

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: P630272

Luminaire Tested: GWS-SA1D-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630272  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5272.2 lumens  
Efficiency: N/A  
Efficacy: 119.0 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

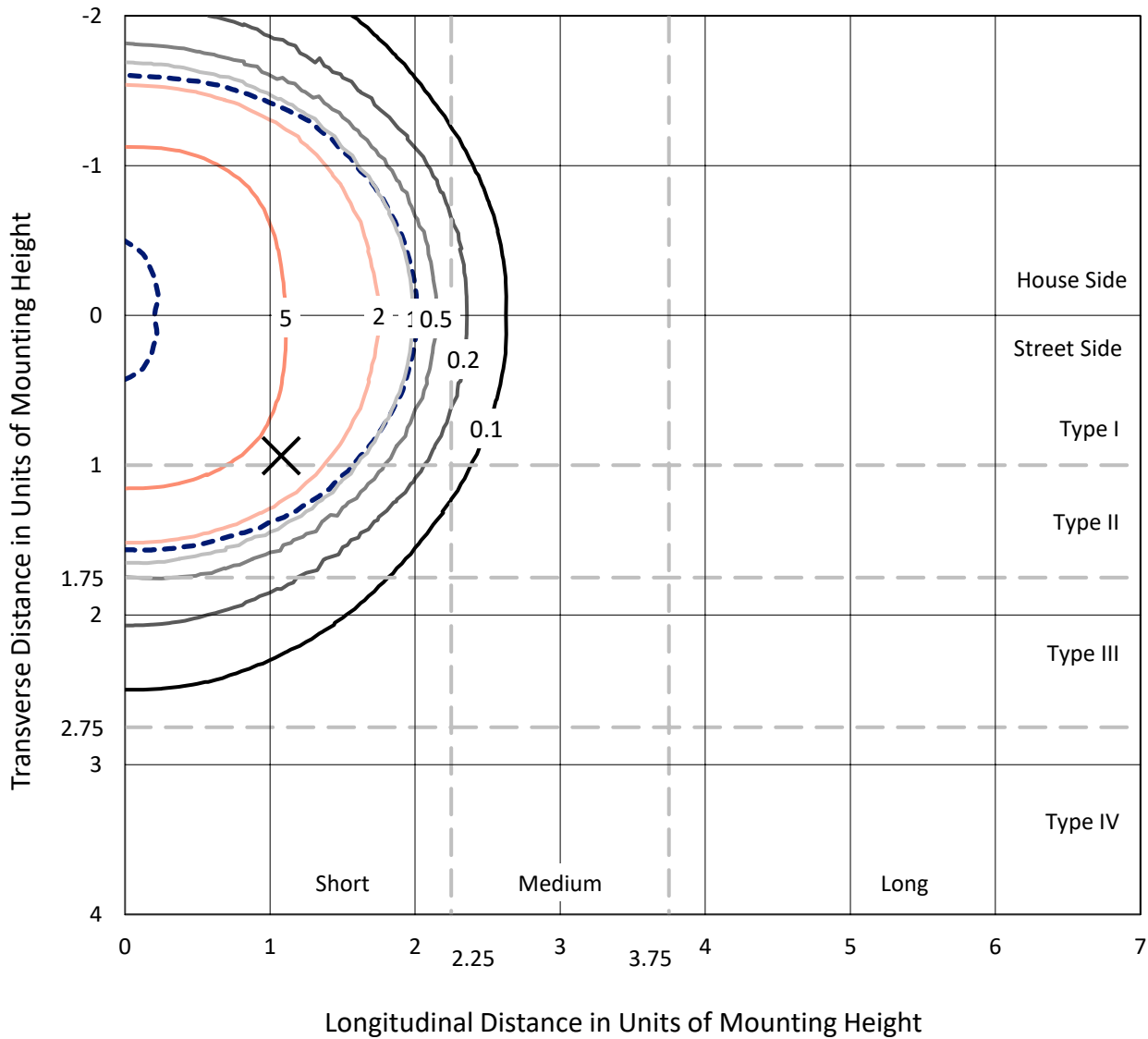


REPORT NUMBER: P630272

CATALOG NUMBER: GWS-SA1D-735-U-RW-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

