

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: P630382

Luminaire Tested: GWS-SA1D-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630382
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-SA1D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5467.9 lumens
Efficiency: N/A
Efficacy: 123.4 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

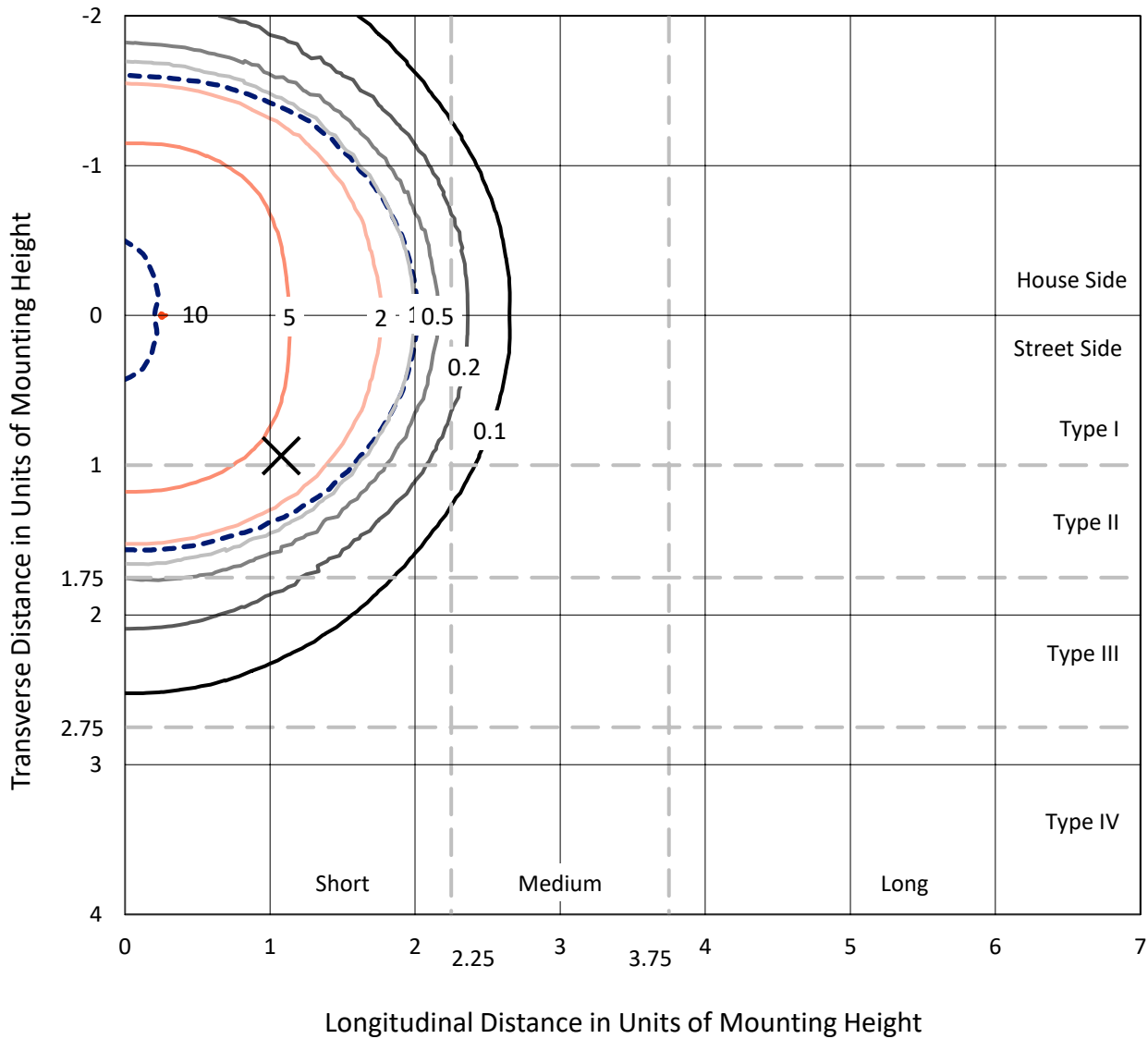
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630382
 CATALOG NUMBER: GWS-SA1D-750-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

