

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: P630334

Luminaire Tested: GWS-SA1D-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630334  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-740-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR 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: 5078.1 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
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

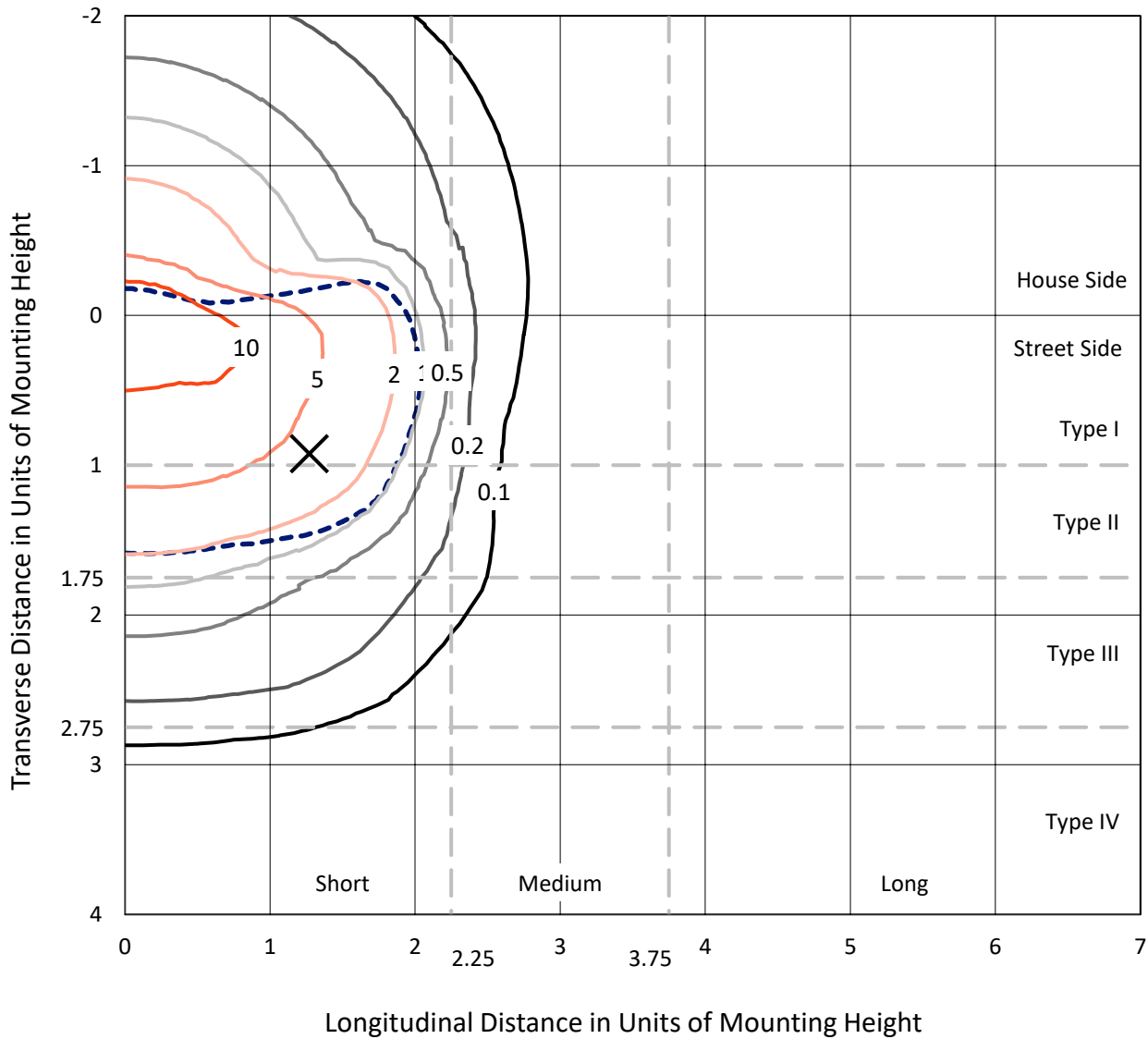


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### Iso-Footcandle Lines of Horizontal Illumination

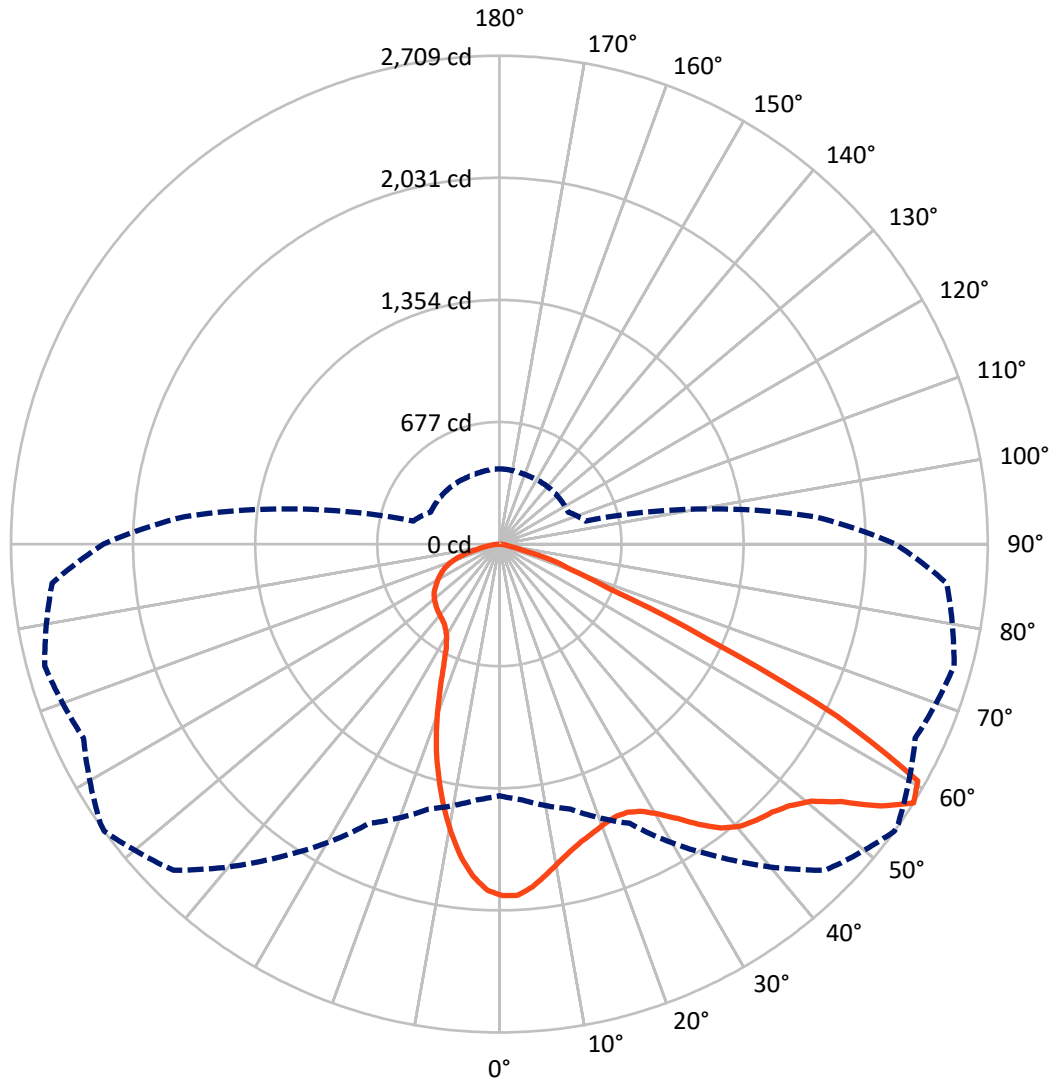
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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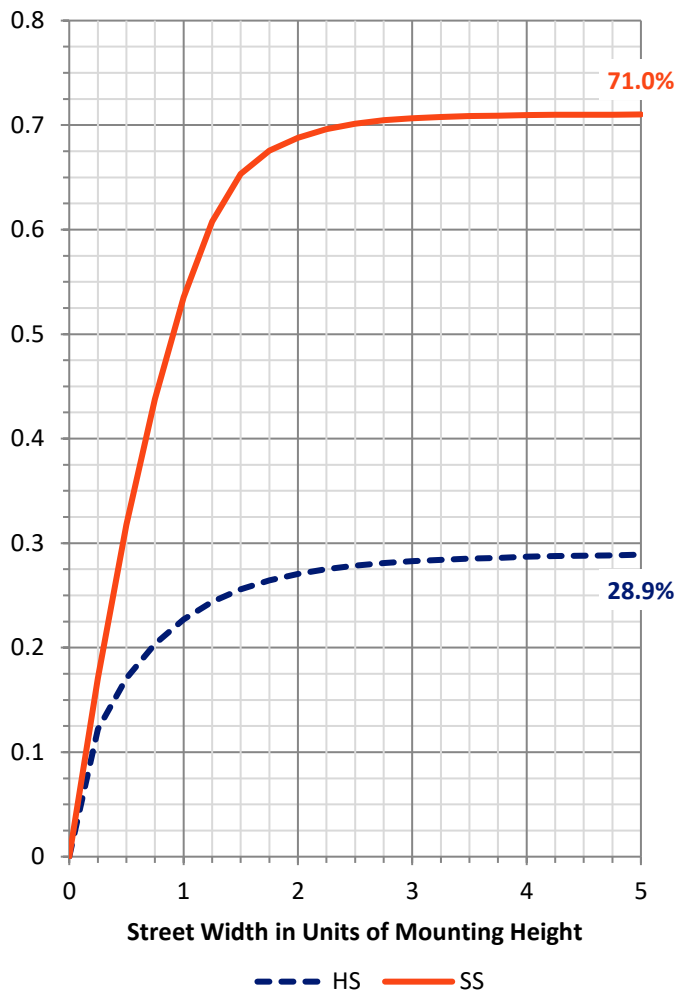
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1476.3	0.0	1476.3
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	3601.8	0.0	3601.8
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	5078.1	0.0	5078.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.4	3.4
10°-20°	408.9	8.1
20°-30°	565.9	11.1
30°-40°	786.3	15.5
40°-50°	1038.4	20.4
50°-60°	1234.0	24.3
60°-70°	683.7	13.5
70°-80°	170.2	3.4
