

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: P630328

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630328  
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-SA1D-740-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

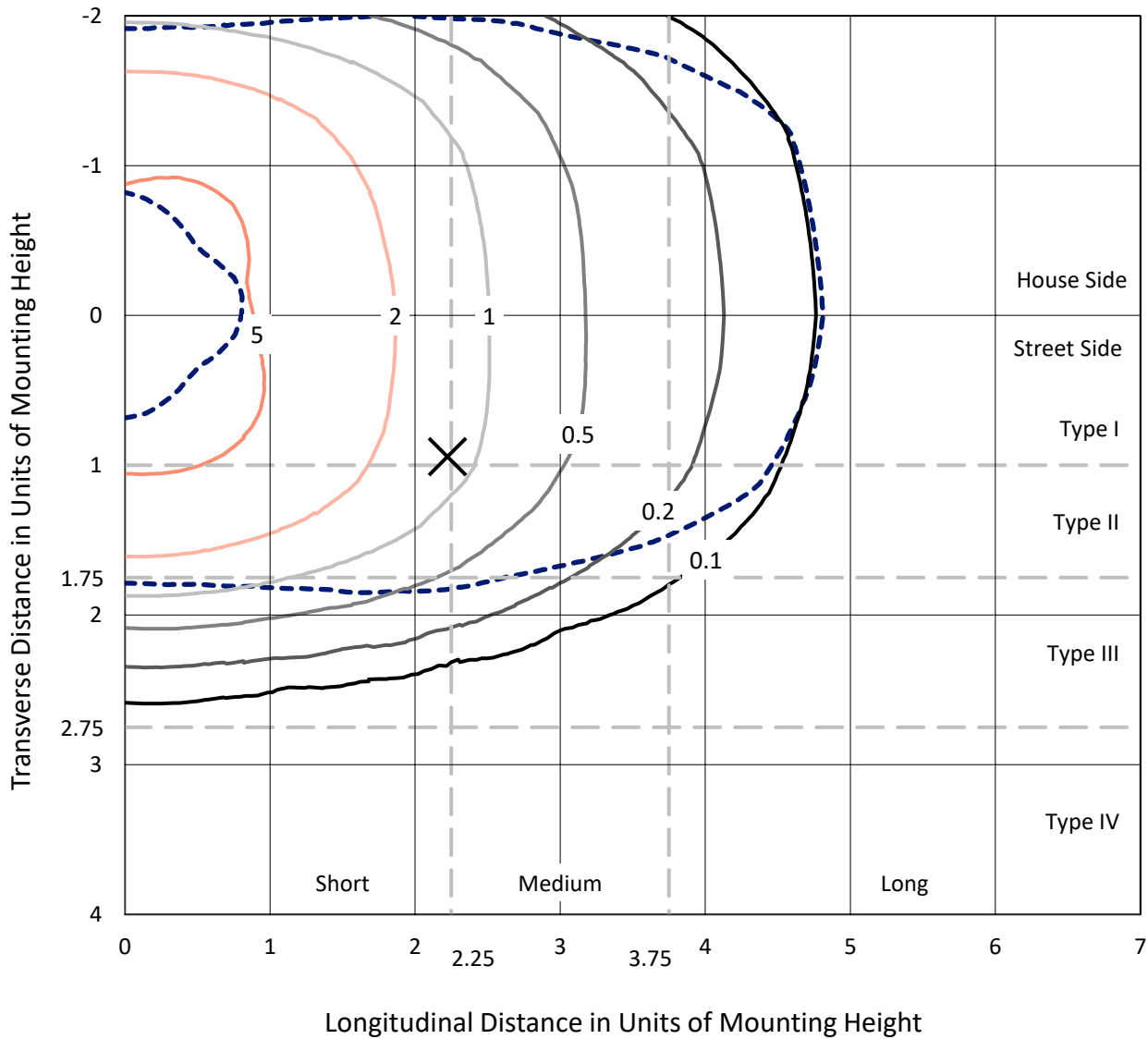
Lumens per Lamp: N/A  
Luminaire Lumens: 6242.2 lumens  
Efficiency: N/A  
Efficacy: 140.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

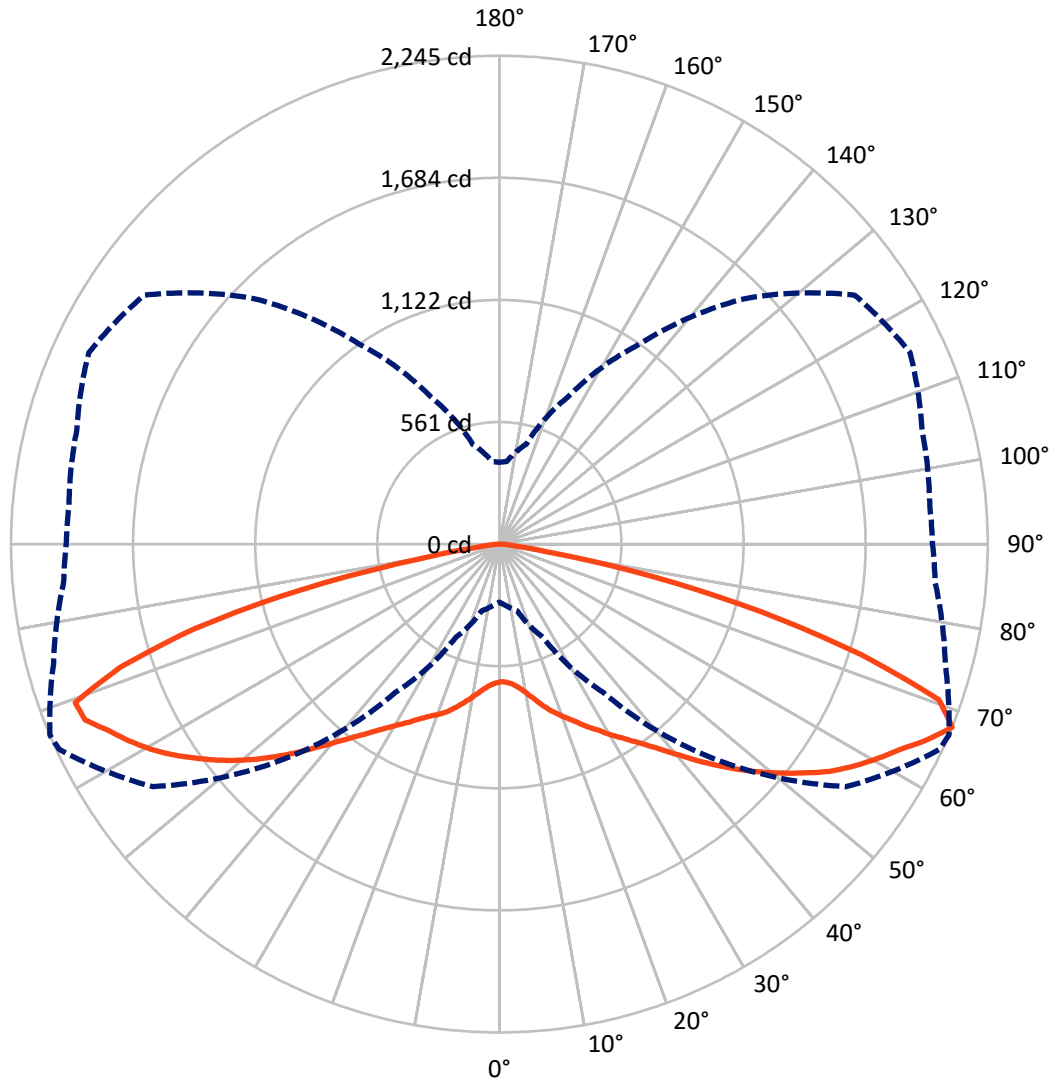
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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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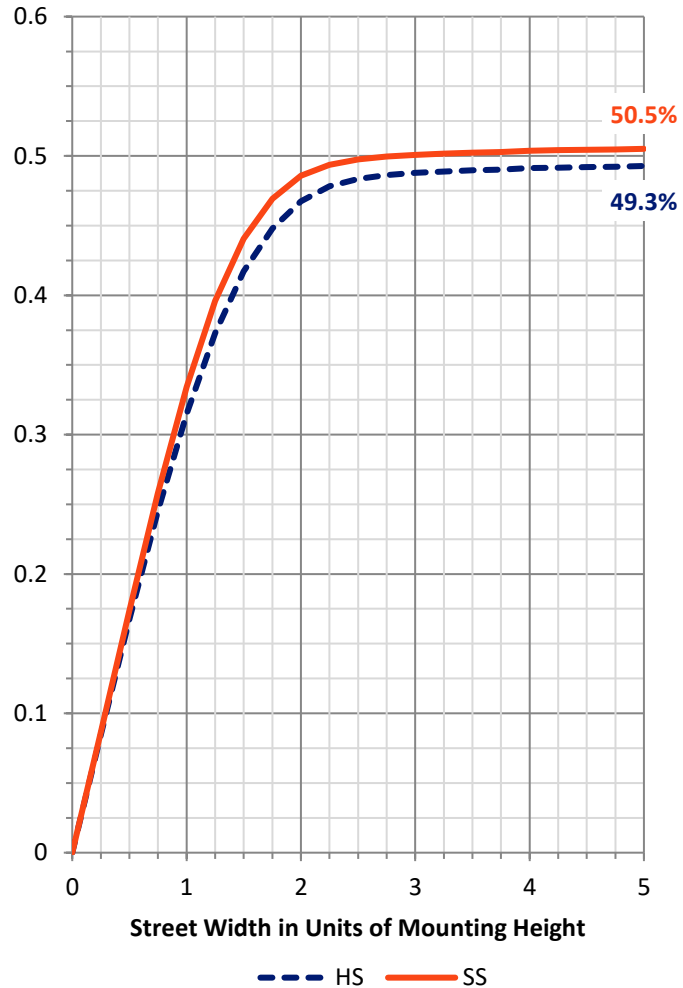
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3086.7	0.0	3086.7
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	3155.5	0.0	3155.5
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	6242.2	0.0	6242.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.0	1.0
10°-20°	209.5	3.4
20°-30°	411.0	6.6
30°-40°	700.3	11.2
40°-50°	1124.5	18.0
50°-60°	1528.0	24.5
60°-70°	1461.6	23.4
70°-80°	694.9	11.1
80°-90°	50.4	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°	6242.2	100.0
0°-180°	6242.2	100.0

