

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: P631097

Luminaire Tested: GWS-SA1F-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631097
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5470.6 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

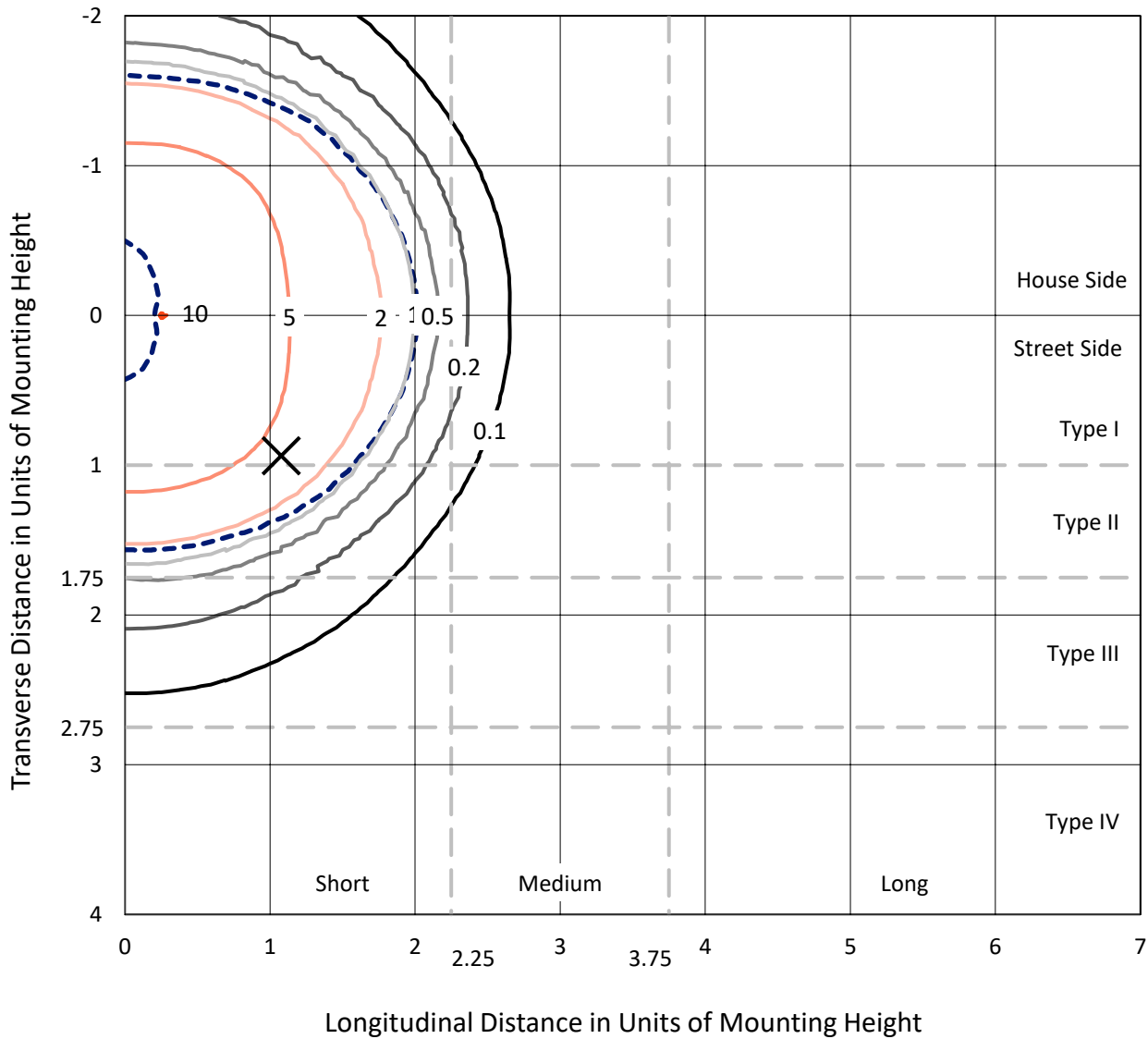
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

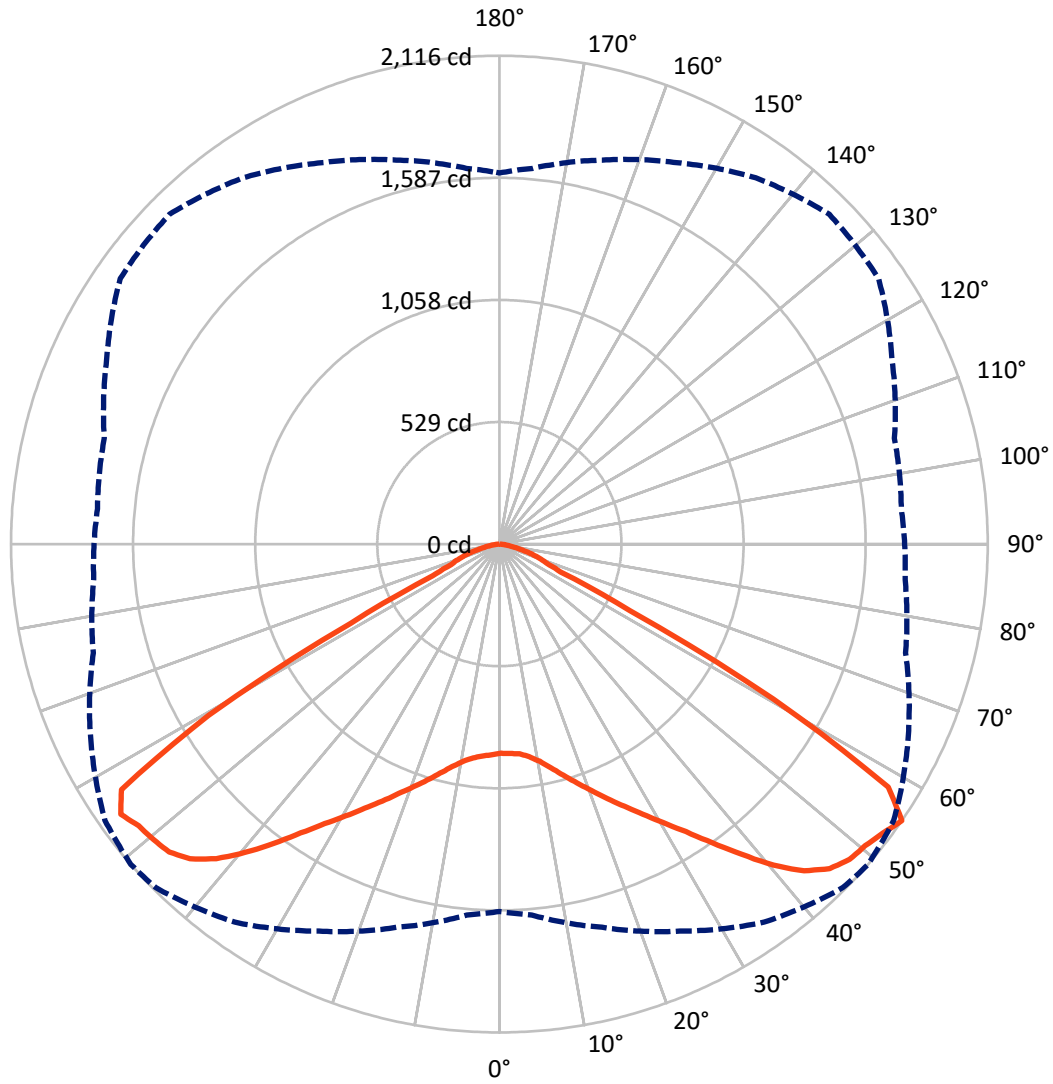
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2708.5	0.0	2708.5
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2762.1	0.0	2762.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	5470.6	0.0	5470.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	1.6
10°-20°	291.6	5.3
20°-30°	555.4	10.2
30°-40°	941.5	17.2
40°-50°	1416.9	25.9
50°-60°	1551.0	28.4
60°-70°	490.4	9.0
70°-80°	117.7	2.2
80°-90°	17.7	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°	5470.6	100.0
0°-180°	5470.6	100.0

Coefficient of Utilization



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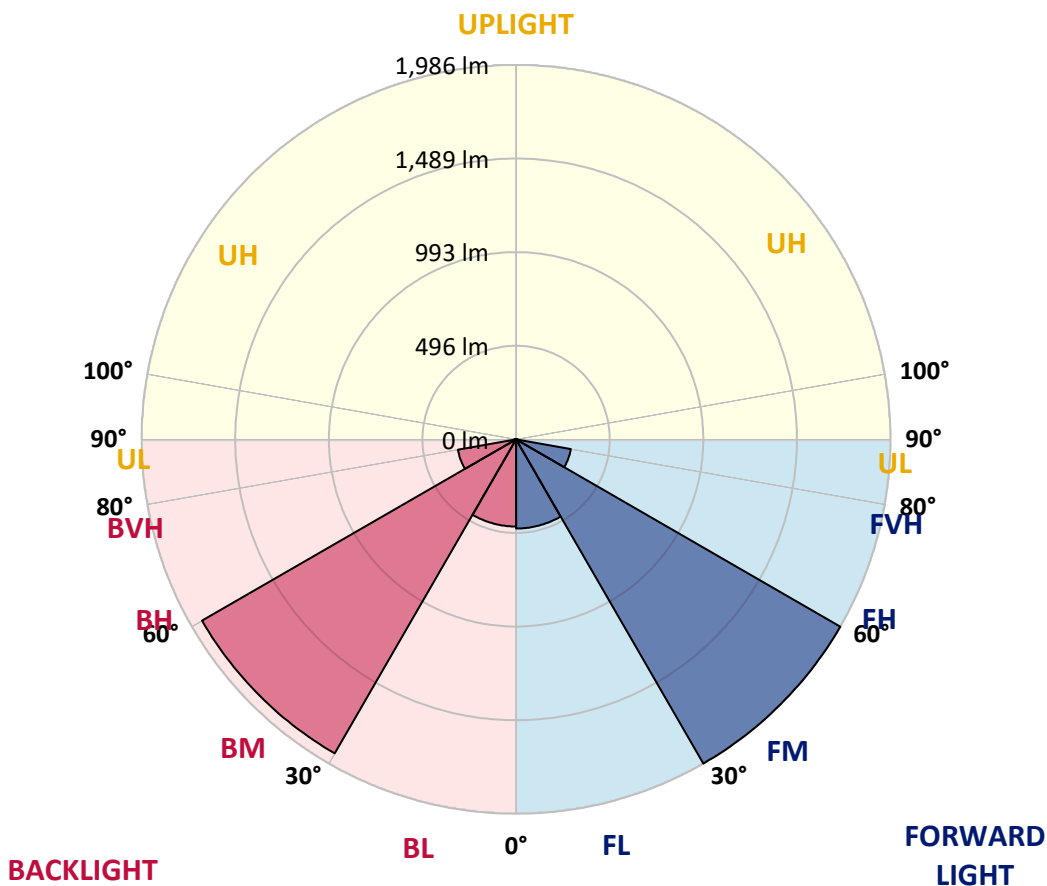
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.0	8.6			
FM (30°-60°)	1986.0	36.3			
FH (60°-80°)	295.0	5.4			G0/660
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	462.4	8.5	B1/500		
BM (30°-60°)	1923.4	35.2	B2/2500		
BH (60°-80°)	313.1	5.7	B1/500		G0/660
BVH (80°-90°)	9.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2