80°-90°	19.4	0.4
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°	5078.1	100.0
0°-180°	5078.1	100.0

**Coefficient of Utilization**



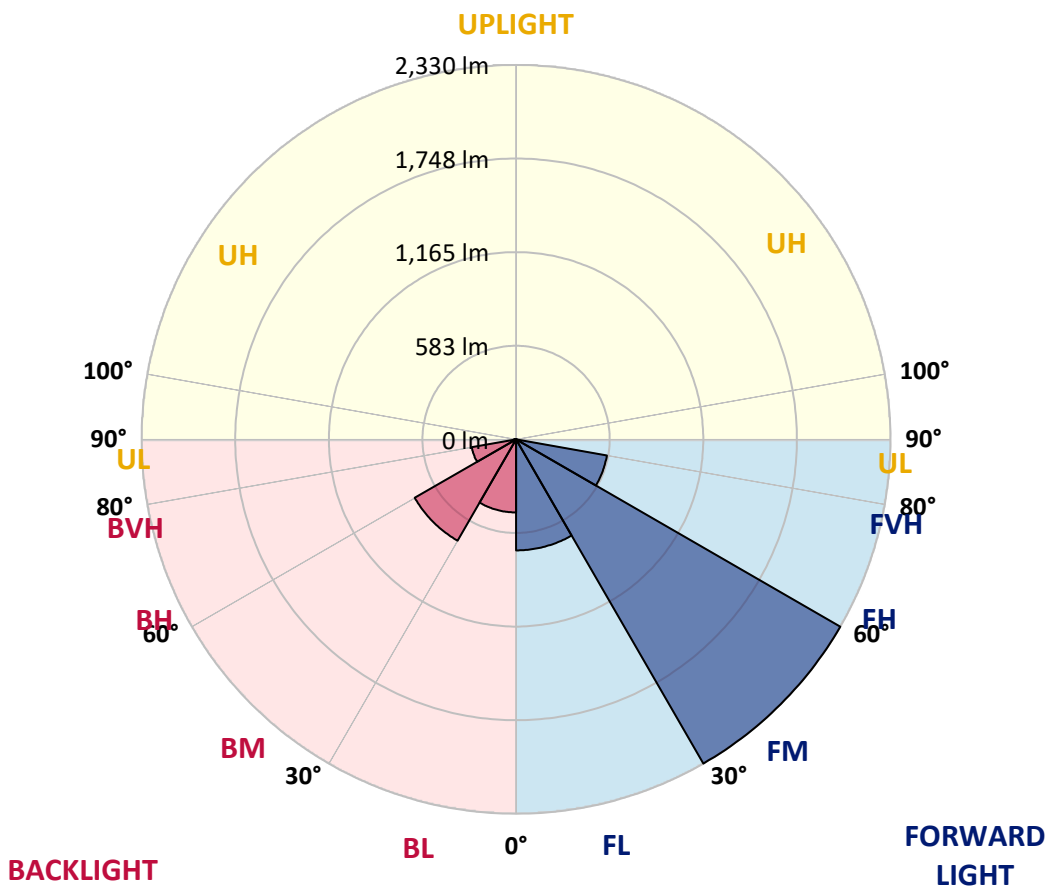
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.2	13.6			
FM (30°-60°)	2330.4	45.9			
FH (60°-80°)	574.1	11.3			G0/660
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	454.9	9.0	B1/500		
BM (30°-60°)	728.3	14.3	B1/1000		
BH (60°-80°)	279.8	5.5	B1/500		G1/500
BVH (80°-90°)	13.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6
2.5°	1913.1	1917.0	1919.6	1928.7	1936.6	1943.5	1950.9	1950.9	1950.5	1949.2	1946.6
5°	1837.4	1841.8	1847.9	1860.5	1877.4	1889.6	1909.6	1911.3	1920.0	1923.5	1921.8
7.5°	1749.6	1750.9	1758.8	1775.3	1802.2	1824.0	1852.7	1856.1	1877.0	1889.2	1887.0
10°	1653.6	1649.2	1663.1	1687.5	1722.7	1759.2	1796.2	1799.2	1832.7	1855.7	1854.0
12.5°	1565.8	1566.2	1580.1	1609.7	1653.6	1698.8	1748.3	1755.3	1796.6	1826.1	1823.1
15°	1492.3	1494.0	1511.0	1544.5	1594.5	1648.4	1710.1	1716.6	1768.8	1807.9	1799.2
17.5°	1433.6	1435.4	1450.1	1488.4	1541.9	1607.1	1682.3	1688.8	1753.6	1800.1	1782.2
20°	1393.2	1392.3	1406.7	1443.2	1498.4	1569.2	1657.9	1667.5	1748.8	1803.1	1770.9
