

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: P671112

Luminaire Tested: **CCP-SA-2E-740-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671112
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-740-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4W distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

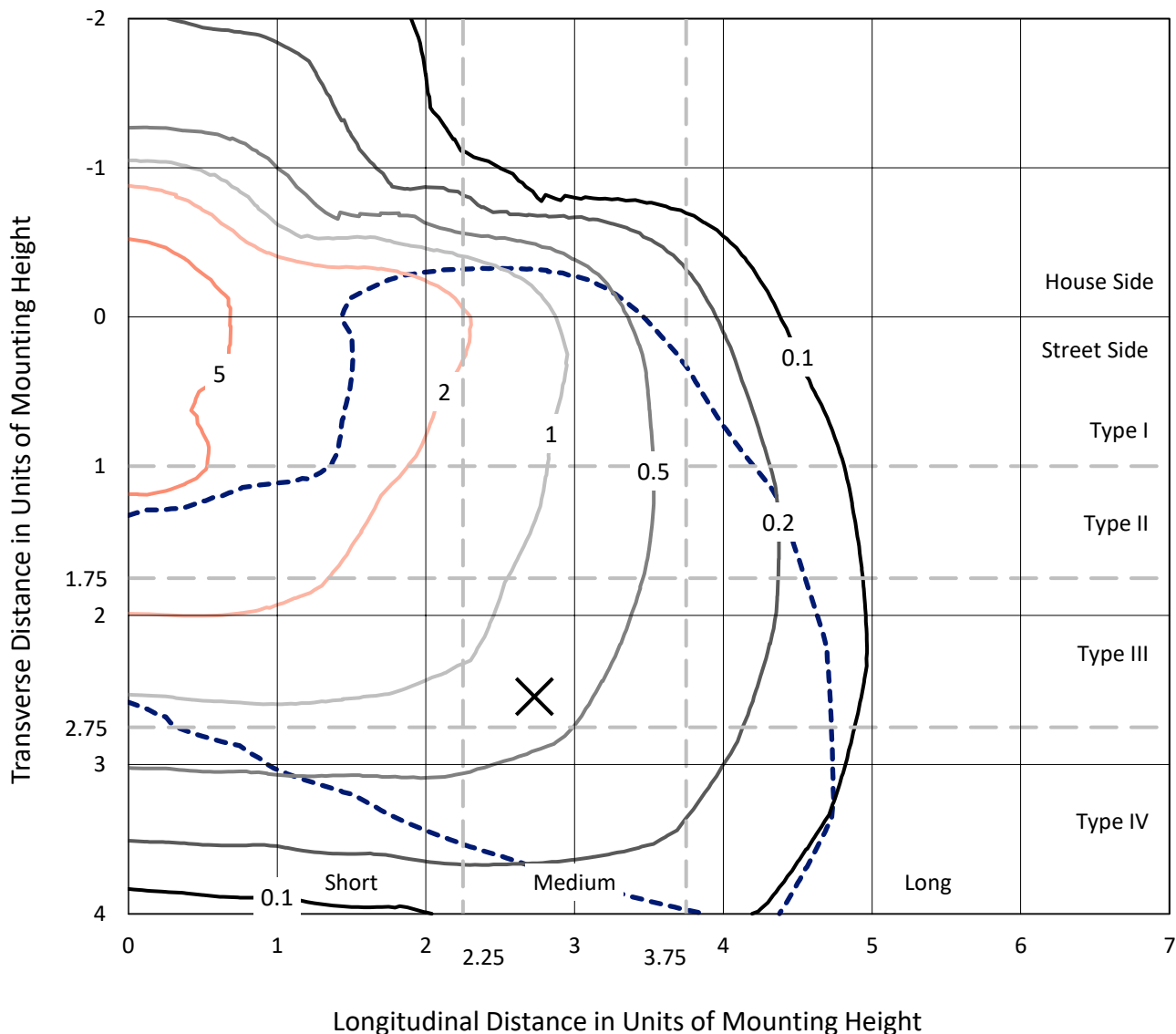
Lumens per Lamp: N/A
Luminaire Lumens: 13793.7 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

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

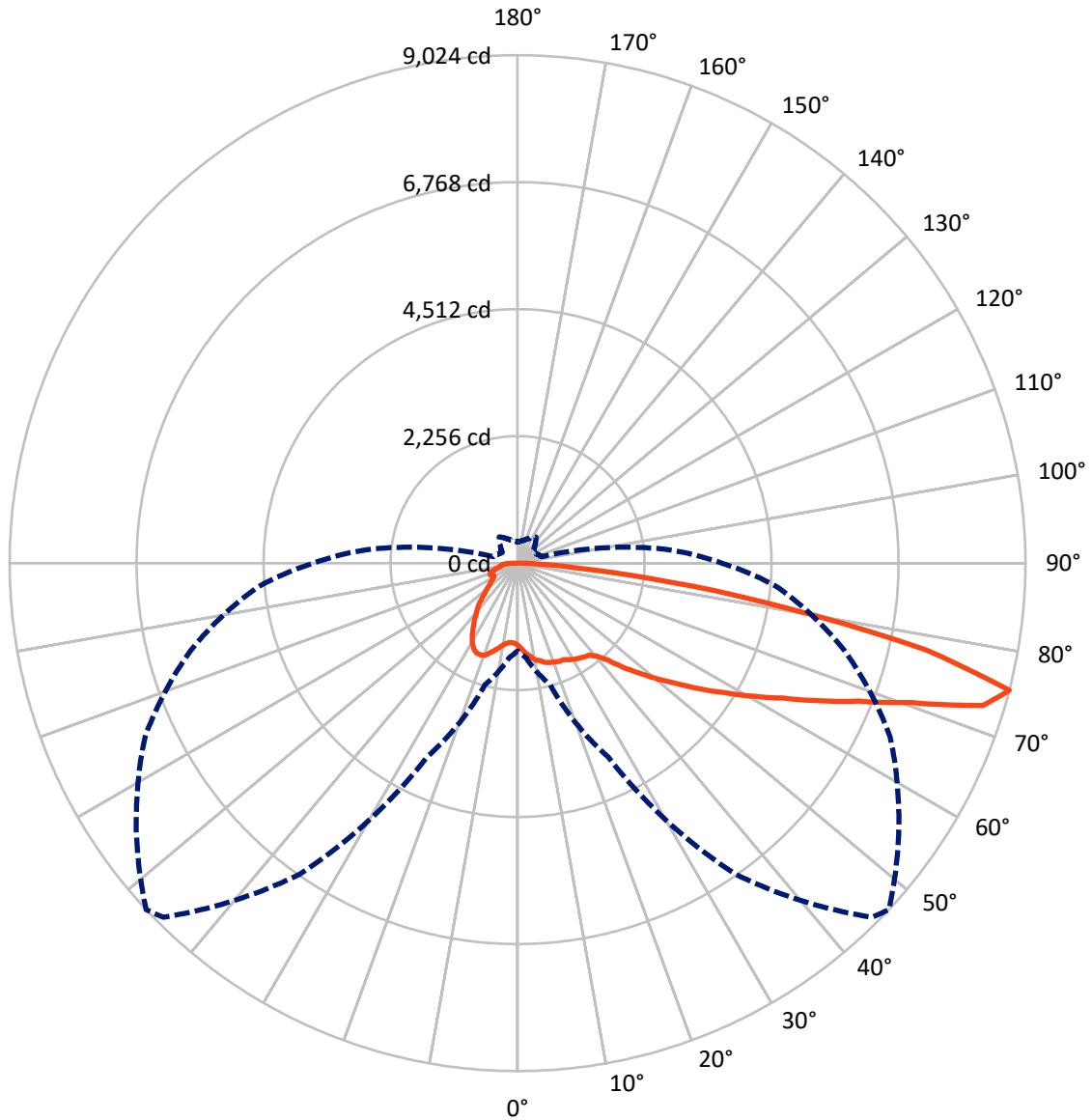
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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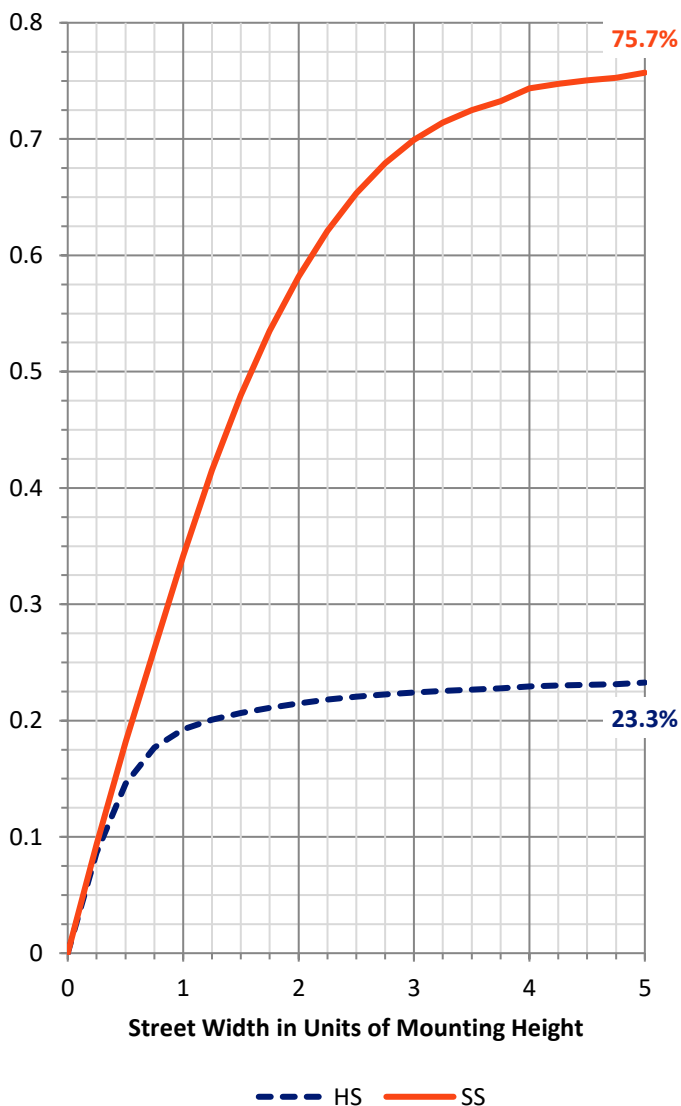
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3298.7	0.0	3298.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	10495.0	0.0	10495.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	13793.7	0.0	13793.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	1.1
10°-20°	491.7	3.6
20°-30°	842.2	6.1
30°-40°	1178.4	8.5
40°-50°	1643.0	11.9
50°-60°	2455.8	17.8
60°-70°	3540.7	25.7
70°-80°	3013.9	21.8
80°-90°	480.1	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°	13793.7	100.0
0°-180°	13793.7	100.0