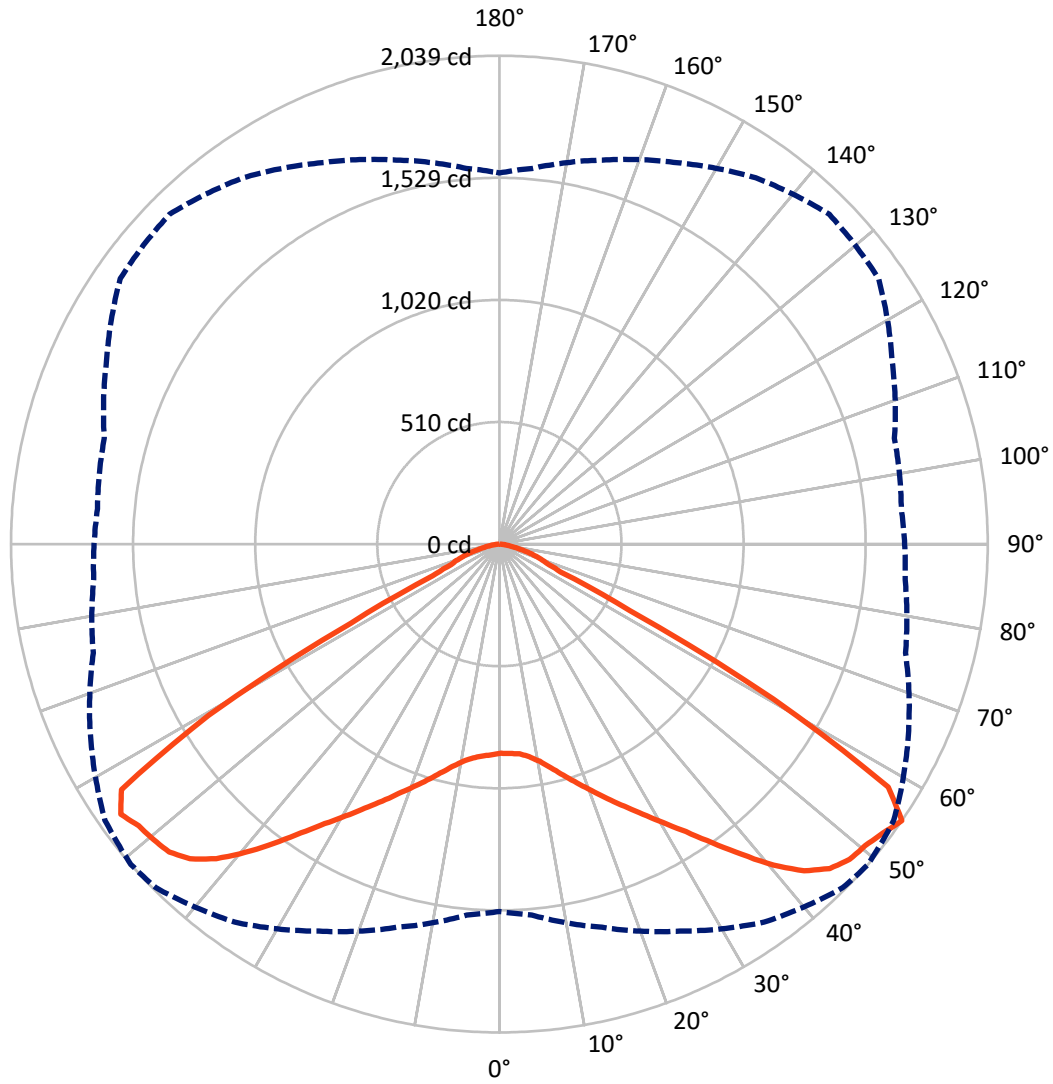
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P630272  
CATALOG NUMBER: GWS-SA1D-735-U-RW-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630272

CATALOG NUMBER: GWS-SA1D-735-U-RW-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2610.2	0.0	2610.2
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	2662.0	0.0	2662.0
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	5272.2	0.0	5272.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.2	1.6
10°-20°	281.0	5.3
20°-30°	535.3	10.2
30°-40°	907.4	17.2
40°-50°	1365.5	25.9
50°-60°	1494.7	28.4
60°-70°	472.6	9.0
70°-80°	113.4	2.2
80°-90°	17.0	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°	5272.2	100.0
0°-180°	5272.2	100.0