**Coefficient of Utilization**



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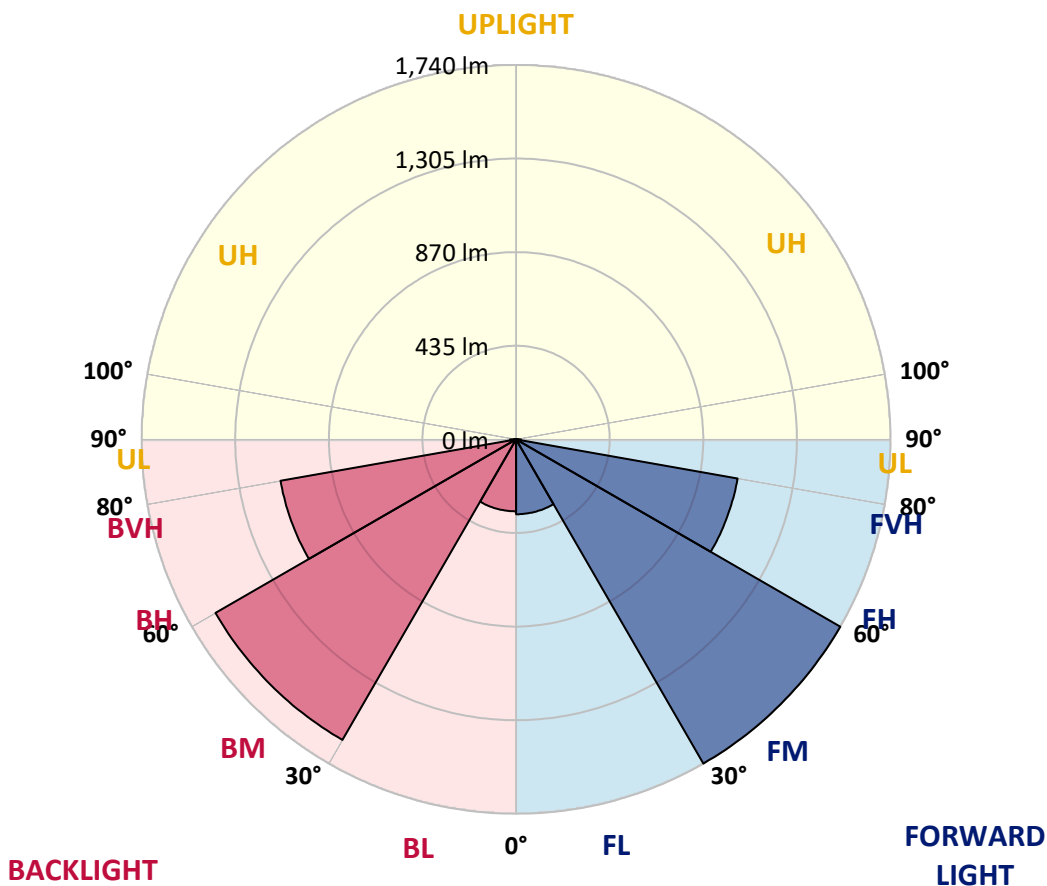
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	348.0	5.6			
FM (30°-60°)	1739.8	27.9			
FH (60°-80°)	1045.1	16.7			G1/1800
FVH (80°-90°)	22.6	0.4			G1/100
BL (0°-30°)	334.5	5.4	B1/500		
BM (30°-60°)	1613.0	25.8	B2/2500		
BH (60°-80°)	1111.4	17.8	B3/2500		G3/2500
BVH (80°-90°)	27.7	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°	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1
2.5°	619.0	619.9	621.2	623.8	626.4	630.3	634.2	633.8	635.5	636.8	638.1
5°	615.5	616.4	618.6	622.1	626.0	632.5	640.8	644.2	646.8	651.6	656.0
7.5°	622.9	624.7	627.7	632.5	638.6	646.8	658.1	664.2	668.1	676.8	684.2
10°	632.9	635.1	641.2	650.3	659.4	672.1	686.4	695.5	698.1	709.4	723.3
12.5°	642.5	645.1	655.1	671.6	688.1	705.1	722.0	733.3	734.2	749.4	765.1
15°	657.7	659.9	673.4	694.7	719.9	743.3	764.2	772.0	775.5	786.4	805.9
17.5°	691.2	693.8	711.2	734.2	760.7	785.5	806.4	812.9	812.9	822.0	838.1
20°	727.3	729.9	752.9	782.5	814.6	839.8	855.9	849.8	847.7	850.3	861.6
22.5°	767.7	772.5	794.6	829.0	868.5	899.4	907.7	889.4	883.3	877.2	879.8
