

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P671395

Luminaire Tested: **CCP-SA-1F-740-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671395
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-740-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ SL3 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

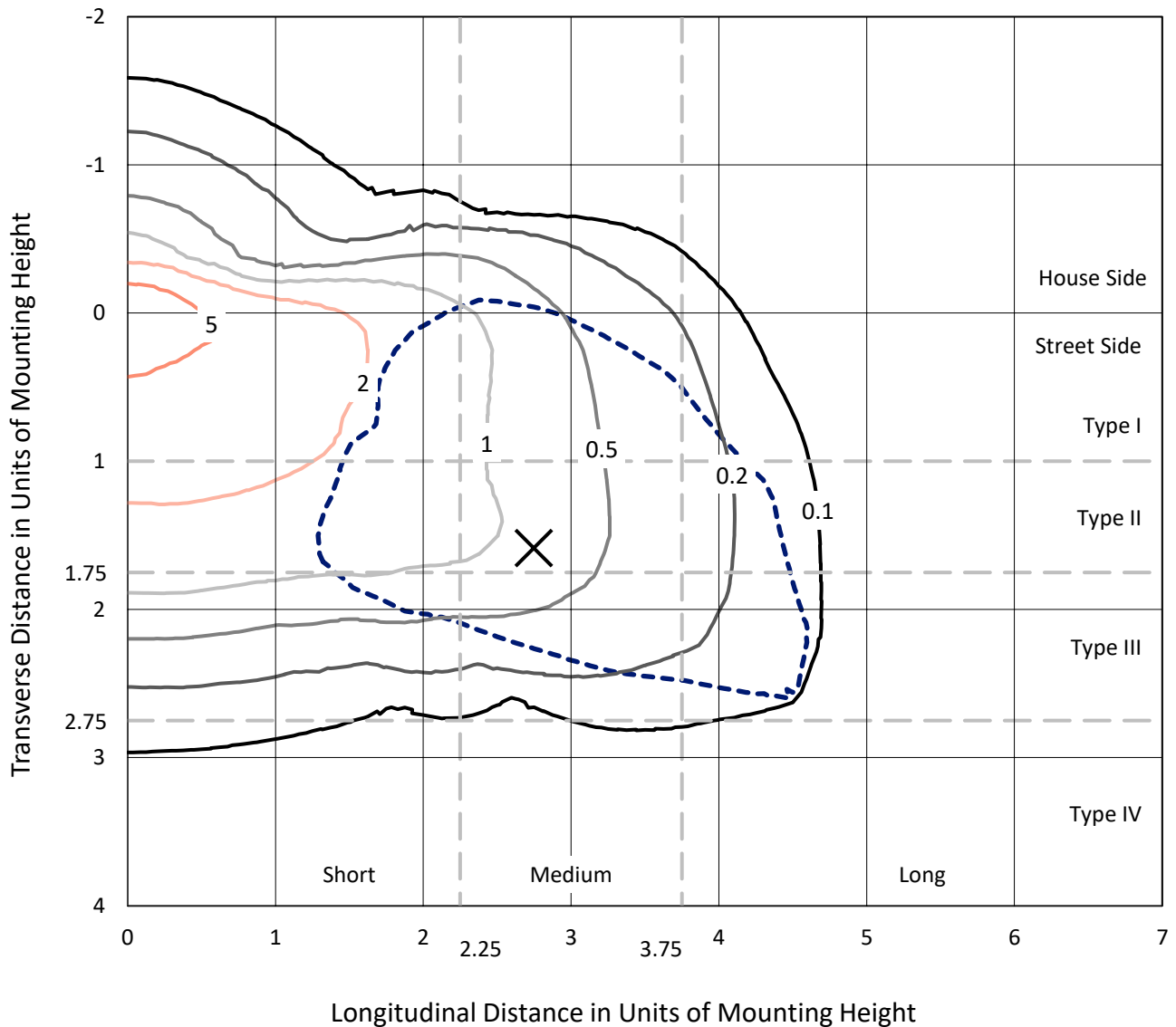
Lumens per Lamp: N/A
Luminaire Lumens: 7413.2 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

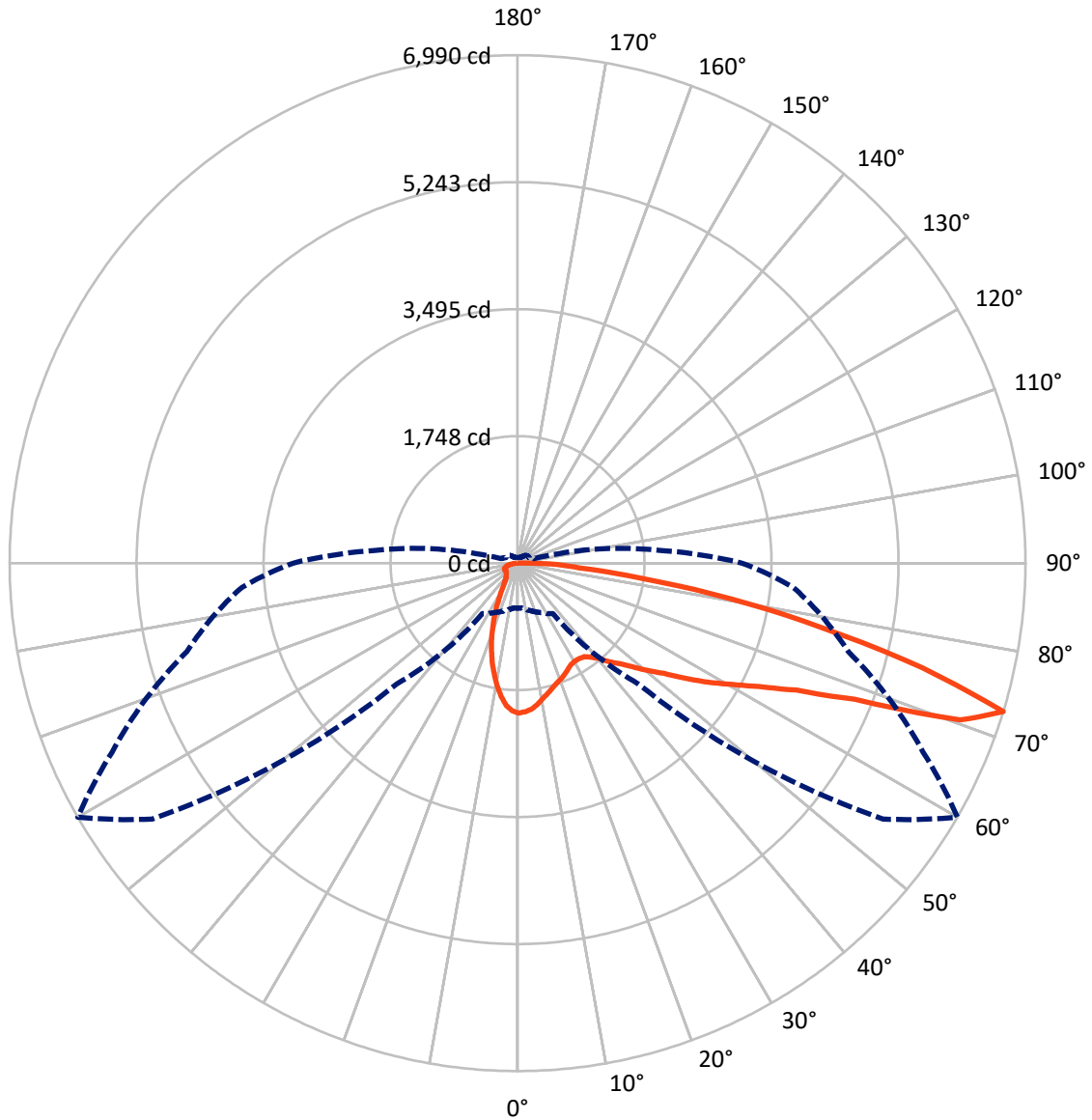
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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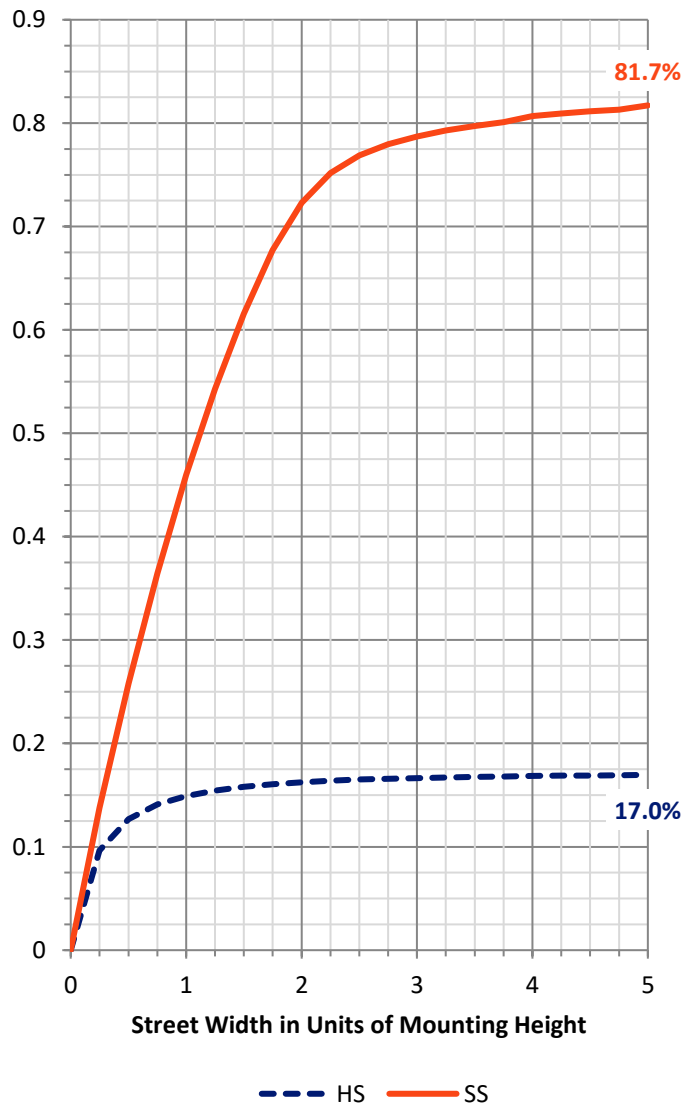
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1273.5	0.0	1273.5
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	6139.8	0.0	6139.8
	% Fixture	82.8	0.0	82.8
Total	Lumens	7413.2	0.0	7413.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.9	2.4
10°-20°	405.7	5.5
20°-30°	519.2	7.0
30°-40°	664.3	9.0
40°-50°	911.0	12.3
50°-60°	1317.7	17.8
60°-70°	1807.7	24.4
70°-80°	1356.5	18.3
80°-90°	252.1	3.4
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°	7413.2	100.0
0°-180°	7413.2	100.0



