

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: P630878

Luminaire Tested: GWS-SA1E-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630878
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-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7979.3 lumens
Efficiency: N/A
Efficacy: 136.6 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

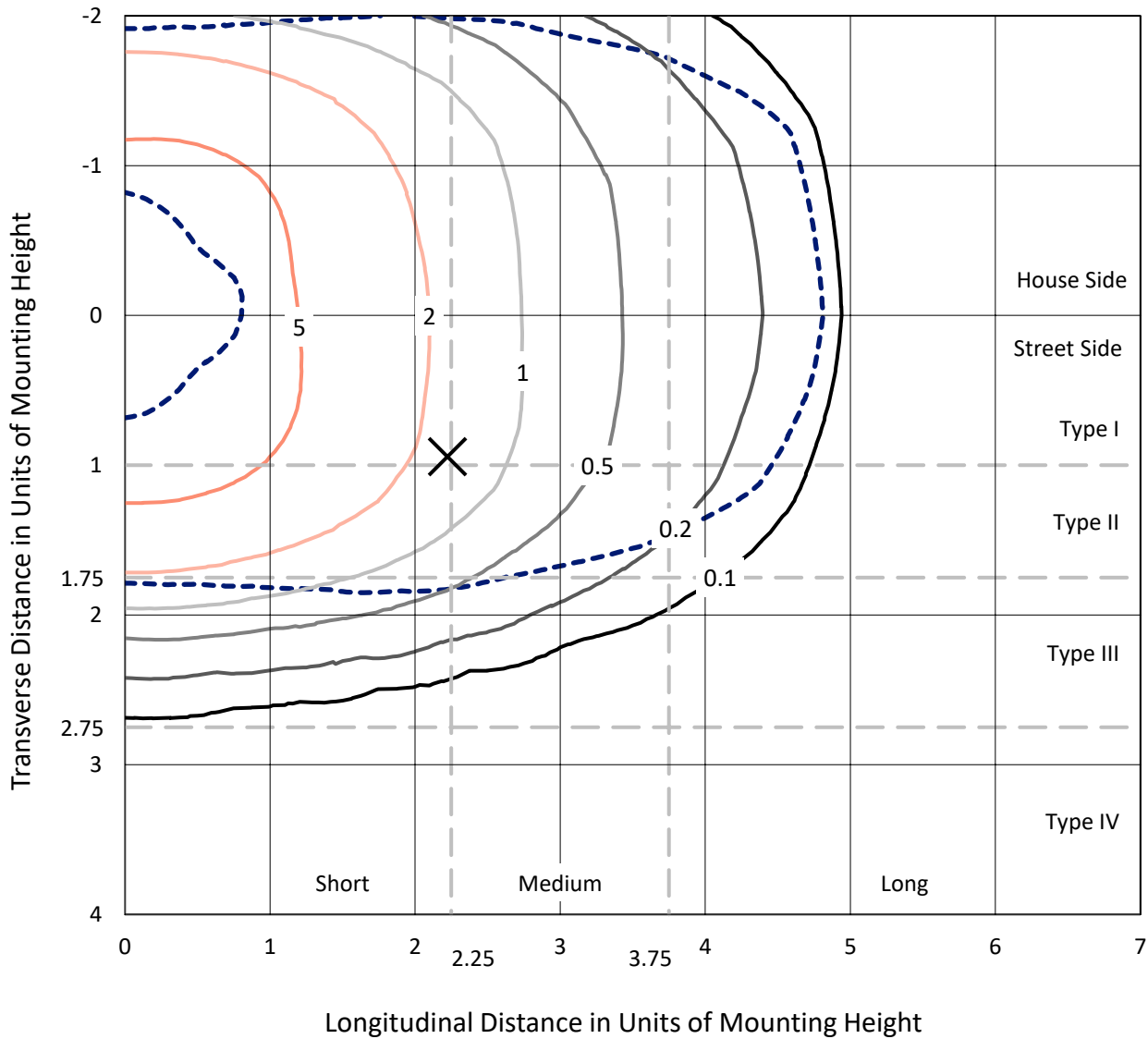
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

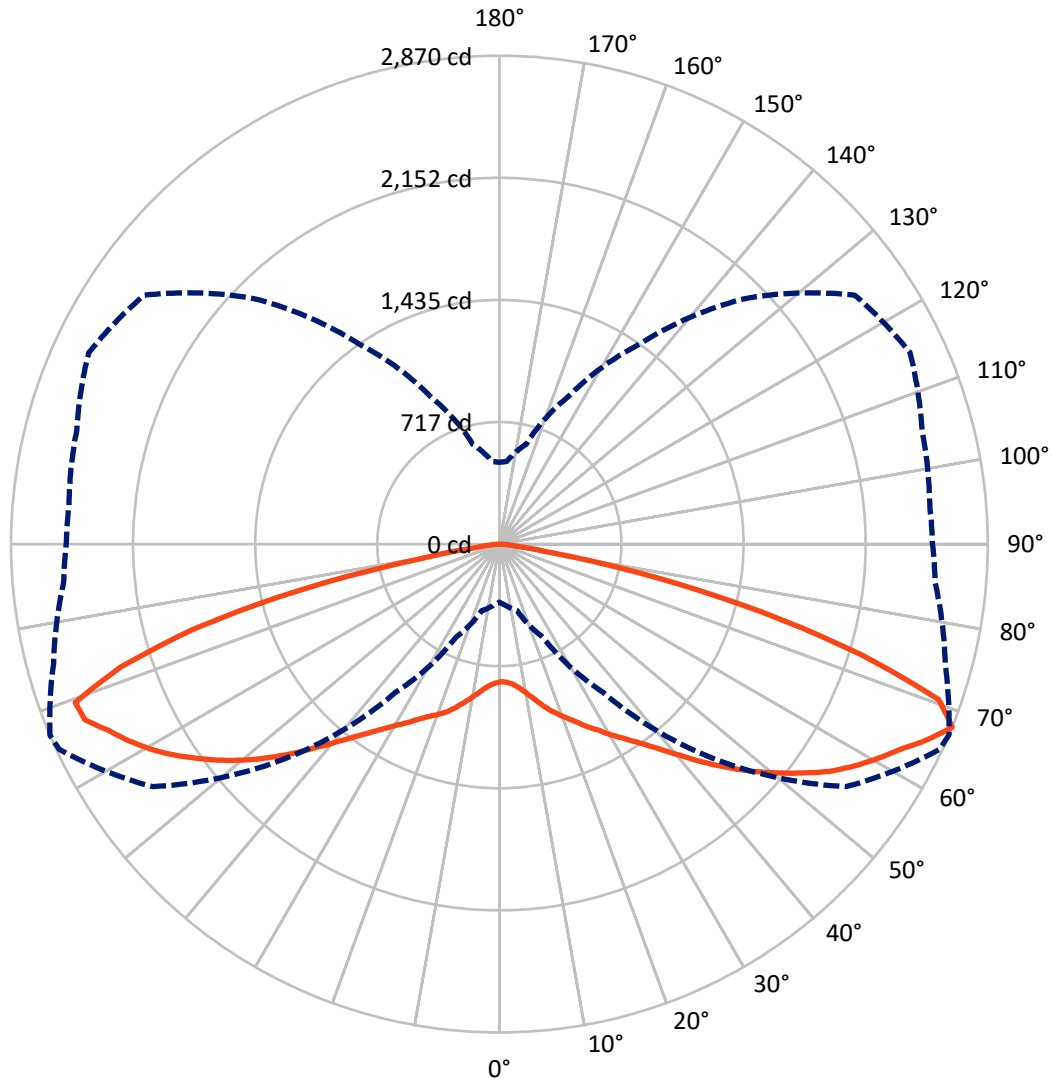
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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	3945.6	0.0	3945.6
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	4033.7	0.0	4033.7
	% Fixture	50.6	0.0	50.6
Total	Lumens	7979.3	0.0	7979.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	1.0
10°-20°	267.8	3.4
20°-30°	525.4	6.6
30°-40°	895.2	11.2
40°-50°	1437.4	18.0
50°-60°	1953.2	24.5
60°-70°	1868.4	23.4
70°-80°	888.3	11.1
80°-90°	64.4	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°	7979.3	100.0
0°-180°	7979.3	100.0

Coefficient of Utilization



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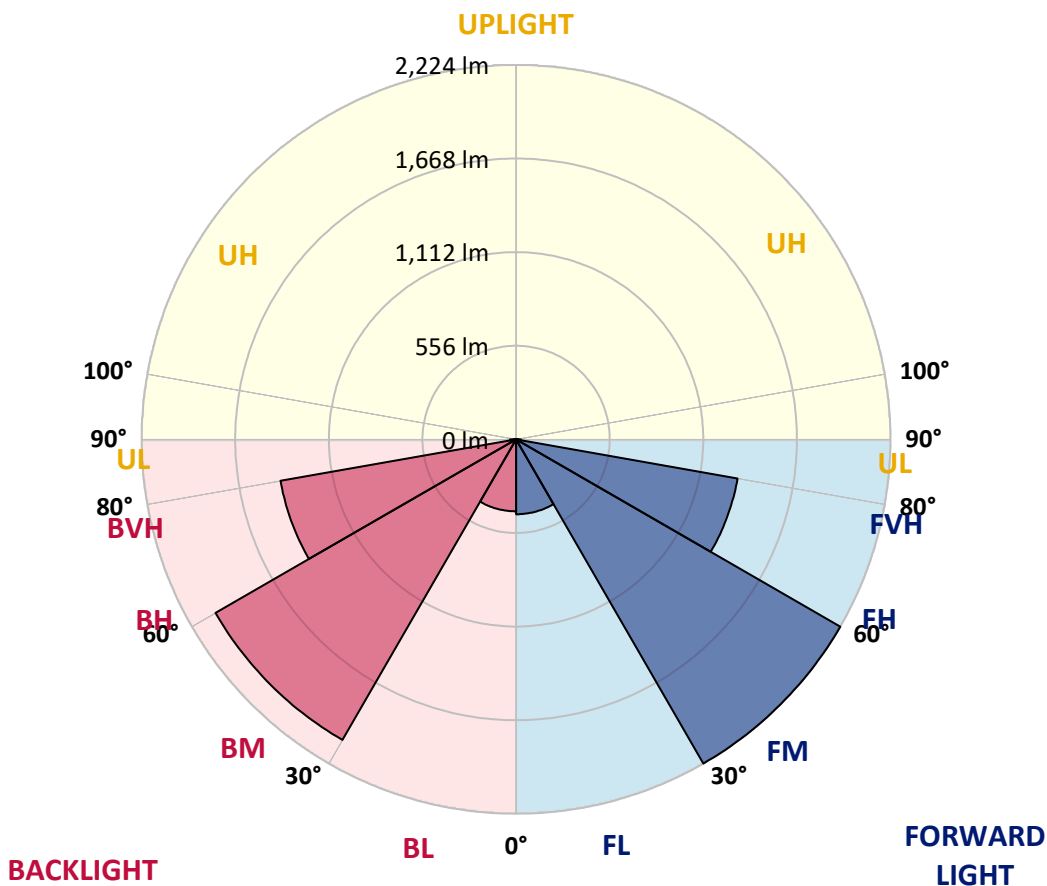
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.9	5.6			
FM (30°-60°)	2223.9	27.9			
FH (60°-80°)	1335.9	16.7			G1/1800
FVH (80°-90°)	28.9	0.4			G1/100
BL (0°-30°)	427.6	5.4	B1/500		
BM (30°-60°)	2061.9	25.8	B2/2500		
BH (60°-80°)	1420.7	17.8	B3/2500		G3/2500
