

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: P671442

Luminaire Tested: **CCP-SA-2C-830-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671442  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-830-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3 distribution lens  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

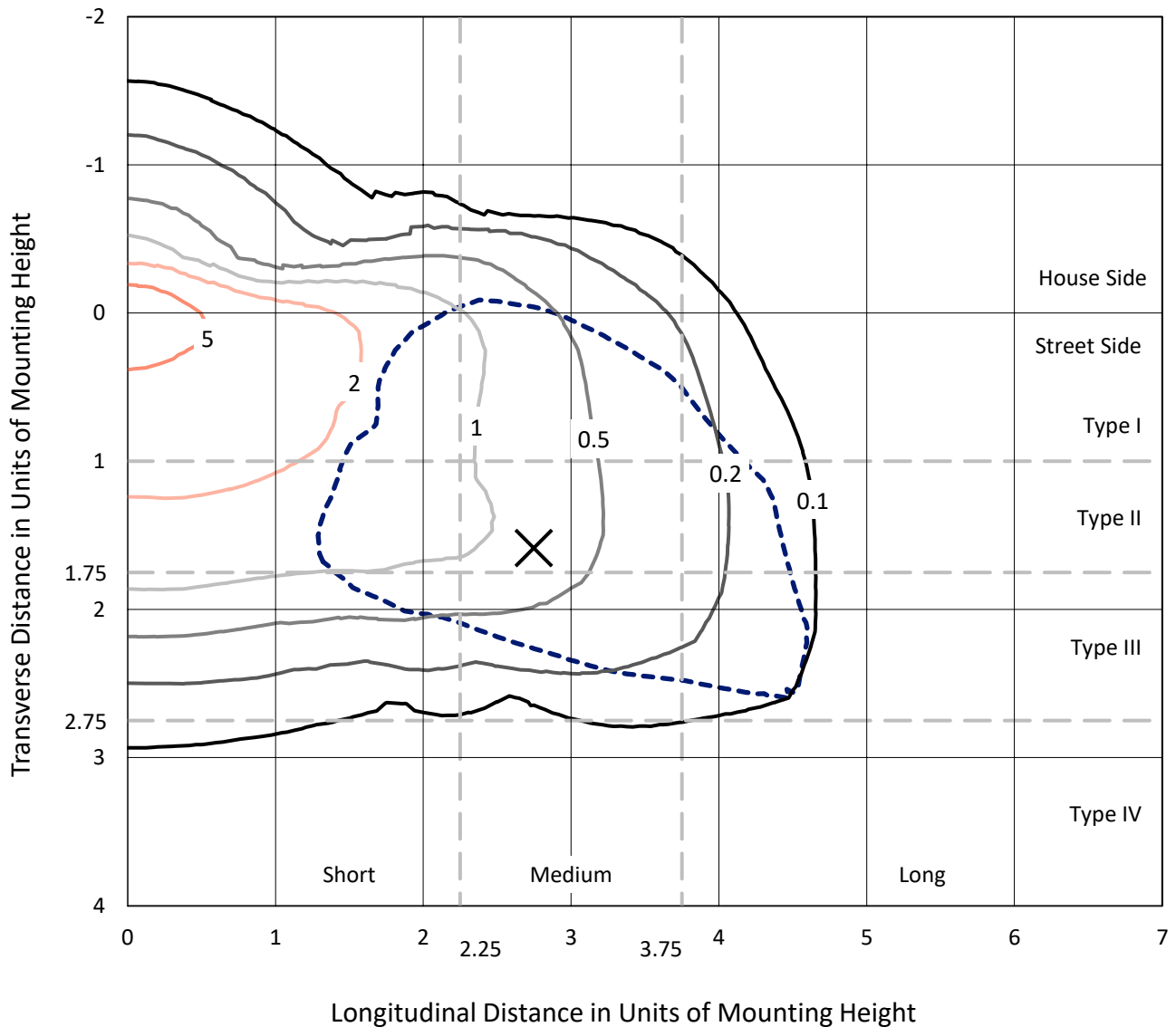
Lumens per Lamp: N/A  
Luminaire Lumens: 7103.5 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
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

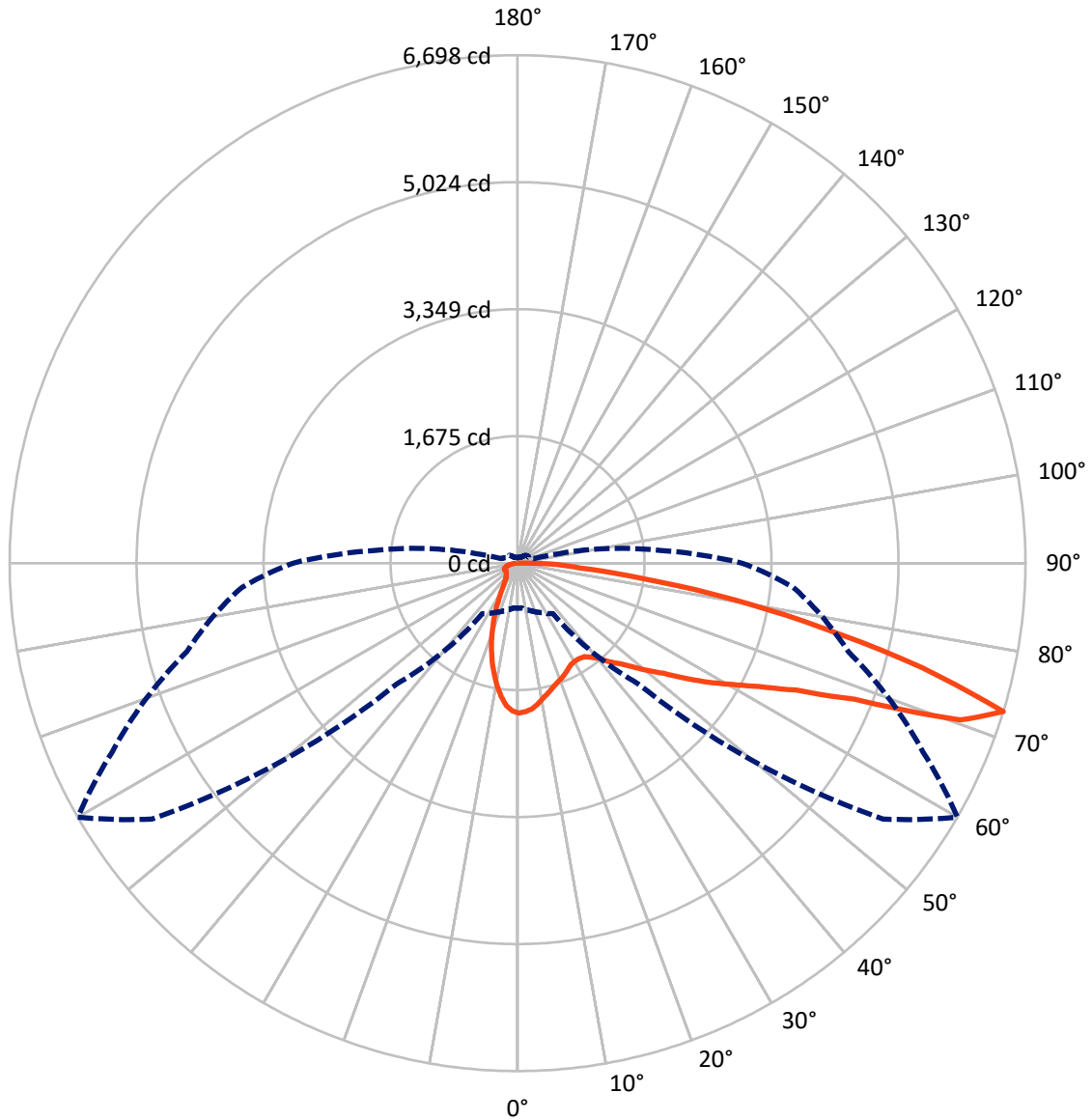
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 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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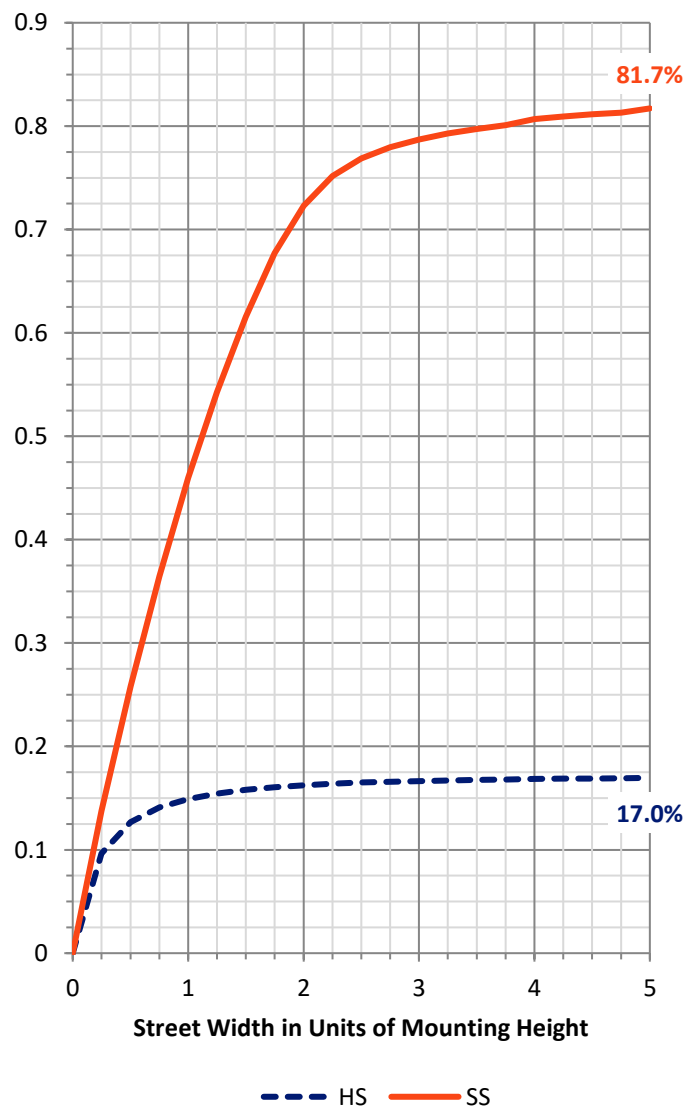
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1220.3	0.0	1220.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	5883.2	0.0	5883.2
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	7103.5	0.0	7103.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.4	2.4
10°-20°	388.8	5.5
20°-30°	497.6	7.0
30°-40°	636.5	9.0
40°-50°	873.0	12.3
50°-60°	1262.7	17.8
60°-70°	1732.2	24.4
70°-80°	1299.8	18.3
