

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: P671123

Luminaire Tested: **CCP-SA-2E-750-U-T4W**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671123  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-750-U-T4W  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4W distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

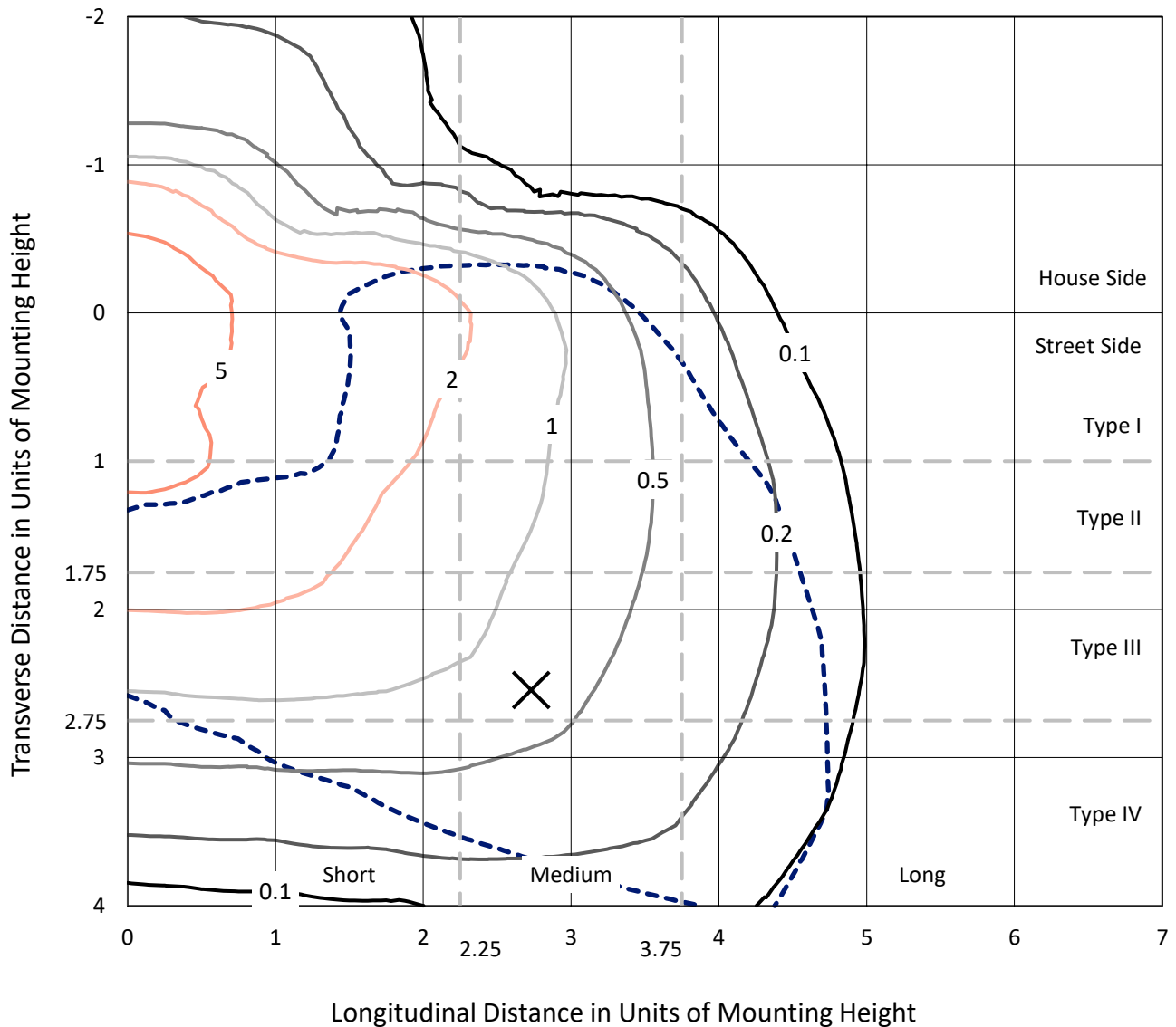
Lumens per Lamp: N/A  
Luminaire Lumens: 14109.6 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

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

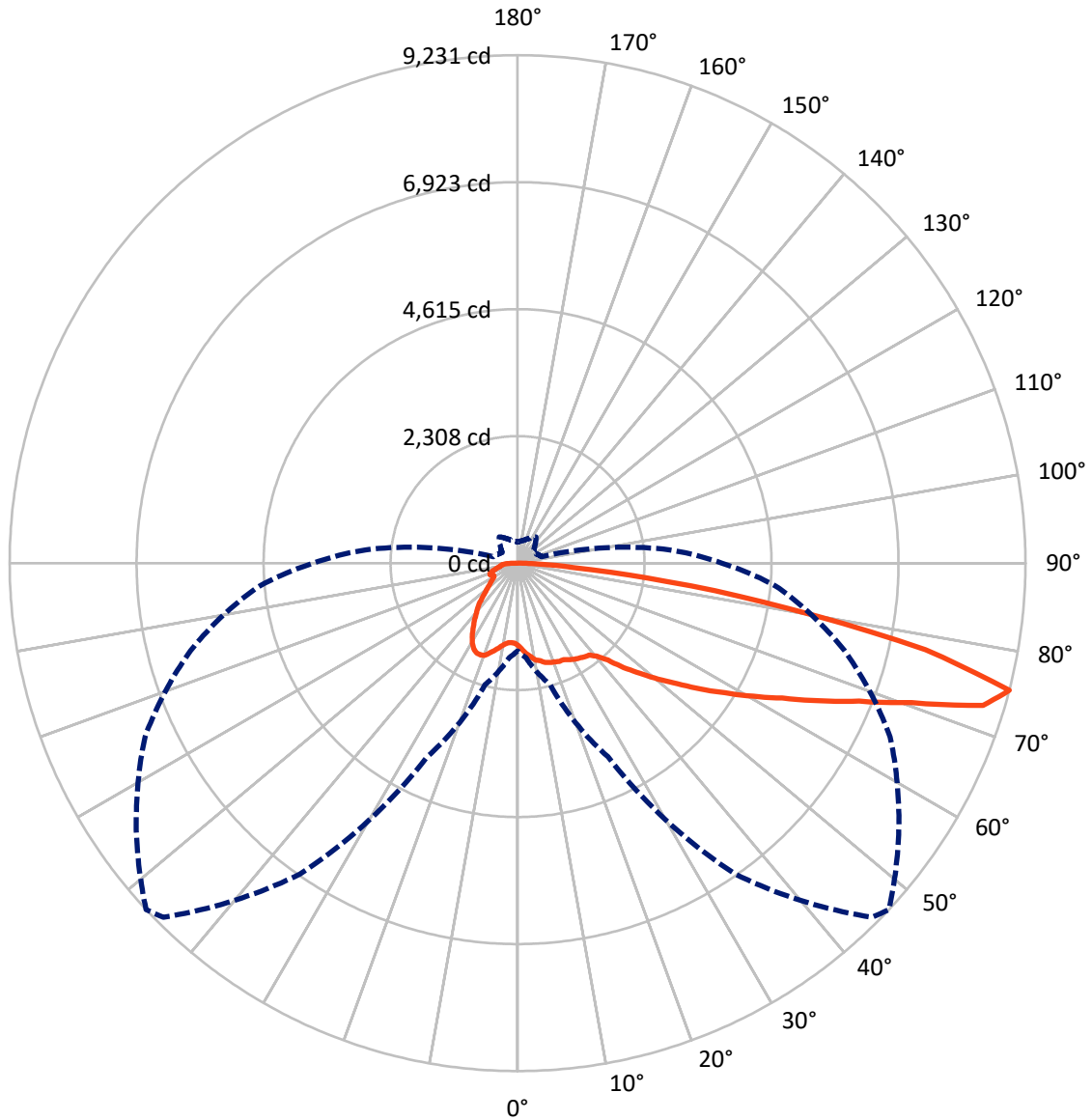
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.5 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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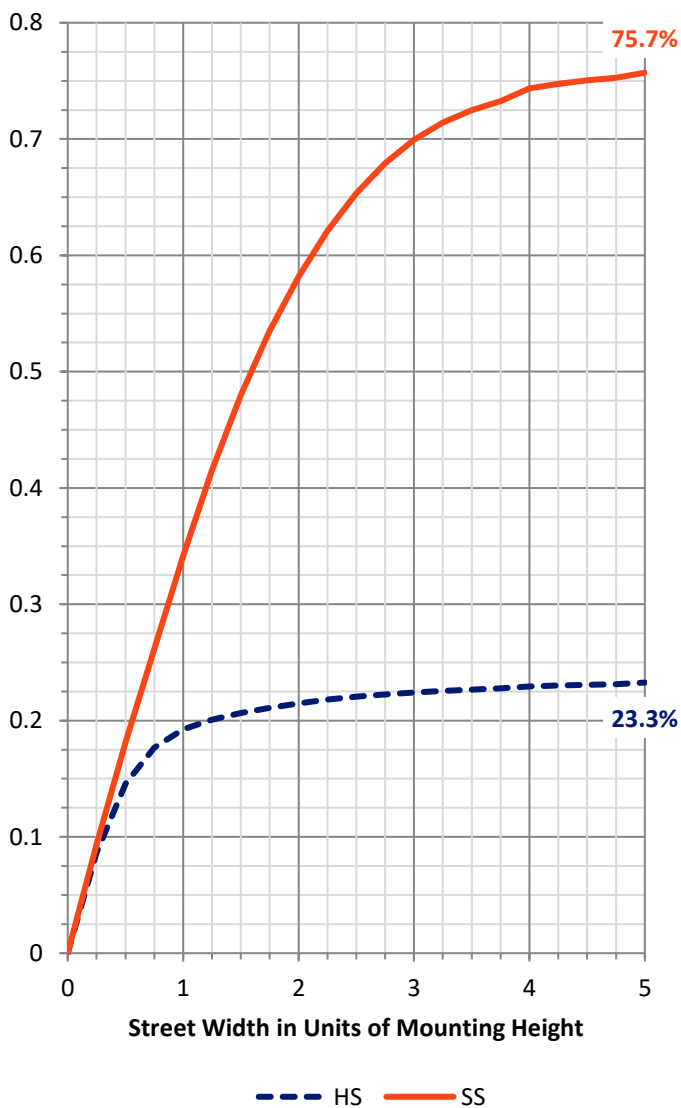
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3374.3	0.0	3374.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	10735.3	0.0	10735.3
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	14109.6	0.0	14109.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.4	1.1
10°-20°	502.9	3.6
20°-30°	861.5	6.1
30°-40°	1205.3	8.5
40°-50°	1680.6	11.9
50°-60°	2512.0	17.8
60°-70°	3621.7	25.7
70°-80°	3082.9	21.8
