180°	7597.1	100.0

Coefficient of Utilization



REPORT NUMBER: P631372

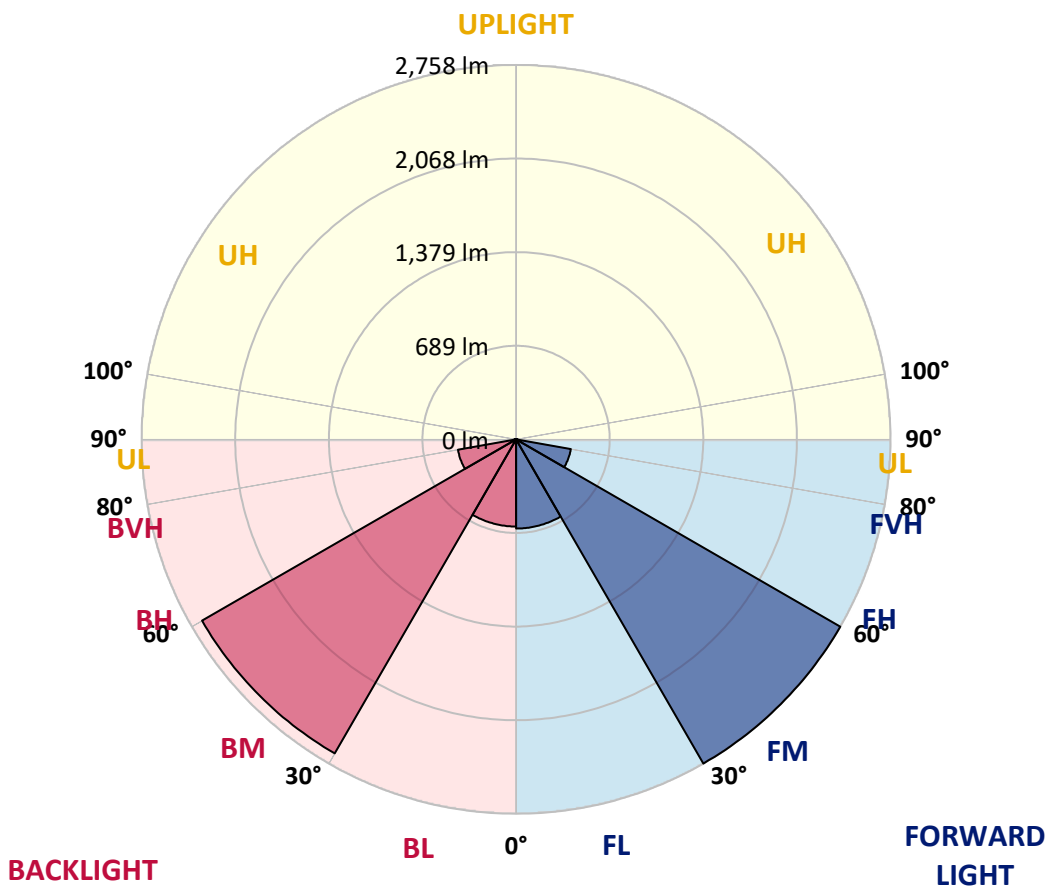
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.8	8.6			
FM (30°-60°)	2758.0	36.3			
FH (60°-80°)	409.7	5.4			G0/660
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	642.2	8.5	B2/1000		
BM (30°-60°)	2671.1	35.2	B3/5000		
BH (60°-80°)	434.8	5.7	B1/500		G0/660
BVH (80°-90°)	13.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P631372

