

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: P631923

Luminaire Tested: GWS-SA2B-760-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631923
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-SA2B-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7167.5 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

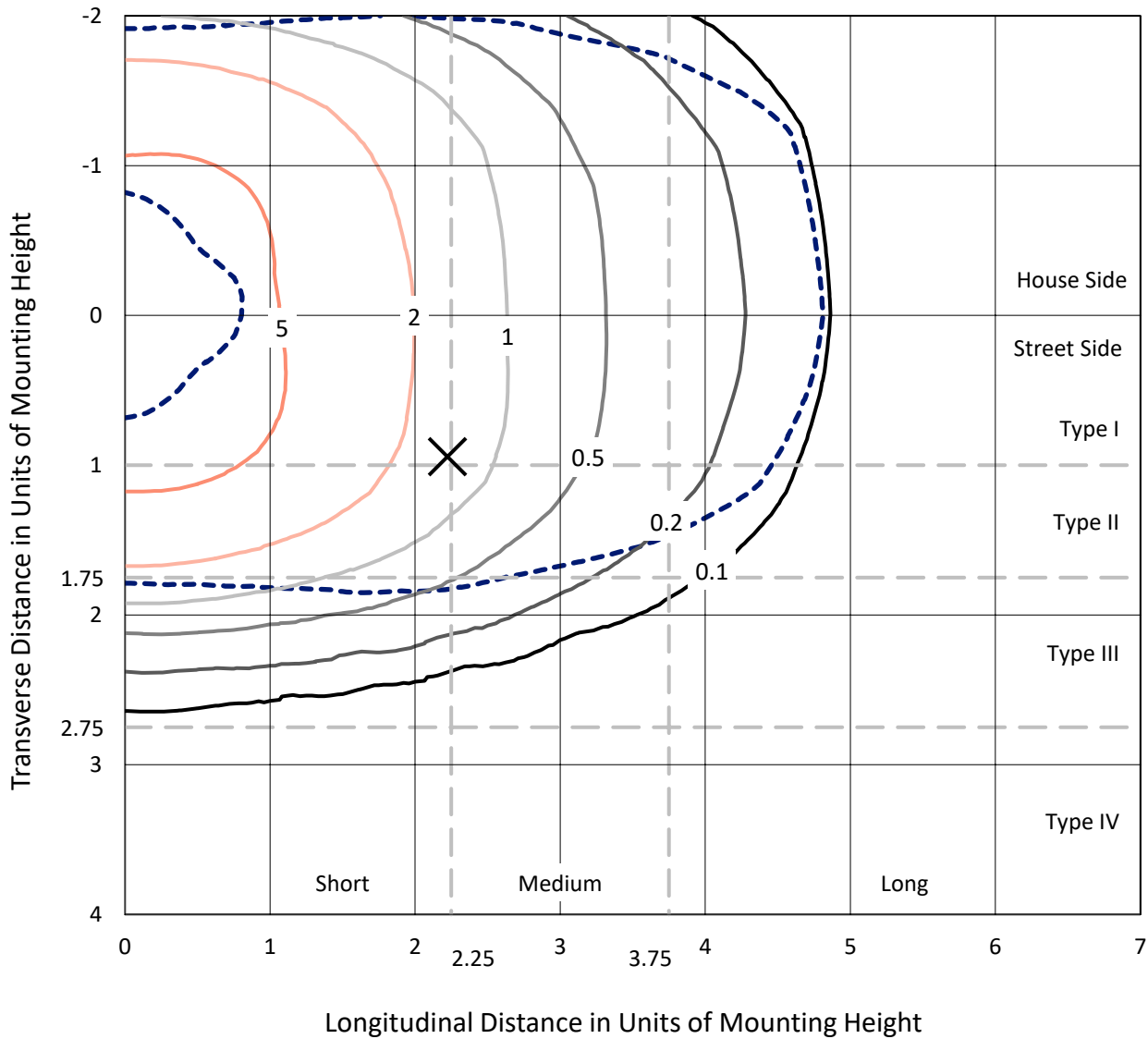
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

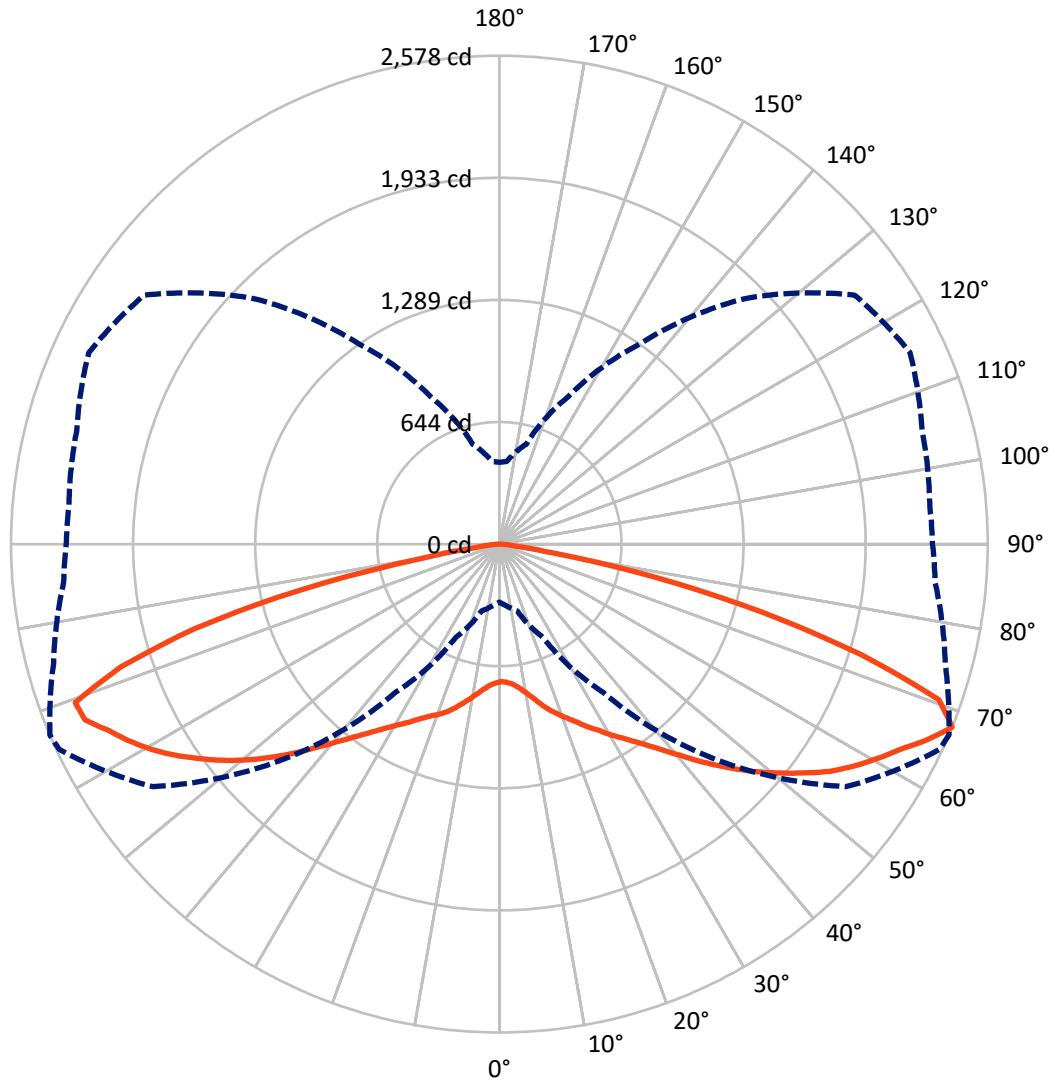
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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	3544.2	0.0	3544.2
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	3623.3	0.0	3623.3
	% Fixture	50.6	0.0	50.6
Total	Lumens	7167.5	0.0	7167.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.0
10°-20°	240.6	3.4
20°-30°	472.0	6.6
30°-40°	804.1	11.2
40°-50°	1291.2	18.0
50°-60°	1754.5	24.5
60°-70°	1678.3	23.4
70°-80°	797.9	11.1
80°-90°	57.8	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°	7167.5	100.0
0°-180°	7167.5	100.0

Coefficient of Utilization



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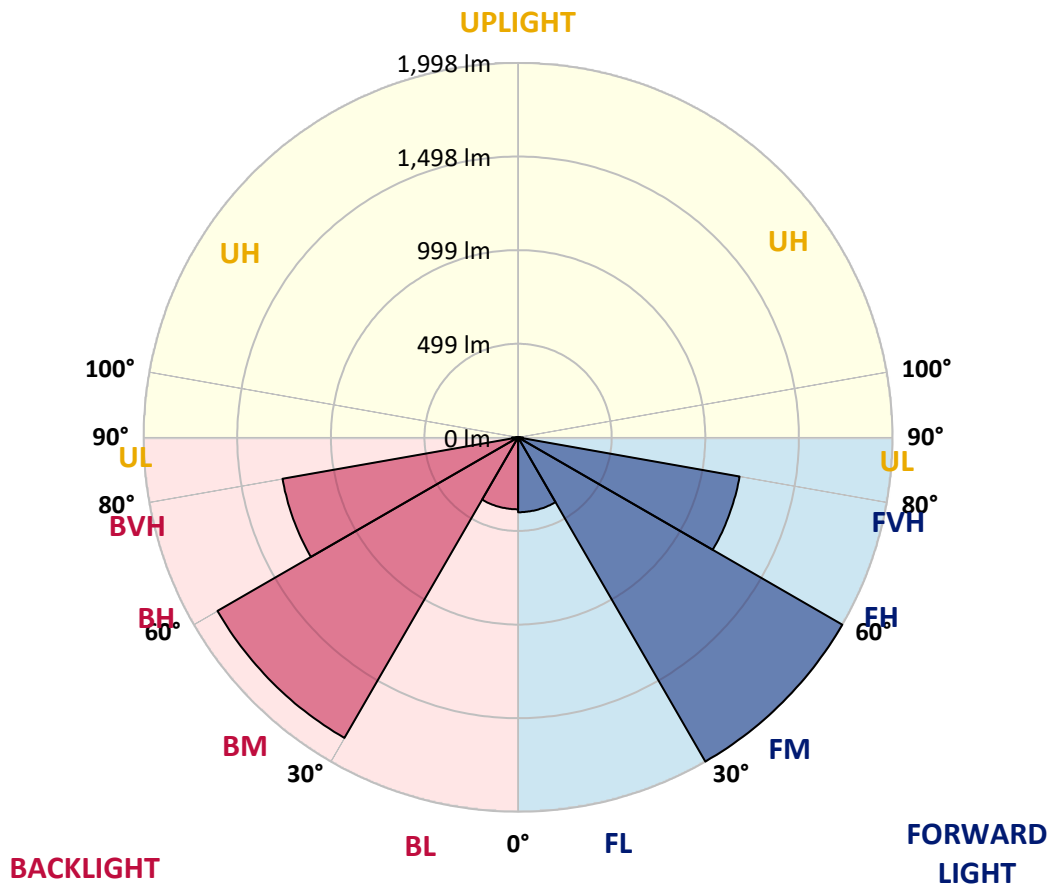
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.6	5.6			
FM (30°-60°)	1997.7	27.9			
FH (60°-80°)	1200.0	16.7			G1/1800
FVH (80°-90°)	26.0	0.4			G1/100
BL (0°-30°)	384.1	5.4	B1/500		
BM (30°-60°)	1852.1	25.8	B2/2500		
BH (60°-80°)	1276.2	17.8	B3/2500		G3/2500