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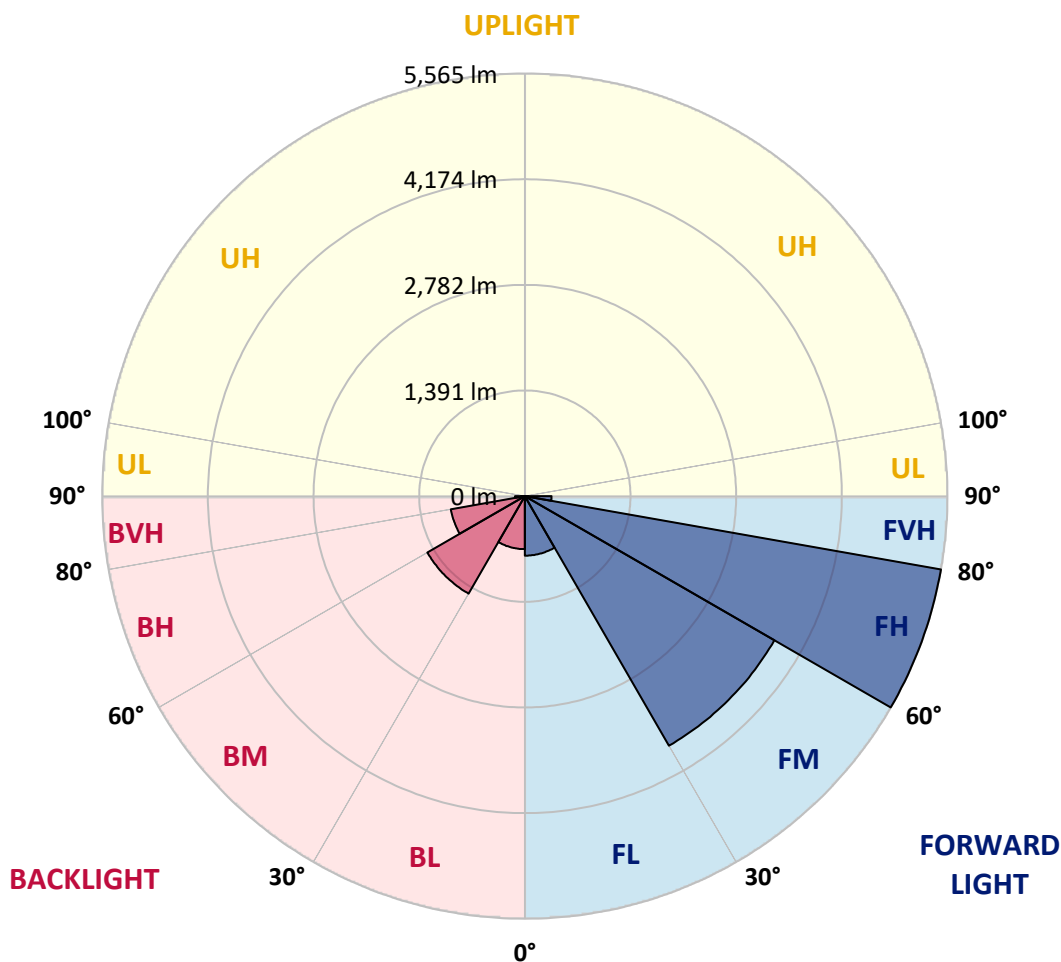
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	783.7	5.7			
FM (30°-60°)	3794.6	27.5			
FH (60°-80°)	5564.9	40.3			G3/7500
FVH (80°-90°)	351.8	2.6			G3/500
BL (0°-30°)	698.2	5.1	B2/1000		
BM (30°-60°)	1482.6	10.7	B2/2500		
BH (60°-80°)	989.6	7.2	B2/1000		G2/1000
BVH (80°-90°)	128.3	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°	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6
2.5°	1570.3	1575.3	1575.3	1565.3	1555.2	1535.1	1535.1	1514.9	1504.9	1479.7	1469.6
5°	1716.2	1701.2	1686.1	1681.0	1655.9	1620.6	1615.6	1595.5	1540.1	1514.9	1479.7
7.5°	1821.9	1816.9	1811.9	1791.7	1746.4	1691.1	1676.0	1645.8	1590.4	1540.1	1499.8
10°	1907.5	1927.6	1907.5	1862.2	1816.9	1756.5	1751.5	1696.1	1645.8	1585.4	1535.1
12.5°	2003.1	2008.2	1972.9	1917.6	1847.1	1796.8	1776.6	1756.5	1701.2	1650.8	1575.3
15°	2068.6	2058.5	2033.3	1957.8	1877.3	1827.0	1832.0	1806.8	1746.4	1711.2	1630.7
17.5°	2068.6	2068.6	2028.3	1972.9	1902.5	1857.2	1857.2	1842.1	1801.8	1751.5	1696.1
20°	2028.3	2028.3	2003.1	1972.9	1892.4	1882.3	1872.3	1862.2	1862.2	1816.9	1736.4
22.5°	1978.0	1967.9	1978.0	1927.6	1872.3	1882.3	1897.4	1892.4	1877.3	1837.0	1781.7
