

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: P671355

Luminaire Tested: **CCP-SA-2D-722-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671355
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-722-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL3 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

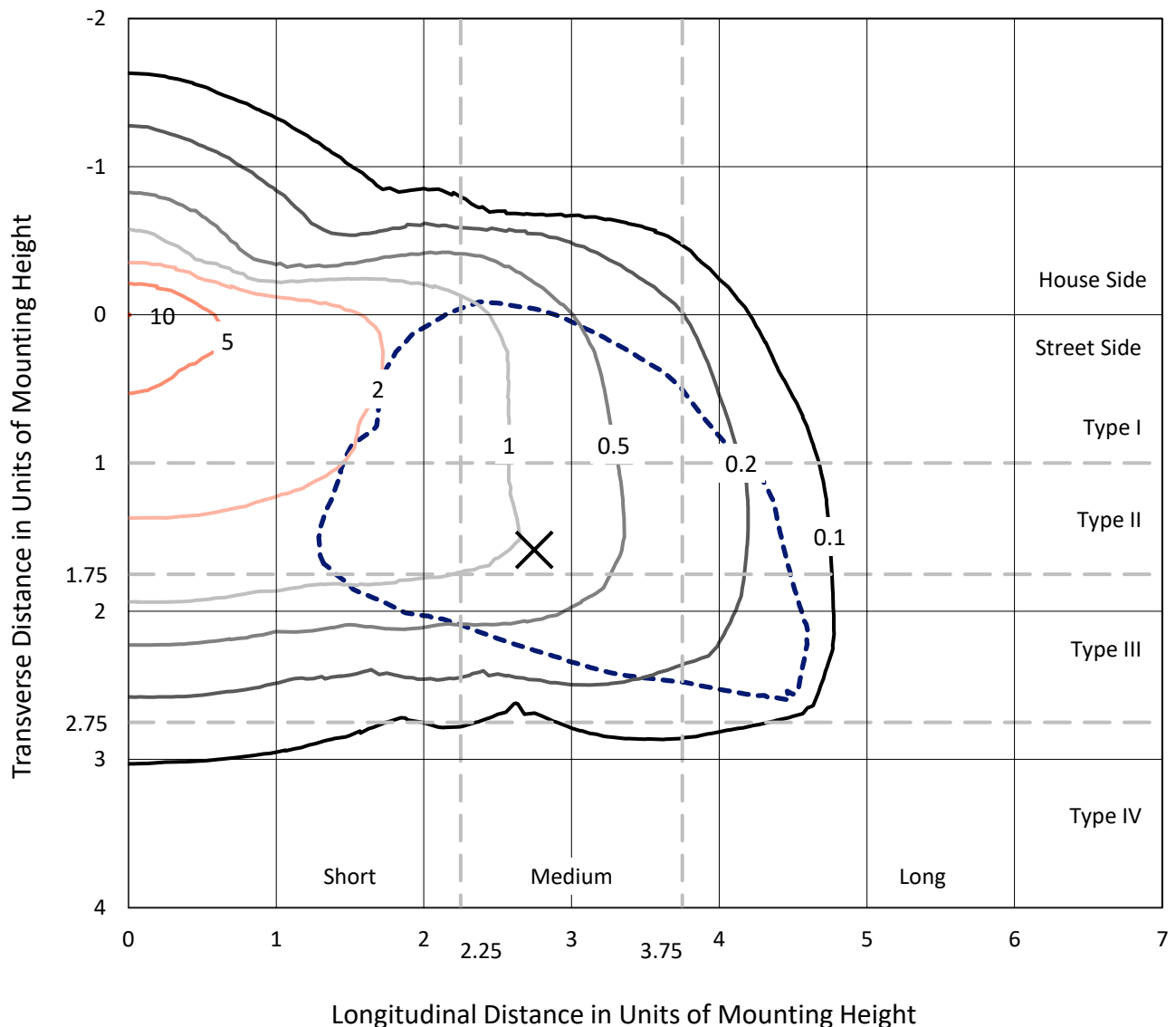
Lumens per Lamp: N/A
Luminaire Lumens: 8122.6 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 80.8
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

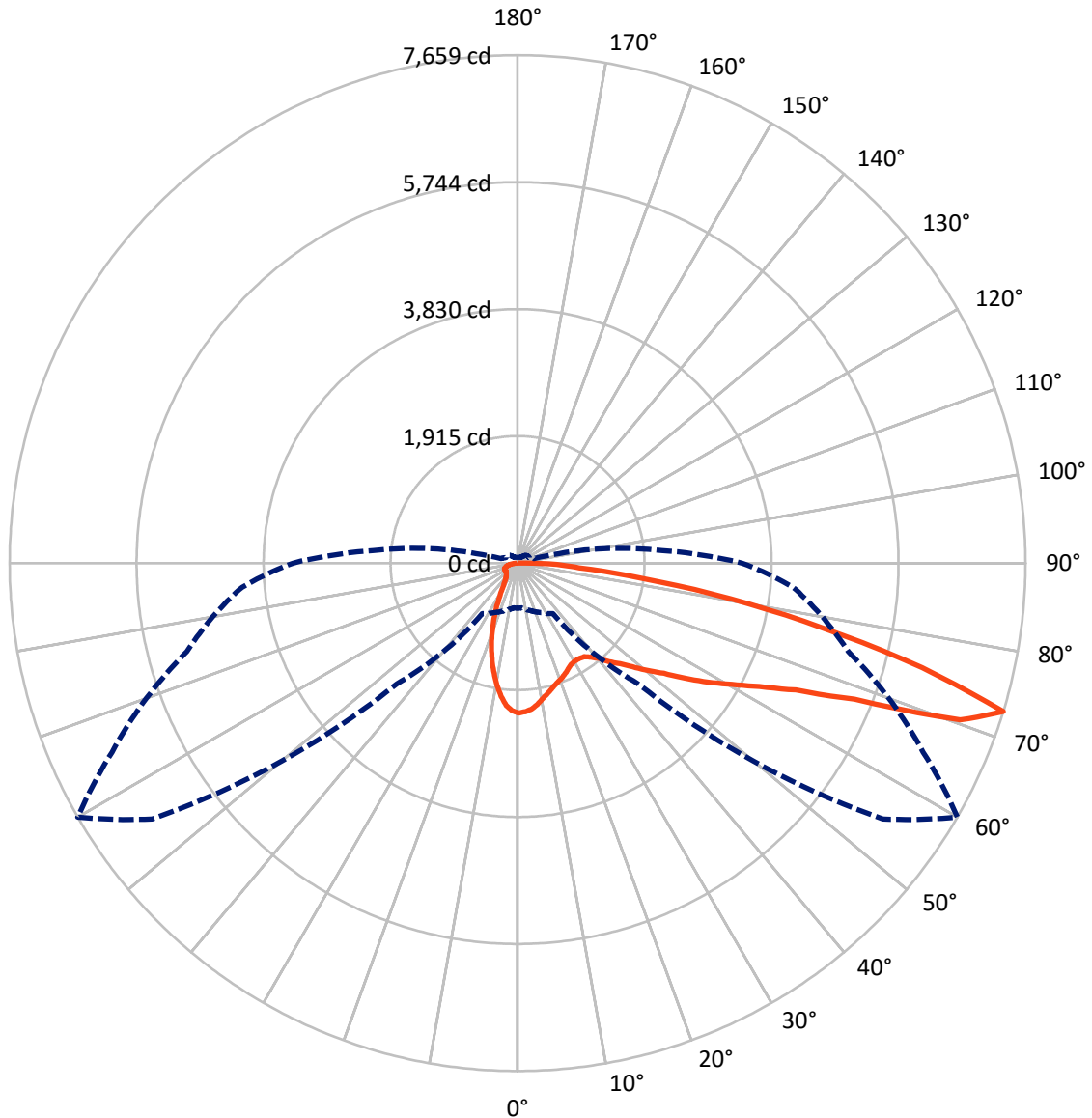
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 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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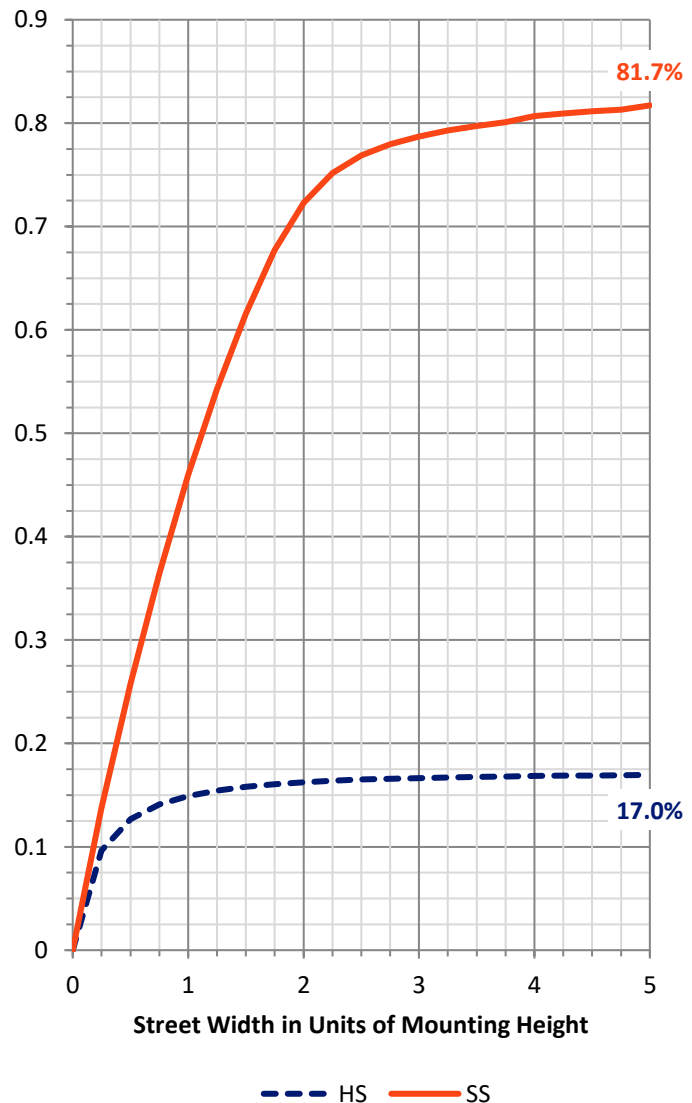
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1395.3	0.0	1395.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	6727.3	0.0	6727.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	8122.6	0.0	8122.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.0	2.4
10°-20°	444.6	5.5
20°-30°	568.9	7.0
30°-40°	727.8	9.0
40°-50°	998.2	12.3
50°-60°	1443.8	17.8
60°-70°	1980.7	24.4
70°-80°	1486.3	18.3