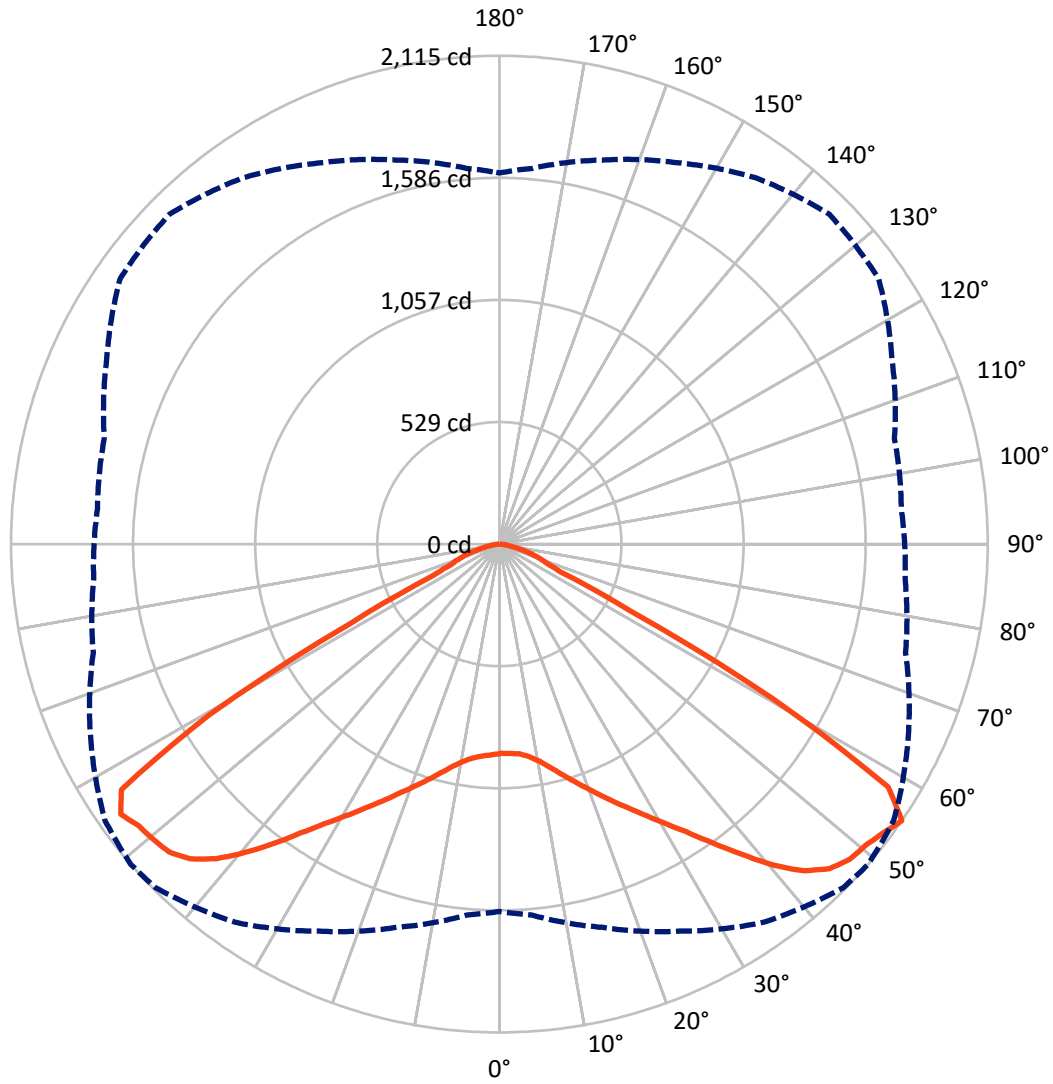
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P630382
CATALOG NUMBER: GWS-SA1D-750-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA1D-750-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2707.1	0.0	2707.1
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2760.8	0.0	2760.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	5467.9	0.0	5467.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	1.6
10°-20°	291.5	5.3
20°-30°	555.1	10.2
30°-40°	941.1	17.2
40°-50°	1416.2	25.9
50°-60°	1550.2	28.4
60°-70°	490.2	9.0
70°-80°	117.6	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°	5467.9	100.0
0°-180°	5467.9	100.0