80°-90°	491.1	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°	14109.6	100.0
0°-180°	14109.6	100.0



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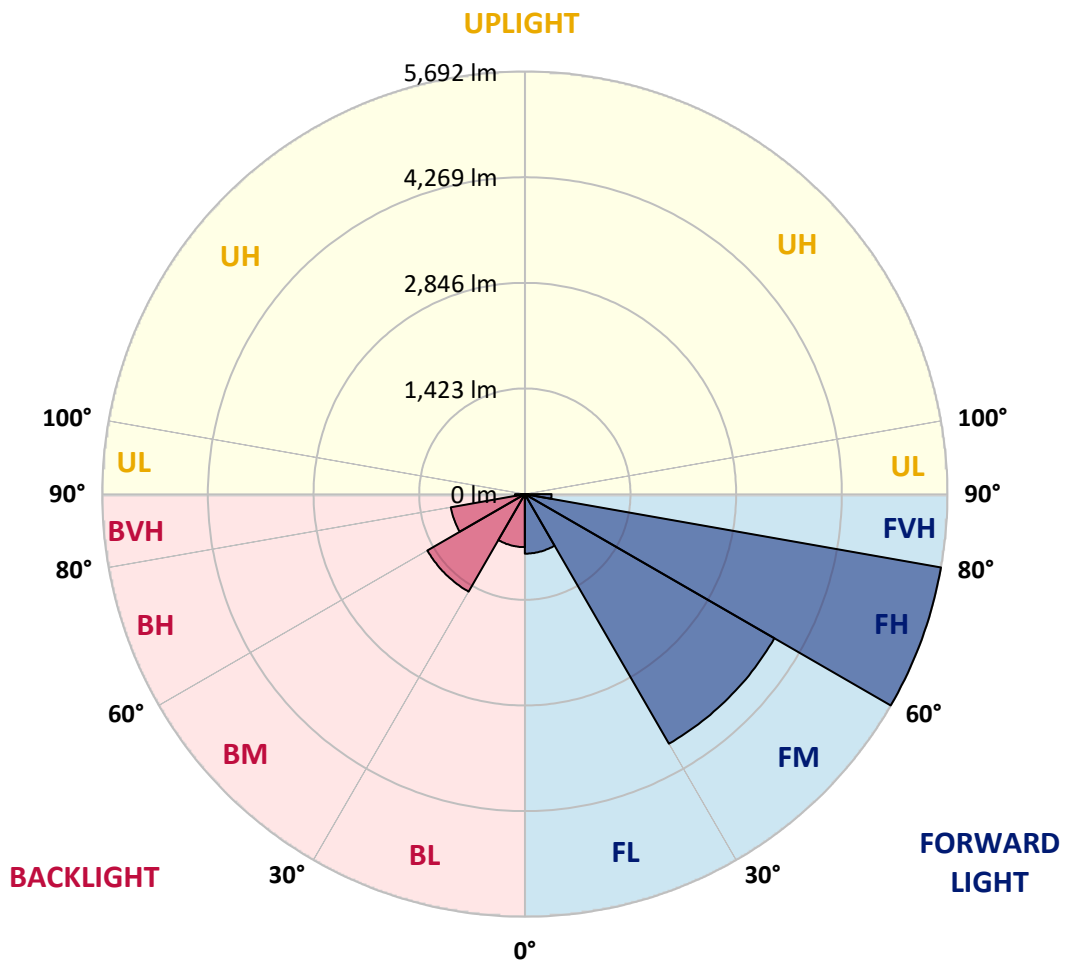
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	801.6	5.7			
FM (30°-60°)	3881.4	27.5			
FH (60°-80°)	5692.4	40.3			G3/7500
FVH (80°-90°)	359.8	2.6			G3/500
BL (0°-30°)	714.2	5.1	B2/1000		
BM (30°-60°)	1516.5	10.7	B2/2500		
BH (60°-80°)	1012.3	7.2	B3/2500		G3/2500
BVH (80°-90°)	131.3	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1
2.5°	1606.3	1611.4	1611.4	1601.1	1590.8	1570.2	1570.2	1549.6	1539.3	1513.6	1503.3
5°	1755.6	1740.1	1724.7	1719.5	1693.8	1657.7	1652.6	1632.0	1575.4	1549.6	1513.6
7.5°	1863.7	1858.5	1853.4	1832.8	1786.4	1729.8	1714.4	1683.5	1626.8	1575.4	1534.2
10°	1951.2	1971.8	1951.2	1904.9	1858.5	1796.7	1791.6	1735.0	1683.5	1621.7	1570.2
12.5°	2049.0	2054.1	2018.1	1961.5	1889.4	1837.9	1817.3	1796.7	1740.1	1688.6	1611.4
15°	2115.9	2105.6	2079.9	2002.7	1920.3	1868.8	1874.0	1848.2	1786.4	1750.4	1668.0
17.5°	2115.9	2115.9	2074.7	2018.1	1946.0	1899.7	1899.7	1884.3	1843.1	1791.6	1735.0
20°	2074.7	2074.7	2049.0	2018.1	1935.7	1925.4	1915.1	1904.9	1904.9	1858.5	1776.1
22.5°	2023.3	2013.0	2023.3	1971.8	1915.1	1925.4	1940.9	1935.7	1920.3	1879.1	1822.5