80°-90°	241.6	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°	7103.5	100.0
0°-180°	7103.5	100.0



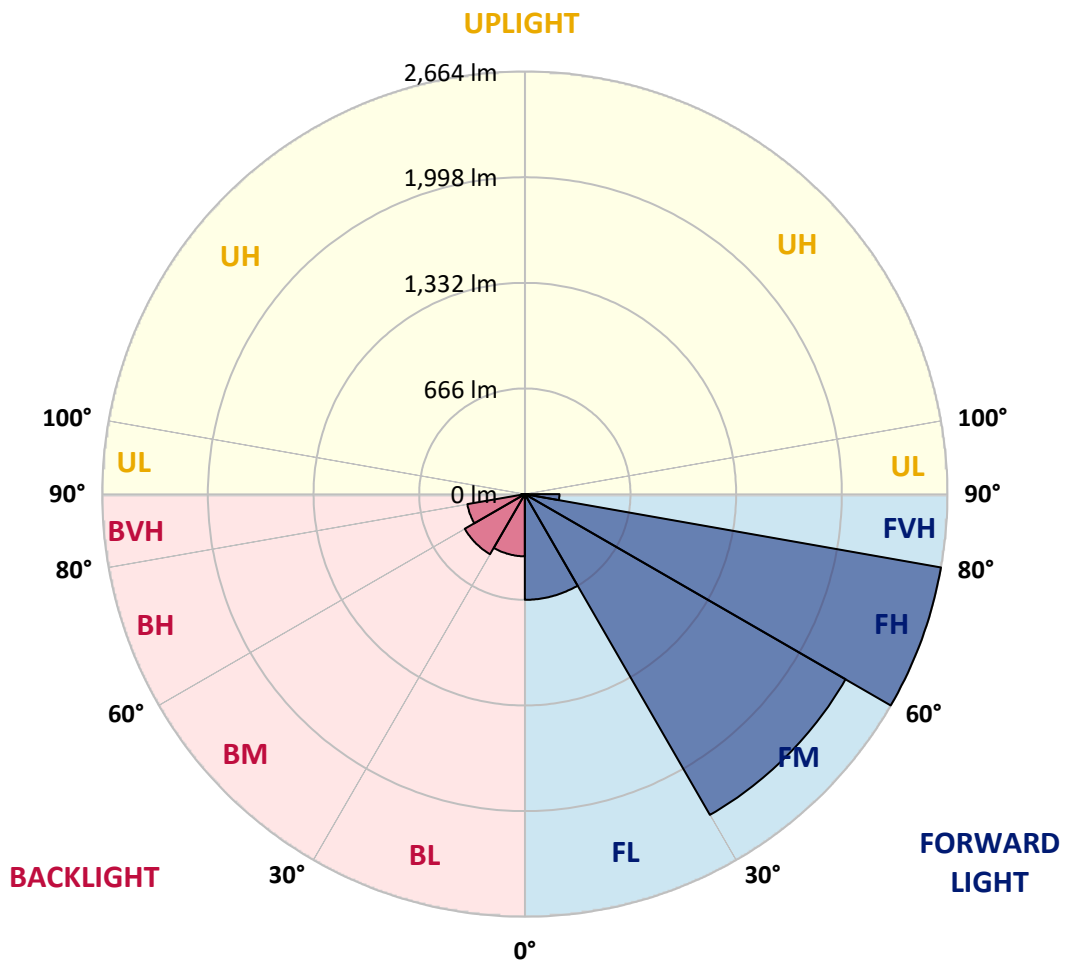
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.1	9.4			
FM (30°-60°)	2334.9	32.9			
FH (60°-80°)	2664.3	37.5			G2/5000
FVH (80°-90°)	218.1	3.1			G2/225
BL (0°-30°)	391.7	5.5	B1/500		
BM (30°-60°)	437.3	6.2	B1/1000		
BH (60°-80°)	367.7	5.2	B1/500		G1/500
BVH (80°-90°)	23.5	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°	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0
2.5°	1935.7	1954.2	1959.5	1959.5	1975.3	1956.8	1983.3	1962.1	1967.4	1975.3	1970.0
5°	1843.1	1874.8	1856.3	1890.7	1877.5	1901.3	1933.0	1933.0	1925.1	1941.0	1927.7
7.5°	1753.2	1742.6	1774.4	1774.4	1795.5	1827.2	1853.7	1880.1	1882.8	1888.1	1885.4
10°	1631.6	1644.8	1660.6	1681.8	1708.2	1740.0	1795.5	1816.7	1822.0	1853.7	1845.8
12.5°	1531.1	1549.6	1560.2	1602.5	1626.3	1671.2	1734.7	1763.8	1766.4	1811.4	1811.4
15°	1457.0	1467.6	1491.4	1507.3	1560.2	1623.6	1684.4	1710.9	1740.0	1787.6	1774.4
17.5°	1406.8	1420.0	1430.6	1451.7	1502.0	1554.9	1650.1	1665.9	1700.3	1769.1	1753.2
20°	1377.7	1380.3	1396.2	1409.4	1454.4	1504.6	1589.3	1631.6	1676.5	1737.3	1721.5
