

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: P634068

Luminaire Tested: GWS-SA3B-722-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634068
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-SA3B-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
RECTANGULAR WIDE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7887.1 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

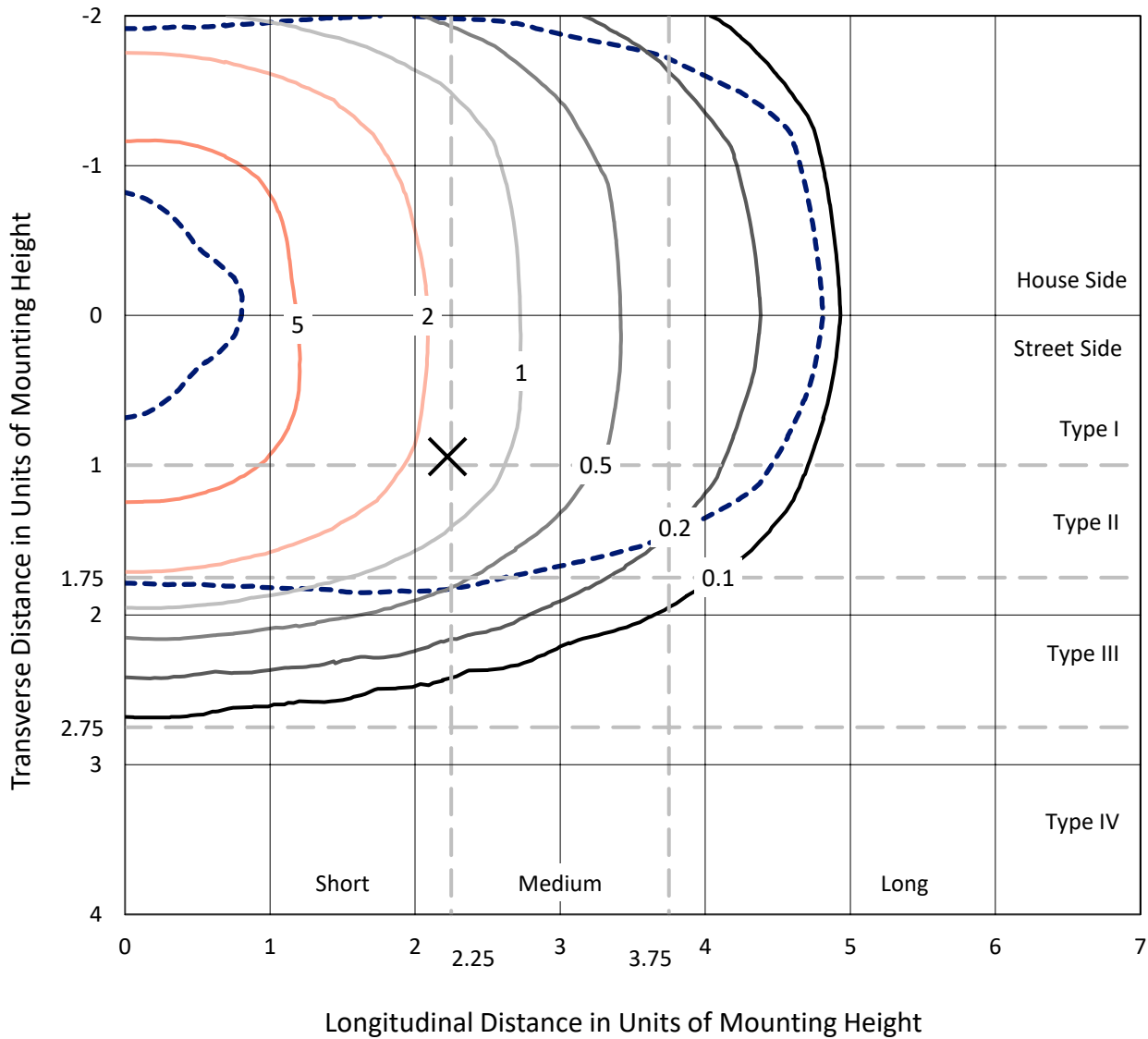
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

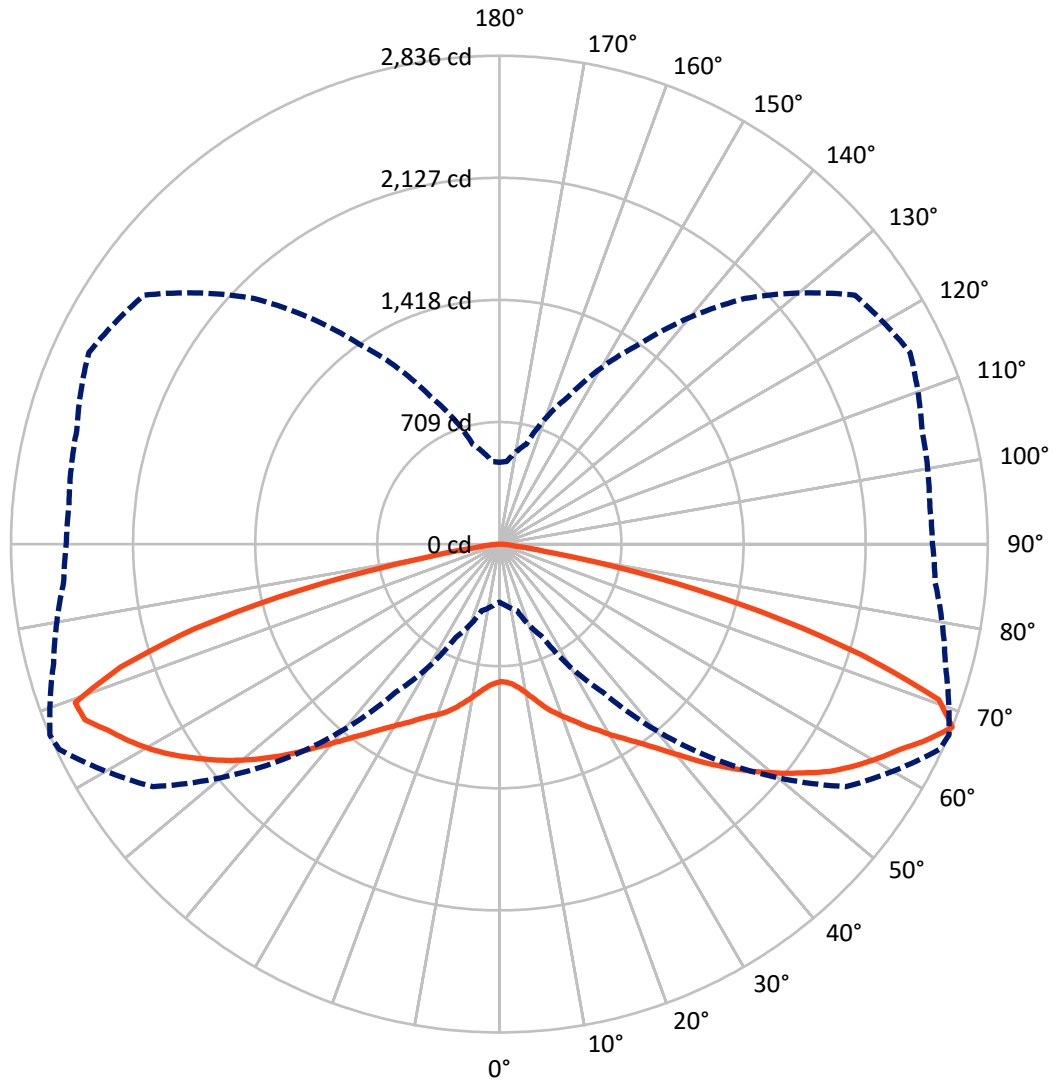
✕ Max cd
 - - - 1/2 Max cd



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	3900.0	0.0	3900.0
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	3987.1	0.0	3987.1
	% Fixture	50.6	0.0	50.6
Total	Lumens	7887.1	0.0	7887.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	1.0
10°-20°	264.7	3.4
20°-30°	519.4	6.6
30°-40°	884.8	11.2
40°-50°	1420.8	18.0
50°-60°	1930.6	24.5
60°-70°	1846.8	23.4
70°-80°	878.0	11.1
80°-90°	63.6	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°	7887.1	100.0
0°-180°	7887.1	100.0

Coefficient of Utilization



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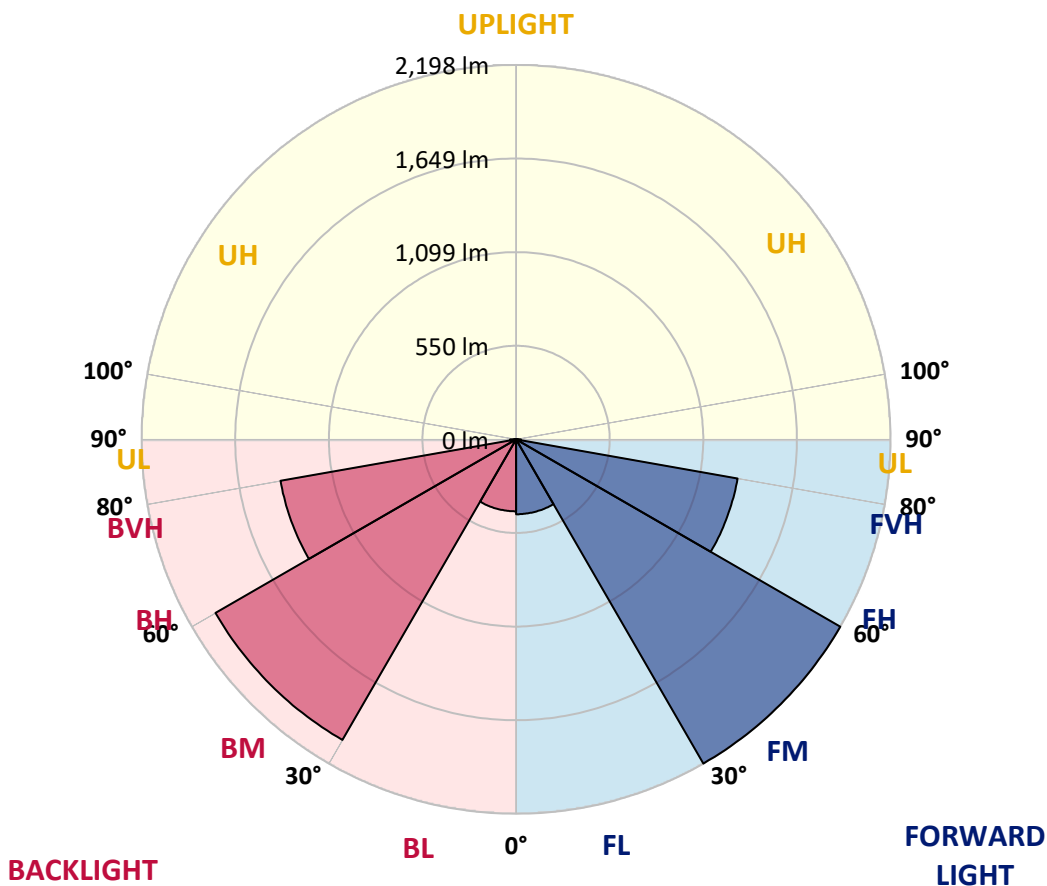
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.8	5.6			
FM (30°-60°)	2198.2	27.9			
FH (60°-80°)	1320.5	16.7			G1/1800
FVH (80°-90°)	28.6	0.4			G1/100
BL (0°-30°)	422.7	5.4	B1/500		
BM (30°-60°)	2038.1	25.8	B2/2500		
