

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: P675548

Luminaire Tested: **CCW-SA-1F-735-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675548  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-735-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/  
SL3 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

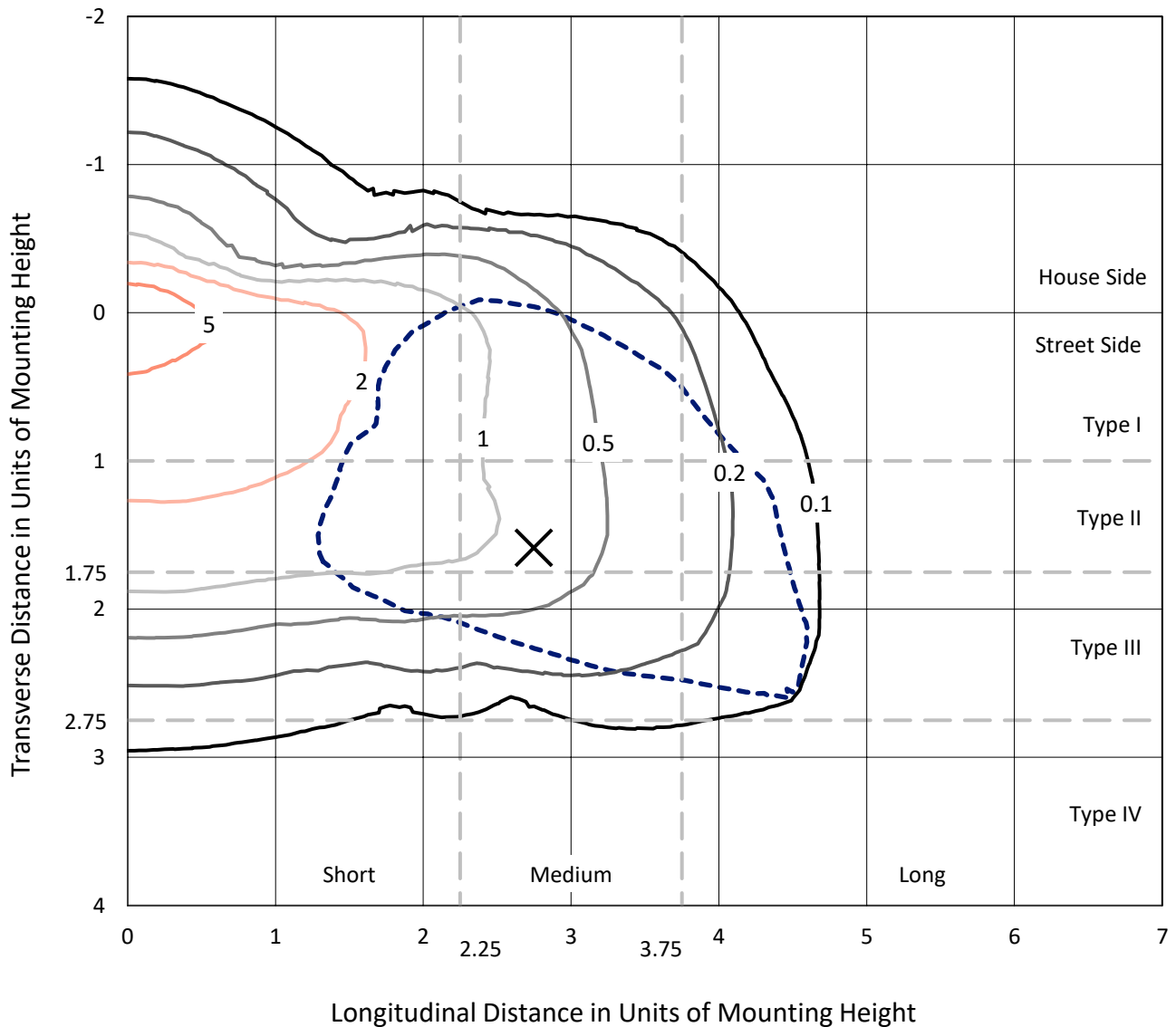
Lumens per Lamp: N/A  
Luminaire Lumens: 7311.7 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

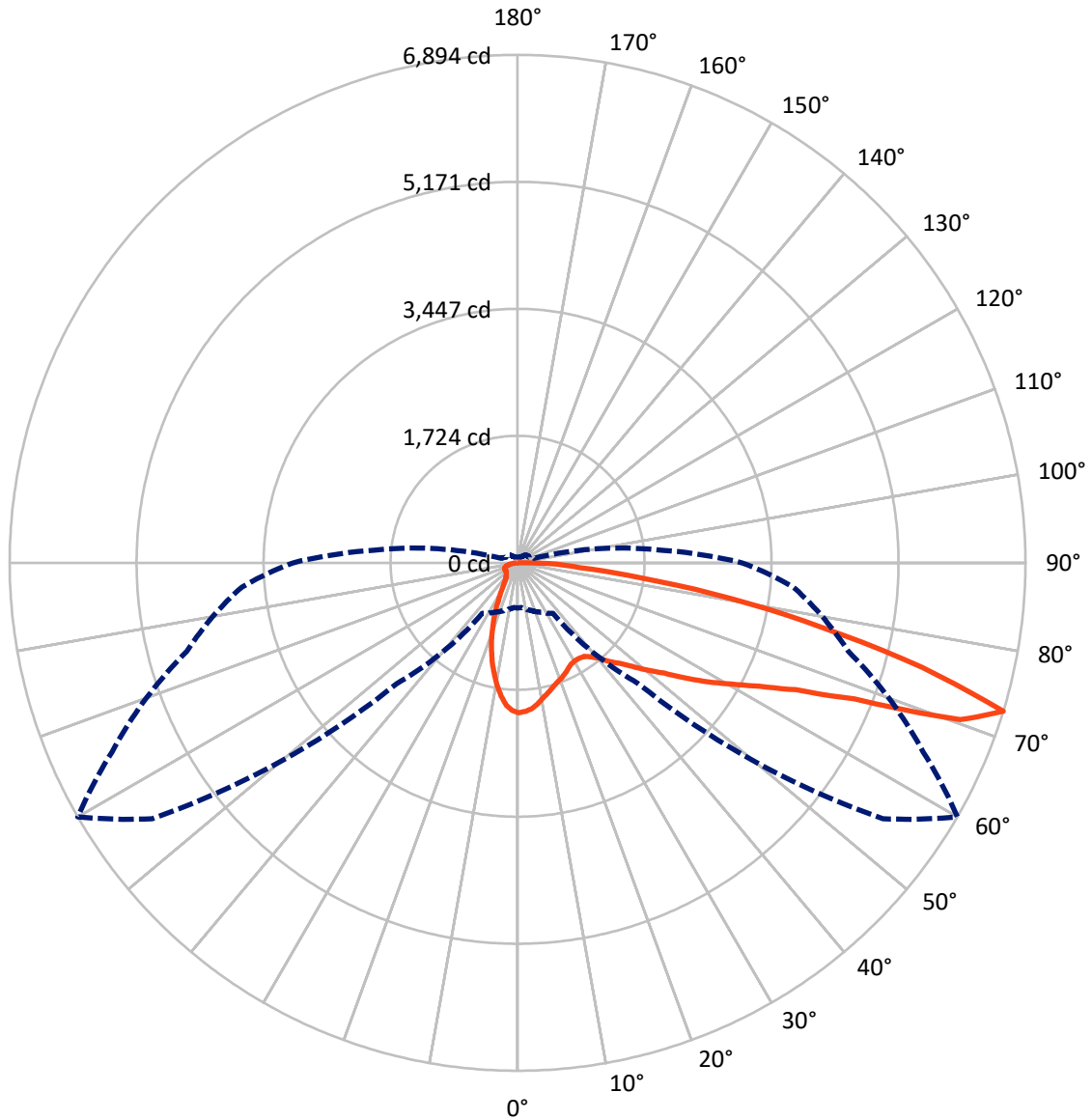
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9 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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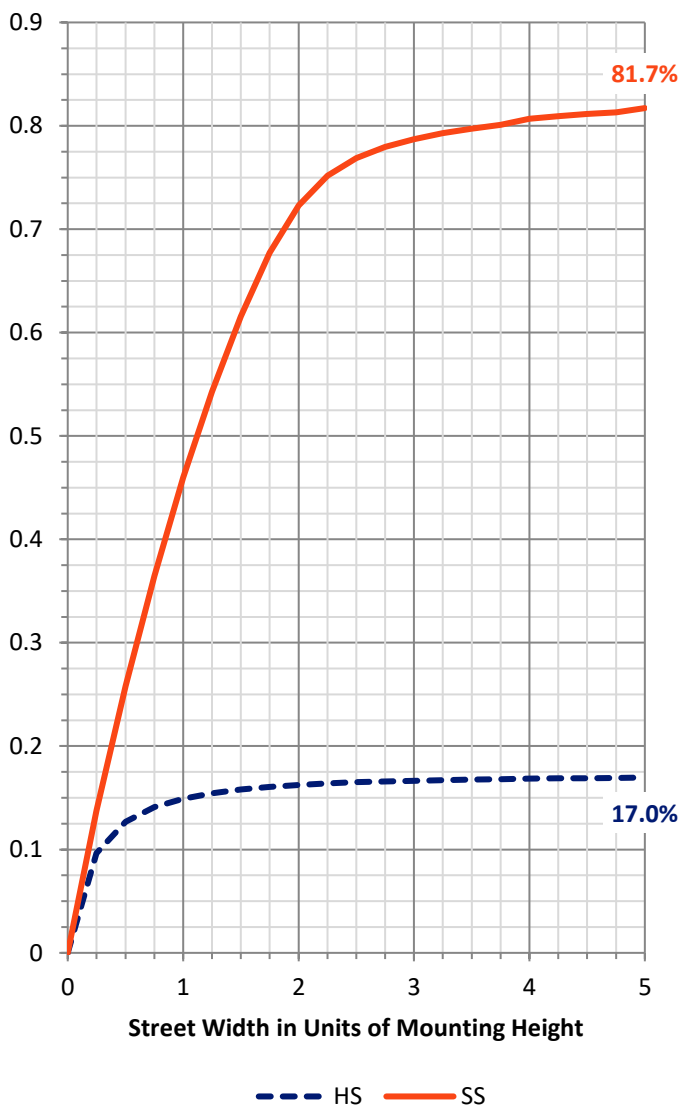
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1256.0	0.0	1256.0
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	6055.7	0.0	6055.7
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	7311.7	0.0	7311.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.5	2.4
10°-20°	400.2	5.5
20°-30°	512.1	7.0
30°-40°	655.2	9.0
40°-50°	898.6	12.3
50°-60°	1299.7	17.8
60°-70°	1782.9	24.4
70°-80°	1337.9	18.3
80°-90°	248.7	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°	7311.7	100.0
