

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: P630327

Luminaire Tested: GWS-SA1D-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630327
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5345.4 lumens
Efficiency: N/A
Efficacy: 120.7 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

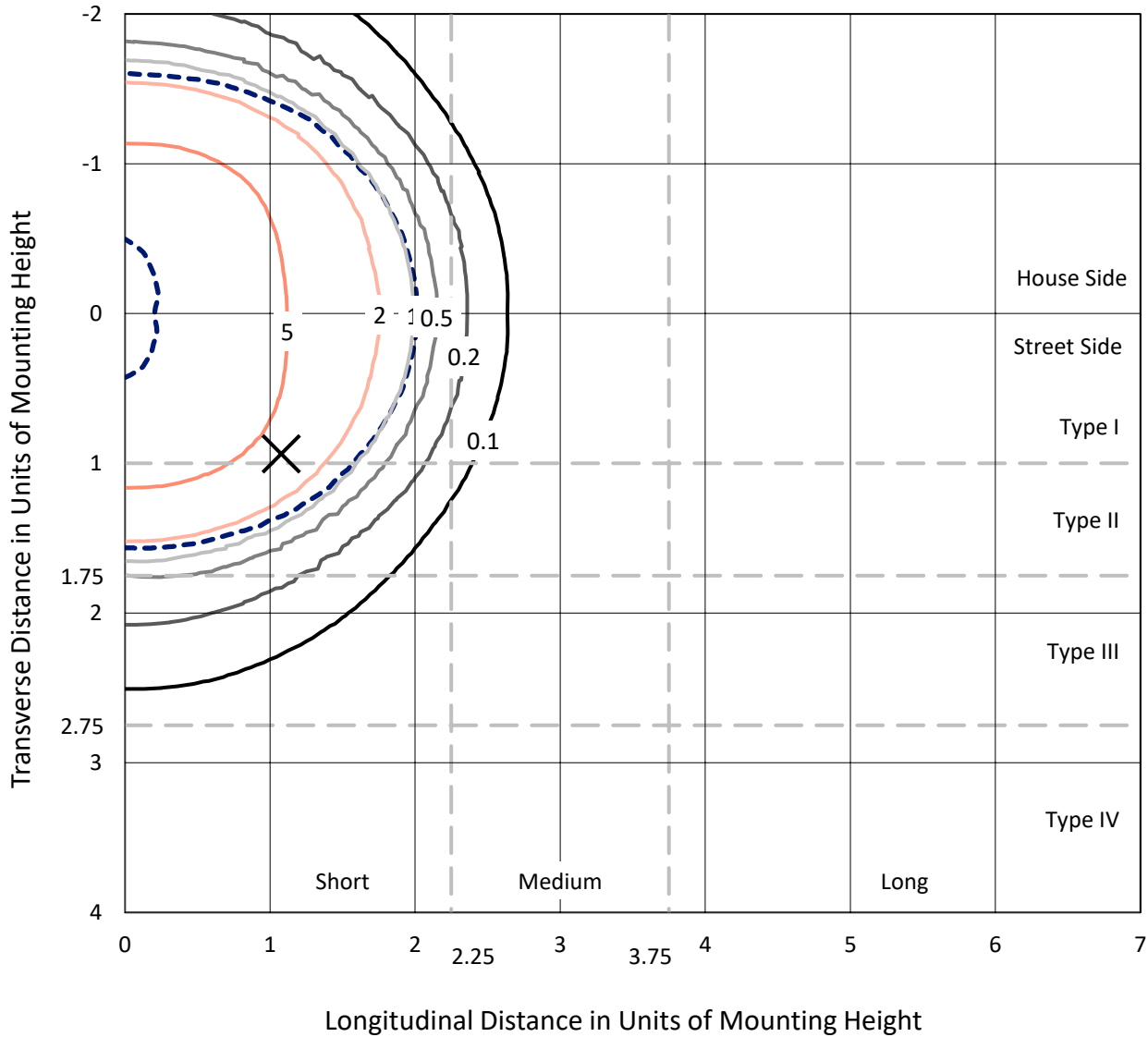
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

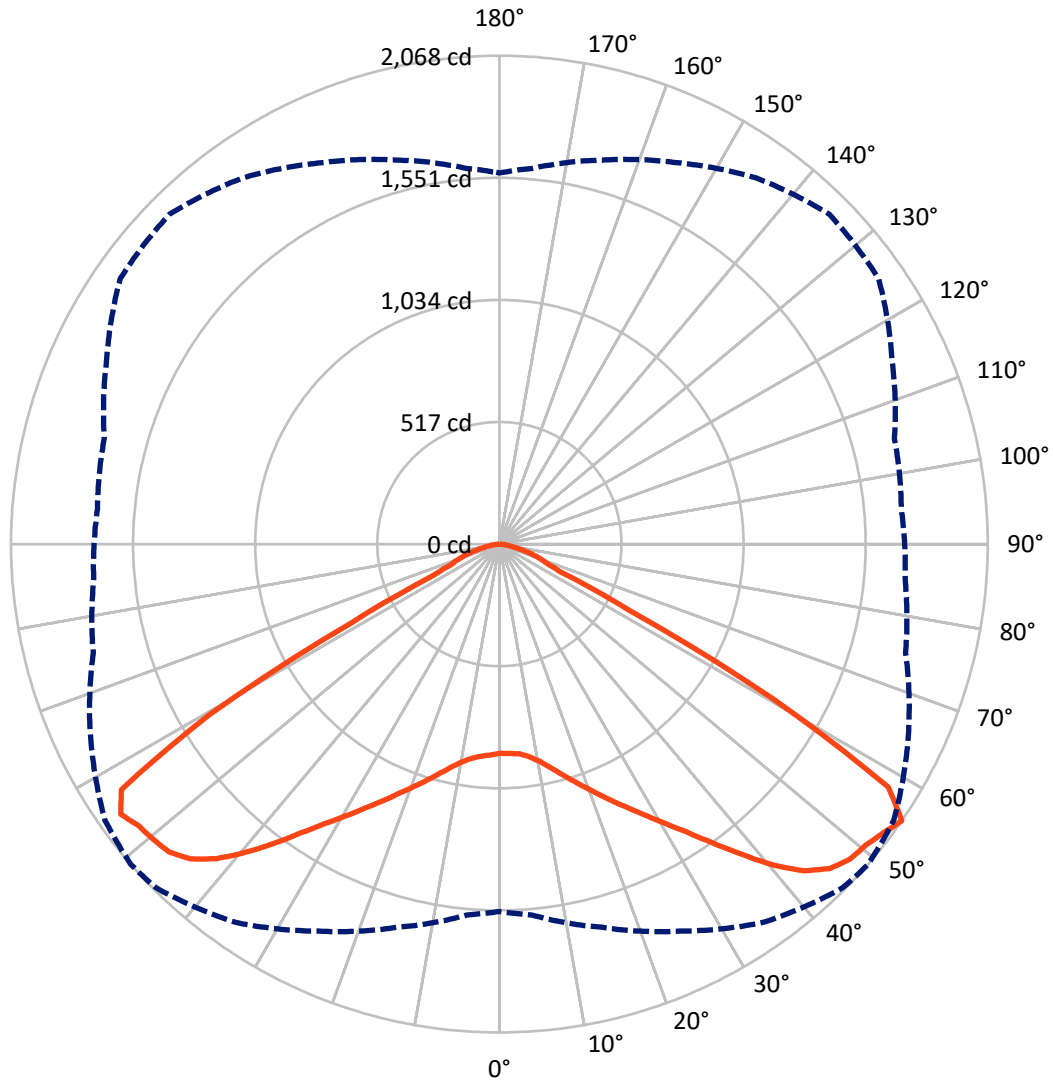
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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	2646.5	0.0	2646.5
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2698.9	0.0	2698.9
	% Fixture	50.5	0.0	50.5
Total	Lumens	5345.4	0.0	5345.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.6
10°-20°	284.9	5.3
20°-30°	542.7	10.2
30°-40°	920.0	17.2
40°-50°	1384.5	25.9
50°-60°	1515.5	28.4
60°-70°	479.2	9.0
70°-80°	115.0	2.2
80°-90°	17.3	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°	5345.4	100.0
0°-180°	5345.4	100.0

Coefficient of Utilization



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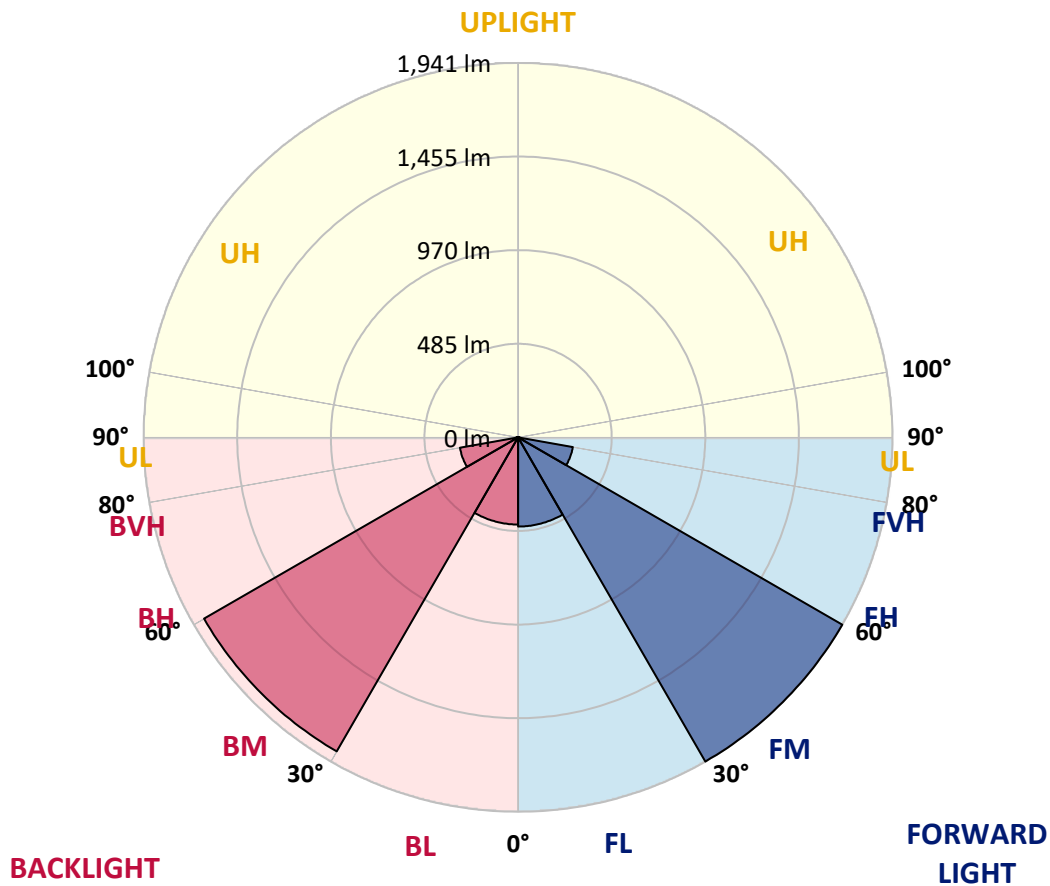
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	462.2	8.6			
FM (30°-60°)	1940.5	36.3			
FH (60°-80°)	288.2	5.4			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	451.8	8.5	B1/500		
BM (30°-60°)	1879.4	35.2	B2/2500		
BH (60°-80°)	306.0	5.7	B1/500		G0/660
