

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: P671101

Luminaire Tested: **CCP-SA-2E-735-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671101
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-735-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4W
distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13604.7 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

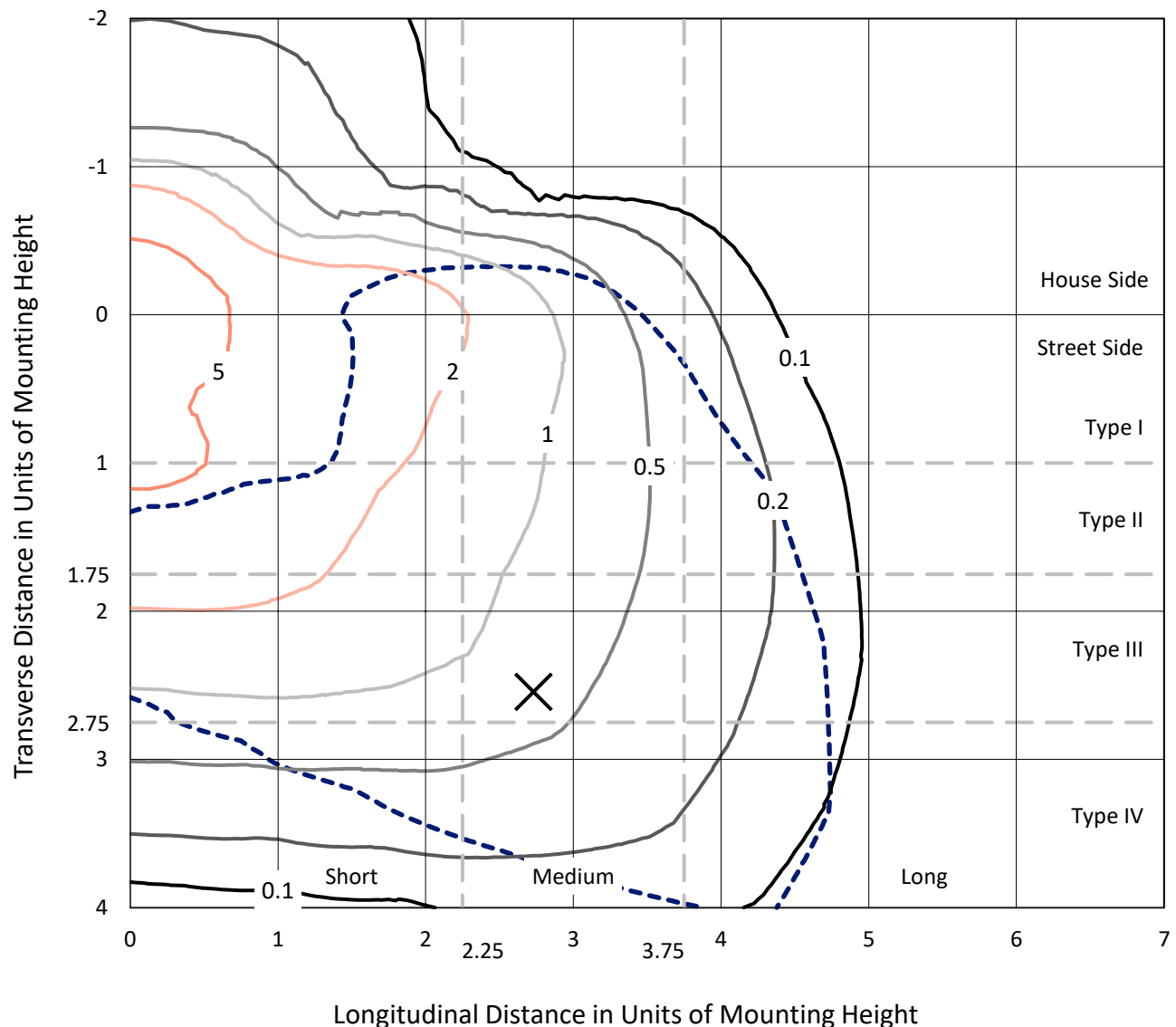
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

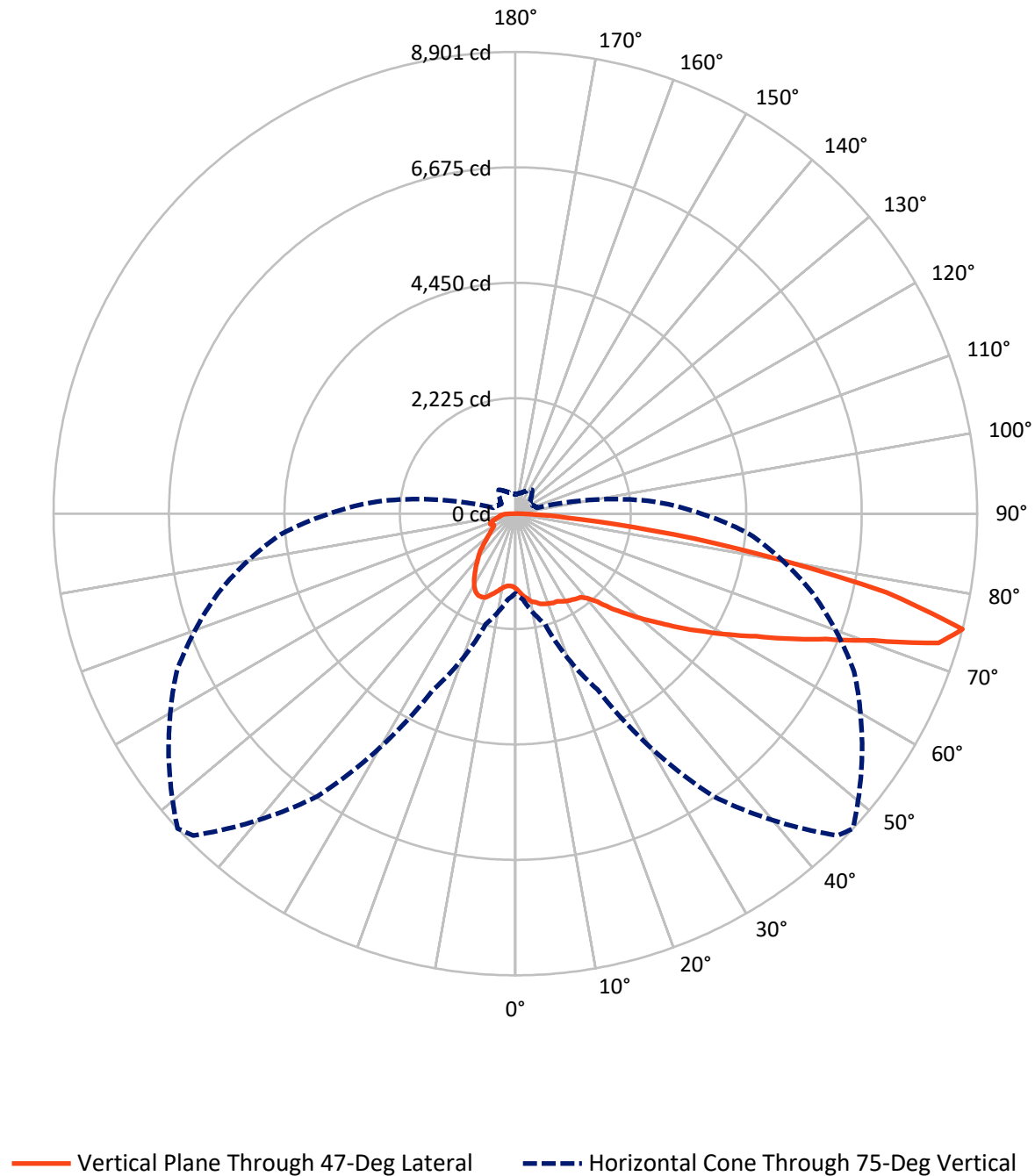
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3253.6	0.0	3253.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	10351.2	0.0	10351.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	13604.7	0.0	13604.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	1.1
10°-20°	485.0	3.6
20°-30°	830.6	6.1
30°-40°	1162.2	8.5
40°-50°	1620.5	11.9
50°-60°	2422.1	17.8
60°-70°	3492.2	25.7
70°-80°	2972.6	21.8
80°-90°	473.5	3.5
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°	13604.7	100.0
0°-180°	13604.7	100.0



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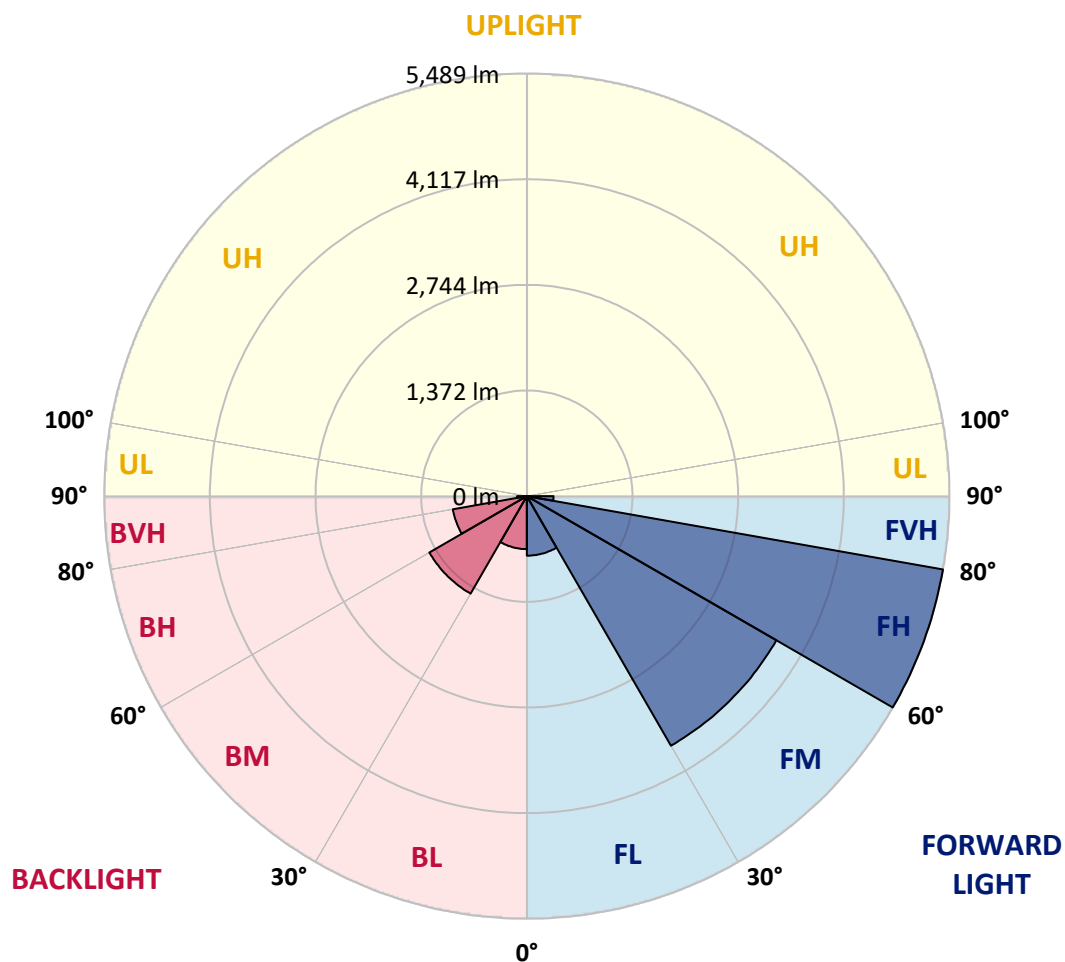
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	773.0	5.7			
FM	(30°-60°)	3742.6	27.5			
FH	(60°-80°)	5488.7	40.3			G3/7500
FVH	(80°-90°)	347.0	2.6			G3/500
BL	(0°-30°)	688.6	5.1	B2/1000		
BM	(30°-60°)	1462.3	10.7	B2/2500		
BH	(60°-80°)	976.1	7.2	B2/1000		G2/1000