**Coefficient of Utilization**



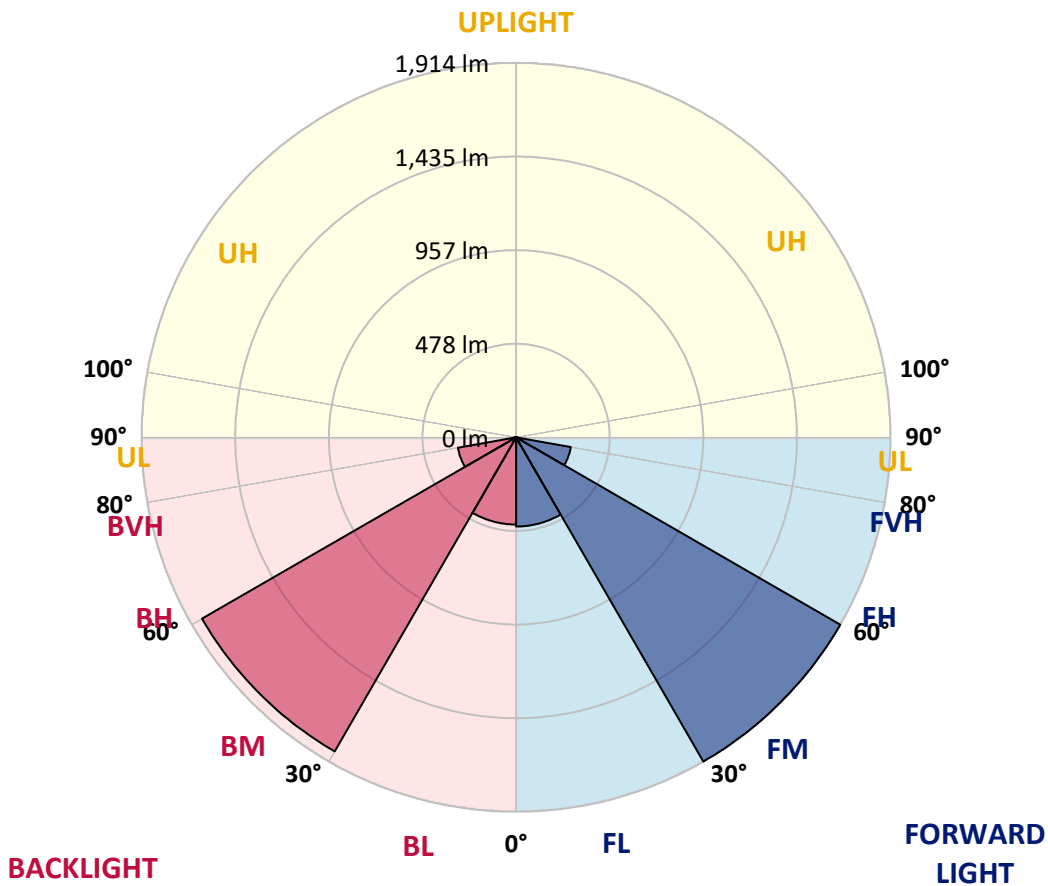
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	455.8	8.6			
FM (30°-60°)	1914.0	36.3			
FH (60°-80°)	284.3	5.4			G0/660
FVH (80°-90°)	7.9	0.1			G0/10
BL (0°-30°)	445.6	8.5	B1/500		
BM (30°-60°)	1853.7	35.2	B2/2500		
BH (60°-80°)	301.8	5.7	B1/500		G0/660
BVH (80°-90°)	9.1	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: P630272