BVH (80°-90°)	9.3	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°	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5
2.5°	872.5	873.3	875.1	878.1	881.2	885.5	887.2	889.4	889.0	891.6	891.6
5°	868.1	869.4	872.0	876.4	881.6	889.8	892.0	897.2	902.5	909.0	911.1
7.5°	873.3	875.1	878.1	885.1	892.9	903.8	908.1	916.8	926.8	938.5	943.3
10°	883.3	885.5	890.7	902.0	914.6	931.1	935.1	945.9	962.0	978.1	987.7
12.5°	894.6	898.1	907.7	925.5	944.2	965.9	972.0	985.5	1002.9	1023.7	1036.8
15°	907.7	910.7	925.5	950.7	979.8	1008.5	1015.5	1028.5	1048.1	1068.5	1086.8
17.5°	935.1	940.3	957.7	986.8	1020.7	1054.6	1062.4	1077.2	1092.9	1108.9	1126.3
20°	972.4	976.8	999.0	1035.0	1075.0	1105.9	1113.7	1126.8	1134.2	1142.4	1157.2
22.5°	1009.8	1015.9	1041.1	1083.7	1130.7	1164.1	1170.2	1182.4	1177.2	1174.6	1184.1
25°	1056.3	1064.6	1089.4	1135.9	1183.7	1225.0	1229.8	1240.2	1231.5	1218.0	1217.6
27.5°	1114.2	1121.5	1147.2	1195.0	1242.4	1285.4	1294.6	1308.5	1289.3	1272.8	1261.1
30°	1182.8	1187.6	1215.9	1266.7	1315.4	1356.3	1368.0	1381.9	1367.6	1340.2	1328.5
32.5°	1262.8	1269.3	1301.9	1355.4	1398.9	1439.7	1451.5	1468.9	1453.2	1422.4	1407.6
35°	1358.9	1365.4	1399.8	1458.0	1502.3	1544.5	1552.8	1567.1	1547.6	1511.9	1500.2
37.5°	1463.2	1471.5	1515.0	1570.2	1616.7	1665.8	1666.2	1670.6	1642.8	1598.4	1585.4
40°	1580.6	1591.5	1634.9	1692.3	1748.4	1788.4	1787.9	1775.8	1728.8	1660.1	1640.1