BVH	(80°-90°)	126.6	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5
2.5°	1548.8	1553.7	1553.7	1543.8	1533.9	1514.0	1514.0	1494.2	1484.2	1459.4	1449.5
5°	1692.7	1677.8	1663.0	1658.0	1633.2	1598.4	1593.5	1573.6	1519.0	1494.2	1459.4
7.5°	1797.0	1792.0	1787.1	1767.2	1722.5	1667.9	1653.0	1623.2	1568.6	1519.0	1479.3
10°	1881.4	1901.2	1881.4	1836.7	1792.0	1732.4	1727.5	1672.9	1623.2	1563.7	1514.0
12.5°	1975.7	1980.7	1945.9	1891.3	1821.8	1772.2	1752.3	1732.4	1677.8	1628.2	1553.7
15°	2040.2	2030.3	2005.5	1931.0	1851.6	1801.9	1806.9	1782.1	1722.5	1687.8	1608.3
17.5°	2040.2	2040.2	2000.5	1945.9	1876.4	1831.7	1831.7	1816.8	1777.1	1727.5	1672.9
20°	2000.5	2000.5	1975.7	1945.9	1866.5	1856.6	1846.6	1836.7	1836.7	1792.0	1712.6
22.5°	1950.9	1940.9	1950.9	1901.2	1846.6	1856.6	1871.4	1866.5	1851.6	1811.9	1757.3
25°	1901.2	1906.2	1916.1	1881.4	1831.7	1876.4	1871.4	1896.3	1886.3	1856.6	1811.9
27.5°	1896.3	1906.2	1911.2	1876.4	1856.6	1896.3	1916.1	1940.9	1945.9	1916.1	1861.5
30°	1970.7	1965.8	1960.8	1916.1	1901.2	1936.0	1955.8	1990.6	2020.4	1955.8	1911.2
32.5°	2164.3	2134.5	2104.8	1985.6	1940.9	1965.8	1985.6	2035.3	2040.2	2005.5	1940.9
35°	2472.1	2452.2	2353.0	2144.5	2020.4	1995.5	2015.4	2050.1	2060.1	2035.3	1985.6
37.5°	2824.5	2814.6	2675.6	2422.5	2184.2	2065.0	2045.2	2094.8	2134.5	2079.9	2010.4
40°	3172.0	3132.3	3033.0	2784.8	2392.7	2169.3	2144.5	2169.3	2184.2	2144.5	2099.8
42.5°	3484.8	3440.1	3415.3	3167.1	2665.7	2343.0	2323.2	2263.6	2308.3	2258.6	2199.1