80°-90°	276.2	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°	8122.6	100.0
0°-180°	8122.6	100.0



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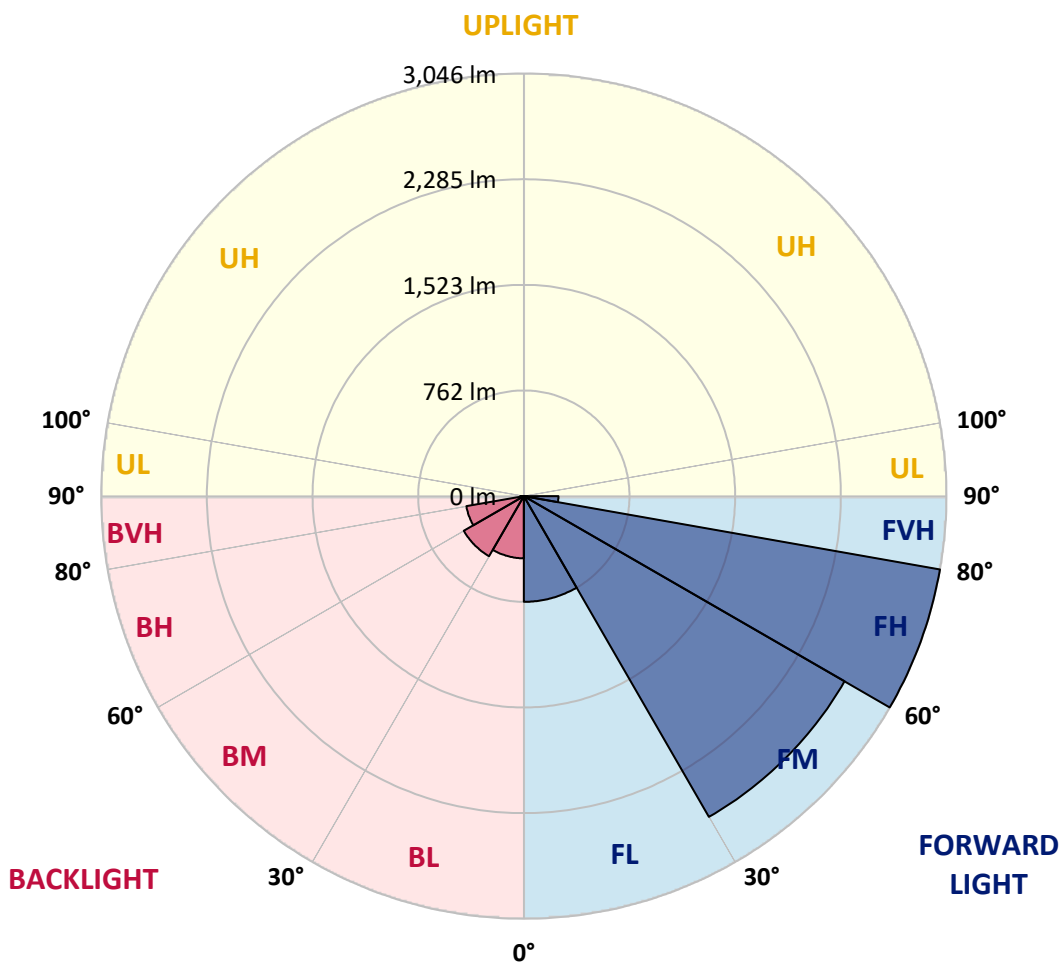
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.6	9.4			
FM (30°-60°)	2669.8	32.9			
FH (60°-80°)	3046.5	37.5			G2/5000
FVH (80°-90°)	249.3	3.1			G3/500
BL (0°-30°)	447.9	5.5	B1/500		
BM (30°-60°)	500.0	6.2	B1/1000		
BH (60°-80°)	420.5	5.2	B1/500		G1/500
BVH (80°-90°)	26.9	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°	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8
2.5°	2213.4	2234.5	2240.6	2240.6	2258.7	2237.6	2267.8	2243.6	2249.7	2258.7	2252.7
5°	2107.5	2143.8	2122.7	2162.0	2146.8	2174.1	2210.3	2210.3	2201.3	2219.4	2204.3
7.5°	2004.7	1992.6	2028.9	2028.9	2053.1	2089.4	2119.6	2149.9	2152.9	2158.9	2155.9
10°	1865.6	1880.8	1898.9	1923.1	1953.3	1989.6	2053.1	2077.3	2083.4	2119.6	2110.6
12.5°	1750.7	1771.9	1784.0	1832.4	1859.6	1911.0	1983.6	2016.8	2019.9	2071.3	2071.3
15°	1666.1	1678.2	1705.4	1723.5	1784.0	1856.6	1926.1	1956.4	1989.6	2044.0	2028.9
17.5°	1608.6	1623.7	1635.8	1660.0	1717.5	1778.0	1886.8	1905.0	1944.3	2022.9	2004.7
20°	1575.4	1578.4	1596.5	1611.6	1663.1	1720.5	1817.3	1865.6	1917.0	1986.6	1968.4