25°	1971.8	1976.9	1987.2	1951.2	1899.7	1946.0	1940.9	1966.6	1956.3	1925.4	1879.1
27.5°	1966.6	1976.9	1982.1	1946.0	1925.4	1966.6	1987.2	2013.0	2018.1	1987.2	1930.6
30°	2043.9	2038.7	2033.6	1987.2	1971.8	2007.8	2028.4	2064.4	2095.3	2028.4	1982.1
32.5°	2244.6	2213.7	2182.9	2059.3	2013.0	2038.7	2059.3	2110.8	2115.9	2079.9	2013.0
35°	2563.8	2543.2	2440.3	2224.0	2095.3	2069.6	2090.2	2126.2	2136.5	2110.8	2059.3
37.5°	2929.4	2919.1	2774.9	2512.3	2265.2	2141.7	2121.1	2172.6	2213.7	2157.1	2085.0
40°	3289.7	3248.5	3145.6	2888.2	2481.5	2249.8	2224.0	2249.8	2265.2	2224.0	2177.7
42.5°	3614.1	3567.7	3542.0	3284.6	2764.6	2430.0	2409.4	2347.6	2393.9	2342.5	2280.7
45°	3886.9	3876.6	3866.3	3645.0	3088.9	2723.4	2708.0	2548.4	2599.9	2558.7	2471.2
47.5°	4082.6	4128.9	4113.4	3989.9	3459.6	3037.5	2991.1	2785.2	2862.4	2821.2	2733.7
50°	4314.2	4340.0	4324.5	4242.2	3804.6	3397.8	3310.3	3099.2	3186.8	3181.6	3135.3
52.5°	4520.2	4597.4	4509.9	4504.7	4298.8	3789.1	3639.8	3439.0	3583.2	3639.8	3634.7
55°	4762.1	4823.9	4798.2	4787.9	4741.5	4170.1	4036.2	3794.3	4036.2	4118.6	4190.7
57.5°	4968.1	4962.9	5060.7	5179.1	5235.8	4607.7	4448.1	4164.9	4530.5	4623.1	4823.9
60°	5060.7	5148.2	5313.0	5611.6	5771.2	5076.2	4911.4	4684.9	5029.8	5101.9	5472.6