45°	3747.8	3737.9	3728.0	3514.5	2978.4	2626.0	2611.1	2457.2	2506.8	2467.1	2382.7
47.5°	3936.5	3981.2	3966.3	3847.1	3335.8	2928.8	2884.1	2685.5	2760.0	2720.3	2635.9
50°	4159.9	4184.7	4169.8	4090.4	3668.4	3276.3	3191.9	2988.4	3072.7	3067.8	3023.1
52.5°	4358.4	4432.9	4348.5	4343.5	4145.0	3653.5	3509.6	3316.0	3455.0	3509.6	3504.6
55°	4591.7	4651.3	4626.5	4616.6	4571.9	4020.9	3891.8	3658.5	3891.8	3971.2	4040.7
57.5°	4790.3	4785.3	4879.6	4993.8	5048.4	4442.8	4288.9	4015.9	4368.4	4457.7	4651.3
60°	4879.6	4964.0	5122.9	5410.8	5564.7	4894.5	4735.7	4517.3	4849.9	4919.4	5276.8
62.5°	4939.2	5013.7	5321.4	5807.9	5897.3	5356.2	5207.3	4988.9	5376.1	5425.7	5956.8
65°	4775.4	4844.9	5455.5	5956.8	6274.5	5852.6	5817.9	5589.5	5902.2	5932.0	6671.7
67.5°	4586.8	4661.2	5341.3	6145.5	6775.9	6512.8	6458.2	6185.2	6423.5	6388.7	7217.7
70°	4254.2	4353.5	5048.4	6309.3	7331.9	7436.1	7326.9	6939.7	6964.5	6636.9	7242.5
72.5°	3241.5	3306.0	3951.4	5659.0	7590.0	8716.9	8528.2	7753.8	7470.9	6686.6	6393.7
75°	1538.9	1658.0	2204.0	3742.9	6651.8	8776.4	8900.5	8155.9	7202.8	5932.0	4532.2
77.5°	446.8	446.8	670.1	1588.5	4169.8	7073.8	7307.1	6924.8	5942.0	4393.2	2382.7
80°	243.2	258.1	352.4	560.9	1831.7	4462.7	4800.2	4591.7	3499.6	1737.4	615.5
82.5°	139.0	144.0	233.3	337.6	834.0	2427.4	2626.0	2382.7	1330.4	526.2	287.9
85°	79.4	84.4	134.0	223.4	496.4	893.5	973.0	843.9	536.1	352.4	144.0
87.5°	39.7	39.7	64.5	104.2	253.2	253.2	248.2	302.8	322.7	213.5	64.5