25°	1927.6	1932.7	1942.7	1907.5	1857.2	1902.5	1897.4	1922.6	1912.5	1882.3	1837.0
27.5°	1922.6	1932.7	1937.7	1902.5	1882.3	1922.6	1942.7	1967.9	1972.9	1942.7	1887.4
30°	1998.1	1993.1	1988.0	1942.7	1927.6	1962.9	1983.0	2018.2	2048.4	1983.0	1937.7
32.5°	2194.4	2164.2	2134.0	2013.2	1967.9	1993.1	2013.2	2063.5	2068.6	2033.3	1967.9
35°	2506.4	2486.3	2385.6	2174.3	2048.4	2023.3	2043.4	2078.6	2088.7	2063.5	2013.2
37.5°	2863.8	2853.7	2712.8	2456.1	2214.5	2093.7	2073.6	2123.9	2164.2	2108.8	2038.4
40°	3216.1	3175.8	3075.2	2823.5	2425.9	2199.4	2174.3	2199.4	2214.5	2174.3	2129.0
42.5°	3533.2	3487.9	3462.7	3211.0	2702.7	2375.6	2355.4	2295.0	2340.3	2290.0	2229.6
45°	3799.9	3789.8	3779.8	3563.4	3019.8	2662.5	2647.4	2491.3	2541.7	2501.4	2415.8
47.5°	3991.2	4036.5	4021.4	3900.6	3382.2	2969.5	2924.2	2722.8	2798.3	2758.1	2672.5
50°	4217.6	4242.8	4227.7	4147.2	3719.4	3321.8	3236.2	3029.9	3115.4	3110.4	3065.1
52.5°	4419.0	4494.5	4408.9	4403.9	4202.5	3704.3	3558.3	3362.0	3503.0	3558.3	3553.3
55°	4655.5	4715.9	4690.7	4680.7	4635.4	4076.7	3945.9	3709.3	3945.9	4026.4	4096.9
57.5°	4856.8	4851.8	4947.4	5063.2	5118.6	4504.5	4348.5	4071.7	4429.0	4519.6	4715.9
60°	4947.4	5033.0	5194.0	5486.0	5642.0	4962.5	4801.5	4580.0	4917.2	4987.7	5350.1
