

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: P672274

Luminaire Tested: **CCP-SA-2D-750-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672274  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-750-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

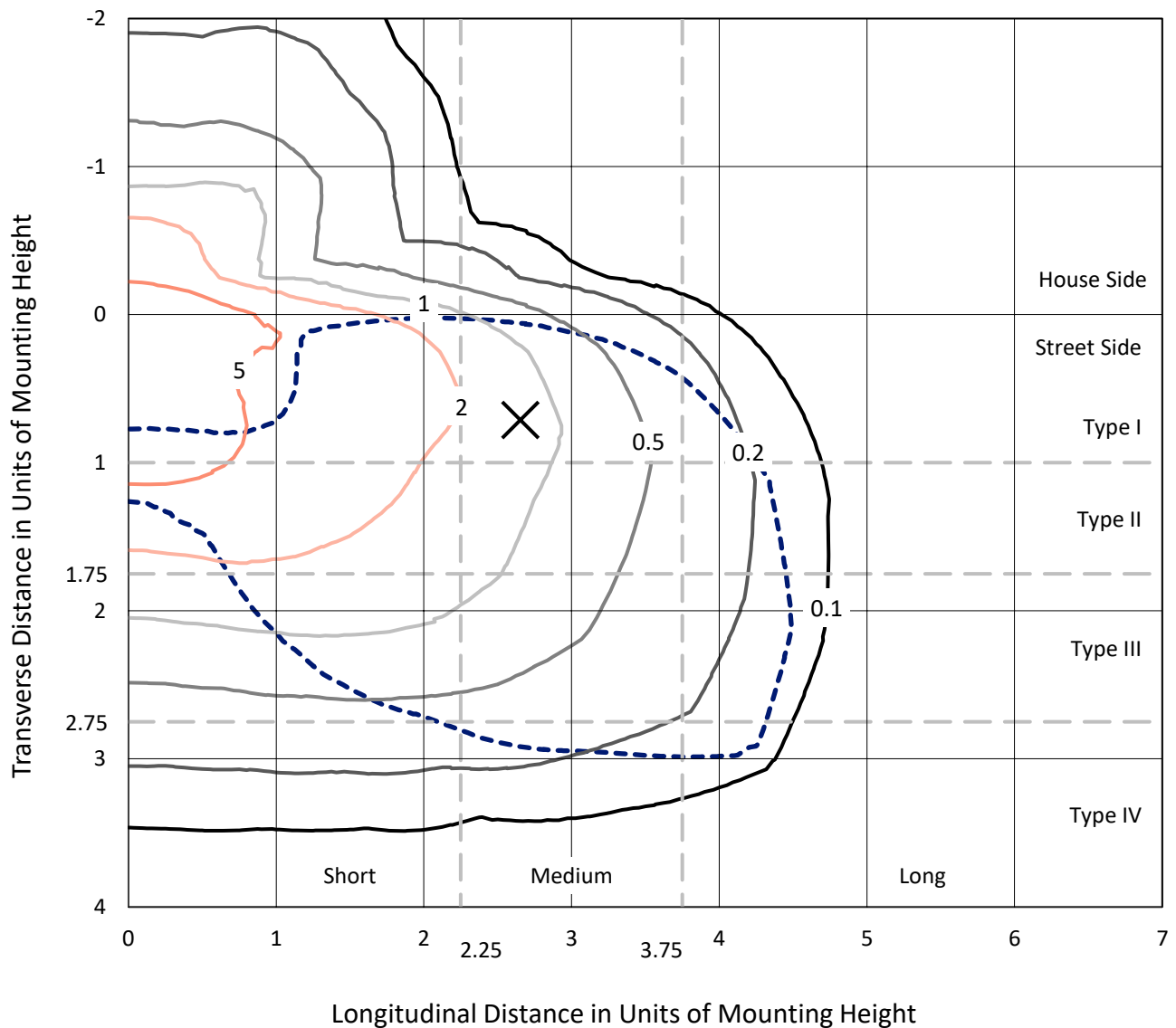
Lumens per Lamp: N/A  
Luminaire Lumens: 11595 lumens  
Efficiency: N/A  
Efficacy: 143.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

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

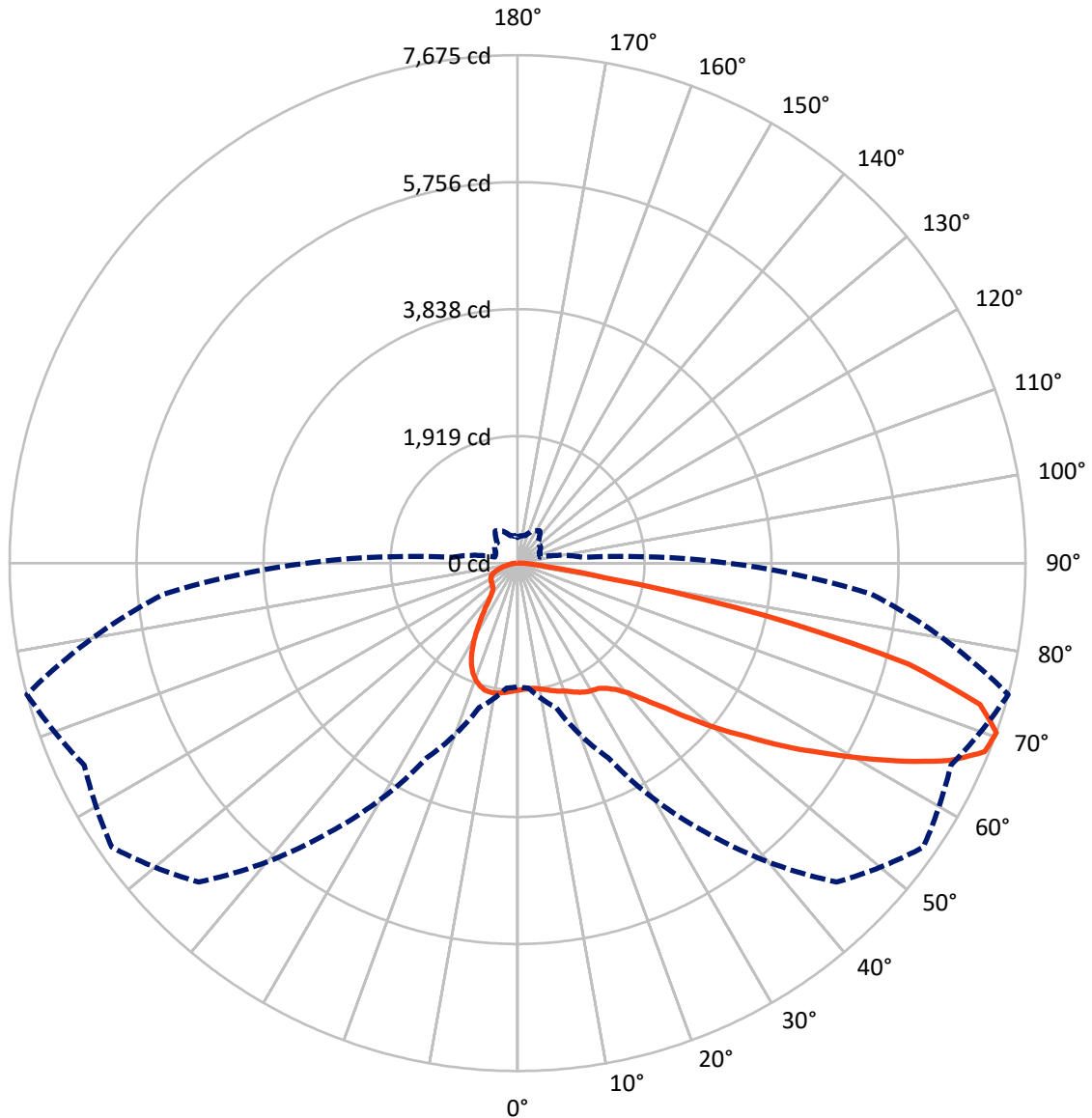
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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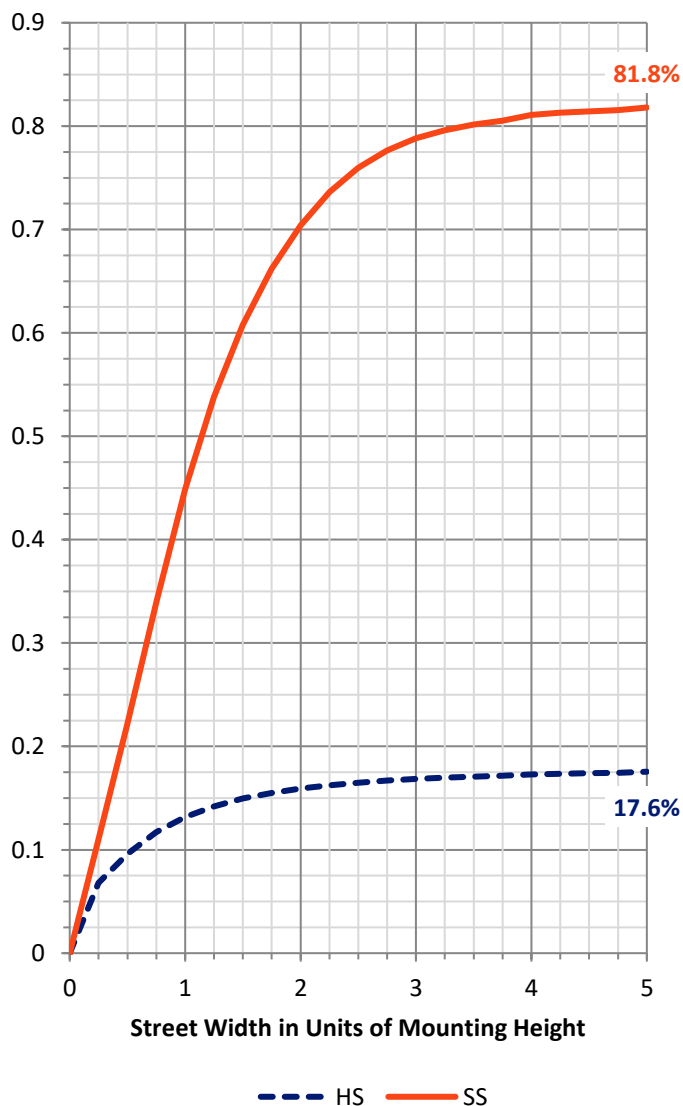
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2062.9	0.0	2062.9
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	9532.1	0.0	9532.1
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	11595.0	0.0	11595.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.5	1.5