0°-180°	7311.7	100.0

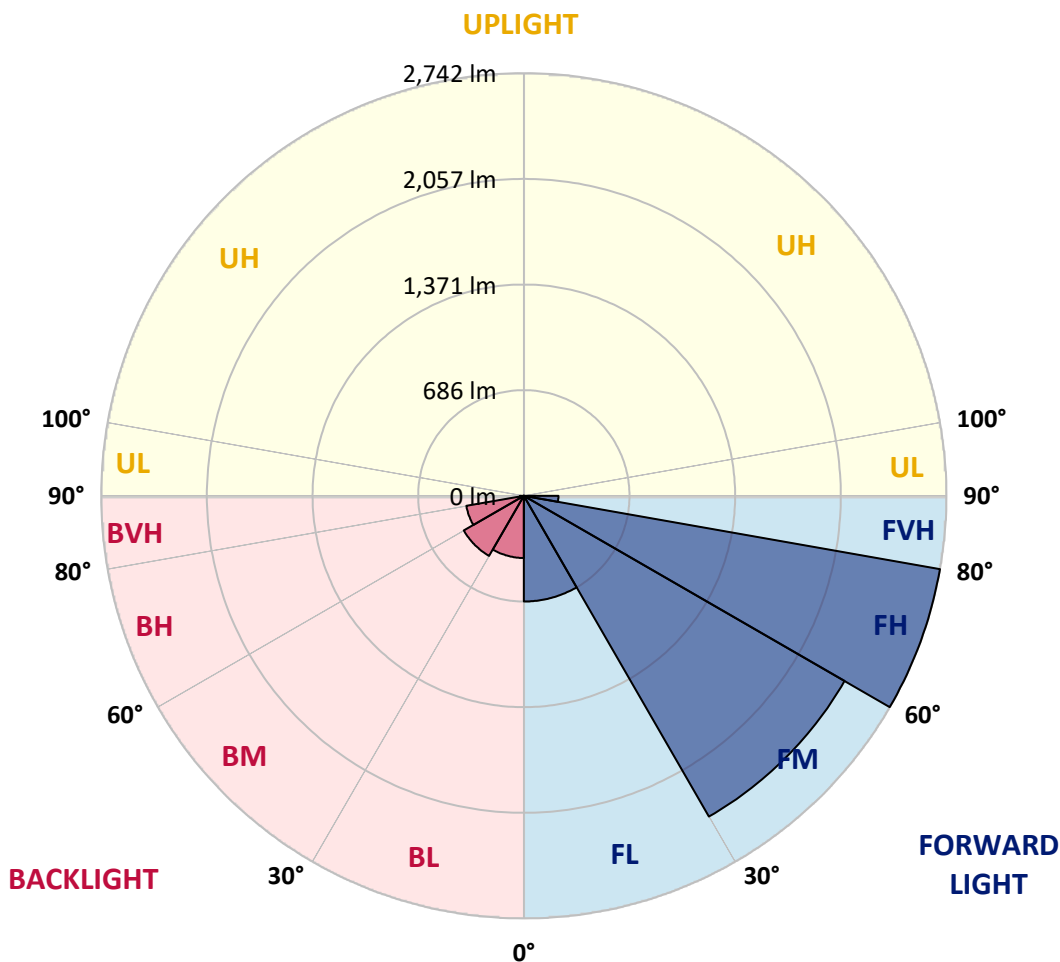


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	685.6	9.4			
FM (30°-60°)	2403.3	32.9			
FH (60°-80°)	2742.3	37.5			G2/5000
FVH (80°-90°)	224.4	3.1			G2/225
BL (0°-30°)	403.2	5.5	B1/500		
BM (30°-60°)	450.1	6.2	B1/1000		
BH (60°-80°)	378.5	5.2	B1/500		G1/500
BVH (80°-90°)	24.2	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-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9
2.5°	1992.4	2011.4	2016.9	2016.9	2033.2	2014.2	2041.4	2019.6	2025.1	2033.2	2027.8
5°	1897.1	1929.8	1910.7	1946.1	1932.5	1957.0	1989.7	1989.7	1981.5	1997.8	1984.2
7.5°	1804.6	1793.7	1826.4	1826.4	1848.1	1880.8	1908.0	1935.2	1938.0	1943.4	1940.7
10°	1679.4	1693.0	1709.3	1731.1	1758.3	1791.0	1848.1	1869.9	1875.4	1908.0	1899.9
12.5°	1576.0	1595.0	1605.9	1649.4	1673.9	1720.2	1785.5	1815.5	1818.2	1864.5	1864.5
15°	1499.7	1510.6	1535.1	1551.5	1605.9	1671.2	1733.8	1761.0	1791.0	1840.0	1826.4
17.5°	1448.0	1461.6	1472.5	1494.3	1546.0	1600.4	1698.4	1714.8	1750.1	1820.9	1804.6
20°	1418.1	1420.8	1437.1	1450.7	1497.0	1548.7	1635.8	1679.4	1725.7	1788.3	1771.9
22.5°	1423.5	1412.6	1409.9	1429.0	1437.1	1486.1	1592.3	1638.6	1703.9	1777.4	1750.1
