

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: P671406

Luminaire Tested: **CCP-SA-1F-750-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671406  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-750-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ SL3 distribution lens  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

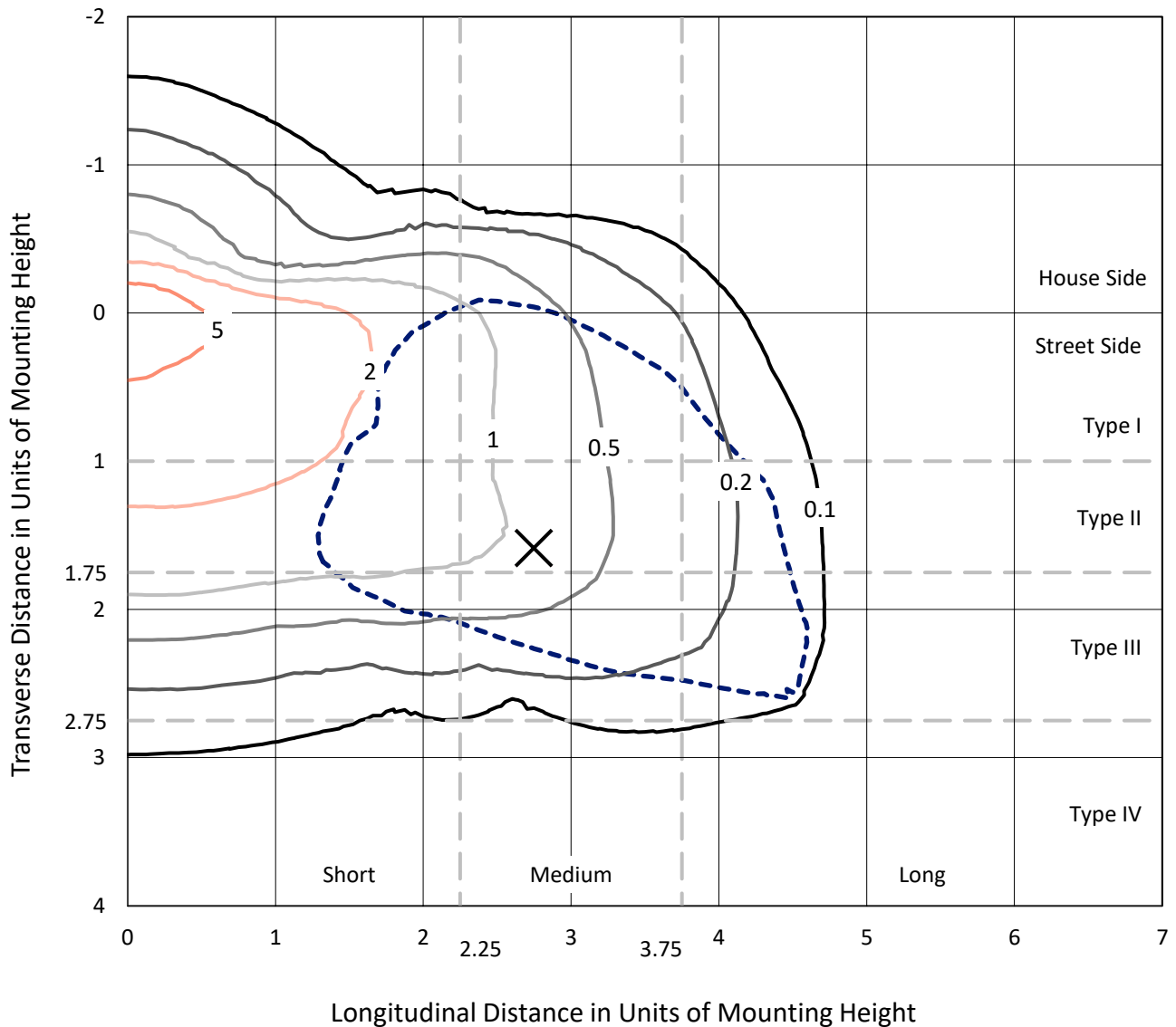
Lumens per Lamp: N/A  
Luminaire Lumens: 7583 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G3

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

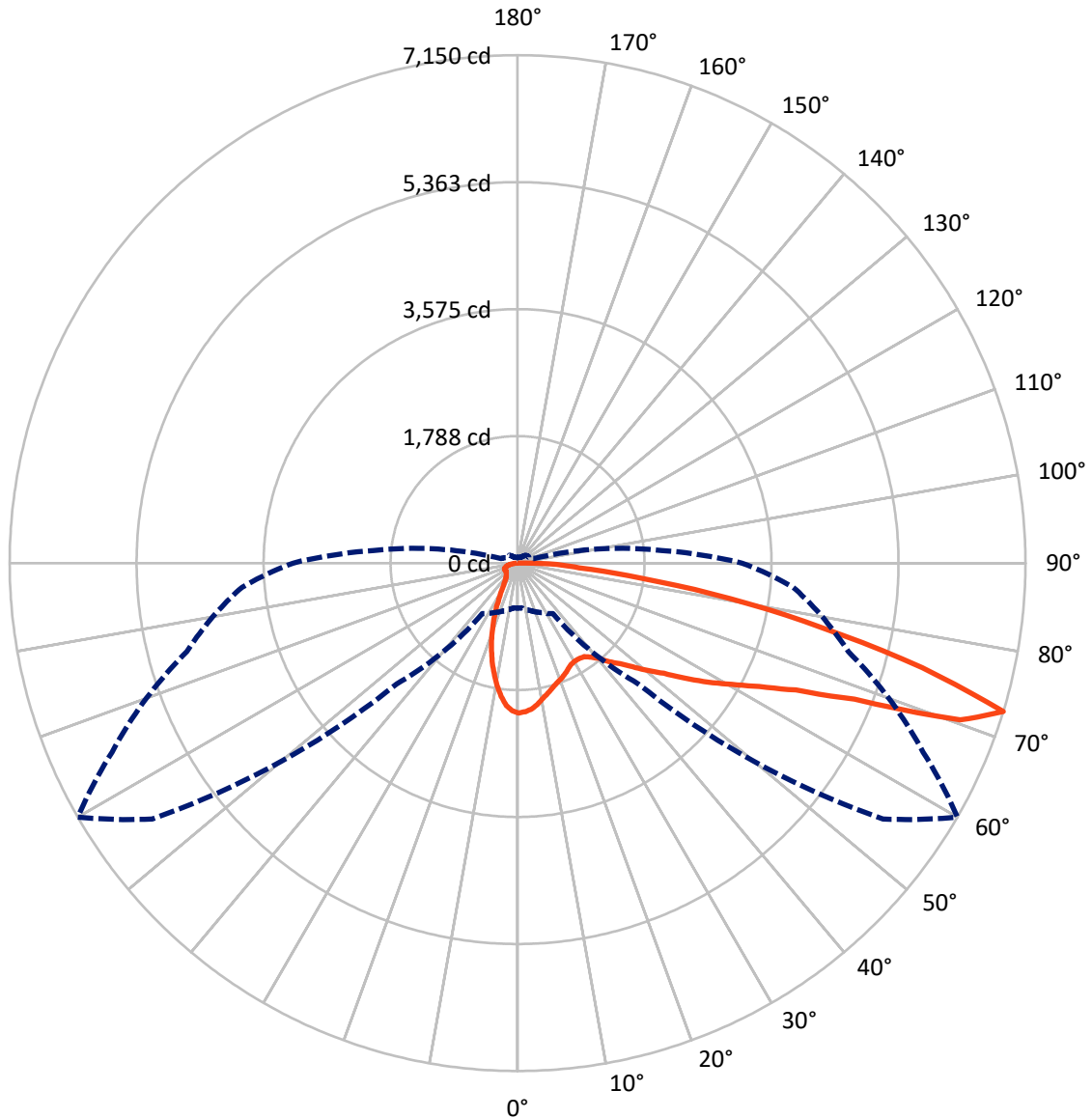
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.4 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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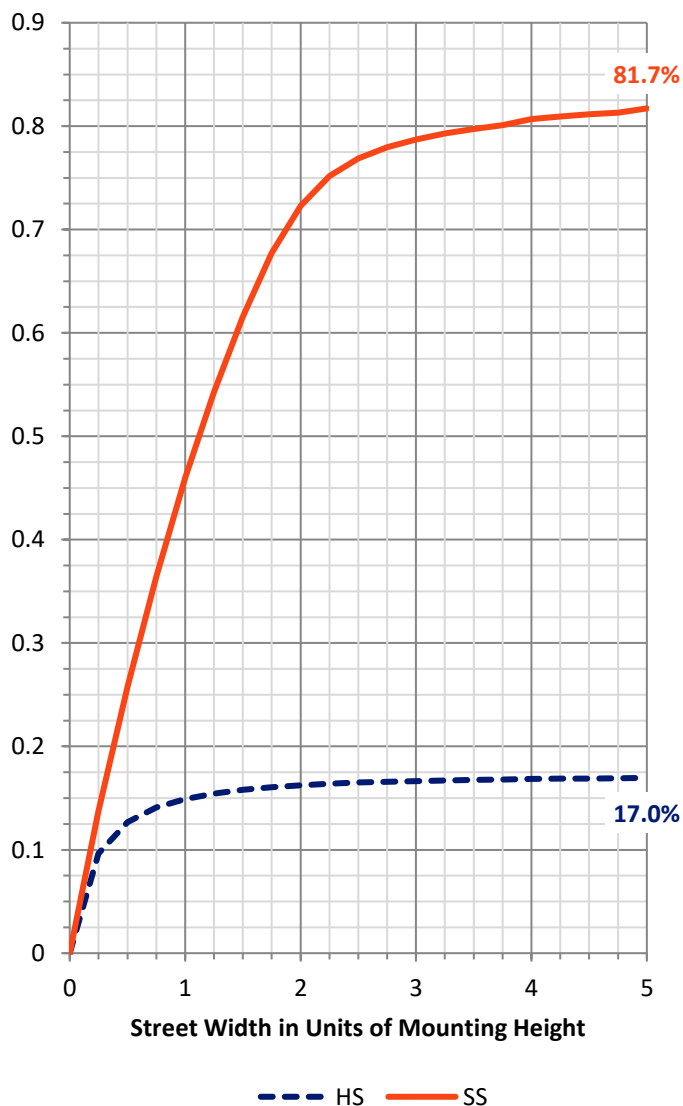
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1302.6	0.0	1302.6
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	6280.4	0.0	6280.4
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	7583.0	0.0	7583.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.0	2.4
10°-20°	415.0	5.5
20°-30°	531.1	7.0
30°-40°	679.5	9.0
40°-50°	931.9	12.3
50°-60°	1347.9	17.8
60°-70°	1849.1	24.4
70°-80°	1387.6	18.3