42.5°	1696.7	1705.4	1749.3	1808.4	1864.5	1902.3	1891.0	1861.4	1793.6	1700.1	1673.6
45°	1780.6	1787.1	1833.2	1899.7	1956.6	1980.1	1959.7	1924.0	1832.3	1725.4	1686.2
47.5°	1820.1	1828.8	1875.3	1941.4	2005.7	2019.2	1994.9	1961.4	1854.9	1748.8	1696.2
50°	1798.8	1810.1	1862.7	1924.0	1996.6	2024.4	2007.0	1973.6	1878.8	1771.9	1714.0
52.5°	1743.6	1754.5	1821.0	1895.3	1977.5	2032.7	2032.3	2004.9	1906.2	1778.4	1714.9
55°	1554.9	1576.2	1679.7	1807.9	1954.0	2057.0	2067.5	2038.3	1910.5	1780.1	1724.0
57.5°	1012.0	1049.4	1147.6	1314.6	1607.5	1871.0	1941.4	1948.4	1879.2	1772.7	1725.8
60°	422.5	452.5	530.3	641.2	883.3	1196.7	1333.2	1470.2	1635.4	1695.4	1709.7
62.5°	262.6	265.2	273.0	298.2	379.1	532.1	619.9	748.1	993.7	1202.8	1299.3
65°	236.9	238.2	240.0	238.2	242.1	260.8	284.3	329.1	429.1	533.0	656.4
67.5°	208.7	210.4	211.7	210.4	211.7	212.6	215.2	219.1	237.3	252.1	263.4
70°	168.7	171.3	173.4	172.6	177.8	177.8	180.4	183.4	192.6	203.4	211.3
72.5°	128.7	126.5	129.1	130.0	134.8	137.4	141.3	144.8	155.2	161.7	171.7
75°	83.5	81.3	85.2	87.4	93.9	97.4	100.9	104.3	111.7	116.1	125.6
77.5°	45.2	44.8	48.7	51.7	58.7	63.0	65.6	68.2	74.3	75.6	81.7
80°	26.1	26.1	28.7	30.9	35.2	40.0	42.6	44.8	49.1	50.4	53.0
82.5°	14.3	14.3	15.6	17.0	20.4	23.0	25.2	27.0	30.9	32.2	33.5
85°	7.0	6.5	7.4	8.3	9.6	10.9	12.2	13.0	16.1	17.0	18.7
87.5°	0.9	0.9	0.9	1.3	1.7	2.6	3.0	3.0	4.8	5.7	6.5