22.5°	1581.4	1569.3	1566.3	1587.5	1596.5	1651.0	1768.9	1820.3	1892.9	1974.5	1944.3
25°	1593.5	1596.5	1590.5	1572.3	1575.4	1623.7	1702.4	1768.9	1850.5	1971.5	1911.0
27.5°	1623.7	1638.9	1614.7	1596.5	1578.4	1596.5	1678.2	1726.6	1817.3	1986.6	1908.0
30°	1654.0	1669.1	1663.1	1635.8	1599.6	1593.5	1651.0	1711.4	1799.1	1998.7	1908.0
32.5°	1699.3	1720.5	1699.3	1708.4	1666.1	1638.9	1660.0	1714.5	1817.3	2041.0	1911.0
35°	1750.7	1768.9	1774.9	1753.8	1744.7	1693.3	1705.4	1732.6	1835.4	2089.4	1941.2
37.5°	1808.2	1829.4	1847.5	1850.5	1820.3	1790.0	1784.0	1799.1	1880.8	2174.1	1974.5
40°	1847.5	1859.6	1895.9	1926.1	1935.2	1892.9	1889.8	1889.8	1962.4	2249.7	2035.0
42.5°	1914.0	1908.0	1959.4	2013.8	2028.9	2004.7	2010.8	2035.0	2077.3	2358.5	2131.7
45°	1947.3	1941.2	2001.7	2092.4	2162.0	2149.9	2155.9	2165.0	2204.3	2530.9	2295.0
47.5°	1992.6	1998.7	2086.4	2189.2	2261.8	2304.1	2337.3	2334.3	2364.6	2706.2	2476.4
50°	2038.0	2050.1	2155.9	2264.8	2391.8	2464.3	2512.7	2546.0	2576.2	2890.7	2685.1
52.5°	2125.7	2137.8	2255.7	2373.6	2536.9	2642.7	2763.7	2760.7	2763.7	3075.1	2893.7
55°	2252.7	2255.7	2325.2	2461.3	2682.0	2875.6	3041.9	3060.0	3008.6	3304.9	3132.6
57.5°	2397.8	2409.9	2470.4	2573.2	2797.0	3099.3	3353.3	3389.6	3250.5	3492.4	3350.3