22.5°	1383.0	1372.4	1369.8	1388.3	1396.2	1443.8	1546.9	1591.9	1655.4	1726.8	1700.3
25°	1393.6	1396.2	1390.9	1375.1	1377.7	1420.0	1488.8	1546.9	1618.3	1724.1	1671.2
27.5°	1420.0	1433.2	1412.1	1396.2	1380.3	1396.2	1467.6	1509.9	1589.3	1737.3	1668.6
30°	1446.5	1459.7	1454.4	1430.6	1398.9	1393.6	1443.8	1496.7	1573.4	1747.9	1668.6
32.5°	1486.1	1504.6	1486.1	1494.1	1457.0	1433.2	1451.7	1499.3	1589.3	1784.9	1671.2
35°	1531.1	1546.9	1552.2	1533.7	1525.8	1480.8	1491.4	1515.2	1605.1	1827.2	1697.7
37.5°	1581.3	1599.8	1615.7	1618.3	1591.9	1565.5	1560.2	1573.4	1644.8	1901.3	1726.8
40°	1615.7	1626.3	1658.0	1684.4	1692.4	1655.4	1652.7	1652.7	1716.2	1967.4	1779.6
42.5°	1673.9	1668.6	1713.5	1761.1	1774.4	1753.2	1758.5	1779.6	1816.7	2062.6	1864.3
45°	1703.0	1697.7	1750.6	1829.9	1890.7	1880.1	1885.4	1893.4	1927.7	2213.3	2007.1
47.5°	1742.6	1747.9	1824.6	1914.5	1978.0	2015.0	2044.1	2041.4	2067.9	2366.7	2165.7
50°	1782.3	1792.9	1885.4	1980.6	2091.7	2155.1	2197.5	2226.5	2253.0	2528.0	2348.2
52.5°	1859.0	1869.6	1972.7	2075.8	2218.6	2311.2	2416.9	2414.3	2416.9	2689.3	2530.6
55°	1970.0	1972.7	2033.5	2152.5	2345.5	2514.8	2660.2	2676.1	2631.1	2890.3	2739.5
57.5°	2097.0	2107.5	2160.4	2250.3	2446.0	2710.5	2932.6	2964.3	2842.7	3054.2	2929.9