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°	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5	1444.5
2.5°	1444.5	1439.6	1439.6	1419.7	1414.8	1399.9	1399.9	1389.9	1385.0	1399.9	1399.9
5°	1449.5	1424.7	1419.7	1399.9	1404.8	1394.9	1414.8	1404.8	1399.9	1399.9	1394.9
7.5°	1459.4	1434.6	1414.8	1399.9	1394.9	1409.8	1434.6	1434.6	1464.4	1449.5	1449.5
10°	1484.2	1469.4	1444.5	1434.6	1434.6	1449.5	1479.3	1499.1	1524.0	1524.0	1509.1
12.5°	1543.8	1519.0	1489.2	1474.3	1494.2	1509.1	1538.9	1558.7	1588.5	1598.4	1588.5
15°	1588.5	1563.7	1553.7	1543.8	1558.7	1578.6	1603.4	1623.2	1658.0	1667.9	1663.0
17.5°	1648.1	1618.3	1613.3	1618.3	1628.2	1643.1	1658.0	1672.9	1697.7	1697.7	1697.7
20°	1677.8	1667.9	1663.0	1677.8	1697.7	1717.6	1707.6	1697.7	1692.7	1702.7	1697.7
22.5°	1732.4	1722.5	1727.5	1742.4	1742.4	1732.4	1717.6	1682.8	1672.9	1682.8	1672.9
25°	1782.1	1772.2	1772.2	1762.2	1757.3	1722.5	1692.7	1663.0	1628.2	1643.1	1638.1
27.5°	1831.7	1826.8	1826.8	1787.1	1737.4	1677.8	1638.1	1603.4	1583.5	1608.3	1593.5
30°	1891.3	1896.3	1871.4	1777.1	1658.0	1593.5	1548.8	1543.8	1538.9	1553.7	1548.8
32.5°	1945.9	1950.9	1911.2	1762.2	1598.4	1474.3	1429.6	1434.6	1459.4	1484.2	1509.1
35°	1975.7	2000.5	1950.9	1712.6	1479.3	1340.3	1290.6	1335.3	1380.0	1414.8	1439.6
37.5°	2030.3	2094.8	2010.4	1658.0	1375.0	1221.2	1186.4	1201.3	1255.9	1310.5	1335.3
40°	2109.7	2184.2	2025.3	1553.7	1236.0	1102.0	1082.2	1087.1	1107.0	1141.7	1166.5