25°	1434.4	1437.1	1431.7	1415.4	1418.1	1461.6	1532.4	1592.3	1665.8	1774.6	1720.2
27.5°	1461.6	1475.2	1453.5	1437.1	1420.8	1437.1	1510.6	1554.2	1635.8	1788.3	1717.5
30°	1488.9	1502.5	1497.0	1472.5	1439.9	1434.4	1486.1	1540.6	1619.5	1799.1	1717.5
32.5°	1529.7	1548.7	1529.7	1537.8	1499.7	1475.2	1494.3	1543.3	1635.8	1837.2	1720.2
35°	1576.0	1592.3	1597.7	1578.7	1570.5	1524.2	1535.1	1559.6	1652.2	1880.8	1747.4
37.5°	1627.7	1646.7	1663.0	1665.8	1638.6	1611.3	1605.9	1619.5	1693.0	1957.0	1777.4
40°	1663.0	1673.9	1706.6	1733.8	1742.0	1703.9	1701.2	1701.2	1766.5	2025.1	1831.8
42.5°	1722.9	1717.5	1763.8	1812.8	1826.4	1804.6	1810.0	1831.8	1869.9	2123.0	1918.9
45°	1752.9	1747.4	1801.9	1883.5	1946.1	1935.2	1940.7	1948.8	1984.2	2278.2	2065.9
47.5°	1793.7	1799.1	1878.1	1970.6	2035.9	2074.0	2104.0	2101.3	2128.5	2436.1	2229.2
50°	1834.5	1845.4	1940.7	2038.7	2153.0	2218.3	2261.9	2291.8	2319.0	2602.1	2417.0
52.5°	1913.5	1924.3	2030.5	2136.7	2283.6	2378.9	2487.8	2485.0	2487.8	2768.1	2604.8
55°	2027.8	2030.5	2093.1	2215.6	2414.3	2588.5	2738.2	2754.5	2708.2	2975.0	2819.8
57.5°	2158.4	2169.3	2223.8	2316.3	2517.7	2789.9	3018.5	3051.2	2926.0	3143.7	3015.8
