

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: P630931

Luminaire Tested: GWS-SA1E-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

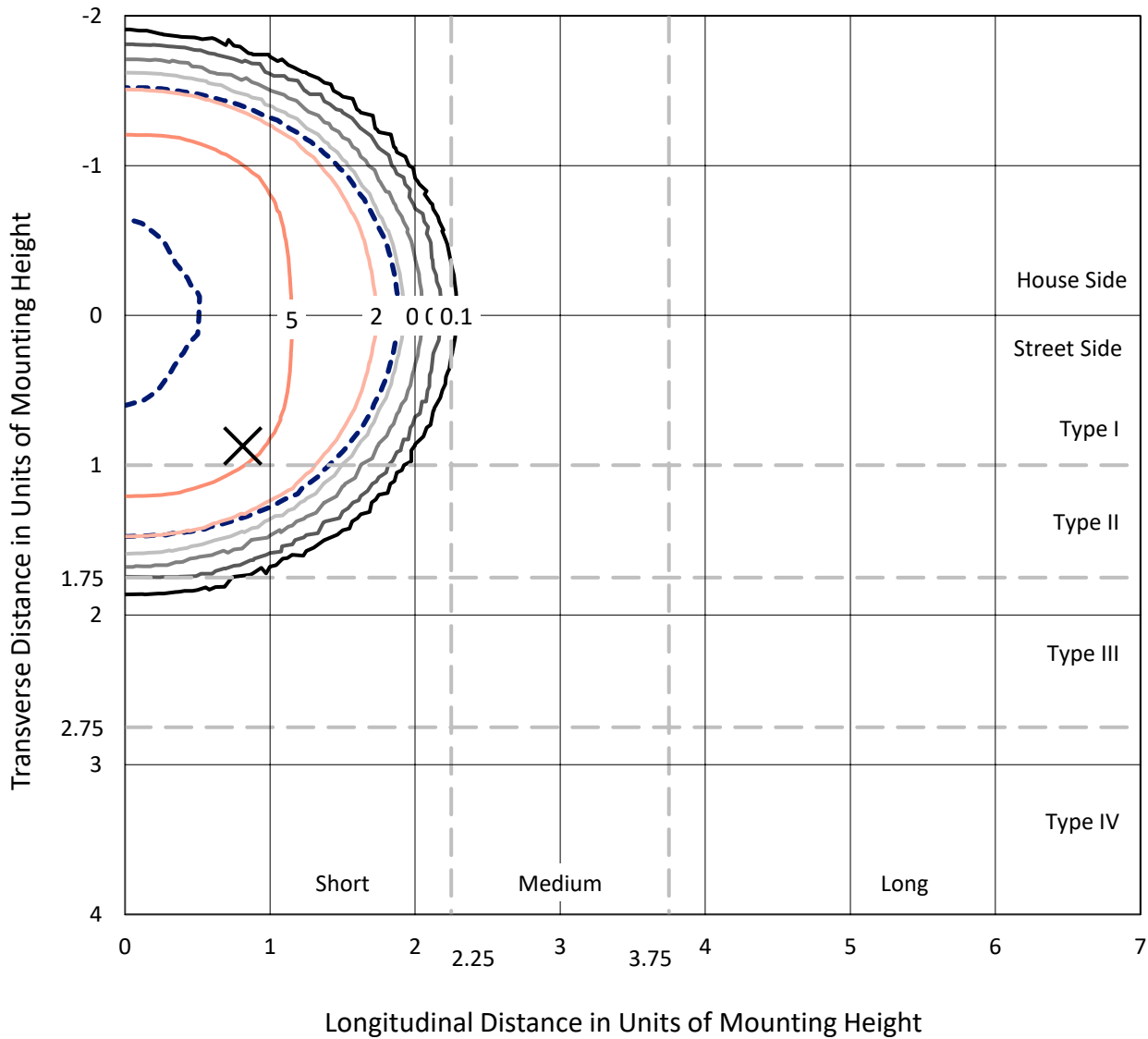
Lumens per Lamp: N/A  
Luminaire Lumens: 4954.9 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

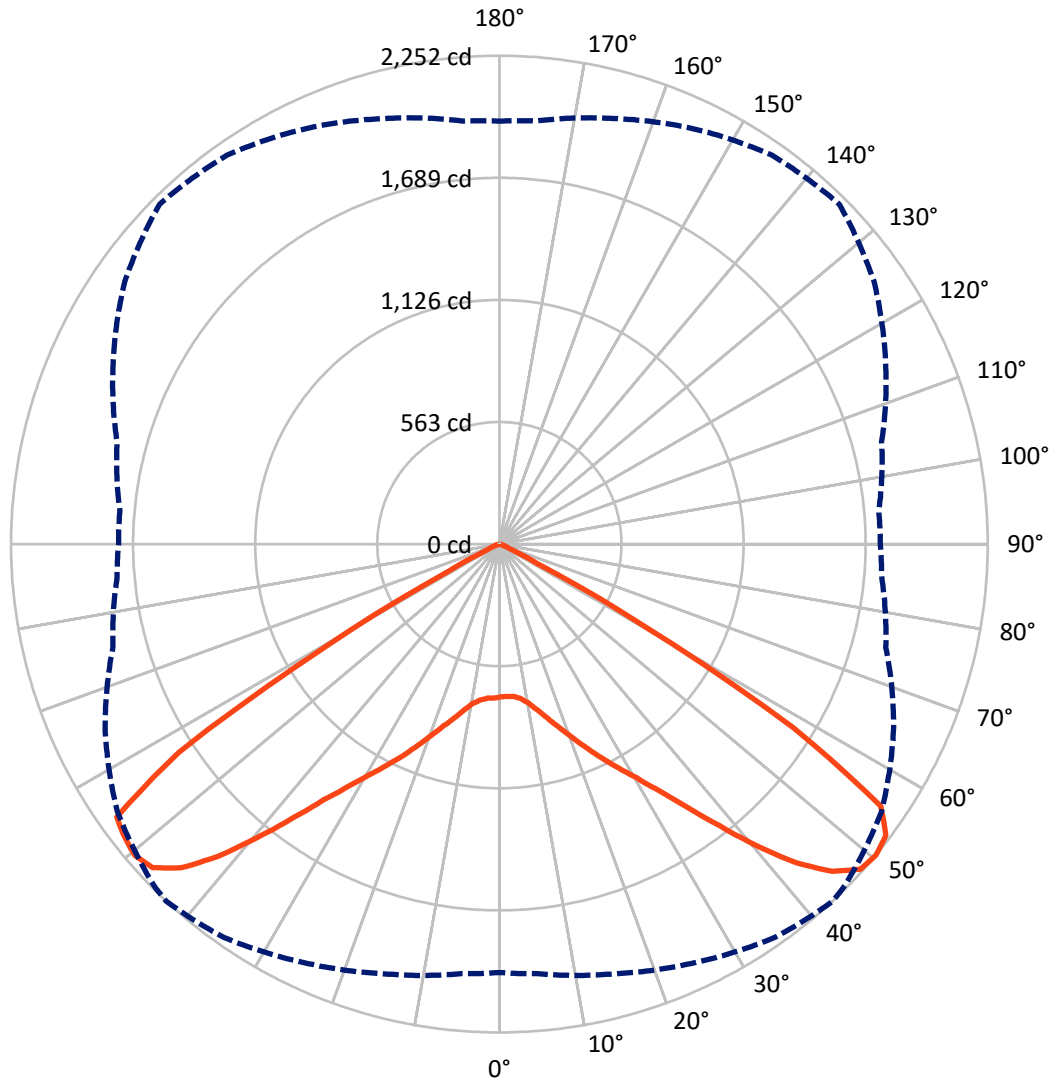
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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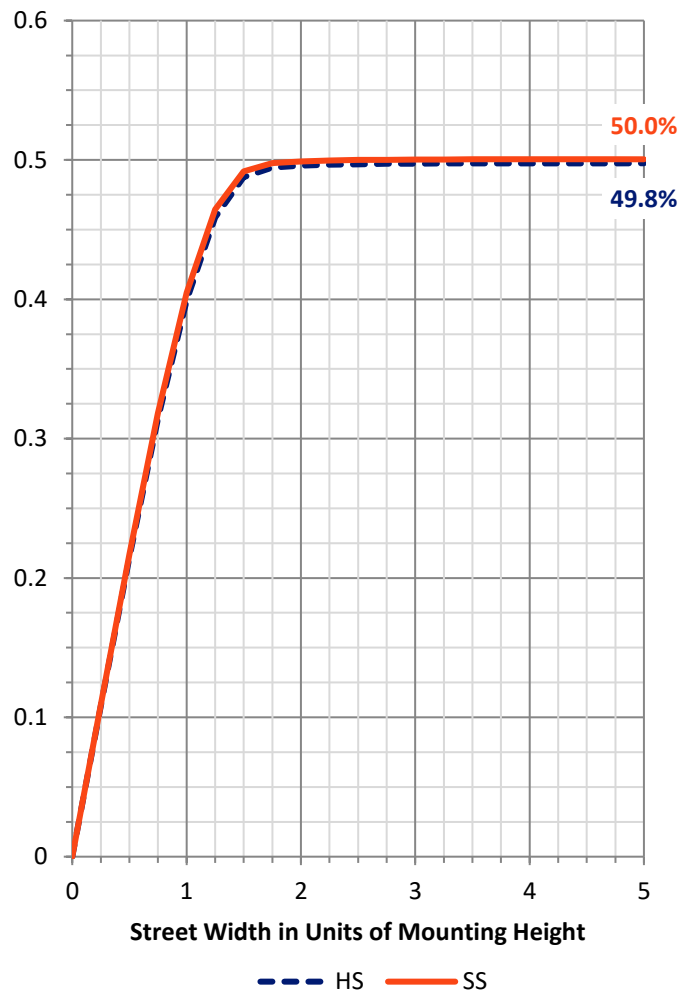
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2477.4	0.0	2477.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2477.5	0.0	2477.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4954.9	0.0	4954.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.4	1.4
10°-20°	238.8	4.8
20°-30°	483.2	9.8
30°-40°	896.5	18.1
40°-50°	1488.1	30.0
50°-60°	1518.7	30.7
60°-70°	249.0	5.0
70°-80°	10.9	0.2
80°-90°	0.1	0.0
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°	4954.9	100.0
0°-180°	4954.9	100.0

**Coefficient of Utilization**



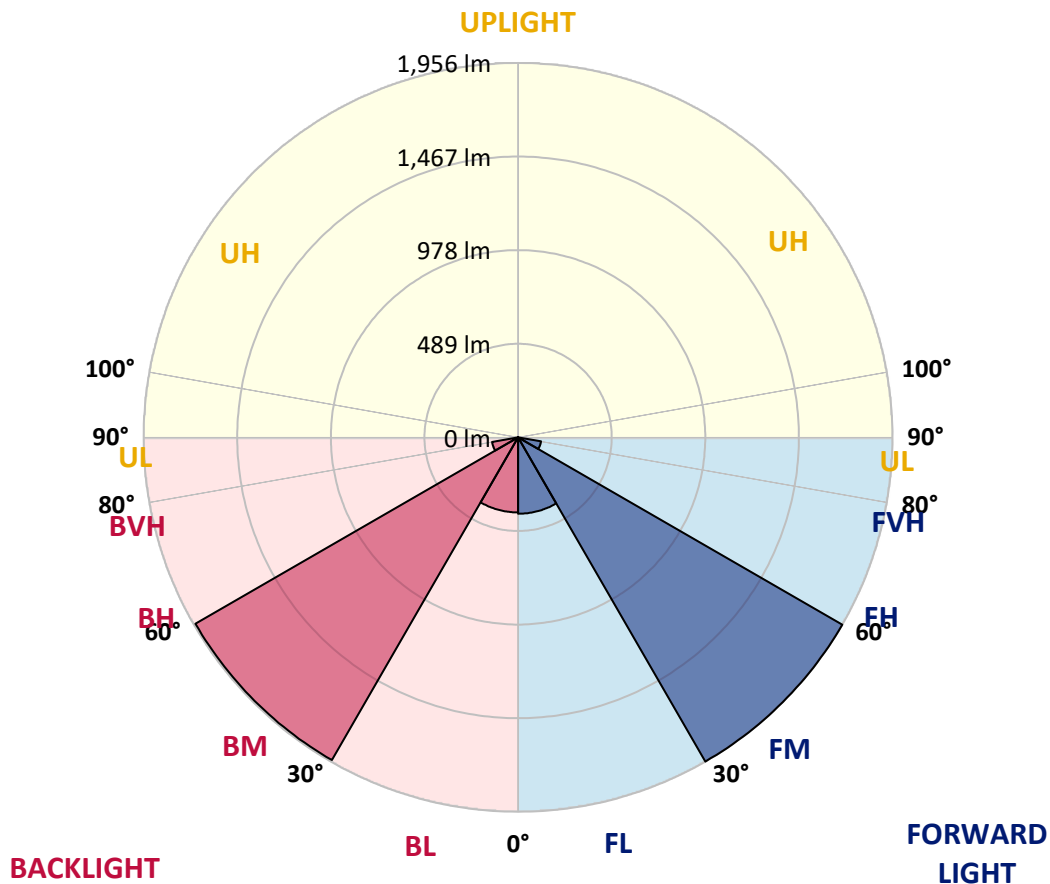
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.2	8.1			
FM (30°-60°)	1956.4	39.5			
FH (60°-80°)	121.8	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	392.2	7.9	B1/500		