22.5°	1376.7	1376.2	1386.7	1416.7	1468.4	1540.1	1643.1	1656.2	1754.0	1816.6	1764.0
25°	1384.9	1383.2	1392.3	1414.5	1455.8	1528.8	1647.5	1661.4	1776.2	1844.4	1765.3
27.5°	1410.6	1408.4	1416.2	1436.2	1467.5	1540.6	1677.9	1694.0	1823.1	1895.3	1782.7
30°	1449.7	1448.4	1456.2	1475.3	1502.7	1579.7	1736.2	1754.4	1895.7	1974.4	1820.5
32.5°	1495.3	1493.2	1507.1	1529.2	1561.0	1651.0	1814.4	1838.3	1981.8	2076.1	1884.0
35°	1546.6	1544.9	1564.0	1596.2	1641.8	1750.1	1909.2	1935.3	2069.6	2191.3	1968.3
37.5°	1596.6	1596.6	1633.6	1681.4	1738.8	1857.9	1998.3	2014.8	2130.4	2293.4	2058.7
40°	1641.0	1643.6	1699.2	1770.9	1844.0	1955.2	2057.0	2070.9	2157.4	2363.9	2137.4
42.5°	1690.1	1692.3	1757.0	1850.9	1937.9	2033.9	2092.6	2099.6	2162.6	2399.1	2193.0
45°	1729.2	1732.3	1812.7	1913.1	2019.6	2093.0	2120.9	2127.0	2170.0	2418.2	2233.5
47.5°	1749.6	1754.0	1846.1	1963.1	2074.8	2146.1	2167.4	2170.0	2200.4	2451.7	2282.1
50°	1746.2	1754.9	1858.7	1987.9	2115.7	2199.5	2242.1	2246.5	2262.6	2500.8	2339.1
52.5°	1777.0	1780.9	1885.7	2017.4	2173.9	2298.2	2372.1	2378.2	2370.8	2537.7	2373.0
55°	1725.7	1744.4	1852.2	2013.1	2262.6	2450.8	2564.7	2561.6	2469.1	2579.0	2429.5
57.5°	1395.8	1423.2	1521.9	1708.8	2116.5	2557.7	2708.6	2701.2	2545.1	2610.8	2490.8