60°	2280.9	2289.1	2373.5	2479.6	2697.4	3043.0	3301.6	3339.7	3203.6	3350.6	3219.9
62.5°	2142.1	2182.9	2332.6	2574.9	3013.1	3426.8	3660.9	3685.4	3473.1	3560.2	3437.7
65°	1714.8	1742.0	1957.0	2349.0	3034.9	4123.6	4216.1	4150.8	3843.3	3829.6	3767.0
67.5°	955.4	977.1	1124.1	1535.1	2555.8	4384.9	5411.0	4932.0	4417.6	4235.2	4213.4
70°	754.0	759.4	778.4	862.8	1418.1	3865.0	6352.8	6374.6	5356.6	4793.2	4308.7
72.5°	612.4	609.7	666.9	740.3	838.3	2319.0	6056.1	6894.4	6075.2	4646.2	3753.4
75°	468.2	476.3	549.8	656.0	767.6	1091.5	4518.3	5672.3	5691.4	4330.5	3165.5
77.5°	356.6	359.3	440.9	579.8	751.2	770.3	2947.8	4227.0	4246.1	3353.3	1744.7
80°	266.7	266.7	334.8	489.9	732.2	710.4	1815.5	2931.4	2653.8	1178.6	381.1
82.5°	152.4	163.3	223.2	372.9	664.1	683.2	1023.4	1679.4	1121.4	321.2	176.9
85°	81.7	84.4	136.1	250.4	547.1	653.2	781.2	835.6	446.4	171.5	81.7
87.5°	29.9	29.9	62.6	127.9	345.7	484.5	620.6	533.5	255.9	78.9	40.8
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°	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9	2035.9
2.5°	2033.2	2022.3	2014.2	2022.3	1992.4	1978.8	1995.1	1986.9	1970.6	1962.5	1957.0
5°	1992.4	1978.8	1965.2	1957.0	1924.3	1891.7	1875.4	1842.7	1815.5	1823.6	1807.3