BM (30°-60°)	1946.9	39.3	B2/2500		
BH (60°-80°)	138.1	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			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°	43°	45°	55°	65°	75°	85°
0°	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8
2.5°	691.6	693.2	695.4	697.6	700.4	703.1	704.8	709.7	708.6	713.0	713.0
5°	683.9	685.6	688.3	693.2	699.3	705.3	709.7	719.6	725.0	733.8	737.1
7.5°	687.8	690.0	693.2	700.9	710.2	719.6	724.5	740.4	751.3	767.8	777.1
10°	700.4	702.6	708.0	721.2	733.3	746.4	752.4	772.7	790.2	812.7	825.9
12.5°	714.6	717.4	728.3	748.0	768.9	786.4	794.6	817.1	835.2	860.4	881.2
15°	729.4	733.8	750.8	779.8	809.4	833.0	841.8	865.9	884.0	910.8	934.4
17.5°	763.9	768.9	788.1	819.3	859.8	887.2	894.9	920.1	933.8	951.9	976.6
20°	807.2	816.6	840.1	877.9	922.3	948.6	954.1	978.8	977.7	985.3	1006.7
22.5°	860.9	867.5	893.3	938.2	988.1	1017.1	1029.7	1040.1	1026.4	1019.9	1033.6
25°	916.8	924.5	952.5	1001.8	1057.7	1091.1	1101.5	1109.7	1087.8	1063.2	1064.8
27.5°	989.2	994.7	1022.1	1074.7	1130.6	1168.4	1177.7	1191.9	1162.9	1123.4	1112.5
30°	1075.2	1080.7	1109.7	1165.1	1220.4	1252.8	1267.0	1284.6	1252.8	1203.5	1190.9
32.5°	1176.1	1181.5	1218.8	1275.8	1321.3	1356.4	1370.1	1388.7	1363.5	1308.1	1293.9