60°	2533.9	2543.0	2636.7	2754.6	2996.5	3380.5	3667.8	3710.1	3558.9	3722.2	3577.1
62.5°	2379.7	2425.0	2591.3	2860.4	3347.3	3806.9	4066.9	4094.1	3858.3	3955.0	3819.0
65°	1905.0	1935.2	2174.1	2609.5	3371.5	4581.0	4683.8	4611.2	4269.5	4254.4	4184.8
67.5°	1061.3	1085.5	1248.8	1705.4	2839.3	4871.2	6011.2	5479.0	4907.5	4704.9	4680.7
70°	837.6	843.6	864.8	958.5	1575.4	4293.7	7057.4	7081.6	5950.7	5324.8	4786.6
72.5°	680.3	677.3	740.8	822.5	931.3	2576.2	6727.8	7659.1	6749.0	5161.5	4169.7
75°	520.1	529.2	610.8	728.7	852.7	1212.5	5019.4	6301.5	6322.6	4810.8	3516.6
77.5°	396.1	399.1	489.8	644.1	834.5	855.7	3274.7	4695.9	4717.0	3725.2	1938.2
80°	296.3	296.3	371.9	544.3	813.4	789.2	2016.8	3256.6	2948.1	1309.3	423.3
82.5°	169.3	181.4	247.9	414.3	737.8	759.0	1136.9	1865.6	1245.8	356.8	196.5
85°	90.7	93.7	151.2	278.2	607.8	725.7	867.8	928.3	495.9	190.5	90.7
87.5°	33.3	33.3	69.5	142.1	384.0	538.2	689.4	592.7	284.2	87.7	45.4
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°	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8
2.5°	2258.7	2246.6	2237.6	2246.6	2213.4	2198.3	2216.4	2207.3	2189.2	2180.1	2174.1
5°	2213.4	2198.3	2183.1	2174.1	2137.8	2101.5	2083.4	2047.1	2016.8	2025.9	2007.8