25°	819.4	825.1	846.8	883.3	922.0	954.6	959.4	931.1	927.7	906.4	898.5
27.5°	879.0	883.3	910.3	946.3	982.4	1009.8	1015.0	980.3	968.5	939.0	920.7
30°	955.9	959.8	983.3	1018.9	1050.2	1069.4	1075.9	1028.1	1018.9	973.7	945.5
32.5°	1039.8	1041.5	1065.5	1099.8	1127.6	1145.9	1136.7	1081.1	1067.6	1016.8	978.1
35°	1135.9	1135.9	1166.7	1194.6	1216.7	1221.9	1204.6	1141.1	1125.4	1070.2	1022.0
37.5°	1230.2	1232.8	1261.5	1294.5	1314.1	1313.2	1281.5	1212.0	1194.1	1134.1	1080.7
40°	1332.4	1338.0	1366.7	1403.7	1422.3	1419.7	1371.1	1293.7	1275.4	1204.6	1152.4
42.5°	1426.3	1435.4	1468.9	1506.7	1527.1	1525.4	1474.5	1387.6	1369.7	1289.8	1237.6
45°	1501.0	1510.6	1552.3	1604.9	1637.5	1634.5	1583.2	1484.9	1463.2	1379.3	1321.9
47.5°	1566.7	1576.7	1623.2	1678.8	1730.6	1735.8	1688.8	1583.2	1560.1	1475.4	1410.6
50°	1617.1	1621.9	1674.0	1734.9	1794.9	1824.0	1783.1	1681.9	1654.0	1570.1	1497.1
52.5°	1613.2	1619.7	1684.0	1766.6	1847.1	1894.9	1866.6	1774.9	1747.9	1656.7	1585.4
55°	1533.6	1540.2	1616.7	1737.1	1876.2	1946.6	1943.6	1863.6	1844.0	1744.9	1677.1
57.5°	1417.6	1431.9	1508.0	1638.0	1837.9	1987.9	2000.1	1944.4	1924.0	1831.4	1767.9
60°	1209.8	1228.9	1316.7	1485.4	1715.3	1974.0	2060.5	2012.7	2000.1	1911.8	1850.1
