

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: P630933

Luminaire Tested: GWS-SA1E-760-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7870 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

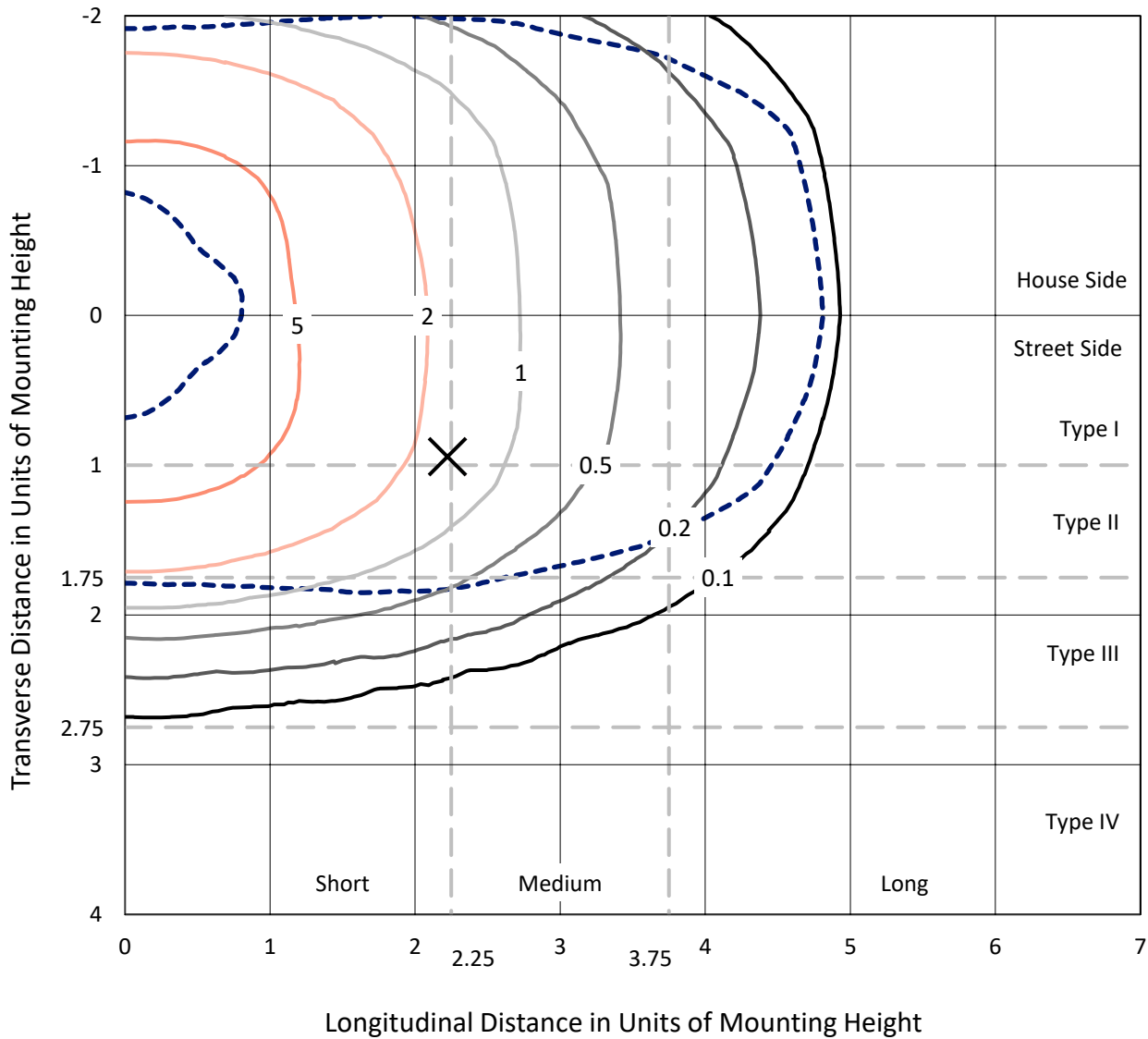
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

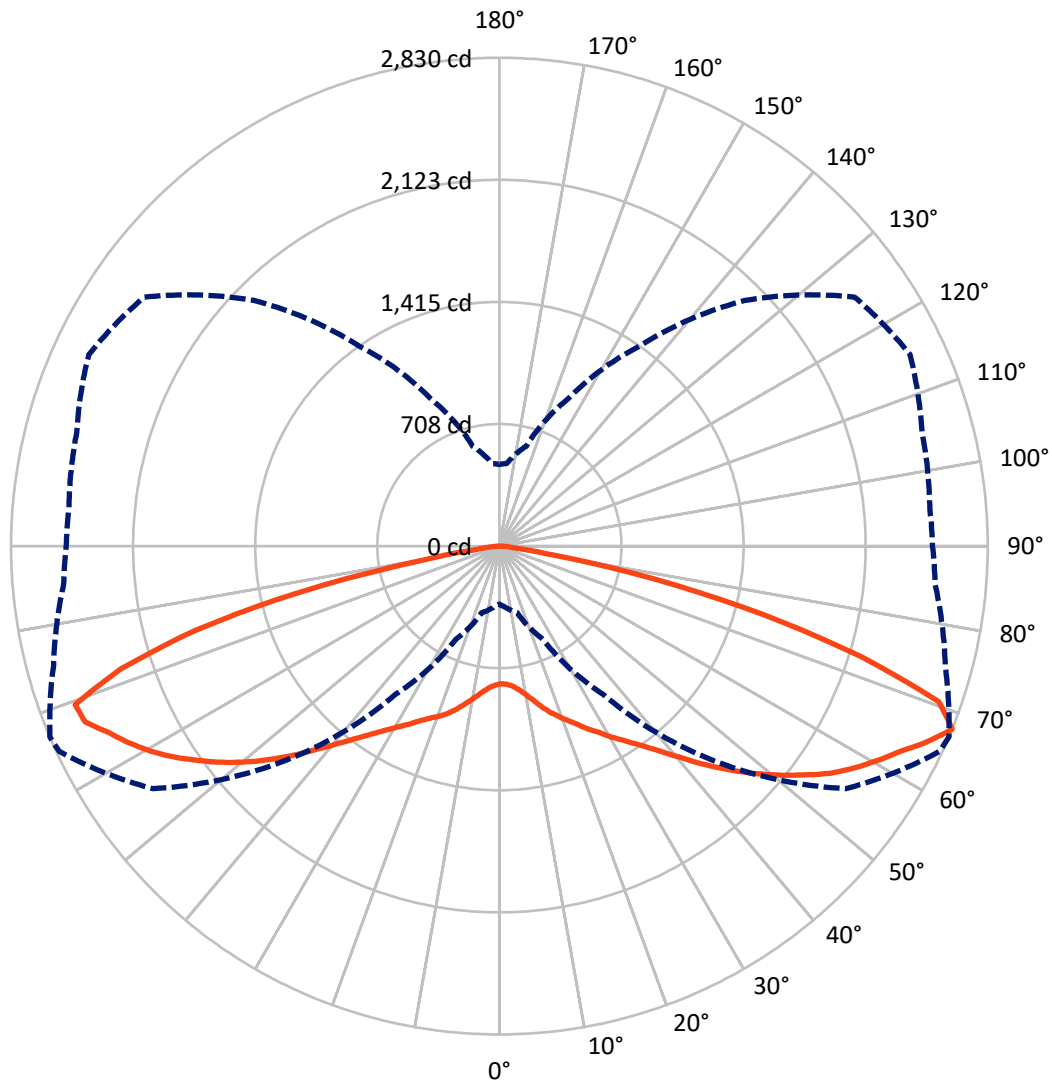
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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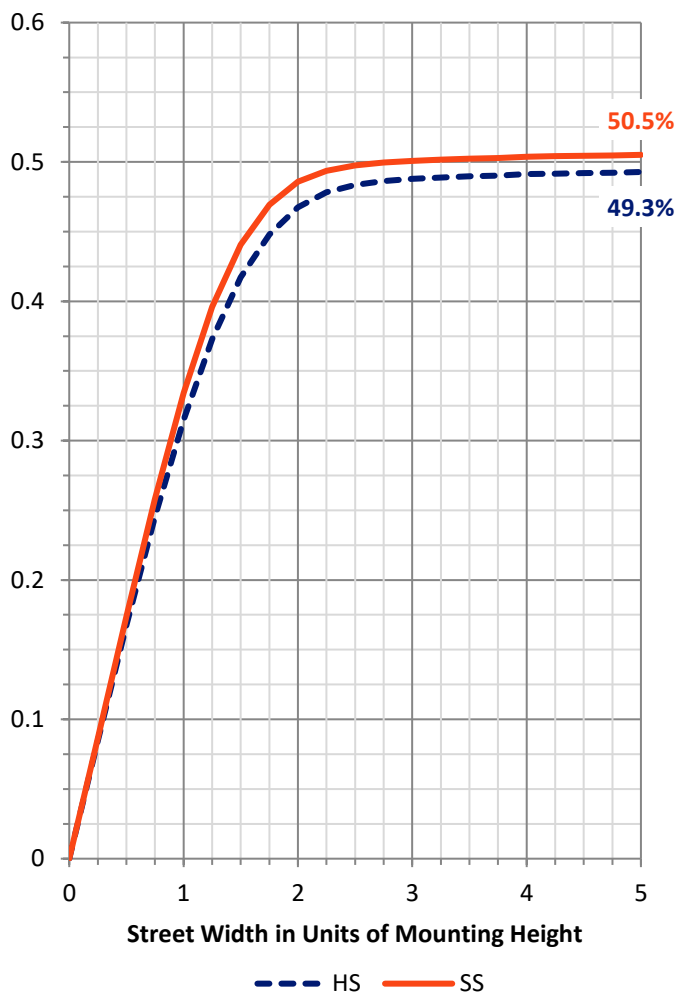
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3891.6	0.0	3891.6
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	3978.4	0.0	3978.4
	% Fixture	50.6	0.0	50.6
Total	Lumens	7870.0	0.0	7870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	1.0
10°-20°	264.1	3.4
20°-30°	518.2	6.6
30°-40°	882.9	11.2
40°-50°	1417.7	18.0
50°-60°	1926.4	24.5
60°-70°	1842.8	23.4
70°-80°	876.1	11.1
80°-90°	63.5	0.8
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°	7870.0	100.0
0°-180°	7870.0	100.0

Coefficient of Utilization



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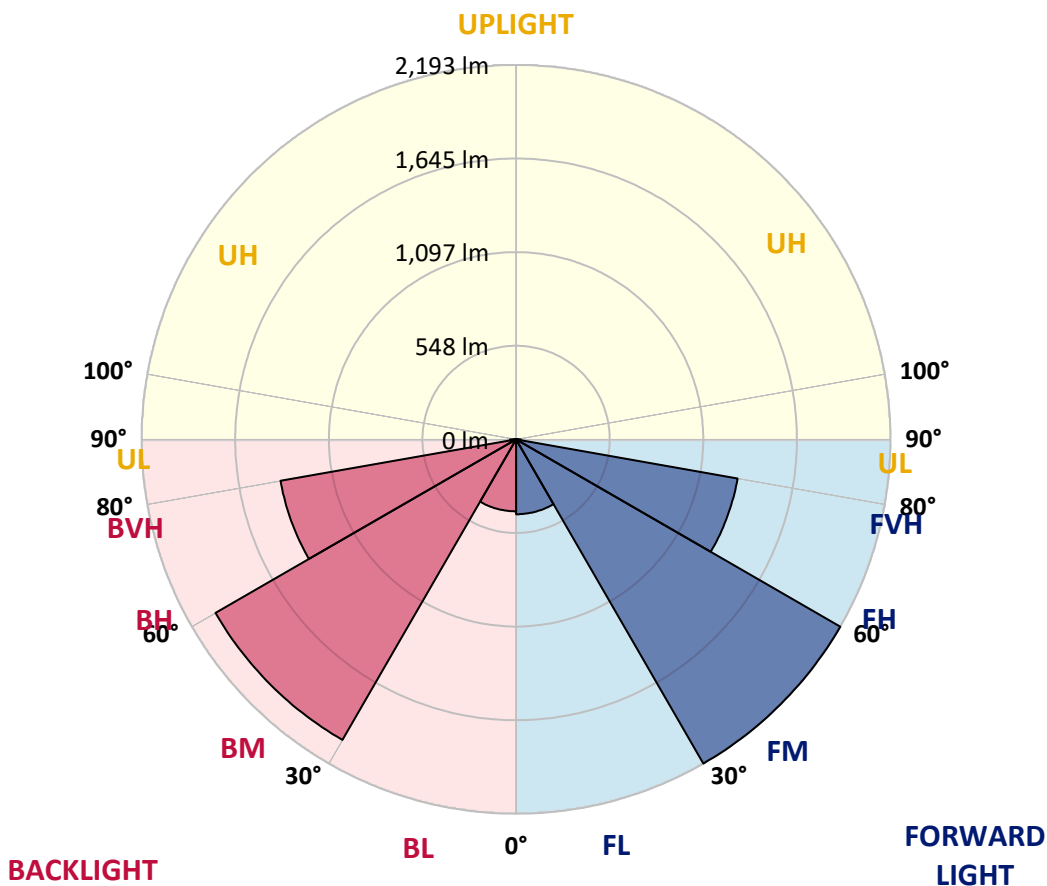
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.8	5.6			