62.5°	5122.5	5199.7	5518.9	6023.4	6116.1	5555.0	5400.5	5174.0	5575.5	5627.0	6177.9
65°	4952.6	5024.7	5657.9	6177.9	6507.4	6069.8	6033.7	5796.9	6121.3	6152.2	6919.2
67.5°	4757.0	4834.2	5539.5	6373.5	7027.4	6754.5	6697.9	6414.7	6661.8	6625.8	7485.5
70°	4412.0	4515.0	5235.8	6543.4	7604.0	7712.1	7598.8	7197.2	7223.0	6883.2	7511.3
72.5°	3361.8	3428.7	4098.0	5869.0	7871.7	9040.3	8844.7	8041.6	7748.1	6934.7	6630.9
75°	1596.0	1719.5	2285.8	3881.8	6898.6	9102.1	9230.8	8458.6	7470.1	6152.2	4700.3
77.5°	463.3	463.3	695.0	1647.4	4324.5	7336.2	7578.2	7181.8	6162.4	4556.2	2471.2
80°	252.3	267.7	365.5	581.8	1899.7	4628.3	4978.4	4762.1	3629.5	1801.9	638.4
82.5°	144.2	149.3	242.0	350.1	864.9	2517.5	2723.4	2471.2	1379.7	545.7	298.6
85°	82.4	87.5	139.0	231.7	514.8	926.7	1009.1	875.2	556.0	365.5	149.3
87.5°	41.2	41.2	66.9	108.1	262.6	262.6	257.4	314.0	334.6	221.4	66.9
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°	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1
2.5°	1498.1	1493.0	1493.0	1472.4	1467.2	1451.8	1451.8	1441.5	1436.4	1451.8	1451.8
5°	1503.3	1477.5	1472.4	1451.8	1457.0	1446.7	1467.2	1457.0	1451.8	1451.8	1446.7
7.5°	1513.6	1487.8	1467.2	1451.8	1446.7	1462.1	1487.8	1487.8	1518.7	1503.3	1503.3