2.5°	892.9	893.8	895.6	898.7	901.8	906.2	908.0	910.2	909.8	912.5	912.5
5°	888.4	889.8	892.4	896.9	902.2	910.7	912.9	918.3	923.6	930.3	932.5
7.5°	893.8	895.6	898.7	905.8	913.8	924.9	929.4	938.3	948.5	960.5	965.4
10°	904.0	906.2	911.6	923.1	936.0	953.0	957.0	968.1	984.5	1001.0	1010.8
12.5°	915.6	919.1	928.9	947.2	966.3	988.5	994.8	1008.6	1026.4	1047.7	1061.1
15°	928.9	932.0	947.2	973.0	1002.8	1032.1	1039.3	1052.6	1072.6	1093.5	1112.2
17.5°	957.0	962.3	980.1	1009.9	1044.6	1079.3	1087.3	1102.4	1118.4	1134.9	1152.7
20°	995.2	999.7	1022.4	1059.3	1100.2	1131.8	1139.8	1153.2	1160.7	1169.2	1184.3
22.5°	1033.5	1039.7	1065.5	1109.1	1157.2	1191.4	1197.6	1210.1	1204.8	1202.1	1211.9
25°	1081.1	1089.5	1114.9	1162.5	1211.4	1253.7	1258.6	1269.3	1260.4	1246.6	1246.1
27.5°	1140.2	1147.8	1174.1	1223.0	1271.5	1315.5	1324.9	1339.1	1319.5	1302.6	1290.6
30°	1210.5	1215.4	1244.4	1296.4	1346.2	1388.1	1400.1	1414.3	1399.6	1371.6	1359.6
32.5°	1292.4	1299.1	1332.4	1387.2	1431.7	1473.5	1485.5	1503.3	1487.3	1455.7	1440.5
35°	1390.7	1397.4	1432.5	1492.2	1537.5	1580.7	1589.1	1603.8	1583.8	1547.3	1535.3
37.5°	1497.5	1505.9	1550.4	1606.9	1654.5	1704.8	1705.3	1709.7	1681.2	1635.9	1622.5
40°	1617.6	1628.7	1673.2	1732.0	1789.3	1830.3	1829.8	1817.4	1769.3	1699.0	1678.6
42.5°	1736.4	1745.3	1790.2	1850.7	1908.1	1946.8	1935.3	1905.0	1835.6	1740.0	1712.8