BVH (80°-90°)	35.4	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°	807.9	807.9	807.9	807.9	807.9	807.9	807.9	807.9	807.9	807.9	807.9
2.5°	791.3	792.4	794.1	797.4	800.7	805.7	810.7	810.2	812.4	814.1	815.7
5°	786.8	787.9	790.7	795.2	800.2	808.5	819.1	823.5	826.8	833.0	838.5
7.5°	796.3	798.5	802.4	808.5	816.3	826.8	841.3	849.1	854.1	865.2	874.6
10°	809.1	811.8	819.6	831.3	843.0	859.1	877.4	889.1	892.4	906.9	924.6
12.5°	821.3	824.6	837.4	858.5	879.6	901.3	923.0	937.4	938.5	958.0	978.0
15°	840.7	843.5	860.7	888.0	920.2	950.2	976.9	986.9	991.3	1005.2	1030.2
17.5°	883.5	886.9	909.1	938.5	972.4	1004.1	1030.8	1039.1	1039.1	1050.8	1071.3
20°	929.6	933.0	962.4	1000.2	1041.3	1073.6	1094.1	1086.3	1083.6	1086.9	1101.3
22.5°	981.3	987.4	1015.8	1059.7	1110.2	1149.7	1160.2	1136.9	1129.1	1121.3	1124.7
25°	1047.4	1054.7	1082.5	1129.1	1178.6	1220.3	1226.4	1190.3	1185.8	1158.6	1148.6
27.5°	1123.6	1129.1	1163.6	1209.7	1255.8	1290.8	1297.5	1253.0	1238.0	1200.3	1176.9
30°	1221.9	1226.9	1256.9	1302.5	1342.5	1367.0	1375.3	1314.2	1302.5	1244.7	1208.6
32.5°	1329.2	1331.4	1362.0	1405.9	1441.4	1464.8	1453.1	1382.0	1364.7	1299.7	1250.3
35°	1452.0	1452.0	1491.4	1527.0	1555.3	1562.0	1539.8	1458.6	1438.6	1368.1	1306.4
37.5°	1572.6	1575.9	1612.6	1654.8	1679.8	1678.7	1638.1	1549.2	1526.4	1449.8	1381.4
40°	1703.1	1710.4	1747.0	1794.3	1818.2	1814.8	1752.6	1653.7	1630.3	1539.8	1473.1