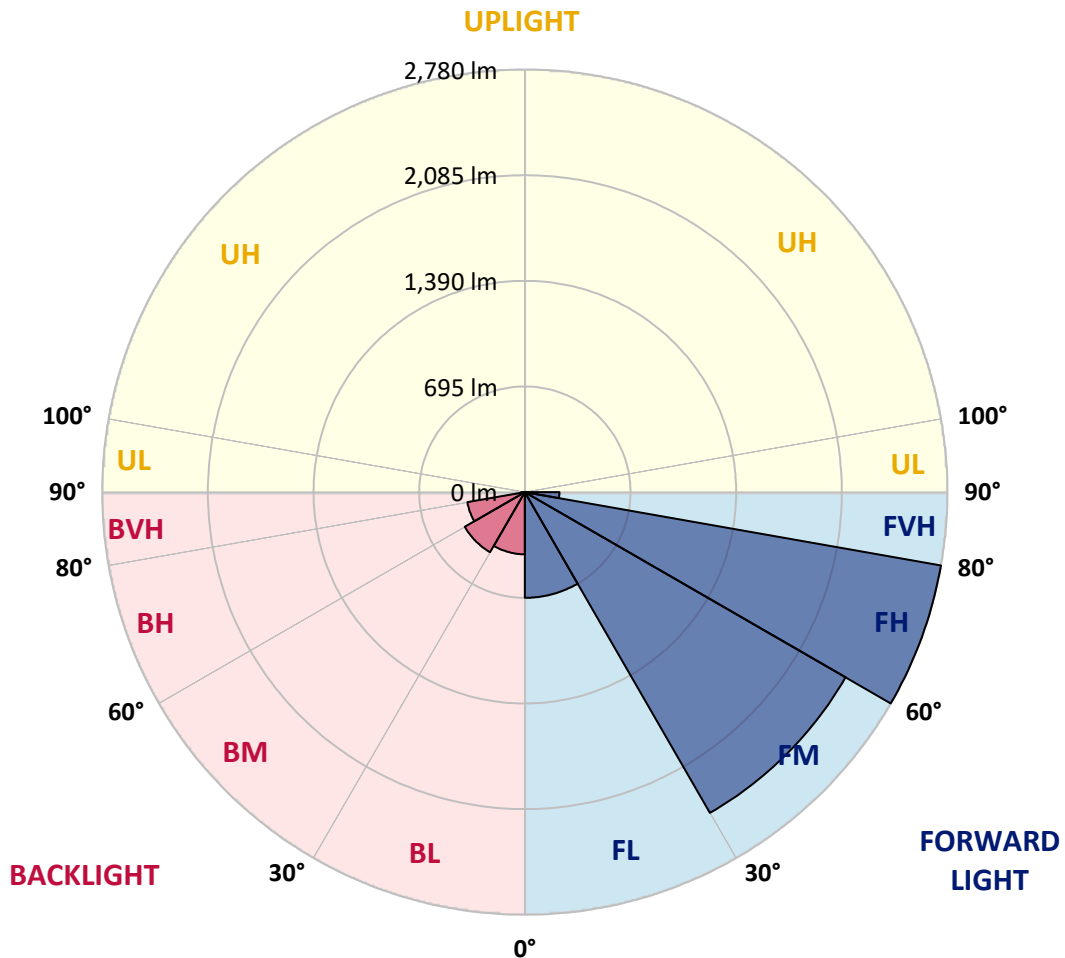
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	695.1	9.4			
FM (30°-60°)	2436.7	32.9			
FH (60°-80°)	2780.4	37.5			G2/5000
FVH (80°-90°)	227.6	3.1			G3/500
BL (0°-30°)	408.8	5.5	B1/500		
BM (30°-60°)	456.4	6.2	B1/1000		
BH (60°-80°)	383.7	5.2	B1/500		G1/500
BVH (80°-90°)	24.6	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2020.1	2039.4	2044.9	2044.9	2061.5	2042.1	2069.7	2047.7	2053.2	2061.5	2055.9
5°	1923.5	1956.6	1937.3	1973.2	1959.4	1984.2	2017.3	2017.3	2009.0	2025.6	2011.8
7.5°	1829.7	1818.6	1851.7	1851.7	1873.8	1906.9	1934.5	1962.1	1964.9	1970.4	1967.6
10°	1702.7	1716.5	1733.1	1755.1	1782.7	1815.9	1873.8	1895.9	1901.4	1934.5	1926.2
12.5°	1597.8	1617.2	1628.2	1672.4	1697.2	1744.1	1810.3	1840.7	1843.5	1890.4	1890.4
15°	1520.6	1531.6	1556.4	1573.0	1628.2	1694.4	1757.9	1785.5	1815.9	1865.5	1851.7
17.5°	1468.1	1481.9	1493.0	1515.1	1567.5	1622.7	1722.0	1738.6	1774.5	1846.2	1829.7
20°	1437.8	1440.5	1457.1	1470.9	1517.8	1570.2	1658.6	1702.7	1749.6	1813.1	1796.5
22.5°	1443.3	1432.3	1429.5	1448.8	1457.1	1506.8	1614.4	1661.3	1727.5	1802.1	1774.5
25°	1454.3	1457.1	1451.6	1435.0	1437.8	1481.9	1553.7	1614.4	1688.9	1799.3	1744.1