CATALOG NUMBER: GWS-SA1F-750-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5
2.5°	1240.0	1241.2	1243.7	1248.0	1252.3	1258.5	1261.0	1264.1	1263.4	1267.2	1267.2
5°	1233.8	1235.6	1239.4	1245.5	1252.9	1264.7	1267.8	1275.2	1282.6	1291.9	1295.0
7.5°	1241.2	1243.7	1248.0	1257.9	1269.0	1284.5	1290.6	1303.0	1317.2	1333.9	1340.7
10°	1255.4	1258.5	1265.9	1282.0	1299.9	1323.4	1328.9	1344.4	1367.2	1390.1	1403.7
12.5°	1271.5	1276.4	1290.0	1315.3	1341.9	1372.8	1381.5	1400.6	1425.3	1455.0	1473.5
15°	1290.0	1294.3	1315.3	1351.2	1392.6	1433.3	1443.2	1461.8	1489.6	1518.6	1544.6
17.5°	1328.9	1336.4	1361.1	1402.5	1450.6	1498.8	1510.0	1531.0	1553.2	1576.1	1600.8
20°	1382.1	1388.2	1419.8	1471.0	1527.9	1571.7	1582.9	1601.4	1611.9	1623.6	1644.6
22.5°	1435.2	1443.9	1479.7	1540.2	1607.0	1654.5	1663.2	1680.5	1673.1	1669.4	1683.0
25°	1501.3	1513.0	1548.3	1614.4	1682.3	1741.0	1747.8	1762.6	1750.3	1731.1	1730.5
27.5°	1583.5	1594.0	1630.4	1698.4	1765.7	1826.9	1839.9	1859.6	1832.5	1809.0	1792.3
30°	1681.1	1687.9	1728.1	1800.3	1869.5	1927.6	1944.3	1964.1	1943.7	1904.7	1888.1
32.5°	1794.8	1804.0	1850.4	1926.4	1988.2	2046.2	2062.9	2087.6	2065.4	2021.5	2000.5
35°	1931.3	1940.6	1989.4	2072.2	2135.2	2195.1	2206.9	2227.3	2199.5	2148.8	2132.1
37.5°	2079.6	2091.3	2153.1	2231.6	2297.7	2367.5	2368.1	2374.3	2334.8	2271.7	2253.2
40°	2246.4	2261.9	2323.6	2405.2	2484.9	2541.7	2541.1	2523.8	2457.1	2359.5	2331.0
42.5°	2411.4	2423.7	2486.1	2570.1	2649.8	2703.6	2687.5	2645.5	2549.1	2416.3	2378.6
45°	2530.6	2539.9	2605.4	2699.9	2780.8	2814.2	2785.1	2734.5	2604.1	2452.1	2396.5
47.5°	2586.8	2599.2	2665.3	2759.2	2850.6	2869.8	2835.2	2787.6	2636.3	2485.5	2410.7
50°	2556.6	2572.6	2647.4	2734.5	2837.7	2877.2	2852.5	2804.9	2670.2	2518.2	2436.1
52.5°	2478.1	2493.5	2588.1	2693.7	2810.5	2888.9	2888.3	2849.4	2709.2	2527.5	2437.3
55°	2210.0	2240.2	2387.3	2569.5	2777.1	2923.5	2938.4	2897.0	2715.3	2530.0	2450.3
57.5°	1438.3	1491.4	1631.1	1868.3	2284.7	2659.1	2759.2	2769.1	2670.8	2519.5	2452.8
60°	600.5	643.2	753.7	911.3	1255.4	1700.9	1894.9	2089.5	2324.3	2409.5	2429.9
62.5°	373.2	376.9	388.0	423.8	538.7	756.2	881.0	1063.3	1412.3	1709.5	1846.7
65°	336.7	338.6	341.0	338.6	344.1	370.7	404.1	467.7	609.8	757.5	932.9
67.5°	296.6	299.0	300.9	299.0	300.9	302.1	305.8	311.4	337.3	358.3	374.4
70°	239.7	243.4	246.5	245.3	252.7	252.7	256.4	260.7	273.7	289.1	300.3
72.5°	182.9	179.8	183.5	184.7	191.5	195.2	200.8	205.7	220.6	229.8	244.0
75°	118.6	115.5	121.1	124.2	133.4	138.4	143.3	148.3	158.8	165.0	178.6
77.5°	64.3	63.6	69.2	73.5	83.4	89.6	93.3	97.0	105.6	107.5	116.2
80°	37.1	37.1	40.8	43.9	50.0	56.8	60.5	63.6	69.8	71.7	75.4
82.5°	20.4	20.4	22.2	24.1	29.0	32.7	35.8	38.3	43.9	45.7	47.6
85°	9.9	9.3	10.5	11.7	13.6	15.4	17.3	18.5	22.9	24.1	26.6
87.5°	1.2	1.2	1.2	1.9	2.5	3.7	4.3	4.3	6.8	8.0	9.3
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: P631372