BVH (80°-90°)	31.8	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°	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7
2.5°	710.8	711.8	713.3	716.3	719.3	723.8	728.2	727.7	729.7	731.2	732.7
5°	706.8	707.8	710.3	714.3	718.8	726.2	735.7	739.7	742.7	748.2	753.2
7.5°	715.3	717.3	720.8	726.2	733.2	742.7	755.7	762.7	767.2	777.2	785.6
10°	726.7	729.2	736.2	746.7	757.2	771.7	788.1	798.6	801.6	814.6	830.6
12.5°	737.7	740.7	752.2	771.2	790.1	809.6	829.1	842.0	843.0	860.5	878.5
15°	755.2	757.7	773.2	797.6	826.6	853.5	877.5	886.5	890.5	902.9	925.4
17.5°	793.6	796.6	816.6	843.0	873.5	901.9	925.9	933.4	933.4	943.9	962.3
20°	835.1	838.1	864.5	898.5	935.4	964.3	982.8	975.8	973.3	976.3	989.3
22.5°	881.5	887.0	912.4	951.9	997.3	1032.7	1042.2	1021.2	1014.3	1007.3	1010.3
25°	940.9	947.4	972.3	1014.3	1058.7	1096.1	1101.6	1069.2	1065.2	1040.7	1031.7
27.5°	1009.3	1014.3	1045.2	1086.6	1128.1	1159.5	1165.5	1125.6	1112.1	1078.1	1057.2
30°	1097.6	1102.1	1129.1	1170.0	1205.9	1227.9	1235.4	1180.5	1170.0	1118.1	1085.6
32.5°	1193.9	1195.9	1223.4	1262.8	1294.8	1315.7	1305.3	1241.4	1225.9	1167.5	1123.1
35°	1304.3	1304.3	1339.7	1371.6	1397.1	1403.1	1383.1	1310.2	1292.3	1228.9	1173.5
37.5°	1412.6	1415.6	1448.5	1486.4	1508.9	1507.9	1471.5	1391.6	1371.1	1302.3	1240.9
40°	1529.9	1536.4	1569.3	1611.7	1633.2	1630.2	1574.3	1485.4	1464.5	1383.1	1323.2
42.5°	1637.7	1648.2	1686.6	1730.0	1753.5	1751.5	1693.1	1593.3	1572.8	1480.9	1421.1