10°	1539.3	1523.9	1498.1	1487.8	1487.8	1503.3	1534.2	1554.8	1580.5	1580.5	1565.1
12.5°	1601.1	1575.4	1544.5	1529.0	1549.6	1565.1	1596.0	1616.5	1647.4	1657.7	1647.4
15°	1647.4	1621.7	1611.4	1601.1	1616.5	1637.1	1662.9	1683.5	1719.5	1729.8	1724.7
17.5°	1709.2	1678.3	1673.2	1678.3	1688.6	1704.1	1719.5	1735.0	1760.7	1760.7	1760.7
20°	1740.1	1729.8	1724.7	1740.1	1760.7	1781.3	1771.0	1760.7	1755.6	1765.8	1760.7
22.5°	1796.7	1786.4	1791.6	1807.0	1807.0	1796.7	1781.3	1745.3	1735.0	1745.3	1735.0
25°	1848.2	1837.9	1837.9	1827.6	1822.5	1786.4	1755.6	1724.7	1688.6	1704.1	1698.9
27.5°	1899.7	1894.6	1894.6	1853.4	1801.9	1740.1	1698.9	1662.9	1642.3	1668.0	1652.6
30°	1961.5	1966.6	1940.9	1843.1	1719.5	1652.6	1606.3	1601.1	1596.0	1611.4	1606.3
32.5°	2018.1	2023.3	1982.1	1827.6	1657.7	1529.0	1482.7	1487.8	1513.6	1539.3	1565.1
35°	2049.0	2074.7	2023.3	1776.1	1534.2	1390.0	1338.5	1384.9	1431.2	1467.2	1493.0
37.5°	2105.6	2172.6	2085.0	1719.5	1426.1	1266.5	1230.4	1245.9	1302.5	1359.1	1384.9
40°	2188.0	2265.2	2100.5	1611.4	1281.9	1142.9	1122.3	1127.5	1148.1	1184.1	1209.8
42.5°	2332.2	2414.5	2115.9	1472.4	1137.8	1065.7	1009.1	993.6	978.2	978.2	973.0
45°	2543.2	2620.5	2095.3	1297.4	993.6	942.1	900.9	864.9	823.7	756.8	767.1
47.5°	2852.1	2913.9	2110.8	1142.9	859.8	818.6	787.7	746.5	684.7	612.6	607.5