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°	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5
2.5°	894.2	888.5	892.0	893.3	893.3	892.0	886.4	884.6	882.0	878.1	878.1
5°	914.2	909.8	910.7	908.5	903.3	896.8	886.4	881.2	876.8	872.0	871.6
7.5°	948.5	942.9	942.0	933.8	919.8	905.9	890.3	880.7	874.2	868.1	867.7
10°	993.3	988.1	981.6	965.0	944.6	924.2	902.9	889.8	880.3	871.6	871.2
12.5°	1043.3	1037.2	1025.0	1000.7	975.0	955.1	930.7	910.7	896.4	884.6	882.5
15°	1097.6	1088.9	1068.1	1039.4	1014.2	992.9	966.8	938.1	916.4	897.7	895.5
17.5°	1139.4	1128.1	1105.5	1078.5	1057.6	1036.3	1002.4	966.4	935.1	911.6	908.1
20°	1168.1	1158.9	1133.3	1113.3	1101.1	1082.4	1042.9	1002.0	966.8	937.2	935.5
22.5°	1194.6	1183.7	1158.5	1146.8	1146.8	1134.2	1096.3	1048.1	1006.8	972.4	968.1
25°	1224.6	1212.8	1193.7	1192.4	1198.5	1192.8	1147.2	1095.5	1047.2	1008.5	1001.6
27.5°	1266.3	1253.3	1242.0	1249.8	1258.5	1252.4	1201.5	1141.5	1090.7	1051.6	1045.5
30°	1332.8	1316.7	1306.3	1315.9	1332.8	1315.0	1259.8	1196.3	1145.0	1102.0	1098.9
32.5°	1410.2	1391.9	1381.1	1396.3	1411.5	1383.7	1328.9	1268.0	1214.1	1168.9	1163.7
35°	1503.2	1480.2	1464.1	1484.5	1500.2	1472.8	1418.4	1360.6	1300.6	1253.7	1246.7
37.5°	1585.8	1558.0	1547.1	1575.8	1596.7	1578.9	1519.7	1465.4	1399.8	1348.5	1345.4
40°	1645.8	1618.4	1610.6	1658.0	1694.5	1690.1	1637.1	1574.9	1513.2	1454.1	1448.4
42.5°	1671.9	1652.8	1654.5	1718.4	1774.9	1802.7	1755.3	1688.8	1629.3	1568.0	1564.1