62.5°	879.0	892.9	1009.8	1231.1	1533.6	1874.9	2111.4	2083.1	2073.5	1984.0	1924.4
65°	526.4	558.2	652.1	870.7	1237.2	1688.0	2083.5	2175.3	2165.3	2058.3	1987.9
67.5°	266.5	280.8	317.8	472.1	832.0	1396.7	1944.0	2232.6	2244.8	2121.8	2010.5
70°	165.2	169.1	179.5	233.0	415.6	917.7	1589.7	2083.1	2142.6	2111.8	1951.8
72.5°	132.6	133.5	135.2	145.2	199.5	429.1	1005.0	1631.4	1738.8	1972.2	1867.9
75°	110.0	110.4	110.8	113.9	124.3	175.2	489.0	1121.1	1246.7	1676.2	1731.9
77.5°	88.2	86.1	87.8	89.1	91.7	97.8	168.7	598.2	725.5	1100.2	1339.3
80°	57.4	56.5	60.0	61.3	63.9	67.8	90.0	203.0	246.5	400.4	426.0
82.5°	30.9	29.1	36.5	35.2	36.5	39.6	53.0	74.3	83.5	120.8	102.2
85°	9.6	9.6	10.0	11.7	14.3	13.9	23.0	36.5	40.4	51.7	38.3
87.5°	1.7	1.7	1.7	1.7	1.7	2.2	4.8	7.4	10.0	17.8	13.5
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°	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1
2.5°	640.8	636.8	639.0	640.3	639.9	639.0	634.7	633.8	631.6	628.1	627.3
5°	659.9	655.5	656.0	654.7	650.3	644.7	635.1	630.3	626.4	622.1	621.6
7.5°	689.9	685.1	683.8	677.7	665.5	652.5	637.3	628.6	622.1	616.4	615.5
10°	728.1	723.3	719.0	704.7	684.7	667.3	647.3	634.7	625.1	618.1	616.8