60°	966.3	970.7	1059.8	1192.4	1633.6	2259.5	2666.4	2682.5	2559.0	2570.8	2377.3
62.5°	772.9	771.6	779.8	783.3	1038.9	1588.4	2104.8	2163.5	2126.1	2003.1	1684.9
65°	659.9	664.6	689.0	676.4	678.1	894.6	1257.6	1265.8	1239.7	1195.4	891.1
67.5°	516.4	524.7	567.7	616.8	601.2	576.0	652.5	648.6	511.2	395.6	326.9
70°	323.4	328.6	374.7	484.2	523.4	472.9	419.5	417.7	273.9	225.2	246.9
72.5°	188.7	189.5	202.6	269.9	347.3	323.4	308.6	297.3	176.1	179.5	196.9
75°	103.9	103.9	103.5	116.5	136.9	121.3	117.4	114.3	117.8	133.5	146.5
77.5°	21.7	22.2	23.5	30.9	40.0	48.7	61.3	61.7	76.9	89.1	99.5
80°	10.0	10.4	13.0	16.5	21.3	28.3	37.4	37.8	46.5	56.1	63.0
82.5°	5.2	5.7	7.0	8.7	11.3	14.8	20.9	20.9	27.8	33.0	37.4
85°	1.7	1.7	2.6	3.5	4.8	6.1	8.3	8.3	12.2	16.1	18.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.7	1.7	2.2	2.6	4.3
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°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6
2.5°	1940.9	1927.4	1927.9	1930.5	1922.2	1909.6	1901.3	1890.9	1884.4	1883.1	1887.9
5°	1913.1	1897.4	1886.6	1875.3	1851.8	1824.0	1802.2	1784.4	1772.7	1768.3	1763.1
7.5°	1874.8	1854.4	1827.0	1795.3	1752.7	1703.1	1668.4	1635.7	1613.1	1606.6	1603.6