7.5°	1948.8	1935.2	1894.4	1856.3	1791.0	1725.7	1695.7	1649.4	1633.1	1619.5	1611.3
10°	1894.4	1869.9	1807.3	1731.1	1635.8	1562.3	1486.1	1431.7	1374.5	1350.0	1358.2
12.5°	1826.4	1812.8	1714.8	1597.7	1464.4	1341.9	1252.1	1165.0	1088.7	1047.9	1037.0
15°	1796.4	1755.6	1614.1	1458.9	1290.2	1137.7	1004.4	851.9	762.1	718.6	718.6
17.5°	1763.8	1687.5	1518.8	1306.5	1113.2	917.3	729.5	590.6	519.9	495.4	495.4
20°	1712.0	1627.7	1407.2	1162.2	928.2	691.3	522.6	446.4	424.6	408.3	411.0
22.5°	1673.9	1570.5	1303.8	1020.7	734.9	514.4	411.0	386.5	378.3	372.9	375.6
25°	1630.4	1502.5	1194.9	868.3	577.0	405.6	356.6	345.7	351.1	353.8	353.8
27.5°	1595.0	1445.3	1083.3	705.0	435.5	343.0	321.2	318.5	329.3	334.8	337.5
30°	1570.5	1393.6	974.4	555.3	348.4	304.8	294.0	294.0	307.6	313.0	315.7
32.5°	1546.0	1350.0	857.4	424.6	296.7	272.2	269.5	272.2	280.4	280.4	283.1
35°	1554.2	1309.2	745.8	343.0	266.7	250.4	250.4	250.4	253.1	255.9	255.9
37.5°	1570.5	1298.3	626.0	288.5	245.0	234.1	234.1	231.4	234.1	231.4	234.1
40°	1586.8	1282.0	517.2	255.9	231.4	223.2	220.5	215.0	212.3	212.3	215.0
42.5°	1654.9	1303.8	424.6	234.1	220.5	215.0	206.9	201.4	198.7	198.7	198.7
45°	1742.0	1344.6	351.1	223.2	212.3	198.7	193.3	190.5	185.1	187.8	190.5