10°-20°	460.5	4.0
20°-30°	775.8	6.7
30°-40°	1178.3	10.2
40°-50°	1688.1	14.6
50°-60°	2238.0	19.3
60°-70°	2800.8	24.2
70°-80°	2045.2	17.6
80°-90°	235.8	2.0
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°	11595.0	100.0
0°-180°	11595.0	100.0



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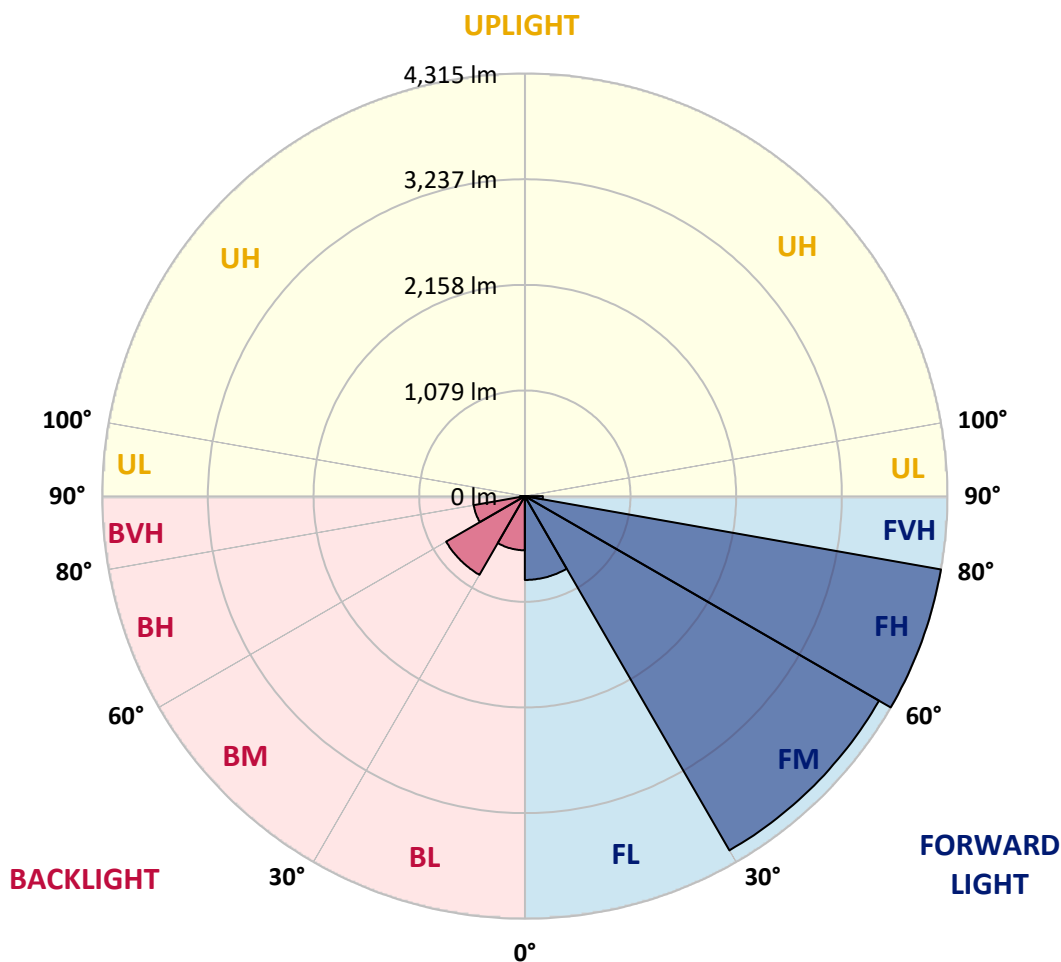
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	855.8	7.4			
FM (30°-60°)	4176.9	36.0			
FH (60°-80°)	4315.4	37.2			G2/5000
FVH (80°-90°)	184.0	1.6			G2/225
BL (0°-30°)	553.0	4.8	B2/1000		
BM (30°-60°)	927.5	8.0	B1/1000		
BH (60°-80°)	530.6	4.6	B2/1000		G2/1000
BVH (80°-90°)	51.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7
2.5°	1815.5	1825.5	1834.7	1843.9	1851.4	1871.4	1875.6	1897.3	1903.1	1908.1	1914.8
5°	1713.7	1721.2	1730.4	1745.4	1761.3	1797.2	1822.2	1869.8	1896.5	1904.8	1928.2
7.5°	1658.7	1661.2	1673.7	1686.2	1704.6	1739.6	1773.8	1848.1	1901.5	1910.6	1960.7
10°	1618.6	1622.0	1633.6	1651.2	1669.5	1702.1	1744.6	1833.0	1919.8	1934.0	2004.9