10°	1836.6	1807.0	1758.3	1699.2	1628.4	1561.4	1498.4	1450.1	1411.9	1390.1	1397.1
12.5°	1797.0	1760.5	1684.4	1593.6	1494.9	1394.1	1311.5	1231.5	1169.8	1138.9	1129.8
15°	1762.2	1712.7	1606.6	1483.6	1352.3	1225.4	1105.9	985.9	907.6	865.0	853.3
17.5°	1732.7	1668.4	1524.5	1371.5	1214.5	1033.7	886.8	775.5	722.0	698.6	696.8
20°	1703.6	1624.9	1443.2	1250.6	1055.4	852.9	721.6	669.4	650.3	642.0	641.6
22.5°	1677.5	1579.2	1357.5	1129.8	897.2	716.8	644.6	622.0	616.8	616.8	616.0
25°	1655.3	1533.6	1269.7	1001.5	754.2	638.1	604.7	595.1	597.3	601.2	601.6
27.5°	1646.2	1498.0	1185.0	869.8	655.5	592.5	577.3	576.0	582.1	588.1	589.0
30°	1655.7	1473.6	1098.0	743.8	596.4	564.7	557.7	560.3	567.7	573.8	573.8
32.5°	1685.3	1461.4	1009.4	651.6	562.1	545.1	542.9	545.5	551.2	554.7	555.1
35°	1735.3	1466.2	917.6	589.4	539.9	530.8	530.3	532.1	534.2	536.4	536.8
37.5°	1798.3	1487.5	819.4	553.4	525.5	520.3	519.5	519.0	519.5	519.5	519.9
40°	1860.1	1519.7	731.6	532.1	515.5	511.2	509.0	506.0	505.5	504.7	504.2
42.5°	1905.7	1544.5	661.6	516.8	506.4	501.2	498.6	493.8	493.4	492.9	492.5
45°	1940.0	1565.3	603.4	502.1	496.9	492.1	486.4	482.1	482.9	483.8	483.8