7.5°	2165.0	2149.9	2104.5	2062.2	1989.6	1917.0	1883.8	1832.4	1814.2	1799.1	1790.0
10°	2104.5	2077.3	2007.8	1923.1	1817.3	1735.6	1651.0	1590.5	1527.0	1499.8	1508.8
12.5°	2028.9	2013.8	1905.0	1774.9	1626.8	1490.7	1390.9	1294.2	1209.5	1164.1	1152.0
15°	1995.7	1950.3	1793.1	1620.7	1433.2	1263.9	1115.8	946.4	846.6	798.3	798.3
17.5°	1959.4	1874.7	1687.2	1451.4	1236.7	1019.0	810.4	656.1	577.5	550.3	550.3
20°	1901.9	1808.2	1563.3	1291.1	1031.1	768.0	580.6	495.9	471.7	453.6	456.6
22.5°	1859.6	1744.7	1448.4	1133.9	816.4	571.5	456.6	429.4	420.3	414.3	417.3
25°	1811.2	1669.1	1327.4	964.6	641.0	450.5	396.1	384.0	390.1	393.1	393.1
27.5°	1771.9	1605.6	1203.4	783.1	483.8	381.0	356.8	353.8	365.9	371.9	374.9
30°	1744.7	1548.2	1082.5	616.8	387.0	338.7	326.6	326.6	341.7	347.7	350.8
32.5°	1717.5	1499.8	952.5	471.7	329.6	302.4	299.3	302.4	311.4	311.4	314.5
35°	1726.6	1454.4	828.5	381.0	296.3	278.2	278.2	278.2	281.2	284.2	284.2
37.5°	1744.7	1442.3	695.5	320.5	272.1	260.0	260.0	257.0	260.0	257.0	260.0
40°	1762.8	1424.2	574.5	284.2	257.0	247.9	244.9	238.9	235.9	235.9	238.9
42.5°	1838.4	1448.4	471.7	260.0	244.9	238.9	229.8	223.8	220.7	220.7	220.7
45°	1935.2	1493.7	390.1	247.9	235.9	220.7	214.7	211.7	205.6	208.6	211.7