FM (30°-60°)	2193.4	27.9			
FH (60°-80°)	1317.6	16.7			G1/1800
FVH (80°-90°)	28.5	0.4			G1/100
BL (0°-30°)	421.7	5.4	B1/500		
BM (30°-60°)	2033.6	25.8	B2/2500		
BH (60°-80°)	1401.2	17.8	B3/2500		G3/2500
BVH (80°-90°)	35.0	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	780.4	781.5	783.2	786.5	789.8	794.7	799.6	799.1	801.3	802.9	804.6
5°	776.1	777.2	779.9	784.3	789.2	797.4	807.8	812.2	815.5	821.5	827.0
7.5°	785.4	787.6	791.4	797.4	805.1	815.5	829.8	837.4	842.4	853.3	862.6
10°	798.0	800.7	808.4	819.9	831.4	847.3	865.4	876.9	880.2	894.4	912.0
12.5°	810.0	813.3	825.9	846.8	867.6	889.0	910.3	924.6	925.7	944.9	964.6
15°	829.2	832.0	848.9	875.8	907.6	937.2	963.5	973.4	977.7	991.4	1016.1
17.5°	871.4	874.7	896.6	925.7	959.1	990.3	1016.7	1024.9	1024.9	1036.4	1056.7
20°	916.9	920.2	949.2	986.5	1027.1	1058.9	1079.1	1071.5	1068.7	1072.0	1086.3
22.5°	967.9	973.9	1001.9	1045.2	1095.0	1133.9	1144.4	1121.3	1113.7	1106.0	1109.3
25°	1033.1	1040.2	1067.6	1113.7	1162.4	1203.5	1209.6	1173.9	1169.6	1142.7	1132.8
27.5°	1108.2	1113.7	1147.6	1193.1	1238.6	1273.1	1279.7	1235.9	1221.1	1183.8	1160.8
30°	1205.2	1210.1	1239.7	1284.7	1324.1	1348.2	1356.5	1296.2	1284.7	1227.7	1192.0