27.5°	1481.9	1495.7	1473.7	1457.1	1440.5	1457.1	1531.6	1575.8	1658.6	1813.1	1741.3
30°	1509.5	1523.3	1517.8	1493.0	1459.9	1454.3	1506.8	1562.0	1642.0	1824.1	1741.3
32.5°	1550.9	1570.2	1550.9	1559.2	1520.6	1495.7	1515.1	1564.7	1658.6	1862.8	1744.1
35°	1597.8	1614.4	1619.9	1600.6	1592.3	1545.4	1556.4	1581.3	1675.1	1906.9	1771.7
37.5°	1650.3	1669.6	1686.2	1688.9	1661.3	1633.7	1628.2	1642.0	1716.5	1984.2	1802.1
40°	1686.2	1697.2	1730.3	1757.9	1766.2	1727.5	1724.8	1724.8	1791.0	2053.2	1857.2
42.5°	1746.9	1741.3	1788.3	1837.9	1851.7	1829.7	1835.2	1857.2	1895.9	2152.5	1945.6
45°	1777.2	1771.7	1826.9	1909.7	1973.2	1962.1	1967.6	1975.9	2011.8	2309.8	2094.6
47.5°	1818.6	1824.1	1904.2	1998.0	2064.2	2102.9	2133.2	2130.5	2158.1	2469.9	2260.2
50°	1860.0	1871.0	1967.6	2067.0	2182.9	2249.1	2293.3	2323.6	2351.2	2638.2	2450.6
52.5°	1940.0	1951.1	2058.7	2166.3	2315.4	2411.9	2522.3	2519.6	2522.3	2806.6	2641.0
55°	2055.9	2058.7	2122.2	2246.4	2447.8	2624.4	2776.2	2792.8	2745.9	3016.3	2859.0
57.5°	2188.4	2199.4	2254.6	2348.5	2552.7	2828.6	3060.5	3093.6	2966.6	3187.4	3057.7
60°	2312.6	2320.9	2406.4	2514.0	2734.8	3085.3	3347.5	3386.1	3248.1	3397.1	3264.7