62.5°	5007.8	5083.3	5395.4	5888.6	5979.2	5430.6	5279.6	5058.2	5450.7	5501.1	6039.6
65°	4841.7	4912.2	5531.3	6039.6	6361.7	5933.9	5898.7	5667.1	5984.2	6014.4	6764.3
67.5°	4650.5	4726.0	5415.5	6230.8	6870.0	6603.3	6547.9	6271.1	6512.7	6477.5	7318.0
70°	4313.3	4413.9	5118.6	6396.9	7433.7	7539.4	7428.7	7036.1	7061.3	6729.1	7343.1
72.5°	3286.5	3352.0	4006.3	5737.6	7695.4	8837.9	8646.7	7861.5	7574.7	6779.4	6482.5
75°	1560.2	1681.0	2234.6	3794.9	6744.2	8898.3	9024.2	8269.2	7302.9	6014.4	4595.1
77.5°	453.0	453.0	679.5	1610.6	4227.7	7172.0	7408.6	7021.0	6024.5	4454.2	2415.8
80°	246.6	261.7	357.3	568.7	1857.2	4524.7	4866.9	4655.5	3548.3	1761.5	624.1
82.5°	140.9	146.0	236.6	342.2	845.5	2461.1	2662.5	2415.8	1348.8	533.5	291.9
85°	80.5	85.6	135.9	226.5	503.3	905.9	986.5	855.6	543.6	357.3	146.0
87.5°	40.3	40.3	65.4	105.7	256.7	256.7	251.6	307.0	327.1	216.4	65.4
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°	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6
2.5°	1464.6	1459.6	1459.6	1439.4	1434.4	1419.3	1419.3	1409.2	1404.2	1419.3	1419.3
5°	1469.6	1444.5	1439.4	1419.3	1424.3	1414.3	1434.4	1424.3	1419.3	1419.3	1414.3
7.5°	1479.7	1454.5	1434.4	1419.3	1414.3	1429.4	1454.5	1454.5	1484.7	1469.6	1469.6