42.5°	2248.7	2328.1	2040.2	1419.7	1097.1	1027.6	973.0	958.1	943.2	943.2	938.2
45°	2452.2	2526.7	2020.4	1250.9	958.1	908.4	868.7	834.0	794.2	729.7	739.6
47.5°	2750.1	2809.6	2035.3	1102.0	829.0	789.3	759.5	719.8	660.2	590.7	585.8
50°	3201.8	3112.5	2015.4	948.1	734.7	699.9	675.1	620.5	551.0	501.4	496.4
52.5°	3728.0	3549.3	1995.5	819.1	655.3	625.5	605.6	546.0	481.5	456.7	451.7
55°	4363.4	4105.3	2025.3	704.9	595.7	570.9	551.0	496.4	446.8	426.9	421.9
57.5°	5113.0	4705.9	2189.1	615.5	531.2	521.2	516.3	471.6	426.9	412.0	407.1
60°	5817.9	5281.7	2298.3	551.0	471.6	481.5	491.4	471.6	421.9	412.0	412.0
62.5°	6408.6	5758.3	2124.6	496.4	441.8	471.6	516.3	501.4	481.5	491.4	481.5
65°	6929.8	5922.1	1588.5	466.6	426.9	496.4	570.9	565.9	521.2	531.2	526.2
67.5°	7019.1	5723.5	1037.5	441.8	417.0	546.0	640.4	580.8	491.4	491.4	476.5
70°	6646.8	5192.4	695.0	417.0	412.0	546.0	655.3	546.0	461.7	461.7	441.8
72.5°	5455.5	4149.9	536.1	392.2	377.3	486.5	620.5	516.3	431.9	421.9	387.2
75°	3584.0	2675.6	436.8	372.3	327.6	426.9	560.9	476.5	412.0	382.2	367.3
77.5°	1757.3	1201.3	367.3	327.6	283.0	372.3	511.3	451.7	387.2	357.4	347.5
80°	481.5	431.9	307.8	287.9	238.3	322.7	481.5	431.9	362.4	332.6	317.7
82.5°	273.0	268.1	248.2	233.3	198.6	322.7	486.5	431.9	342.5	337.6	287.9
85°	148.9	158.8	178.7	173.7	153.9	287.9	461.7	377.3	278.0	233.3	233.3
87.5°	59.6	74.5	89.4	99.3	104.2	213.5	347.5	287.9	213.5	178.7	178.7
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)