32.5°	1311.0	1313.2	1343.3	1386.6	1421.7	1444.7	1433.2	1363.0	1346.0	1281.9	1233.1
35°	1432.1	1432.1	1471.0	1506.1	1534.0	1540.6	1518.7	1438.7	1418.9	1349.3	1288.5
37.5°	1551.0	1554.3	1590.5	1632.1	1656.8	1655.7	1615.7	1528.0	1505.5	1429.9	1362.5
40°	1679.8	1686.9	1723.1	1769.7	1793.3	1790.0	1728.6	1631.0	1608.0	1518.7	1452.9
42.5°	1798.2	1809.7	1851.9	1899.6	1925.3	1923.1	1859.0	1749.4	1726.9	1626.1	1560.3
45°	1892.5	1904.5	1957.1	2023.4	2064.5	2060.7	1996.0	1872.2	1844.8	1739.0	1666.7
47.5°	1975.2	1987.8	2046.5	2116.6	2181.8	2188.4	2129.2	1996.0	1967.0	1860.1	1778.5
50°	2038.8	2044.8	2110.6	2187.3	2262.9	2299.7	2248.1	2120.4	2085.4	1979.6	1887.5
52.5°	2033.9	2042.1	2123.2	2227.3	2328.7	2389.0	2353.4	2237.7	2203.8	2088.7	1998.8
55°	1933.6	1941.8	2038.2	2190.1	2365.4	2454.2	2450.4	2349.5	2324.9	2199.9	2114.4
57.5°	1787.2	1805.3	1901.2	2065.1	2317.2	2506.3	2521.6	2451.5	2425.7	2309.0	2229.0
60°	1525.3	1549.4	1660.1	1872.7	2162.7	2488.7	2597.8	2537.5	2521.6	2410.4	2332.5
62.5°	1108.2	1125.7	1273.1	1552.1	1933.6	2363.8	2661.9	2626.3	2614.3	2501.4	2426.3
65°	663.7	703.7	822.1	1097.8	1559.8	2128.1	2626.9	2742.5	2729.9	2595.1	2506.3