62.5°	2171.8	2213.2	2365.0	2610.6	3054.9	3474.4	3711.7	3736.6	3521.3	3609.6	3485.4
65°	1738.6	1766.2	1984.2	2381.6	3077.0	4180.9	4274.7	4208.5	3896.6	3882.8	3819.4
67.5°	968.6	990.7	1139.7	1556.4	2591.3	4445.8	5486.2	5000.5	4478.9	4294.0	4271.9
70°	764.4	769.9	789.3	874.8	1437.8	3918.7	6441.0	6463.1	5431.0	4859.8	4368.5
72.5°	620.9	618.2	676.1	750.6	850.0	2351.2	6140.2	6990.2	6159.6	4710.7	3805.6
75°	474.7	482.9	557.5	665.1	778.2	1106.6	4581.0	5751.1	5770.4	4390.6	3209.5
77.5°	361.5	364.3	447.1	587.8	761.7	781.0	2988.7	4285.7	4305.1	3399.9	1768.9
80°	270.4	270.4	339.4	496.7	742.3	720.3	1840.7	2972.1	2690.7	1194.9	386.4
82.5°	154.5	165.6	226.3	378.1	673.4	692.7	1037.6	1702.7	1137.0	325.6	179.4
85°	82.8	85.5	138.0	253.9	554.7	662.3	792.0	847.2	452.6	173.9	82.8
87.5°	30.4	30.4	63.5	129.7	350.5	491.2	629.2	540.9	259.4	80.0	41.4
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°	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2	2064.2
2.5°	2061.5	2050.4	2042.1	2050.4	2020.1	2006.3	2022.8	2014.5	1998.0	1989.7	1984.2
5°	2020.1	2006.3	1992.5	1984.2	1951.1	1918.0	1901.4	1868.3	1840.7	1849.0	1832.4
7.5°	1975.9	1962.1	1920.7	1882.1	1815.9	1749.6	1719.3	1672.4	1655.8	1642.0	1633.7