10°	1504.9	1489.8	1464.6	1454.5	1454.5	1469.6	1499.8	1520.0	1545.1	1545.1	1530.0
12.5°	1565.3	1540.1	1509.9	1494.8	1514.9	1530.0	1560.2	1580.4	1610.6	1620.6	1610.6
15°	1610.6	1585.4	1575.3	1565.3	1580.4	1600.5	1625.7	1645.8	1681.0	1691.1	1686.1
17.5°	1671.0	1640.8	1635.7	1640.8	1650.8	1665.9	1681.0	1696.1	1721.3	1721.3	1721.3
20°	1701.2	1691.1	1686.1	1701.2	1721.3	1741.4	1731.3	1721.3	1716.2	1726.3	1721.3
22.5°	1756.5	1746.4	1751.5	1766.6	1766.6	1756.5	1741.4	1706.2	1696.1	1706.2	1696.1
25°	1806.8	1796.8	1796.8	1786.7	1781.7	1746.4	1716.2	1686.1	1650.8	1665.9	1660.9
27.5°	1857.2	1852.1	1852.1	1811.9	1761.5	1701.2	1660.9	1625.7	1605.5	1630.7	1615.6
30°	1917.6	1922.6	1897.4	1801.8	1681.0	1615.6	1570.3	1565.3	1560.2	1575.3	1570.3
32.5°	1972.9	1978.0	1937.7	1786.7	1620.6	1494.8	1449.5	1454.5	1479.7	1504.9	1530.0
35°	2003.1	2028.3	1978.0	1736.4	1499.8	1358.9	1308.6	1353.9	1399.2	1434.4	1459.6
37.5°	2058.5	2123.9	2038.4	1681.0	1394.1	1238.1	1202.9	1218.0	1273.3	1328.7	1353.9
40°	2139.0	2214.5	2053.5	1575.3	1253.2	1117.3	1097.2	1102.2	1122.4	1157.6	1182.8
42.5°	2279.9	2360.5	2068.6	1439.4	1112.3	1041.8	986.5	971.4	956.3	956.3	951.2
45°	2486.3	2561.8	2048.4	1268.3	971.4	921.0	880.8	845.5	805.3	739.8	749.9
47.5°	2788.3	2848.7	2063.5	1117.3	840.5	800.2	770.0	729.8	669.4	598.9	593.9