Coefficient of Utilization



REPORT NUMBER: P630382

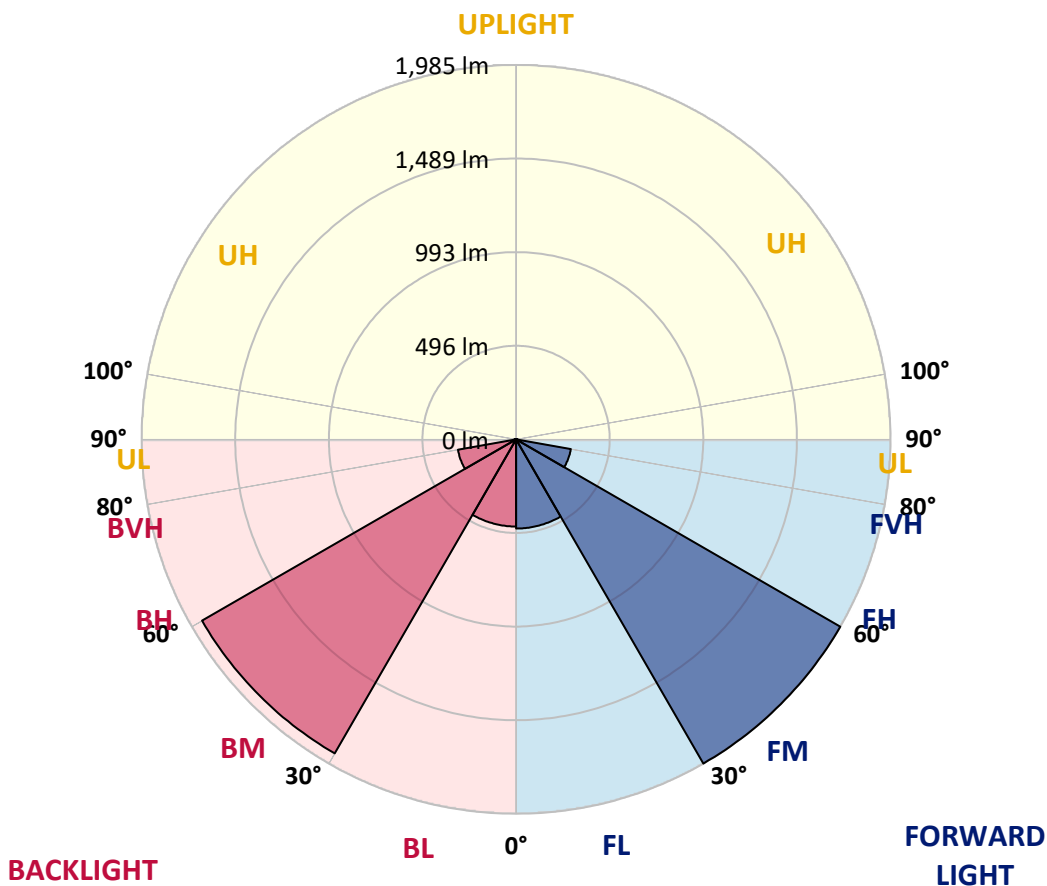
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.8	8.6			
FM (30°-60°)	1985.0	36.3			
FH (60°-80°)	294.8	5.4			G0/660
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	462.2	8.5	B1/500		
BM (30°-60°)	1922.5	35.2	B2/2500		
BH (60°-80°)	313.0	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