45°	1723.5	1734.5	1782.4	1842.8	1880.3	1876.8	1817.9	1705.1	1680.1	1583.8	1517.9
47.5°	1798.9	1810.4	1863.8	1927.7	1987.1	1993.1	1939.2	1817.9	1791.4	1694.1	1619.7
50°	1856.8	1862.3	1922.2	1992.1	2060.9	2094.4	2047.5	1931.2	1899.2	1802.9	1719.0
52.5°	1852.3	1859.8	1933.7	2028.5	2120.8	2175.8	2143.3	2038.0	2007.0	1902.2	1820.4
55°	1761.0	1768.5	1856.3	1994.6	2154.3	2235.1	2231.7	2139.8	2117.4	2003.5	1925.7
57.5°	1627.7	1644.2	1731.5	1880.8	2110.4	2282.6	2296.5	2232.7	2209.2	2102.9	2030.0
60°	1389.1	1411.1	1511.9	1705.6	1969.6	2266.6	2365.9	2311.0	2296.5	2195.2	2124.3
62.5°	1009.3	1025.2	1159.5	1413.6	1761.0	2152.8	2424.3	2391.9	2380.9	2278.1	2209.7
65°	604.5	640.9	748.7	999.8	1420.6	1938.2	2392.4	2497.7	2486.2	2363.4	2282.6
67.5°	306.0	322.4	364.9	542.1	955.4	1603.7	2232.2	2563.6	2577.6	2436.3	2308.5
70°	189.7	194.2	206.1	267.5	477.2	1053.7	1825.4	2391.9	2460.3	2424.8	2241.1
72.5°	152.2	153.2	155.2	166.7	229.1	492.7	1154.0	1873.3	1996.6	2264.6	2144.8
75°	126.3	126.8	127.3	130.8	142.8	201.2	561.5	1287.3	1431.5	1924.7	1988.6
77.5°	101.3	98.8	100.8	102.3	105.3	112.3	193.7	686.8	833.1	1263.3	1537.8
80°	65.9	64.9	68.9	70.4	73.4	77.9	103.3	233.1	283.0	459.7	489.2
82.5°	35.4	33.4	41.9	40.4	41.9	45.4	60.9	85.4	95.8	138.8	117.3
85°	11.0	11.0	11.5	13.5	16.5	16.0	26.5	41.9	46.4	59.4	43.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.5	5.5	8.5	11.5	20.5	15.5