45°	1822.3	1828.9	1876.1	1944.2	2002.4	2026.5	2005.6	1969.1	1875.2	1765.8	1725.7
47.5°	1862.7	1871.6	1919.2	1986.9	2052.7	2066.5	2041.6	2007.3	1898.3	1789.8	1736.0
50°	1840.9	1852.5	1906.3	1969.1	2043.4	2071.8	2054.1	2019.8	1922.8	1813.4	1754.2
52.5°	1784.4	1795.6	1863.6	1939.7	2023.8	2080.3	2079.9	2051.8	1950.8	1820.0	1755.1
55°	1591.4	1613.2	1719.0	1850.3	1999.8	2105.2	2115.9	2086.1	1955.3	1821.8	1764.4
57.5°	1035.7	1074.0	1174.5	1345.3	1645.2	1914.8	1986.9	1994.0	1923.3	1814.3	1766.2
60°	432.4	463.1	542.8	656.2	904.0	1224.8	1364.5	1504.6	1673.7	1735.1	1749.7
62.5°	268.7	271.4	279.4	305.2	387.9	544.5	634.4	765.7	1017.0	1231.0	1329.8
65°	242.5	243.8	245.6	243.8	247.8	266.9	291.0	336.8	439.1	545.4	671.8
67.5°	213.5	215.3	216.7	215.3	216.7	217.6	220.2	224.2	242.9	258.0	269.6
70°	172.6	175.3	177.5	176.6	182.0	182.0	184.6	187.7	197.1	208.2	216.2
72.5°	131.7	129.5	132.1	133.0	137.9	140.6	144.6	148.1	158.8	165.5	175.7
75°	85.4	83.2	87.2	89.4	96.1	99.7	103.2	106.8	114.3	118.8	128.6
77.5°	46.3	45.8	49.8	52.9	60.1	64.5	67.2	69.8	76.1	77.4	83.6
80°	26.7	26.7	29.4	31.6	36.0	40.9	43.6	45.8	50.3	51.6	54.3
82.5°	14.7	14.7	16.0	17.4	20.9	23.6	25.8	27.6	31.6	32.9	34.3
85°	7.1	6.7	7.6	8.5	9.8	11.1	12.5	13.3	16.5	17.4	19.1
87.5°	0.9	0.9	0.9	1.3	1.8	2.7	3.1	3.1	4.9	5.8	6.7
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°	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2	906.2