BH (60°-80°)	1404.3	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°	798.6	798.6	798.6	798.6	798.6	798.6	798.6	798.6	798.6	798.6	798.6
2.5°	782.1	783.2	784.9	788.2	791.5	796.4	801.4	800.8	803.0	804.7	806.3
5°	777.7	778.8	781.6	786.0	790.9	799.2	809.6	814.0	817.3	823.3	828.8
7.5°	787.1	789.3	793.1	799.2	806.9	817.3	831.6	839.3	844.2	855.2	864.5
10°	799.7	802.5	810.1	821.7	833.2	849.1	867.3	878.8	882.1	896.4	914.0
12.5°	811.8	815.1	827.7	848.6	869.5	890.9	912.3	926.6	927.7	946.9	966.7
15°	831.0	833.8	850.8	877.7	909.6	939.2	965.6	975.5	979.9	993.6	1018.3
17.5°	873.3	876.6	898.6	927.7	961.2	992.5	1018.9	1027.1	1027.1	1038.6	1059.0
20°	918.9	922.2	951.3	988.7	1029.3	1061.2	1081.5	1073.8	1071.0	1074.3	1088.6
22.5°	970.0	976.0	1004.0	1047.4	1097.4	1136.4	1146.8	1123.8	1116.1	1108.4	1111.7
25°	1035.3	1042.5	1069.9	1116.1	1165.0	1206.2	1212.2	1176.5	1172.1	1145.2	1135.3
27.5°	1110.6	1116.1	1150.1	1195.7	1241.3	1275.9	1282.5	1238.6	1223.7	1186.4	1163.3
30°	1207.8	1212.7	1242.4	1287.4	1327.0	1351.2	1359.4	1299.0	1287.4	1230.3	1194.6
32.5°	1313.8	1316.0	1346.2	1389.6	1424.8	1447.8	1436.3	1366.0	1349.0	1284.7	1235.8
35°	1435.2	1435.2	1474.2	1509.3	1537.4	1543.9	1522.0	1441.8	1422.0	1352.3	1291.3
37.5°	1554.4	1557.7	1593.9	1635.7	1660.4	1659.3	1619.2	1531.3	1508.8	1433.0	1365.4
40°	1683.5	1690.6	1726.8	1773.5	1797.2	1793.9	1732.3	1634.6	1611.5	1522.0	1456.1