47.5°	2080.3	1563.3	341.7	238.9	226.8	208.6	202.6	196.5	196.5	202.6	202.6
50°	2270.8	1678.2	311.4	229.8	217.7	199.6	190.5	187.5	187.5	196.5	196.5
52.5°	2476.4	1811.2	299.3	226.8	208.6	190.5	181.4	178.4	178.4	190.5	190.5
55°	2682.0	1974.5	308.4	226.8	202.6	181.4	172.4	166.3	169.3	178.4	178.4
57.5°	2908.8	2149.9	353.8	226.8	196.5	178.4	166.3	157.2	160.3	163.3	163.3
60°	3156.8	2379.7	432.4	226.8	193.5	172.4	157.2	145.1	145.1	148.2	148.2
62.5°	3407.7	2606.5	544.3	229.8	196.5	169.3	145.1	133.0	130.0	133.0	133.0
65°	3737.3	2969.3	656.1	229.8	205.6	163.3	136.1	120.9	117.9	117.9	120.9
67.5°	4200.0	3229.3	508.0	220.7	211.7	163.3	127.0	111.9	105.8	105.8	105.8
70°	3955.0	2724.4	323.5	205.6	202.6	169.3	120.9	102.8	96.8	93.7	93.7
72.5°	3386.6	2180.1	260.0	193.5	187.5	166.3	114.9	96.8	87.7	84.7	84.7
75°	2715.3	1720.5	226.8	175.4	163.3	139.1	105.8	87.7	81.6	75.6	75.6
77.5°	1330.4	719.6	172.4	154.2	139.1	105.8	93.7	81.6	72.6	66.5	66.5
80°	332.6	251.0	127.0	120.9	102.8	81.6	75.6	69.5	63.5	57.5	57.5
82.5°	178.4	148.2	90.7	81.6	69.5	57.5	57.5	54.4	51.4	45.4	42.3
85°	90.7	87.7	60.5	54.4	45.4	36.3	39.3	39.3	36.3	27.2	27.2
87.5°	48.4	48.4	30.2	24.2	21.2	18.1	18.1	18.1	15.1	12.1	12.1
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)