REPORT NUMBER: P630382

CATALOG NUMBER: GWS-SA1D-750-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8
2.5°	892.5	893.3	895.1	898.2	901.3	905.8	907.6	909.8	909.3	912.0	912.0
5°	888.0	889.3	892.0	896.5	901.8	910.2	912.5	917.8	923.1	929.8	932.0
7.5°	893.3	895.1	898.2	905.3	913.4	924.5	928.9	937.8	948.0	960.0	964.9
10°	903.6	905.8	911.1	922.7	935.6	952.5	956.5	967.6	984.1	1000.5	1010.3
12.5°	915.1	918.7	928.5	946.7	965.8	988.1	994.3	1008.1	1025.9	1047.2	1060.5
15°	928.5	931.6	946.7	972.5	1002.3	1031.6	1038.7	1052.1	1072.1	1093.0	1111.7
17.5°	956.5	961.8	979.6	1009.4	1044.1	1078.8	1086.8	1101.9	1117.9	1134.4	1152.1
20°	994.7	999.2	1021.8	1058.8	1099.7	1131.2	1139.2	1152.6	1160.1	1168.6	1183.7
22.5°	1033.0	1039.2	1065.0	1108.6	1156.6	1190.8	1197.0	1209.5	1204.2	1201.5	1211.3
25°	1080.5	1089.0	1114.3	1161.9	1210.8	1253.1	1258.0	1268.6	1259.7	1246.0	1245.5
27.5°	1139.7	1147.2	1173.5	1222.4	1270.9	1314.9	1324.2	1338.5	1318.9	1302.0	1290.0
30°	1209.9	1214.8	1243.7	1295.8	1345.6	1387.4	1399.4	1413.6	1398.9	1370.9	1358.9
32.5°	1291.8	1298.4	1331.8	1386.5	1430.9	1472.7	1484.7	1502.5	1486.5	1455.0	1439.8
35°	1390.0	1396.7	1431.8	1491.4	1536.8	1579.9	1588.4	1603.0	1583.0	1546.6	1534.6
37.5°	1496.8	1505.2	1549.7	1606.1	1653.7	1704.0	1704.4	1708.9	1680.4	1635.0	1621.7
40°	1616.8	1627.9	1672.4	1731.1	1788.5	1829.4	1828.9	1816.5	1768.4	1698.2	1677.7
42.5°	1735.5	1744.4	1789.3	1849.8	1907.2	1945.9	1934.3	1904.1	1834.7	1739.1	1712.0
45°	1821.4	1828.0	1875.2	1943.2	2001.5	2025.5	2004.6	1968.1	1874.3	1764.9	1724.9
47.5°	1861.8	1870.7	1918.3	1985.9	2051.7	2065.5	2040.6	2006.3	1897.4	1788.9	1735.1
50°	1840.0	1851.6	1905.4	1968.1	2042.4	2070.8	2053.0	2018.8	1921.9	1812.5	1753.3
52.5°	1783.6	1794.7	1862.7	1938.8	2022.8	2079.3	2078.8	2050.8	1949.9	1819.1	1754.2
55°	1590.6	1612.4	1718.2	1849.4	1998.8	2104.2	2114.8	2085.1	1954.3	1820.9	1763.6
57.5°	1035.2	1073.4	1173.9	1344.7	1644.4	1913.9	1985.9	1993.0	1922.3	1813.4	1765.3
60°	432.2	462.9	542.5	655.9	903.6	1224.2	1363.8	1503.9	1672.8	1734.2	1748.9
62.5°	268.6	271.2	279.3	305.0	387.8	544.3	634.1	765.3	1016.5	1230.4	1329.1
65°	242.3	243.7	245.5	243.7	247.7	266.8	290.8	336.6	438.9	545.2	671.5
67.5°	213.4	215.2	216.6	215.2	216.6	217.4	220.1	224.1	242.8	257.9	269.5
70°	172.5	175.2	177.4	176.5	181.9	181.9	184.5	187.7	197.0	208.1	216.1
72.5°	131.6	129.4	132.1	133.0	137.8	140.5	144.5	148.1	158.7	165.4	175.6
75°	85.4	83.2	87.2	89.4	96.0	99.6	103.2	106.7	114.3	118.7	128.5
77.5°	46.2	45.8	49.8	52.9	60.0	64.5	67.1	69.8	76.0	77.4	83.6
80°	26.7	26.7	29.3	31.6	36.0	40.9	43.6	45.8	50.2	51.6	54.2
82.5°	14.7	14.7	16.0	17.3	20.9	23.6	25.8	27.6	31.6	32.9	34.2
85°	7.1	6.7	7.6	8.4	9.8	11.1	12.5	13.3	16.5	17.3	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