42.5°	1823.2	1834.8	1877.6	1926.0	1952.1	1949.9	1884.8	1773.7	1750.9	1648.7	1582.0
45°	1918.7	1931.0	1984.3	2051.5	2093.2	2089.3	2023.8	1898.2	1870.4	1763.2	1689.8
47.5°	2002.6	2015.4	2074.9	2146.0	2212.1	2218.8	2158.8	2023.8	1994.3	1886.0	1803.2
50°	2067.1	2073.2	2139.9	2217.7	2294.4	2331.6	2279.4	2149.9	2114.3	2007.1	1913.7
52.5°	2062.1	2070.4	2152.7	2258.3	2361.1	2422.2	2386.1	2268.8	2234.4	2117.7	2026.5
55°	1960.4	1968.7	2066.5	2220.5	2398.3	2488.3	2484.4	2382.2	2357.2	2230.5	2143.8
57.5°	1812.0	1830.4	1927.6	2093.8	2349.4	2541.1	2556.7	2485.5	2459.4	2341.1	2259.9
60°	1546.4	1570.9	1683.1	1898.7	2192.7	2523.3	2633.9	2572.8	2556.7	2443.9	2364.9
62.5°	1123.6	1141.4	1290.8	1573.7	1960.4	2396.6	2698.9	2662.8	2650.6	2536.1	2460.0
65°	672.9	713.5	833.5	1113.0	1581.4	2157.7	2663.3	2780.6	2767.8	2631.1	2541.1
67.5°	340.6	359.0	406.2	603.5	1063.6	1785.4	2485.0	2853.9	2869.5	2712.2	2570.0
70°	211.2	216.2	229.5	297.8	531.2	1173.0	2032.1	2662.8	2738.9	2699.5	2495.0
72.5°	169.5	170.6	172.8	185.6	255.1	548.4	1284.7	2085.4	2222.7	2521.1	2387.7
75°	140.6	141.1	141.7	145.6	158.9	223.9	625.1	1433.1	1593.7	2142.7	2213.8
77.5°	112.8	110.0	112.2	113.9	117.2	125.0	215.6	764.6	927.4	1406.4	1712.0
80°	73.3	72.2	76.7	78.3	81.7	86.7	115.0	259.5	315.1	511.8	544.6
82.5°	39.5	37.2	46.7	45.0	46.7	50.6	67.8	95.0	106.7	154.5	130.6
85°	12.2	12.2	12.8	15.0	18.3	17.8	29.5	46.7	51.7	66.1	48.9
87.5°	2.2	2.2	2.2	2.2	2.2	2.8	6.1	9.4	12.8	22.8	17.2