47.5°	1978.7	1583.6	560.8	488.2	485.1	480.3	473.4	470.3	473.4	476.4	476.4
50°	2025.7	1609.2	526.0	474.3	472.9	467.3	461.2	459.9	463.4	467.7	467.7
52.5°	2060.0	1631.4	501.2	460.3	460.3	453.0	447.7	447.3	451.2	455.6	456.0
55°	2124.3	1683.1	492.5	444.3	442.5	436.9	433.0	429.9	434.7	438.6	438.6
57.5°	2196.9	1751.8	494.7	421.2	419.0	417.3	414.3	410.8	412.1	416.4	416.9
60°	2043.1	1618.8	470.8	398.2	396.9	396.0	392.1	386.0	387.7	391.2	391.7
62.5°	1427.1	1075.9	380.8	369.5	373.8	373.4	368.2	361.2	361.7	366.4	366.4
65°	740.7	582.1	334.3	343.4	349.9	347.3	338.6	332.5	331.7	337.8	336.5
67.5°	319.5	317.8	304.3	316.0	323.0	317.3	308.2	298.2	299.1	301.2	299.5
70°	257.3	265.2	270.8	283.4	289.1	278.6	268.6	263.0	258.2	257.8	254.7
72.5°	205.6	216.5	229.1	242.1	243.9	233.4	220.8	215.6	208.2	207.8	204.7
75°	154.8	163.9	173.9	184.3	184.3	174.3	166.1	163.4	154.8	152.1	149.5
77.5°	105.6	111.3	119.1	121.7	124.3	120.4	112.2	107.8	97.8	95.2	91.7
80°	66.5	70.4	75.2	76.9	79.5	74.8	68.2	63.5	56.5	54.3	52.6
82.5°	40.0	42.6	45.6	46.5	48.7	45.2	39.1	35.6	31.7	30.0	28.7
85°	20.4	21.7	23.5	23.9	23.5	20.0	17.8	16.1	13.5	13.0	12.2
87.5°	5.2	6.1	6.5	6.1	5.7	4.3	3.0	2.2	0.9	0.9	0.4
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)