42.5°	1802.1	1813.6	1855.9	1903.7	1929.5	1927.3	1863.1	1753.2	1730.7	1629.6	1563.7
45°	1896.6	1908.7	1961.4	2027.8	2069.0	2065.2	2000.4	1876.2	1848.8	1742.8	1670.3
47.5°	1979.5	1992.1	2050.9	2121.2	2186.6	2193.2	2133.8	2000.4	1971.3	1864.2	1782.3
50°	2043.2	2049.3	2115.2	2192.1	2267.9	2304.7	2253.0	2125.1	2089.9	1983.9	1891.6
52.5°	2038.3	2046.5	2127.8	2232.2	2333.8	2394.2	2358.5	2242.6	2208.5	2093.2	2003.1
55°	1937.8	1946.0	2042.7	2194.8	2370.6	2459.6	2455.7	2354.6	2329.9	2204.7	2119.0
57.5°	1791.1	1809.2	1905.4	2069.6	2322.2	2511.7	2527.1	2456.8	2431.0	2314.0	2233.8
60°	1528.6	1552.7	1663.7	1876.8	2167.3	2494.2	2603.5	2543.0	2527.1	2415.6	2337.6
62.5°	1110.6	1128.2	1275.9	1555.5	1937.8	2368.9	2667.7	2632.0	2619.9	2506.8	2431.5
65°	665.1	705.2	823.9	1100.2	1563.2	2132.7	2632.6	2748.5	2735.8	2600.7	2511.7
67.5°	336.7	354.8	401.5	596.5	1051.3	1764.7	2456.3	2821.0	2836.3	2680.9	2540.3
70°	208.7	213.7	226.8	294.4	525.1	1159.5	2008.6	2632.0	2707.3	2668.3	2466.1
72.5°	167.5	168.6	170.8	183.5	252.1	542.1	1269.9	2061.3	2197.0	2492.0	2360.1
75°	139.0	139.5	140.1	143.9	157.1	221.3	617.9	1416.5	1575.3	2117.9	2188.2
77.5°	111.5	108.8	110.9	112.6	115.9	123.6	213.1	755.8	916.7	1390.2	1692.2
80°	72.5	71.4	75.8	77.4	80.7	85.7	113.7	256.5	311.4	505.9	538.3
82.5°	39.0	36.8	46.1	44.5	46.1	50.0	67.0	93.9	105.5	152.7	129.1
85°	12.1	12.1	12.6	14.8	18.1	17.6	29.1	46.1	51.1	65.4	48.3