12.5°	1604.4	1602.8	1616.1	1627.8	1653.7	1694.5	1738.8	1833.9	1944.8	1964.9	2069.2
15°	1661.2	1650.3	1658.7	1654.5	1662.8	1702.9	1755.5	1852.2	1975.7	2000.8	2135.9
17.5°	1786.3	1777.1	1771.3	1735.4	1712.1	1734.6	1784.7	1878.1	2008.3	2035.0	2196.0
20°	1973.2	1947.4	1925.7	1865.6	1800.5	1793.0	1828.0	1904.0	2039.1	2065.0	2259.4
22.5°	2186.0	2165.1	2130.1	2024.9	1924.0	1873.9	1883.1	1951.5	2084.2	2112.6	2332.0
25°	2454.6	2453.8	2382.0	2240.2	2087.5	1986.6	1967.4	2027.4	2135.1	2162.6	2392.1
27.5°	2760.8	2740.0	2654.9	2472.2	2280.3	2125.9	2080.8	2105.0	2176.0	2204.3	2440.4
30°	3022.8	3025.3	2938.5	2739.1	2485.5	2261.9	2176.8	2160.9	2202.7	2231.0	2485.5
32.5°	3303.2	3289.0	3209.7	3004.5	2707.4	2407.9	2238.5	2201.0	2230.2	2256.9	2548.1
35°	3566.8	3551.0	3482.5	3261.4	2951.9	2568.9	2322.0	2263.6	2295.3	2324.5	2624.8
37.5°	3817.9	3820.4	3742.9	3531.8	3188.9	2759.2	2445.5	2357.8	2392.1	2424.6	2741.6
40°	4037.4	4024.9	3964.8	3774.6	3435.0	2952.7	2584.8	2486.3	2553.1	2583.1	2889.3