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°	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7
2.5°	735.7	731.2	733.7	735.2	734.7	733.7	728.7	727.7	725.3	721.3	720.3
5°	757.7	752.7	753.2	751.7	746.7	740.2	729.2	723.8	719.3	714.3	713.8
7.5°	792.1	786.6	785.1	778.2	764.2	749.2	731.7	721.8	714.3	707.8	706.8
10°	836.1	830.6	825.6	809.1	786.1	766.2	743.2	728.7	717.8	709.8	708.3
12.5°	885.0	880.5	868.0	844.0	816.6	793.1	769.7	751.7	735.7	723.8	722.3
15°	939.4	929.4	910.4	879.5	853.5	834.6	806.1	781.7	756.2	740.2	736.7
17.5°	977.3	968.8	946.4	916.4	896.0	879.5	846.0	811.1	776.7	753.2	748.2
20°	1004.3	995.3	969.8	947.9	941.4	927.4	888.5	848.0	808.1	779.2	772.7
22.5°	1023.7	1014.3	988.3	977.3	986.3	983.8	945.9	899.9	852.5	818.1	810.1
25°	1042.2	1033.2	1010.3	1014.3	1038.2	1045.7	1004.8	951.4	897.5	857.0	847.5
27.5°	1059.7	1048.2	1037.7	1059.7	1093.6	1107.6	1064.2	1003.8	945.4	903.9	896.5
30°	1086.6	1073.2	1071.7	1103.6	1157.5	1169.5	1121.6	1061.2	1003.3	961.3	951.9
32.5°	1120.6	1108.1	1109.1	1157.0	1219.4	1229.4	1188.5	1132.0	1074.1	1032.2	1019.2
35°	1166.5	1151.0	1159.5	1218.4	1281.3	1299.8	1266.8	1219.9	1163.5	1120.6	1106.1
37.5°	1229.9	1207.4	1224.9	1286.8	1350.2	1377.6	1352.2	1317.2	1261.3	1217.9	1204.4
40°	1310.7	1292.3	1299.3	1367.6	1433.0	1466.0	1450.0	1415.6	1360.2	1314.7	1299.3
42.5°	1406.6	1388.1	1385.6	1458.5	1523.9	1573.8	1558.3	1526.9	1469.5	1417.6	1402.6