80°-90°	257.9	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°	7583.0	100.0
0°-180°	7583.0	100.0



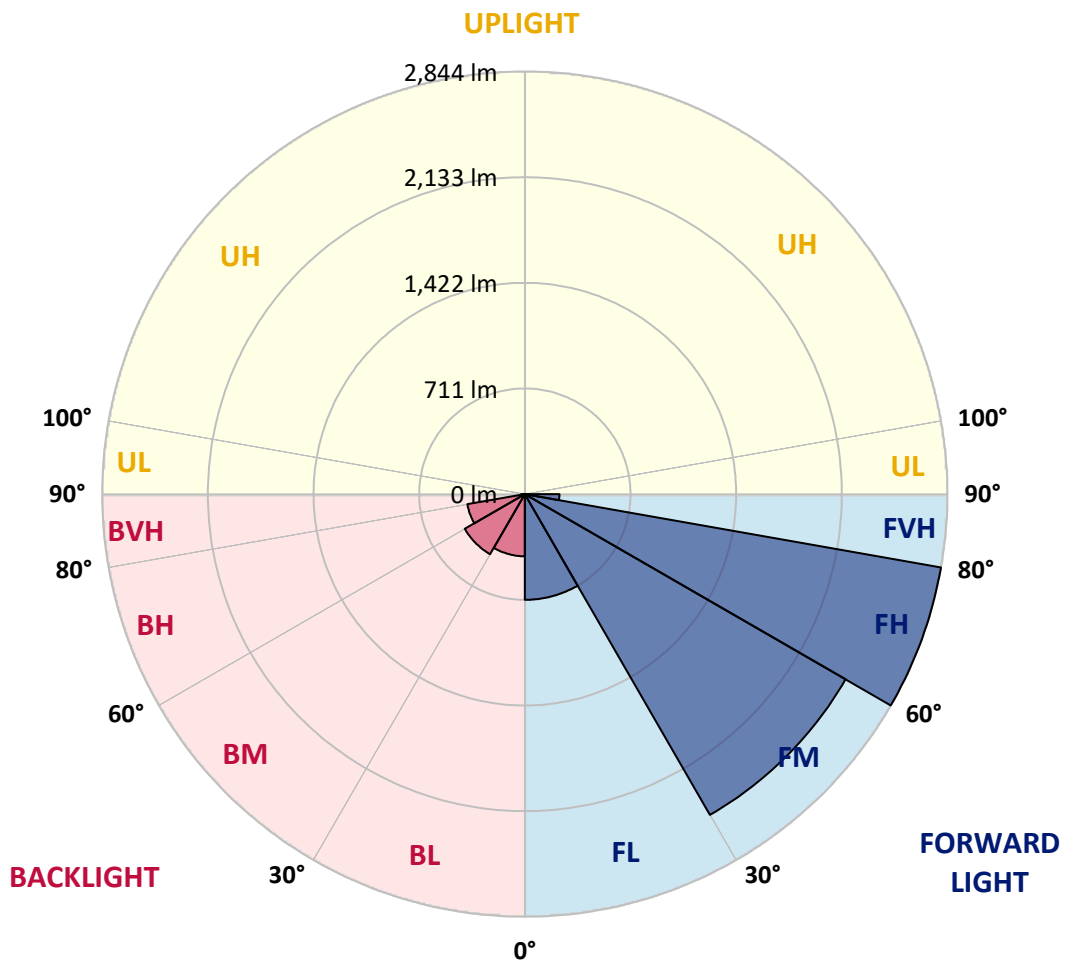
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	711.0	9.4			
FM (30°-60°)	2492.5	32.9			
FH (60°-80°)	2844.1	37.5			G2/5000
FVH (80°-90°)	232.8	3.1			G3/500
BL (0°-30°)	418.2	5.5	B1/500		
BM (30°-60°)	466.8	6.2	B1/1000		
BH (60°-80°)	392.5	5.2	B1/500		G1/500
BVH (80°-90°)	25.1	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°	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5
2.5°	2066.3	2086.1	2091.7	2091.7	2108.7	2088.9	2117.1	2094.6	2100.2	2108.7	2103.0
5°	1967.5	2001.4	1981.6	2018.3	2004.2	2029.6	2063.5	2063.5	2055.0	2072.0	2057.9
7.5°	1871.6	1860.3	1894.1	1894.1	1916.7	1950.6	1978.8	2007.0	2009.9	2015.5	2012.7
10°	1741.7	1755.8	1772.8	1795.3	1823.6	1857.4	1916.7	1939.3	1944.9	1978.8	1970.4
12.5°	1634.4	1654.2	1665.5	1710.6	1736.1	1784.0	1851.8	1882.8	1885.7	1933.7	1933.7
15°	1555.4	1566.7	1592.1	1609.0	1665.5	1733.2	1798.2	1826.4	1857.4	1908.2	1894.1
17.5°	1501.8	1515.9	1527.2	1549.7	1603.4	1659.8	1761.5	1778.4	1815.1	1888.5	1871.6
20°	1470.7	1473.5	1490.5	1504.6	1552.6	1606.2	1696.5	1741.7	1789.7	1854.6	1837.7