12.5°	770.7	766.8	755.9	735.1	711.2	690.7	670.3	654.7	640.8	630.3	629.0
15°	818.1	809.4	792.9	765.9	743.3	726.8	702.0	680.7	658.6	644.7	641.6
17.5°	851.1	843.8	824.2	798.1	780.3	765.9	736.8	706.4	676.4	656.0	651.6
20°	874.6	866.8	844.6	825.5	819.8	807.7	773.8	738.6	703.8	678.6	672.9
22.5°	891.6	883.3	860.7	851.1	859.0	856.8	823.8	783.8	742.5	712.5	705.5
25°	907.7	899.8	879.8	883.3	904.2	910.7	875.1	828.5	781.6	746.4	738.1
27.5°	922.9	912.9	903.7	922.9	952.4	964.6	926.8	874.2	823.3	787.2	780.7
30°	946.3	934.6	933.3	961.1	1008.1	1018.5	976.8	924.2	873.8	837.2	829.0
32.5°	975.9	965.0	965.9	1007.6	1062.0	1070.7	1035.0	985.9	935.5	899.0	887.7
35°	1015.9	1002.4	1009.8	1061.1	1115.9	1132.0	1103.3	1062.4	1013.3	975.9	963.3
37.5°	1071.1	1051.5	1066.8	1120.7	1175.9	1199.8	1177.6	1147.2	1098.5	1060.7	1048.9
40°	1141.5	1125.4	1131.5	1191.1	1248.0	1276.7	1262.8	1232.8	1184.6	1145.0	1131.5
42.5°	1225.0	1208.9	1206.7	1270.2	1327.1	1370.6	1357.1	1329.8	1279.8	1234.6	1221.5
45°	1306.7	1291.9	1295.0	1359.7	1423.7	1471.0	1457.6	1425.4	1371.1	1318.9	1308.5
47.5°	1391.9	1379.7	1382.4	1451.0	1521.5	1568.8	1551.9	1512.8	1449.3	1393.7	1381.1
50°	1479.3	1465.4	1469.3	1541.5	1617.5	1662.3	1636.2	1578.4	1508.4	1454.1	1443.2