REPORT NUMBER: P630382

CATALOG NUMBER: GWS-SA1D-750-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8
2.5°	914.7	908.9	912.5	913.8	913.8	912.5	906.7	904.9	902.2	898.2	898.2
5°	935.1	930.7	931.6	929.4	924.0	917.4	906.7	901.3	896.9	892.0	891.6
7.5°	970.3	964.5	963.6	955.1	940.9	926.7	910.7	900.9	894.2	888.0	887.6
10°	1016.1	1010.7	1004.1	987.2	966.3	945.4	923.6	910.2	900.5	891.6	891.1
12.5°	1067.2	1061.0	1048.5	1023.6	997.4	976.9	952.0	931.6	916.9	904.9	902.7
15°	1122.8	1113.9	1092.6	1063.2	1037.4	1015.6	988.9	959.6	937.4	918.2	916.0
17.5°	1165.5	1153.9	1130.8	1103.2	1081.9	1060.1	1025.4	988.5	956.5	932.5	928.9
20°	1194.8	1185.5	1159.3	1138.8	1126.3	1107.2	1066.8	1025.0	988.9	958.7	956.9
22.5°	1222.0	1210.8	1185.0	1173.0	1173.0	1160.1	1121.5	1072.1	1029.9	994.7	990.3
25°	1252.6	1240.6	1221.1	1219.7	1226.0	1220.2	1173.5	1120.6	1071.2	1031.6	1024.5
27.5°	1295.3	1282.0	1270.4	1278.4	1287.3	1281.1	1229.1	1167.7	1115.7	1075.7	1069.4
30°	1363.4	1346.9	1336.2	1346.0	1363.4	1345.1	1288.7	1223.7	1171.3	1127.2	1124.1
32.5°	1442.5	1423.8	1412.7	1428.3	1443.8	1415.4	1359.4	1297.1	1242.0	1195.7	1190.4
35°	1537.7	1514.1	1497.6	1518.5	1534.6	1506.5	1451.0	1391.8	1330.4	1282.4	1275.3
37.5°	1622.2	1593.7	1582.6	1611.9	1633.3	1615.0	1554.6	1499.0	1431.8	1379.4	1376.3
40°	1683.5	1655.5	1647.5	1696.0	1733.3	1728.9	1674.6	1611.0	1547.9	1487.4	1481.6
42.5°	1710.2	1690.6	1692.4	1757.8	1815.6	1844.0	1795.6	1727.5	1666.6	1603.9	1599.9
45°	1716.0	1704.0	1718.2	1800.0	1876.1	1934.3	1893.0	1836.0	1767.1	1706.6	1704.9
47.5°	1722.2	1715.5	1737.3	1824.0	1914.3	1981.9	1958.8	1900.1	1830.3	1771.1	1766.7
50°	1736.9	1734.2	1758.7	1840.9	1932.5	1994.8	1968.5	1910.3	1838.7	1780.5	1769.8
52.5°	1741.3	1736.9	1772.0	1867.2	1962.8	1994.3	1937.9	1861.8	1789.8	1724.9	1713.8
55°	1755.1	1747.1	1771.1	1876.9	2004.6	2020.1	1936.1	1822.3	1721.8	1633.3	1607.0
57.5°	1758.7	1749.8	1765.3	1860.9	1959.2	1945.4	1701.7	1470.5	1281.1	1182.8	1193.9
60°	1739.5	1742.2	1715.5	1704.9	1571.5	1387.4	1041.9	832.9	654.1	578.5	595.0
62.5°	1324.2	1335.3	1244.2	1081.9	832.0	659.4	436.2	338.8	286.8	273.5	275.7
65°	668.3	683.5	588.7	486.9	362.0	292.6	253.0	245.0	242.3	239.2	239.2
67.5°	264.6	269.0	265.5	248.6	231.2	225.0	223.2	222.3	219.2	217.4	217.9
70°	212.6	216.1	210.8	200.1	193.0	192.5	191.7	189.9	187.7	187.7	189.0
72.5°	173.4	177.0	169.4	162.7	157.4	153.4	151.2	149.9	146.7	146.7	148.1
75°	127.6	129.8	123.6	122.7	116.9	112.9	109.4	107.6	103.6	101.8	103.2
77.5°	84.9	84.5	81.4	81.4	79.2	74.3	70.3	66.3	60.9	57.4	58.3
80°	55.1	55.1	53.8	53.8	51.6	47.6	42.7	38.7	35.6	32.9	32.9
82.5°	35.1	34.7	34.2	33.8	32.9	28.9	25.3	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)