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	873.4	873.4	873.4	873.4	873.4	873.4	873.4	873.4	873.4	873.4	873.4
2.5°	860.5	861.4	863.1	866.1	869.1	873.4	875.1	877.2	876.8	879.4	879.4
5°	856.2	857.5	860.1	864.4	869.5	877.7	879.8	884.9	890.1	896.5	898.7
7.5°	861.4	863.1	866.1	872.9	880.7	891.4	895.7	904.2	914.1	925.7	930.4
10°	871.2	873.4	878.5	889.7	902.1	918.4	922.2	933.0	948.8	964.7	974.1
12.5°	882.4	885.8	895.2	912.8	931.3	952.7	958.7	972.0	989.1	1009.7	1022.6
15°	895.2	898.2	912.8	937.7	966.4	994.7	1001.6	1014.4	1033.7	1053.9	1071.9
17.5°	922.2	927.4	944.5	973.3	1006.7	1040.2	1047.9	1062.5	1077.9	1093.8	1110.9
20°	959.1	963.4	985.3	1020.9	1060.3	1090.8	1098.5	1111.3	1118.6	1126.8	1141.3
22.5°	996.0	1002.0	1026.9	1068.9	1115.2	1148.2	1154.2	1166.2	1161.1	1158.5	1167.9
25°	1041.9	1050.0	1074.5	1120.3	1167.5	1208.2	1212.9	1223.2	1214.7	1201.4	1200.9
27.5°	1098.9	1106.2	1131.5	1178.6	1225.4	1267.8	1276.8	1290.5	1271.7	1255.4	1243.8
30°	1166.6	1171.4	1199.2	1249.4	1297.4	1337.7	1349.3	1363.0	1348.9	1321.8	1310.3
32.5°	1245.5	1252.0	1284.1	1336.9	1379.7	1420.0	1431.6	1448.8	1433.3	1402.9	1388.3
35°	1340.3	1346.7	1380.6	1438.0	1481.8	1523.4	1531.5	1545.7	1526.4	1491.2	1479.6
37.5°	1443.2	1451.3	1494.2	1548.7	1594.5	1643.0	1643.4	1647.7	1620.3	1576.5	1563.7
40°	1558.9	1569.7	1612.5	1669.1	1724.4	1763.9	1763.5	1751.5	1705.2	1637.4	1617.7
42.5°	1673.4	1682.0	1725.3	1783.6	1838.9	1876.2	1865.1	1835.9	1769.0	1676.9	1650.7
45°	1756.2	1762.6	1808.1	1873.7	1929.8	1953.0	1932.8	1897.7	1807.2	1701.7	1663.1
47.5°	1795.2	1803.8	1849.6	1914.8	1978.3	1991.6	1967.6	1934.5	1829.5	1724.9	1673.0
50°	1774.2	1785.3	1837.2	1897.7	1969.3	1996.7	1979.6	1946.5	1853.1	1747.6	1690.6
52.5°	1719.7	1730.5	1796.1	1869.4	1950.4	2004.9	2004.4	1977.4	1880.1	1754.0	1691.4
55°	1533.7	1554.7	1656.7	1783.2	1927.2	2028.9	2039.2	2010.4	1884.4	1755.7	1700.4
57.5°	998.1	1035.0	1131.9	1296.6	1585.5	1845.4	1914.8	1921.7	1853.5	1748.5	1702.2
60°	416.7	446.3	523.1	632.4	871.2	1180.4	1315.0	1450.0	1613.0	1672.1	1686.3
62.5°	259.0	261.5	269.3	294.1	373.9	524.8	611.4	737.9	980.1	1186.4	1281.5
65°	233.7	235.0	236.7	235.0	238.8	257.3	280.4	324.6	423.2	525.7	647.4
67.5°	205.8	207.5	208.8	207.5	208.8	209.7	212.2	216.1	234.1	248.7	259.8
70°	166.4	168.9	171.1	170.2	175.4	175.4	177.9	180.9	189.9	200.7	208.4
72.5°	126.9	124.8	127.3	128.2	132.9	135.5	139.3	142.8	153.1	159.5	169.4
75°	82.3	80.2	84.0	86.2	92.6	96.0	99.5	102.9	110.2	114.5	123.9
77.5°	44.6	44.2	48.0	51.0	57.9	62.2	64.7	67.3	73.3	74.6	80.6
80°	25.7	25.7	28.3	30.4	34.7	39.4	42.0	44.2	48.4	49.7	52.3
82.5°	14.1	14.1	15.4	16.7	20.2	22.7	24.9	26.6	30.4	31.7	33.0
85°	6.9	6.4	7.3	8.1	9.4	10.7	12.0	12.9	15.9	16.7	18.4
87.5°	0.9	0.9	0.9	1.3	1.7	2.6	3.0	3.0	4.7	5.6	6.4
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: P630272