22.5°	1476.4	1465.1	1462.2	1482.0	1490.5	1541.3	1651.4	1699.4	1767.1	1843.3	1815.1
25°	1487.6	1490.5	1484.8	1467.9	1470.7	1515.9	1589.3	1651.4	1727.6	1840.5	1784.0
27.5°	1515.9	1530.0	1507.4	1490.5	1473.5	1490.5	1566.7	1611.8	1696.5	1854.6	1781.2
30°	1544.1	1558.2	1552.6	1527.2	1493.3	1487.6	1541.3	1597.7	1679.6	1865.9	1781.2
32.5°	1586.4	1606.2	1586.4	1594.9	1555.4	1530.0	1549.7	1600.6	1696.5	1905.4	1784.0
35°	1634.4	1651.4	1657.0	1637.3	1628.8	1580.8	1592.1	1617.5	1713.5	1950.6	1812.3
37.5°	1688.1	1707.8	1724.8	1727.6	1699.4	1671.1	1665.5	1679.6	1755.8	2029.6	1843.3
40°	1724.8	1736.1	1769.9	1798.2	1806.6	1767.1	1764.3	1764.3	1832.0	2100.2	1899.8
42.5°	1786.9	1781.2	1829.2	1880.0	1894.1	1871.6	1877.2	1899.8	1939.3	2201.8	1990.1
45°	1817.9	1812.3	1868.7	1953.4	2018.3	2007.0	2012.7	2021.2	2057.9	2362.7	2142.5
47.5°	1860.3	1865.9	1947.8	2043.7	2111.5	2151.0	2182.1	2179.2	2207.5	2526.5	2311.9
50°	1902.6	1913.9	2012.7	2114.3	2232.9	2300.6	2345.8	2376.8	2405.1	2698.6	2506.7
52.5°	1984.5	1995.8	2105.8	2215.9	2368.4	2467.2	2580.1	2577.3	2580.1	2870.8	2701.5
55°	2103.0	2105.8	2170.8	2297.8	2503.9	2684.5	2839.8	2856.7	2808.7	3085.4	2924.5
57.5°	2238.5	2249.8	2306.3	2402.2	2611.1	2893.4	3130.5	3164.4	3034.6	3260.4	3127.7