67.5°	336.0	354.0	400.6	595.2	1049.0	1760.9	2450.9	2814.8	2830.2	2675.1	2534.8
70°	208.3	213.2	226.3	293.8	523.9	1157.0	2004.3	2626.3	2701.4	2662.5	2460.8
72.5°	167.2	168.3	170.4	183.1	251.6	540.9	1267.1	2056.9	2192.2	2486.6	2355.0
75°	138.7	139.2	139.8	143.6	156.7	220.9	616.6	1413.5	1571.8	2113.3	2183.5
77.5°	111.3	108.5	110.7	112.4	115.6	123.3	212.6	754.1	914.7	1387.1	1688.6
80°	72.3	71.2	75.6	77.3	80.6	85.5	113.4	255.9	310.8	504.8	537.1
82.5°	38.9	36.7	46.0	44.4	46.0	49.9	66.9	93.7	105.2	152.4	128.8
85°	12.1	12.1	12.6	14.8	18.1	17.5	29.0	46.0	51.0	65.2	48.2
87.5°	2.2	2.2	2.2	2.2	2.2	2.7	6.0	9.3	12.6	22.5	17.0
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°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	807.8	802.9	805.7	807.3	806.7	805.7	800.2	799.1	796.3	791.9	790.9
5°	832.0	826.5	827.0	825.4	819.9	812.8	800.7	794.7	789.8	784.3	783.7
7.5°	869.8	863.7	862.1	854.4	839.1	822.6	803.5	792.5	784.3	777.2	776.1
10°	918.0	912.0	906.5	888.4	863.2	841.3	816.1	800.2	788.1	779.3	777.7
12.5°	971.7	966.8	953.1	926.8	896.6	870.9	845.1	825.4	807.8	794.7	793.0
15°	1031.5	1020.5	999.7	965.7	937.2	916.4	885.1	858.3	830.3	812.8	808.9