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°	798.6	798.6	798.6	798.6	798.6	798.6	798.6	798.6	798.6	798.6	798.6
2.5°	809.6	804.7	807.4	809.0	808.5	807.4	801.9	800.8	798.1	793.7	792.6
5°	833.8	828.3	828.8	827.2	821.7	814.5	802.5	796.4	791.5	786.0	785.4
7.5°	871.7	865.6	864.0	856.3	840.9	824.4	805.2	794.2	786.0	778.8	777.7
10°	920.0	914.0	908.5	890.3	865.1	843.1	817.8	801.9	789.8	781.0	779.4
12.5°	973.8	968.9	955.1	928.8	898.6	872.8	846.9	827.2	809.6	796.4	794.8
15°	1033.7	1022.7	1001.8	967.8	939.2	918.3	887.0	860.1	832.1	814.5	810.7
17.5°	1075.4	1066.1	1041.4	1008.4	985.9	967.8	931.0	892.5	854.6	828.8	823.3
20°	1105.1	1095.2	1067.2	1043.0	1035.9	1020.5	977.7	933.2	889.2	857.4	850.2
22.5°	1126.5	1116.1	1087.5	1075.4	1085.3	1082.6	1040.8	990.3	938.1	900.2	891.4
25°	1146.8	1137.0	1111.7	1116.1	1142.4	1150.7	1105.6	1046.9	987.6	943.1	932.6
27.5°	1166.1	1153.4	1141.9	1166.1	1203.4	1218.8	1171.0	1104.5	1040.3	994.7	986.5
30°	1195.7	1180.9	1179.2	1214.4	1273.7	1286.9	1234.2	1167.7	1104.0	1057.9	1047.4
32.5°	1233.1	1219.3	1220.4	1273.2	1341.8	1352.8	1307.8	1245.7	1182.0	1135.9	1121.6
35°	1283.6	1266.6	1275.9	1340.7	1409.9	1430.3	1394.0	1342.4	1280.3	1233.1	1217.1
37.5°	1353.4	1328.6	1347.9	1416.0	1485.7	1515.9	1487.9	1449.5	1388.0	1340.2	1325.3
40°	1442.3	1422.0	1429.7	1505.0	1576.9	1613.2	1595.6	1557.7	1496.7	1446.7	1429.7
42.5°	1547.8	1527.5	1524.7	1604.9	1676.9	1731.8	1714.8	1680.2	1617.0	1559.9	1543.4