35°	1296.6	1299.9	1343.7	1405.7	1453.9	1487.9	1497.2	1519.1	1491.2	1435.8	1428.1
37.5°	1436.4	1440.2	1487.9	1559.7	1609.0	1646.8	1661.6	1667.6	1633.7	1571.7	1565.7
40°	1589.8	1602.4	1649.0	1726.3	1781.6	1829.3	1842.4	1822.2	1774.5	1690.1	1679.1
42.5°	1749.8	1760.8	1812.9	1896.7	1960.8	2009.6	2010.1	1966.3	1885.2	1768.5	1752.0
45°	1883.0	1887.4	1954.8	2039.2	2118.1	2152.6	2155.9	2076.5	1954.2	1814.0	1778.9
47.5°	1974.5	1981.6	2040.3	2121.4	2208.5	2239.8	2233.2	2134.0	1987.1	1843.5	1785.5
50°	1975.6	1987.7	2051.2	2129.6	2214.0	2251.8	2242.5	2150.4	2005.8	1844.6	1769.6
52.5°	1800.8	1820.5	1924.1	2037.5	2166.9	2231.5	2233.7	2171.8	1998.6	1827.1	1755.3
55°	1358.5	1379.9	1510.3	1703.8	1953.7	2134.0	2165.2	2146.6	1990.4	1834.8	1780.5
57.5°	719.0	702.6	774.9	966.7	1280.7	1599.7	1691.2	1840.3	1898.9	1844.1	1827.1
60°	156.7	167.1	222.5	299.8	499.8	752.4	841.8	1097.1	1400.7	1535.6	1633.1
62.5°	67.4	66.3	69.1	78.4	114.5	190.7	232.9	380.3	600.1	824.2	976.0
65°	55.4	55.9	58.1	58.1	54.3	54.8	57.5	87.1	140.3	196.7	264.1
67.5°	41.6	42.2	46.0	47.1	44.4	39.5	38.9	32.9	34.5	43.3	44.9
70°	26.3	26.3	28.5	29.6	29.6	27.4	26.9	23.6	23.0	26.3	29.6
72.5°	14.2	14.2	15.3	15.9	15.3	14.8	14.8	14.2	13.7	15.9	20.3
75°	6.0	6.0	6.6	6.6	6.0	6.0	6.0	6.0	6.0	7.1	11.0