60°	2216.0	2223.9	2305.9	2409.0	2620.5	2956.4	3207.6	3244.6	3112.4	3255.2	3128.3
62.5°	2081.1	2120.8	2266.2	2501.6	2927.3	3329.2	3556.6	3580.4	3374.2	3458.8	3339.8
65°	1665.9	1692.4	1901.3	2282.1	2948.4	4006.2	4096.1	4032.6	3733.8	3720.6	3659.8
67.5°	928.2	949.3	1092.1	1491.4	2483.0	4260.0	5257.0	4791.6	4291.8	4114.6	4093.4
70°	732.5	737.8	756.3	838.3	1377.7	3755.0	6171.9	6193.1	5204.1	4656.7	4186.0
72.5°	595.0	592.3	647.9	719.3	814.5	2253.0	5883.7	6698.1	5902.2	4513.9	3646.6
75°	454.8	462.8	534.2	637.3	745.7	1060.4	4389.6	5510.8	5529.3	4207.2	3075.4
77.5°	346.4	349.1	428.4	563.2	729.8	748.4	2863.8	4106.7	4125.2	3257.8	1695.0
80°	259.1	259.1	325.3	476.0	711.3	690.2	1763.8	2848.0	2578.2	1145.0	370.2
82.5°	148.1	158.7	216.8	362.3	645.2	663.7	994.3	1631.6	1089.5	312.0	171.9
85°	79.3	82.0	132.2	243.3	531.5	634.6	758.9	811.8	433.7	166.6	79.3
87.5°	29.1	29.1	60.8	124.3	335.8	470.7	602.9	518.3	248.6	76.7	39.7
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°	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0	1978.0
2.5°	1975.3	1964.7	1956.8	1964.7	1935.7	1922.4	1938.3	1930.4	1914.5	1906.6	1901.3
5°	1935.7	1922.4	1909.2	1901.3	1869.6	1837.8	1822.0	1790.2	1763.8	1771.7	1755.8