10°	1920.7	1895.9	1832.4	1755.1	1658.6	1584.0	1506.8	1451.6	1393.6	1368.8	1377.1
12.5°	1851.7	1837.9	1738.6	1619.9	1484.7	1360.5	1269.4	1181.1	1103.9	1062.5	1051.4
15°	1821.4	1780.0	1636.5	1479.2	1308.1	1153.5	1018.3	863.8	772.7	728.5	728.5
17.5°	1788.3	1711.0	1539.9	1324.6	1128.7	930.0	739.6	598.8	527.1	502.3	502.3
20°	1735.8	1650.3	1426.7	1178.4	941.0	701.0	529.9	452.6	430.5	413.9	416.7
22.5°	1697.2	1592.3	1321.9	1034.9	745.1	521.6	416.7	391.9	383.6	378.1	380.8
25°	1653.0	1523.3	1211.5	880.3	585.0	411.2	361.5	350.5	356.0	358.8	358.8
27.5°	1617.2	1465.4	1098.3	714.8	441.5	347.7	325.6	322.9	333.9	339.4	342.2
30°	1592.3	1412.9	988.0	563.0	353.2	309.1	298.0	298.0	311.8	317.4	320.1
32.5°	1567.5	1368.8	869.3	430.5	300.8	276.0	273.2	276.0	284.2	284.2	287.0
35°	1575.8	1327.4	756.1	347.7	270.4	253.9	253.9	253.9	256.6	259.4	259.4
37.5°	1592.3	1316.4	634.7	292.5	248.4	237.3	237.3	234.6	237.3	234.6	237.3
40°	1608.9	1299.8	524.3	259.4	234.6	226.3	223.5	218.0	215.3	215.3	218.0
42.5°	1677.9	1321.9	430.5	237.3	223.5	218.0	209.7	204.2	201.5	201.5	201.5
45°	1766.2	1363.3	356.0	226.3	215.3	201.5	195.9	193.2	187.7	190.4	193.2
47.5°	1898.6	1426.7	311.8	218.0	207.0	190.4	184.9	179.4	179.4	184.9	184.9