77.5°	1.1	1.6	2.2	1.6	1.1	1.1	1.1	1.6	1.6	2.2	3.3
80°	0.5	0.5	1.1	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8
2.5°	716.8	710.8	713.0	714.1	712.4	711.3	705.3	703.7	700.9	696.5	695.4
5°	740.9	736.0	735.4	732.2	724.5	715.2	703.7	698.7	693.2	687.8	686.7
7.5°	781.5	775.5	771.6	760.7	743.1	728.3	709.1	698.7	691.6	684.5	682.8
10°	833.5	826.4	815.5	795.2	771.6	750.2	727.8	714.1	703.1	693.2	692.7
12.5°	888.9	881.2	861.5	835.7	807.2	787.5	759.0	739.8	723.4	708.6	706.9
15°	947.0	937.7	910.8	880.1	853.8	833.5	802.3	771.6	746.4	725.0	722.8
17.5°	991.4	979.9	948.1	925.1	903.7	882.9	847.8	807.2	773.8	748.0	742.0
20°	1019.3	1008.4	978.2	965.6	955.8	941.0	899.3	857.1	819.8	788.1	782.6
22.5°	1046.2	1033.0	1006.7	1006.7	1014.4	1008.4	963.4	915.2	871.4	834.6	826.4
25°	1076.3	1065.9	1047.3	1062.6	1081.8	1081.2	1035.2	974.9	924.5	883.4	875.2
27.5°	1120.2	1109.7	1103.2	1132.2	1156.3	1154.7	1104.3	1039.0	985.9	945.3	937.7
30°	1197.4	1187.6	1180.4	1215.5	1246.2	1234.7	1179.3	1116.3	1062.6	1016.6	1011.1
32.5°	1300.5	1290.0	1280.7	1315.8	1343.2	1328.4	1275.8	1216.6	1154.7	1109.7	1098.8
35°	1435.8	1413.9	1404.6	1446.2	1457.7	1441.3	1390.9	1338.8	1273.1	1221.5	1214.4
37.5°	1575.6	1549.8	1543.2	1579.4	1598.0	1592.0	1532.8	1478.6	1407.3	1350.3	1342.1