52.5°	1566.2	1549.7	1559.7	1628.0	1706.6	1742.3	1694.0	1624.0	1556.2	1502.3	1490.2
55°	1666.2	1648.8	1638.0	1711.0	1788.8	1803.6	1737.5	1655.8	1575.4	1514.1	1506.7
57.5°	1757.5	1742.7	1722.3	1795.3	1852.7	1841.8	1771.0	1647.1	1528.8	1450.2	1439.7
60°	1839.2	1826.6	1808.8	1871.0	1897.0	1872.7	1744.0	1544.1	1414.1	1331.9	1327.1
62.5°	1914.4	1901.0	1884.4	1937.5	1934.0	1877.5	1621.4	1385.8	1212.0	1123.7	1115.9
65°	1974.0	1961.8	1957.0	1998.8	1993.1	1784.0	1430.6	1126.7	885.5	785.9	782.9
67.5°	1990.9	1986.2	2011.8	2082.7	1994.4	1596.2	1122.0	747.3	475.6	381.2	375.6
70°	1927.5	1927.0	2000.5	2101.8	1813.6	1219.3	662.1	336.9	239.1	212.1	208.7
72.5°	1844.9	1843.6	1901.8	1813.1	1345.0	667.3	278.6	180.4	149.5	142.1	142.1
75°	1709.3	1705.8	1749.7	1379.3	756.4	251.3	147.8	123.9	117.4	116.1	116.1
77.5°	1393.2	1364.1	1295.0	852.5	263.9	123.5	97.8	97.4	93.5	93.0	93.0
80°	458.2	458.2	532.5	325.2	116.5	76.1	69.1	72.6	68.7	66.1	65.6
82.5°	74.8	103.0	146.5	93.0	63.0	47.4	42.6	45.2	47.4	37.8	37.8
85°	29.6	38.7	56.5	43.5	29.1	19.1	20.4	22.6	20.0	17.4	17.0
87.5°	11.3	13.9	20.0	10.4	6.1	3.5	2.2	2.2	1.7	1.7	1.7
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)