47.5°	1872.6	1407.2	307.6	215.0	204.1	187.8	182.4	176.9	176.9	182.4	182.4
50°	2044.1	1510.6	280.4	206.9	196.0	179.6	171.5	168.8	168.8	176.9	176.9
52.5°	2229.2	1630.4	269.5	204.1	187.8	171.5	163.3	160.6	160.6	171.5	171.5
55°	2414.3	1777.4	277.6	204.1	182.4	163.3	155.1	149.7	152.4	160.6	160.6
57.5°	2618.4	1935.2	318.5	204.1	176.9	160.6	149.7	141.5	144.3	147.0	147.0
60°	2841.6	2142.1	389.2	204.1	174.2	155.1	141.5	130.6	130.6	133.4	133.4
62.5°	3067.5	2346.2	489.9	206.9	176.9	152.4	130.6	119.8	117.0	119.8	119.8
65°	3364.2	2672.9	590.6	206.9	185.1	147.0	122.5	108.9	106.2	106.2	108.9
67.5°	3780.6	2906.9	457.3	198.7	190.5	147.0	114.3	100.7	95.3	95.3	95.3
70°	3560.2	2452.4	291.2	185.1	182.4	152.4	108.9	92.5	87.1	84.4	84.4
72.5°	3048.5	1962.5	234.1	174.2	168.8	149.7	103.4	87.1	78.9	76.2	76.2
75°	2444.2	1548.7	204.1	157.9	147.0	125.2	95.3	78.9	73.5	68.0	68.0
77.5°	1197.6	647.8	155.1	138.8	125.2	95.3	84.4	73.5	65.3	59.9	59.9
80°	299.4	225.9	114.3	108.9	92.5	73.5	68.0	62.6	57.2	51.7	51.7
82.5°	160.6	133.4	81.7	73.5	62.6	51.7	51.7	49.0	46.3	40.8	38.1
85°	81.7	78.9	54.4	49.0	40.8	32.7	35.4	35.4	32.7	24.5	24.5
87.5°	43.5	43.5	27.2	21.8	19.1	16.3	16.3	16.3	13.6	10.9	10.9
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)