45°	1500.4	1483.4	1486.9	1561.3	1634.7	1689.1	1673.6	1636.7	1574.3	1514.4	1502.4
47.5°	1598.2	1584.3	1587.3	1666.1	1747.0	1801.4	1781.9	1737.0	1664.1	1600.2	1585.8
50°	1698.6	1682.6	1687.1	1769.9	1857.3	1908.7	1878.8	1812.4	1732.0	1669.6	1657.1
52.5°	1798.4	1779.4	1790.9	1869.3	1959.6	2000.6	1945.1	1864.8	1786.9	1725.0	1711.1
55°	1913.2	1893.2	1880.8	1964.6	2054.0	2070.9	1995.1	1901.2	1808.9	1738.5	1730.0
57.5°	2018.0	2001.1	1977.6	2061.4	2127.3	2114.9	2033.5	1891.2	1755.5	1665.1	1653.2
60°	2111.9	2097.4	2076.9	2148.3	2178.2	2150.3	2002.5	1772.9	1623.7	1529.4	1523.9
62.5°	2198.2	2182.7	2163.8	2224.7	2220.7	2155.8	1861.8	1591.3	1391.6	1290.3	1281.3
65°	2266.6	2252.6	2247.1	2295.0	2288.6	2048.5	1642.7	1293.8	1016.7	902.4	899.0
67.5°	2286.1	2280.6	2310.0	2391.4	2290.1	1832.8	1288.3	858.0	546.1	437.7	431.3
70°	2213.2	2212.7	2297.0	2413.3	2082.4	1400.1	760.2	386.8	274.5	243.6	239.6
72.5°	2118.3	2116.9	2183.7	2081.9	1544.3	766.2	319.9	207.1	171.7	163.2	163.2
75°	1962.6	1958.6	2009.0	1583.8	868.5	288.5	169.7	142.3	134.8	133.3	133.3
77.5°	1599.7	1566.3	1486.9	978.8	303.0	141.8	112.3	111.8	107.3	106.8	106.8
80°	526.1	526.1	611.4	373.4	133.8	87.3	79.4	83.4	78.9	75.9	75.4
82.5°	85.9	118.3	168.2	106.8	72.4	54.4	48.9	51.9	54.4	43.4	43.4
85°	33.9	44.4	64.9	49.9	33.4	22.0	23.5	26.0	23.0	20.0	19.5
87.5°	13.0	16.0	23.0	12.0	7.0	4.0	2.5	2.5	2.0	2.0	2.0
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)