CATALOG NUMBER: GWS-SA1D-735-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	873.4	873.4	873.4	873.4	873.4	873.4	873.4	873.4	873.4	873.4	873.4
2.5°	881.9	876.4	879.8	881.1	881.1	879.8	874.2	872.5	869.9	866.1	866.1
5°	901.7	897.4	898.2	896.1	891.0	884.5	874.2	869.1	864.8	860.1	859.7
7.5°	935.5	930.0	929.1	921.0	907.2	893.5	878.1	868.7	862.2	856.2	855.8
10°	979.7	974.6	968.1	951.8	931.7	911.5	890.5	877.7	868.2	859.7	859.2
12.5°	1029.0	1023.0	1011.0	987.0	961.7	942.0	918.0	898.2	884.1	872.5	870.4
15°	1082.6	1074.0	1053.4	1025.2	1000.3	979.3	953.5	925.3	903.8	885.4	883.2
17.5°	1123.8	1112.6	1090.3	1063.7	1043.2	1022.1	988.7	953.1	922.2	899.1	895.7
20°	1152.1	1143.1	1117.8	1098.0	1086.0	1067.6	1028.6	988.3	953.5	924.4	922.7
22.5°	1178.2	1167.5	1142.6	1131.1	1131.1	1118.6	1081.3	1033.7	993.0	959.1	954.8
25°	1207.8	1196.2	1177.4	1176.1	1182.1	1176.5	1131.5	1080.5	1032.9	994.7	987.8
27.5°	1249.0	1236.1	1225.0	1232.7	1241.2	1235.2	1185.1	1125.9	1075.7	1037.2	1031.2
30°	1314.6	1298.7	1288.4	1297.8	1314.6	1297.0	1242.5	1179.9	1129.3	1086.9	1083.9
32.5°	1390.9	1372.9	1362.2	1377.2	1392.2	1364.7	1310.7	1250.7	1197.5	1152.9	1147.8
35°	1482.6	1459.9	1444.0	1464.2	1479.6	1452.6	1399.0	1342.0	1282.8	1236.5	1229.7
37.5°	1564.1	1536.7	1525.9	1554.2	1574.8	1557.2	1498.9	1445.3	1380.6	1330.0	1327.0
40°	1623.3	1596.3	1588.5	1635.3	1671.3	1667.0	1614.7	1553.4	1492.5	1434.2	1428.6
42.5°	1649.0	1630.1	1631.8	1694.9	1750.6	1778.0	1731.3	1665.7	1607.0	1546.5	1542.7
45°	1654.6	1643.0	1656.7	1735.6	1808.9	1865.1	1825.2	1770.3	1703.9	1645.6	1643.8
47.5°	1660.6	1654.1	1675.1	1758.7	1845.8	1911.0	1888.7	1832.1	1764.8	1707.7	1703.4
50°	1674.7	1672.1	1695.7	1775.0	1863.4	1923.4	1898.1	1841.9	1772.9	1716.7	1706.4
52.5°	1679.0	1674.7	1708.6	1800.3	1892.5	1923.0	1868.5	1795.2	1725.7	1663.1	1652.4
55°	1692.3	1684.6	1707.7	1809.8	1932.8	1947.8	1866.8	1757.0	1660.1	1574.8	1549.5
57.5°	1695.7	1687.1	1702.2	1794.3	1889.1	1875.8	1640.8	1417.9	1235.2	1140.5	1151.2
60°	1677.3	1679.9	1654.1	1643.8	1515.2	1337.7	1004.6	803.1	630.7	557.8	573.7
62.5°	1276.8	1287.5	1199.7	1043.2	802.2	635.8	420.6	326.7	276.5	263.7	265.8
65°	644.4	659.0	567.7	469.5	349.0	282.1	244.0	236.2	233.7	230.7	230.7
67.5°	255.1	259.4	256.0	239.7	223.0	216.9	215.2	214.4	211.4	209.7	210.1
70°	204.9	208.4	203.2	192.9	186.1	185.7	184.8	183.1	180.9	180.9	182.2
72.5°	167.2	170.6	163.4	156.9	151.8	147.9	145.8	144.5	141.5	141.5	142.8
75°	123.1	125.2	119.2	118.3	112.8	108.9	105.5	103.8	99.9	98.2	99.5
77.5°	81.9	81.5	78.5	78.5	76.3	71.6	67.7	63.9	58.7	55.3	56.2
80°	53.2	53.2	51.9	51.9	49.7	45.9	41.2	37.3	34.3	31.7	31.7
82.5°	33.9	33.4	33.0	32.6	31.7	27.9	24.4	21.9	19.7	18.0	18.4
85°	18.9	18.9	18.0	18.0	16.3	14.1	12.4	10.7	9.4	9.0	9.0
87.5°	6.4	6.4	6.0	6.0	5.1	3.9	3.0	2.6	2.1	1.7	2.1
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)