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5
2.5°	1270.9	1262.8	1267.8	1269.6	1269.6	1267.8	1259.7	1257.3	1253.6	1248.0	1248.0
5°	1299.3	1293.1	1294.3	1291.3	1283.8	1274.6	1259.7	1252.3	1246.1	1239.4	1238.7
7.5°	1348.1	1340.1	1338.8	1327.1	1307.3	1287.5	1265.3	1251.7	1242.4	1233.8	1233.2
10°	1411.7	1404.3	1395.0	1371.6	1342.5	1313.5	1283.2	1264.7	1251.1	1238.7	1238.1
12.5°	1482.8	1474.1	1456.8	1422.2	1385.8	1357.4	1322.8	1294.3	1274.0	1257.3	1254.2
15°	1560.0	1547.6	1518.0	1477.2	1441.4	1411.1	1374.0	1333.3	1302.4	1275.8	1272.7
17.5°	1619.3	1603.3	1571.1	1532.8	1503.2	1472.9	1424.7	1373.4	1328.9	1295.6	1290.6
20°	1660.1	1647.1	1610.7	1582.2	1564.9	1538.4	1482.2	1424.1	1374.0	1332.0	1329.6
22.5°	1697.8	1682.3	1646.5	1629.8	1629.8	1611.9	1558.1	1489.6	1430.9	1382.1	1375.9
25°	1740.4	1723.7	1696.5	1694.7	1703.3	1695.3	1630.4	1556.9	1488.3	1433.3	1423.5
27.5°	1799.7	1781.2	1765.1	1776.2	1788.6	1779.9	1707.7	1622.4	1550.1	1494.5	1485.9
30°	1894.2	1871.4	1856.6	1870.2	1894.2	1868.9	1790.5	1700.2	1627.3	1566.2	1561.9
32.5°	2004.2	1978.3	1962.8	1984.4	2006.1	1966.5	1888.7	1802.2	1725.6	1661.3	1653.9
35°	2136.4	2103.7	2080.8	2109.9	2132.1	2093.2	2016.0	1933.8	1848.5	1781.8	1771.9
37.5°	2253.8	2214.3	2198.8	2239.6	2269.3	2243.9	2159.9	2082.7	1989.4	1916.5	1912.2
40°	2339.1	2300.2	2289.0	2356.4	2408.3	2402.1	2326.7	2238.4	2150.6	2066.6	2058.6
42.5°	2376.1	2349.0	2351.4	2442.3	2522.6	2562.1	2494.8	2400.2	2315.6	2228.5	2222.9
45°	2384.2	2367.5	2387.3	2500.9	2606.6	2687.5	2630.1	2551.0	2455.2	2371.2	2368.7
47.5°	2392.8	2383.6	2413.8	2534.3	2659.7	2753.6	2721.5	2640.0	2543.0	2460.8	2454.6
50°	2413.2	2409.5	2443.5	2557.8	2685.1	2771.6	2735.1	2654.2	2554.7	2473.8	2458.9
52.5°	2419.4	2413.2	2462.0	2594.2	2727.1	2770.9	2692.5	2586.8	2486.7	2396.5	2381.1
55°	2438.5	2427.4	2460.8	2607.8	2785.1	2806.8	2690.0	2531.8	2392.2	2269.3	2232.8
57.5°	2443.5	2431.1	2452.8	2585.6	2722.1	2703.0	2364.4	2043.1	1779.9	1643.4	1658.9
60°	2416.9	2420.6	2383.6	2368.7	2183.4	1927.6	1447.6	1157.2	908.8	803.8	826.6
62.5°	1839.9	1855.3	1728.7	1503.2	1155.9	916.2	606.1	470.8	398.5	380.0	383.1
65°	928.6	949.6	818.0	676.5	502.9	406.5	351.5	340.4	336.7	332.4	332.4
67.5°	367.6	373.8	368.8	345.4	321.3	312.6	310.1	308.9	304.6	302.1	302.7
70°	295.3	300.3	292.8	278.0	268.1	267.5	266.3	263.8	260.7	260.7	262.6
72.5°	241.0	245.9	235.4	226.1	218.7	213.1	210.1	208.2	203.9	203.9	205.7
75°	177.3	180.4	171.8	170.5	162.5	156.9	152.0	149.5	144.0	141.5	143.3
77.5°	118.0	117.4	113.1	113.1	110.0	103.2	97.6	92.1	84.6	79.7	80.9
80°	76.6	76.6	74.8	74.8	71.7	66.1	59.3	53.8	49.4	45.7	45.7
82.5°	48.8	48.2	47.6	47.0	45.7	40.2	35.2	31.5	28.4	25.9	26.6
85°	27.2	27.2	25.9	25.9	23.5	20.4	17.9	15.4	13.6	13.0	13.0
87.5°	9.3	9.3	8.6	8.6	7.4	5.6	4.3	3.7	3.1	2.5	3.1
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)