50°	3320.6	3227.9	2090.2	983.3	761.9	725.9	700.2	643.5	571.5	520.0	514.8
52.5°	3866.3	3681.0	2069.6	849.5	679.6	648.7	628.1	566.3	499.4	473.6	468.5
55°	4525.3	4257.6	2100.5	731.1	617.8	592.0	571.5	514.8	463.3	442.7	437.6
57.5°	5302.7	4880.5	2270.4	638.4	550.9	540.6	535.4	489.1	442.7	427.3	422.2
60°	6033.7	5477.7	2383.6	571.5	489.1	499.4	509.7	489.1	437.6	427.3	427.3
62.5°	6646.4	5972.0	2203.4	514.8	458.2	489.1	535.4	520.0	499.4	509.7	499.4
65°	7187.0	6141.9	1647.4	483.9	442.7	514.8	592.0	586.9	540.6	550.9	545.7
67.5°	7279.6	5935.9	1076.0	458.2	432.5	566.3	664.1	602.3	509.7	509.7	494.2
70°	6893.5	5385.1	720.8	432.5	427.3	566.3	679.6	566.3	478.8	478.8	458.2
72.5°	5657.9	4303.9	556.0	406.7	391.3	504.5	643.5	535.4	447.9	437.6	401.6
75°	3717.0	2774.9	453.0	386.1	339.8	442.7	581.8	494.2	427.3	396.4	381.0
77.5°	1822.5	1245.9	381.0	339.8	293.4	386.1	530.3	468.5	401.6	370.7	360.4
80°	499.4	447.9	319.2	298.6	247.1	334.6	499.4	447.9	375.8	344.9	329.5
82.5°	283.2	278.0	257.4	242.0	205.9	334.6	504.5	447.9	355.2	350.1	298.6
85°	154.4	164.7	185.3	180.2	159.6	298.6	478.8	391.3	288.3	242.0	242.0
87.5°	61.8	77.2	92.7	103.0	108.1	221.4	360.4	298.6	221.4	185.3	185.3
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)