7.5°	1893.4	1880.1	1840.5	1803.4	1740.0	1676.5	1647.4	1602.5	1586.6	1573.4	1565.5
10°	1840.5	1816.7	1755.8	1681.8	1589.3	1517.9	1443.8	1390.9	1335.4	1311.6	1319.5
12.5°	1774.4	1761.1	1665.9	1552.2	1422.7	1303.7	1216.4	1131.8	1057.7	1018.1	1007.5
15°	1745.3	1705.6	1568.1	1417.4	1253.4	1105.3	975.8	827.7	740.4	698.1	698.1
17.5°	1713.5	1639.5	1475.5	1269.3	1081.5	891.1	708.7	573.8	505.1	481.3	481.3
20°	1663.3	1581.3	1367.1	1129.1	901.7	671.7	507.7	433.7	412.5	396.7	399.3
22.5°	1626.3	1525.8	1266.6	991.6	714.0	499.8	399.3	375.5	367.6	362.3	364.9
25°	1584.0	1459.7	1160.9	843.5	560.6	394.0	346.4	335.8	341.1	343.8	343.8
27.5°	1549.6	1404.1	1052.5	684.9	423.1	333.2	312.0	309.4	320.0	325.3	327.9
30°	1525.8	1353.9	946.7	539.4	338.5	296.2	285.6	285.6	298.8	304.1	306.7
32.5°	1502.0	1311.6	833.0	412.5	288.2	264.4	261.8	264.4	272.4	272.4	275.0
35°	1509.9	1271.9	724.6	333.2	259.1	243.3	243.3	243.3	245.9	248.6	248.6
37.5°	1525.8	1261.4	608.2	280.3	238.0	227.4	227.4	224.8	227.4	224.8	227.4
40°	1541.7	1245.5	502.4	248.6	224.8	216.8	214.2	208.9	206.3	206.3	208.9
42.5°	1607.8	1266.6	412.5	227.4	214.2	208.9	201.0	195.7	193.0	193.0	193.0
45°	1692.4	1306.3	341.1	216.8	206.3	193.0	187.7	185.1	179.8	182.5	185.1