42.5°	4107.5	4106.6	4130.0	4013.2	3693.6	3183.0	2758.3	2686.6	2780.9	2825.9	3070.4
45°	4046.6	4064.9	4200.1	4196.7	3952.3	3447.5	2995.3	2930.2	3066.2	3117.1	3291.5
47.5°	3986.5	4014.0	4197.6	4301.9	4184.2	3738.7	3286.5	3238.1	3433.3	3506.7	3520.9
50°	3898.9	3924.7	4143.3	4316.9	4326.1	4033.2	3663.6	3602.7	3853.8	3928.9	3770.4
52.5°	3801.3	3821.3	4047.4	4306.0	4393.6	4263.5	4033.2	4015.7	4304.4	4365.3	4024.0
55°	3262.3	3347.4	3906.4	4282.7	4440.4	4439.5	4392.8	4450.4	4795.8	4886.7	4306.9
57.5°	2952.7	2997.8	3509.2	4269.3	4528.0	4602.2	4764.1	4887.6	5320.6	5402.4	4618.9
60°	2851.8	2891.8	3309.8	4253.5	4702.3	4856.7	5127.0	5327.3	5884.6	5984.7	4967.7
62.5°	2760.0	2808.4	3228.9	4127.5	4913.4	5259.7	5560.0	5802.8	6479.5	6598.0	5314.8
65°	2573.1	2607.3	3080.4	4021.5	5113.7	5834.5	6185.0	6326.8	7056.0	7189.5	5545.0
67.5°	2250.2	2282.8	2745.8	3777.9	5243.8	6432.8	6868.3	6869.1	7501.6	7610.9	5593.4
70°	1870.6	1895.6	2263.6	3247.3	4972.7	6816.6	7484.9	7223.7	7627.5	7675.1	5363.1