2.5°	915.1	909.4	912.9	914.2	914.2	912.9	907.1	905.3	902.7	898.7	898.7
5°	935.6	931.2	932.0	929.8	924.5	917.8	907.1	901.8	897.3	892.4	892.0
7.5°	970.7	965.0	964.1	955.6	941.4	927.1	911.1	901.3	894.7	888.4	888.0
10°	1016.6	1011.2	1004.6	987.7	966.7	945.8	924.0	910.7	900.9	892.0	891.6
12.5°	1067.7	1061.5	1049.0	1024.1	997.9	977.4	952.5	932.0	917.4	905.3	903.1
15°	1123.3	1114.4	1093.1	1063.7	1037.9	1016.1	989.4	960.1	937.8	918.7	916.5
17.5°	1166.1	1154.5	1131.4	1103.8	1082.4	1060.6	1025.9	989.0	957.0	932.9	929.4
20°	1195.4	1186.1	1159.8	1139.4	1126.9	1107.8	1067.3	1025.5	989.4	959.2	957.4
22.5°	1222.6	1211.4	1185.6	1173.6	1173.6	1160.7	1122.0	1072.6	1030.4	995.2	990.8
25°	1253.3	1241.2	1221.7	1220.3	1226.6	1220.8	1174.1	1121.1	1071.7	1032.1	1025.0
27.5°	1296.0	1282.6	1271.0	1279.1	1288.0	1281.7	1229.7	1168.3	1116.2	1076.2	1070.0
30°	1364.0	1347.6	1336.9	1346.7	1364.0	1345.8	1289.3	1224.3	1171.8	1127.8	1124.7
32.5°	1443.2	1424.5	1413.4	1429.0	1444.6	1416.1	1360.0	1297.7	1242.6	1196.3	1191.0
35°	1538.4	1514.8	1498.4	1519.3	1535.3	1507.3	1451.7	1392.5	1331.1	1283.1	1275.9
37.5°	1623.0	1594.5	1583.4	1612.7	1634.1	1615.8	1555.3	1499.7	1432.5	1380.0	1376.9
40°	1684.3	1656.3	1648.3	1696.8	1734.2	1729.7	1675.5	1611.8	1548.7	1488.2	1482.4
42.5°	1711.0	1691.5	1693.2	1758.6	1816.5	1845.0	1796.5	1728.4	1667.4	1604.7	1600.7