60°	2365.6	2374.0	2461.5	2571.6	2797.4	3155.9	3424.1	3463.6	3322.5	3474.9	3339.4
62.5°	2221.6	2263.9	2419.2	2670.4	3124.9	3554.0	3796.7	3822.1	3602.0	3692.3	3565.3
65°	1778.4	1806.6	2029.6	2436.1	3147.5	4276.6	4372.6	4304.9	3985.9	3971.8	3906.8
67.5°	990.8	1013.4	1165.8	1592.1	2650.7	4547.6	5611.8	5115.0	4581.5	4392.4	4369.8
70°	781.9	787.6	807.3	894.8	1470.7	4008.5	6588.5	6611.1	5555.4	4971.0	4468.6
72.5°	635.1	632.3	691.6	767.8	869.4	2405.1	6280.8	7150.3	6300.6	4818.6	3892.7
75°	485.5	494.0	570.2	680.3	796.0	1132.0	4685.9	5882.8	5902.6	4491.2	3283.0
77.5°	369.8	372.6	457.3	601.3	779.1	798.9	3057.1	4383.9	4403.6	3477.8	1809.4
80°	276.6	276.6	347.2	508.1	759.3	736.8	1882.8	3040.2	2752.3	1222.3	395.2
82.5°	158.1	169.4	231.5	386.7	688.8	708.5	1061.4	1741.7	1163.0	333.1	183.5
85°	84.7	87.5	141.1	259.7	567.4	677.5	810.2	866.6	462.9	177.8	84.7
87.5°	31.1	31.1	64.9	132.7	358.5	502.5	643.6	553.3	265.3	81.9	42.3
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°	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5	2111.5
2.5°	2108.7	2097.4	2088.9	2097.4	2066.3	2052.2	2069.2	2060.7	2043.7	2035.3	2029.6
5°	2066.3	2052.2	2038.1	2029.6	1995.8	1961.9	1944.9	1911.1	1882.8	1891.3	1874.4