45°	1677.5	1665.8	1679.7	1759.7	1834.0	1891.0	1850.5	1794.9	1727.5	1668.4	1666.7
47.5°	1683.6	1677.1	1698.4	1783.2	1871.4	1937.5	1914.9	1857.5	1789.3	1731.4	1727.1
50°	1698.0	1695.4	1719.3	1799.7	1889.2	1950.1	1924.4	1867.5	1797.5	1740.6	1730.1
52.5°	1702.3	1698.0	1732.3	1825.3	1918.8	1949.7	1894.5	1820.1	1749.7	1686.2	1675.4
55°	1715.8	1708.0	1731.4	1834.9	1959.7	1974.9	1892.7	1781.4	1683.2	1596.7	1571.0
57.5°	1719.3	1710.6	1725.8	1819.2	1915.3	1901.8	1663.6	1437.6	1252.4	1156.3	1167.2
60°	1700.6	1703.2	1677.1	1666.7	1536.3	1356.3	1018.5	814.2	639.5	565.6	581.6
62.5°	1294.6	1305.4	1216.3	1057.6	813.3	644.7	426.4	331.2	280.4	267.3	269.5
65°	653.4	668.1	575.6	476.0	353.9	286.0	247.3	239.5	236.9	233.9	233.9
67.5°	258.7	263.0	259.5	243.0	226.0	220.0	218.2	217.4	214.3	212.6	213.0
70°	207.8	211.3	206.1	195.6	188.7	188.2	187.4	185.6	183.4	183.4	184.8
72.5°	169.5	173.0	165.6	159.1	153.9	150.0	147.8	146.5	143.5	143.5	144.8
75°	124.8	126.9	120.8	120.0	114.3	110.4	106.9	105.2	101.3	99.5	100.9
77.5°	83.0	82.6	79.6	79.6	77.4	72.6	68.7	64.8	59.6	56.1	56.9
80°	53.9	53.9	52.6	52.6	50.4	46.5	41.7	37.8	34.8	32.2	32.2
82.5°	34.3	33.9	33.5	33.0	32.2	28.3	24.8	22.2	20.0	18.3	18.7
85°	19.1	19.1	18.3	18.3	16.5	14.3	12.6	10.9	9.6	9.1	9.1
87.5°	6.5	6.5	6.1	6.1	5.2	3.9	3.0	2.6	2.2	1.7	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)