50°	2072.5	1531.6	284.2	209.7	198.7	182.1	173.9	171.1	171.1	179.4	179.4
52.5°	2260.2	1653.0	273.2	207.0	190.4	173.9	165.6	162.8	162.8	173.9	173.9
55°	2447.8	1802.1	281.5	207.0	184.9	165.6	157.3	151.8	154.5	162.8	162.8
57.5°	2654.8	1962.1	322.9	207.0	179.4	162.8	151.8	143.5	146.3	149.0	149.0
60°	2881.1	2171.8	394.6	207.0	176.6	157.3	143.5	132.5	132.5	135.2	135.2
62.5°	3110.1	2378.8	496.7	209.7	179.4	154.5	132.5	121.4	118.7	121.4	121.4
65°	3410.9	2710.0	598.8	209.7	187.7	149.0	124.2	110.4	107.6	107.6	110.4
67.5°	3833.2	2947.3	463.6	201.5	193.2	149.0	115.9	102.1	96.6	96.6	96.6
70°	3609.6	2486.5	295.3	187.7	184.9	154.5	110.4	93.8	88.3	85.5	85.5
72.5°	3090.8	1989.7	237.3	176.6	171.1	151.8	104.9	88.3	80.0	77.3	77.3
75°	2478.2	1570.2	207.0	160.1	149.0	126.9	96.6	80.0	74.5	69.0	69.0
77.5°	1214.2	656.8	157.3	140.7	126.9	96.6	85.5	74.5	66.2	60.7	60.7
80°	303.6	229.1	115.9	110.4	93.8	74.5	69.0	63.5	58.0	52.4	52.4
82.5°	162.8	135.2	82.8	74.5	63.5	52.4	52.4	49.7	46.9	41.4	38.6
85°	82.8	80.0	55.2	49.7	41.4	33.1	35.9	35.9	33.1	24.8	24.8
87.5°	44.2	44.2	27.6	22.1	19.3	16.6	16.6	16.6	13.8	11.0	11.0
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)