40°	1695.0	1671.5	1660.0	1716.4	1758.6	1762.4	1709.3	1643.0	1559.1	1499.9	1485.1
42.5°	1765.2	1744.9	1742.2	1829.8	1898.9	1948.2	1884.6	1816.1	1727.9	1661.1	1649.0
45°	1781.1	1767.9	1790.9	1906.0	2013.4	2103.3	2049.1	1976.7	1881.4	1810.7	1799.2
47.5°	1779.4	1775.0	1816.1	1945.5	2081.4	2192.1	2165.2	2083.6	1991.5	1917.5	1906.6
50°	1755.9	1756.4	1824.9	1965.2	2108.8	2216.2	2189.3	2113.7	2031.5	1958.6	1949.9
52.5°	1746.5	1743.3	1808.5	1959.2	2136.7	2205.2	2145.0	2060.0	1968.5	1878.6	1865.5
55°	1779.4	1771.2	1810.7	1954.2	2140.0	2199.2	2040.3	1856.2	1668.7	1562.4	1553.6
57.5°	1828.7	1820.0	1838.6	1918.1	1968.5	1828.7	1501.6	1204.6	1011.6	930.0	894.4
60°	1633.1	1627.1	1612.8	1516.9	1301.0	981.5	668.6	426.4	306.3	247.7	247.7
62.5°	1013.3	1005.1	927.8	689.4	500.9	289.9	159.5	99.7	75.6	70.7	70.1
65°	284.4	282.8	234.0	165.5	105.2	65.2	57.5	58.6	57.5	55.9	55.4
67.5°	42.7	47.1	47.1	38.4	36.7	41.1	48.2	51.5	48.8	46.0	44.9
70°	27.4	29.6	28.5	24.7	26.3	30.7	34.5	35.1	33.4	30.7	30.1
72.5°	19.2	21.4	17.5	15.9	16.4	18.1	19.7	19.7	19.2	18.1	17.0
75°	11.5	11.5	8.2	7.7	7.7	8.2	8.2	9.3	9.3	8.8	8.2
77.5°	3.8	4.4	2.7	2.2	2.2	2.2	2.7	3.3	3.3	2.7	2.2
80°	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)