17.5°	1073.1	1063.8	1039.1	1006.2	983.8	965.7	929.0	890.6	852.8	827.0	821.5
20°	1102.7	1092.8	1064.9	1040.8	1033.6	1018.3	975.5	931.2	887.3	855.5	848.4
22.5°	1124.1	1113.7	1085.2	1073.1	1083.0	1080.2	1038.6	988.2	936.1	898.3	889.5
25°	1144.4	1134.5	1109.3	1113.7	1140.0	1148.2	1103.2	1044.6	985.4	941.0	930.6
27.5°	1163.5	1150.9	1139.4	1163.5	1200.8	1216.1	1168.5	1102.2	1038.0	992.5	984.3
30°	1193.1	1178.3	1176.7	1211.8	1271.0	1284.1	1231.5	1165.2	1101.6	1055.6	1045.2
32.5°	1230.4	1216.7	1217.8	1270.4	1338.9	1349.9	1304.9	1243.0	1179.4	1133.4	1119.1
35°	1280.8	1263.8	1273.1	1337.8	1406.9	1427.2	1391.0	1339.5	1277.5	1230.4	1214.5
37.5°	1350.4	1325.8	1344.9	1412.9	1482.5	1512.6	1484.7	1446.3	1385.0	1337.3	1322.5
40°	1439.2	1418.9	1426.6	1501.7	1573.5	1609.7	1592.1	1554.3	1493.5	1443.6	1426.6
42.5°	1544.4	1524.2	1521.4	1601.4	1673.2	1728.0	1711.0	1676.5	1613.5	1556.5	1540.1
45°	1647.5	1628.8	1632.7	1714.3	1794.9	1854.6	1837.7	1797.1	1728.6	1662.8	1649.7
47.5°	1754.9	1739.5	1742.8	1829.4	1918.2	1978.0	1956.6	1907.3	1827.2	1757.1	1741.2
50°	1865.1	1847.5	1852.4	1943.4	2039.3	2095.8	2062.9	1990.0	1901.8	1833.3	1819.6