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°	807.9	807.9	807.9	807.9	807.9	807.9	807.9	807.9	807.9	807.9	807.9
2.5°	819.1	814.1	816.8	818.5	818.0	816.8	811.3	810.2	807.4	802.9	801.8
5°	843.5	838.0	838.5	836.8	831.3	824.1	811.8	805.7	800.7	795.2	794.6
7.5°	881.9	875.7	874.1	866.3	850.7	834.1	814.6	803.5	795.2	787.9	786.8
10°	930.8	924.6	919.1	900.7	875.2	853.0	827.4	811.3	799.1	790.2	788.5
12.5°	985.2	980.2	966.3	939.6	909.1	883.0	856.8	836.8	819.1	805.7	804.1
15°	1045.8	1034.7	1013.5	979.1	950.2	929.1	897.4	870.2	841.8	824.1	820.2
17.5°	1088.0	1078.6	1053.6	1020.2	997.4	979.1	941.9	903.0	864.6	838.5	833.0
20°	1118.0	1108.0	1079.7	1055.2	1048.0	1032.4	989.1	944.1	899.6	867.4	860.2
22.5°	1139.7	1129.1	1100.2	1088.0	1098.0	1095.2	1053.0	1001.9	949.1	910.7	901.9
25°	1160.2	1150.2	1124.7	1129.1	1155.8	1164.1	1118.6	1059.1	999.1	954.1	943.5
27.5°	1179.7	1166.9	1155.2	1179.7	1217.5	1233.0	1184.7	1117.5	1052.4	1006.3	998.0
30°	1209.7	1194.7	1193.0	1228.6	1288.6	1301.9	1248.6	1181.4	1116.9	1070.2	1059.7
32.5°	1247.5	1233.6	1234.7	1288.1	1357.5	1368.6	1323.1	1260.3	1195.8	1149.1	1134.7
35°	1298.6	1281.4	1290.8	1356.4	1426.4	1447.0	1410.3	1358.1	1295.3	1247.5	1231.4
37.5°	1369.2	1344.2	1363.6	1432.5	1503.1	1533.7	1505.3	1466.4	1404.2	1355.8	1340.8
40°	1459.2	1438.6	1446.4	1522.5	1595.3	1632.0	1614.2	1575.9	1514.2	1463.6	1446.4
42.5°	1565.9	1545.3	1542.5	1623.7	1696.5	1752.0	1734.8	1699.8	1635.9	1578.1	1561.4