7.5°	2021.2	2007.0	1964.7	1925.2	1857.4	1789.7	1758.6	1710.6	1693.7	1679.6	1671.1
10°	1964.7	1939.3	1874.4	1795.3	1696.5	1620.3	1541.3	1484.8	1425.5	1400.1	1408.6
12.5°	1894.1	1880.0	1778.4	1657.0	1518.7	1391.7	1298.5	1208.2	1129.1	1086.8	1075.5
15°	1863.1	1820.7	1674.0	1513.0	1338.0	1180.0	1041.6	883.6	790.4	745.2	745.2
17.5°	1829.2	1750.2	1575.2	1355.0	1154.5	951.3	756.5	612.6	539.2	513.8	513.8
20°	1775.6	1688.1	1459.4	1205.4	962.6	717.0	542.0	462.9	440.4	423.4	426.3
22.5°	1736.1	1628.8	1352.1	1058.6	762.2	533.5	426.3	400.8	392.4	386.7	389.6
25°	1690.9	1558.2	1239.2	900.5	598.4	420.6	369.8	358.5	364.1	367.0	367.0
27.5°	1654.2	1498.9	1123.5	731.1	451.7	355.7	333.1	330.3	341.6	347.2	350.0
30°	1628.8	1445.3	1010.6	575.9	361.3	316.2	304.9	304.9	319.0	324.6	327.5
32.5°	1603.4	1400.1	889.2	440.4	307.7	282.3	279.5	282.3	290.8	290.8	293.6
35°	1611.8	1357.8	773.5	355.7	276.6	259.7	259.7	259.7	262.5	265.3	265.3
37.5°	1628.8	1346.5	649.3	299.2	254.1	242.8	242.8	239.9	242.8	239.9	242.8
40°	1645.7	1329.6	536.3	265.3	239.9	231.5	228.7	223.0	220.2	220.2	223.0
42.5°	1716.3	1352.1	440.4	242.8	228.7	223.0	214.5	208.9	206.1	206.1	206.1
45°	1806.6	1394.5	364.1	231.5	220.2	206.1	200.4	197.6	192.0	194.8	197.6