52.5°	1974.7	1953.8	1966.4	2052.5	2151.7	2196.6	2135.8	2047.6	1962.1	1894.1	1878.8
55°	2100.7	2078.8	2065.1	2157.2	2255.3	2273.9	2190.6	2087.6	1986.2	1908.9	1899.6
57.5°	2215.8	2197.2	2171.4	2263.5	2335.8	2322.1	2232.8	2076.6	1927.5	1828.3	1815.2
60°	2318.8	2303.0	2280.5	2358.9	2391.7	2361.0	2198.8	1946.7	1782.8	1679.3	1673.2
62.5°	2413.7	2396.7	2375.8	2442.7	2438.3	2367.1	2044.3	1747.2	1528.0	1416.7	1406.9
65°	2488.7	2473.4	2467.4	2520.0	2512.9	2249.2	1803.7	1420.6	1116.4	990.9	987.1
67.5°	2510.1	2504.1	2536.4	2625.8	2514.5	2012.5	1414.5	942.1	599.6	480.6	473.5
70°	2430.1	2429.6	2522.2	2649.9	2286.5	1537.3	834.7	424.7	301.4	267.5	263.1
72.5°	2326.0	2324.3	2397.8	2286.0	1695.7	841.3	351.3	227.4	188.5	179.2	179.2
75°	2155.0	2150.6	2205.9	1739.0	953.6	316.8	186.3	156.2	148.0	146.3	146.3
77.5°	1756.5	1719.8	1632.7	1074.7	332.7	155.6	123.3	122.8	117.8	117.3	117.3
80°	577.7	577.7	671.4	409.9	146.9	95.9	87.1	91.5	86.6	83.3	82.8
82.5°	94.3	129.9	184.7	117.3	79.5	59.7	53.7	57.0	59.7	47.7	47.7
85°	37.3	48.8	71.2	54.8	36.7	24.1	25.8	28.5	25.2	21.9	21.4
87.5°	14.2	17.5	25.2	13.2	7.7	4.4	2.7	2.7	2.2	2.2	2.2
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)