50°	3246.3	3155.7	2043.4	961.3	744.9	709.7	684.5	629.1	558.7	508.3	503.3
52.5°	3779.8	3598.6	2023.3	830.4	664.4	634.2	614.0	553.6	488.2	463.0	458.0
55°	4424.0	4162.3	2053.5	714.7	604.0	578.8	558.7	503.3	453.0	432.8	427.8
57.5°	5184.0	4771.3	2219.5	624.1	538.5	528.5	523.4	478.1	432.8	417.7	412.7
60°	5898.7	5355.1	2330.3	558.7	478.1	488.2	498.3	478.1	427.8	417.7	417.7
62.5°	6497.6	5838.3	2154.1	503.3	447.9	478.1	523.4	508.3	488.2	498.3	488.2
65°	7026.1	6004.4	1610.6	473.1	432.8	503.3	578.8	573.8	528.5	538.5	533.5
67.5°	7116.6	5803.0	1051.9	447.9	422.8	553.6	649.3	588.9	498.3	498.3	483.2
70°	6739.2	5264.5	704.6	422.8	417.7	553.6	664.4	553.6	468.1	468.1	447.9
72.5°	5531.3	4207.6	543.6	397.6	382.5	493.2	629.1	523.4	437.9	427.8	392.6
75°	3633.8	2712.8	442.9	377.5	332.2	432.8	568.7	483.2	417.7	387.5	372.4
77.5°	1781.7	1218.0	372.4	332.2	286.9	377.5	518.4	458.0	392.6	362.4	352.3
80°	488.2	437.9	312.0	291.9	241.6	327.1	488.2	437.9	367.4	337.2	322.1
82.5°	276.8	271.8	251.6	236.6	201.3	327.1	493.2	437.9	347.3	342.2	291.9
85°	151.0	161.1	181.2	176.2	156.0	291.9	468.1	382.5	281.8	236.6	236.6
87.5°	60.4	75.5	90.6	100.7	105.7	216.4	352.3	291.9	216.4	181.2	181.2
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)