47.5°	1942.1	1459.4	319.0	223.0	211.7	194.8	189.1	183.5	183.5	189.1	189.1
50°	2120.0	1566.7	290.8	214.5	203.2	186.3	177.8	175.0	175.0	183.5	183.5
52.5°	2311.9	1690.9	279.5	211.7	194.8	177.8	169.4	166.5	166.5	177.8	177.8
55°	2503.9	1843.3	287.9	211.7	189.1	169.4	160.9	155.3	158.1	166.5	166.5
57.5°	2715.6	2007.0	330.3	211.7	183.5	166.5	155.3	146.8	149.6	152.4	152.4
60°	2947.1	2221.6	403.7	211.7	180.7	160.9	146.8	135.5	135.5	138.3	138.3
62.5°	3181.4	2433.3	508.1	214.5	183.5	158.1	135.5	124.2	121.4	124.2	124.2
65°	3489.0	2772.0	612.6	214.5	192.0	152.4	127.0	112.9	110.1	110.1	112.9
67.5°	3920.9	3014.8	474.2	206.1	197.6	152.4	118.6	104.4	98.8	98.8	98.8
70°	3692.3	2543.4	302.0	192.0	189.1	158.1	112.9	96.0	90.3	87.5	87.5
72.5°	3161.6	2035.3	242.8	180.7	175.0	155.3	107.3	90.3	81.9	79.0	79.0
75°	2534.9	1606.2	211.7	163.7	152.4	129.9	98.8	81.9	76.2	70.6	70.6
77.5°	1242.1	671.8	160.9	144.0	129.9	98.8	87.5	76.2	67.7	62.1	62.1
80°	310.5	234.3	118.6	112.9	96.0	76.2	70.6	64.9	59.3	53.6	53.6
82.5°	166.5	138.3	84.7	76.2	64.9	53.6	53.6	50.8	48.0	42.3	39.5
85°	84.7	81.9	56.5	50.8	42.3	33.9	36.7	36.7	33.9	25.4	25.4
87.5°	45.2	45.2	28.2	22.6	19.8	16.9	16.9	16.9	14.1	11.3	11.3
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)