45°	1716.8	1704.8	1719.0	1800.9	1877.0	1935.3	1893.9	1836.9	1768.0	1707.5	1705.7
47.5°	1723.1	1716.4	1738.2	1824.9	1915.2	1982.9	1959.7	1901.0	1831.2	1772.0	1767.5
50°	1737.7	1735.1	1759.5	1841.8	1933.5	1995.8	1969.5	1911.2	1839.6	1781.3	1770.7
52.5°	1742.2	1737.7	1772.9	1868.1	1963.7	1995.3	1938.8	1862.7	1790.7	1725.7	1714.6
55°	1756.0	1748.0	1772.0	1877.9	2005.6	2021.1	1937.0	1823.2	1722.6	1634.1	1607.8
57.5°	1759.5	1750.6	1766.2	1861.9	1960.2	1946.4	1702.6	1471.2	1281.7	1183.4	1194.5
60°	1740.4	1743.1	1716.4	1705.7	1572.2	1388.1	1042.4	833.3	654.4	578.8	595.3
62.5°	1324.9	1336.0	1244.8	1082.4	832.4	659.8	436.4	339.0	287.0	273.6	275.8
65°	668.7	683.8	589.0	487.2	362.1	292.7	253.1	245.1	242.5	239.4	239.4
67.5°	264.7	269.2	265.6	248.7	231.3	225.1	223.3	222.4	219.3	217.6	218.0
70°	212.7	216.2	210.9	200.2	193.1	192.6	191.7	190.0	187.7	187.7	189.1
72.5°	173.5	177.1	169.5	162.8	157.5	153.5	151.3	149.9	146.8	146.8	148.1
75°	127.7	129.9	123.7	122.8	117.0	113.0	109.4	107.7	103.7	101.9	103.2
77.5°	85.0	84.5	81.4	81.4	79.2	74.3	70.3	66.3	60.9	57.4	58.3
80°	55.2	55.2	53.8	53.8	51.6	47.6	42.7	38.7	35.6	32.9	32.9
82.5°	35.1	34.7	34.3	33.8	32.9	28.9	25.4	22.7	20.5	18.7	19.1
85°	19.6	19.6	18.7	18.7	16.9	14.7	12.9	11.1	9.8	9.3	9.3
87.5°	6.7	6.7	6.2	6.2	5.3	4.0	3.1	2.7	2.2	1.8	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)