45°	1670.4	1651.5	1655.3	1738.1	1819.8	1880.4	1863.2	1822.1	1752.6	1685.9	1672.6
47.5°	1779.3	1763.7	1767.0	1854.8	1944.9	2005.4	1983.8	1933.7	1852.6	1781.5	1765.4
50°	1891.0	1873.2	1878.2	1970.4	2067.7	2124.9	2091.6	2017.6	1928.2	1858.7	1844.8
52.5°	2002.1	1981.0	1993.8	2081.0	2181.6	2227.1	2165.5	2076.0	1989.3	1920.4	1904.8
55°	2129.9	2107.7	2093.8	2187.1	2286.6	2305.5	2221.0	2116.6	2013.8	1935.4	1926.0
57.5°	2246.6	2227.7	2201.6	2294.9	2368.3	2354.4	2263.8	2105.4	1954.3	1853.7	1840.4
60°	2351.1	2334.9	2312.2	2391.6	2425.0	2393.8	2229.4	1973.8	1807.6	1702.6	1696.5
62.5°	2447.2	2430.0	2408.8	2476.6	2472.2	2400.0	2072.7	1771.5	1549.2	1436.4	1426.4
65°	2523.3	2507.8	2501.6	2555.0	2547.8	2280.5	1828.7	1440.3	1131.9	1004.7	1000.8
67.5°	2545.0	2538.9	2571.7	2662.2	2549.4	2040.4	1434.2	955.2	607.9	487.3	480.1
70°	2463.9	2463.3	2557.2	2686.7	2318.3	1558.7	846.3	430.6	305.6	271.2	266.7
72.5°	2358.3	2356.6	2431.1	2317.7	1719.3	853.0	356.2	230.6	191.2	181.7	181.7
75°	2184.9	2180.5	2236.6	1763.2	966.9	321.2	188.9	158.4	150.0	148.4	148.4
77.5°	1780.9	1743.7	1655.3	1089.7	337.3	157.8	125.0	124.5	119.5	118.9	118.9
80°	585.7	585.7	680.7	415.6	148.9	97.2	88.4	92.8	87.8	84.5	83.9
82.5°	95.6	131.7	187.3	118.9	80.6	60.6	54.5	57.8	60.6	48.3	48.3
85°	37.8	49.5	72.2	55.6	37.2	24.4	26.1	28.9	25.6	22.2	21.7
87.5°	14.4	17.8	25.6	13.3	7.8	4.4	2.8	2.8	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)