47.5°	1819.3	1367.1	298.8	208.9	198.3	182.5	177.2	171.9	171.9	177.2	177.2
50°	1985.9	1467.6	272.4	201.0	190.4	174.5	166.6	163.9	163.9	171.9	171.9
52.5°	2165.7	1584.0	261.8	198.3	182.5	166.6	158.7	156.0	156.0	166.6	166.6
55°	2345.5	1726.8	269.7	198.3	177.2	158.7	150.7	145.4	148.1	156.0	156.0
57.5°	2543.9	1880.1	309.4	198.3	171.9	156.0	145.4	137.5	140.2	142.8	142.8
60°	2760.7	2081.1	378.1	198.3	169.2	150.7	137.5	126.9	126.9	129.6	129.6
62.5°	2980.2	2279.4	476.0	201.0	171.9	148.1	126.9	116.4	113.7	116.4	116.4
65°	3268.4	2596.7	573.8	201.0	179.8	142.8	119.0	105.8	103.1	103.1	105.8
67.5°	3673.0	2824.2	444.3	193.0	185.1	142.8	111.1	97.8	92.6	92.6	92.6
70°	3458.8	2382.6	282.9	179.8	177.2	148.1	105.8	89.9	84.6	82.0	82.0
72.5°	2961.7	1906.6	227.4	169.2	163.9	145.4	100.5	84.6	76.7	74.0	74.0
75°	2374.6	1504.6	198.3	153.4	142.8	121.6	92.6	76.7	71.4	66.1	66.1
77.5°	1163.5	629.4	150.7	134.9	121.6	92.6	82.0	71.4	63.5	58.2	58.2
80°	290.9	219.5	111.1	105.8	89.9	71.4	66.1	60.8	55.5	50.2	50.2
82.5°	156.0	129.6	79.3	71.4	60.8	50.2	50.2	47.6	45.0	39.7	37.0
85°	79.3	76.7	52.9	47.6	39.7	31.7	34.4	34.4	31.7	23.8	23.8
87.5°	42.3	42.3	26.4	21.2	18.5	15.9	15.9	15.9	13.2	10.6	10.6
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)