45°	1651.1	1632.4	1636.2	1718.1	1798.8	1858.7	1841.6	1801.0	1732.3	1666.4	1653.2
47.5°	1758.7	1743.3	1746.6	1833.4	1922.4	1982.3	1960.8	1911.4	1831.2	1760.9	1745.0
50°	1869.1	1851.5	1856.5	1947.6	2043.8	2100.3	2067.4	1994.3	1905.9	1837.2	1823.5
52.5°	1979.0	1958.1	1970.7	2056.9	2156.4	2201.4	2140.4	2052.0	1966.3	1898.2	1882.8
55°	2105.3	2083.3	2069.6	2161.9	2260.2	2278.8	2195.4	2092.1	1990.5	1913.0	1903.7
57.5°	2220.6	2202.0	2176.1	2268.4	2340.9	2327.2	2237.7	2081.1	1931.7	1832.3	1819.1
60°	2323.9	2308.0	2285.4	2364.0	2396.9	2366.2	2203.6	1950.9	1786.7	1682.9	1676.9
62.5°	2418.9	2401.9	2381.0	2448.0	2443.6	2372.2	2048.7	1751.0	1531.3	1419.8	1409.9
65°	2494.2	2478.8	2472.7	2525.5	2518.3	2254.1	1807.6	1423.7	1118.8	993.0	989.2
67.5°	2515.6	2509.5	2541.9	2631.5	2520.0	2016.9	1417.6	944.2	600.9	481.7	474.6
70°	2435.4	2434.8	2527.7	2655.6	2291.5	1540.7	836.5	425.7	302.1	268.0	263.6
72.5°	2331.0	2329.4	2403.0	2290.9	1699.4	843.1	352.1	227.9	188.9	179.6	179.6
75°	2159.7	2155.3	2210.7	1742.8	955.7	317.5	186.7	156.5	148.3	146.7	146.7
77.5°	1760.4	1723.6	1636.2	1077.1	333.4	156.0	123.6	123.0	118.1	117.5	117.5
80°	578.9	578.9	672.8	410.8	147.2	96.1	87.3	91.7	86.8	83.5	82.9
82.5°	94.5	130.2	185.1	117.5	79.6	59.9	53.8	57.1	59.9	47.8	47.8
85°	37.3	48.9	71.4	54.9	36.8	24.2	25.8	28.6	25.3	22.0	21.4
87.5°	14.3	17.6	25.3	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)