72.5°	1337.4	1359.1	1657.8	2400.4	4077.4	6505.4	7625.0	7208.7	7322.2	7307.2	4708.2
75°	824.3	866.0	1015.4	1465.1	2533.9	5118.7	6862.5	6532.1	6148.3	6106.5	3545.1
77.5°	537.3	559.0	686.7	864.4	1118.0	2938.5	5212.1	4897.6	3882.2	3833.8	1905.6
80°	322.9	358.8	449.7	543.2	506.4	1123.9	2976.1	2432.9	1371.7	1356.6	585.7
82.5°	173.5	206.1	317.0	336.2	284.5	397.1	1078.0	791.0	438.9	433.9	219.4
85°	137.7	153.5	227.8	212.8	161.0	201.1	420.5	329.6	225.3	220.3	82.6
87.5°	83.4	105.1	172.7	143.5	80.1	72.6	192.7	156.0	106.0	98.5	32.5
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°	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7	1920.7
2.5°	1927.3	1931.5	1935.7	1927.3	1930.7	1926.5	1926.5	1926.5	1915.6	1912.3	1922.3
5°	1945.7	1951.5	1954.9	1929.0	1913.1	1889.8	1870.6	1841.4	1824.7	1813.9	1813.9
7.5°	1983.2	1989.9	1974.9	1917.3	1861.4	1798.8	1734.6	1681.2	1642.8	1626.1	1631.1
10°	2038.3	2040.8	1990.7	1884.8	1765.5	1649.5	1558.5	1487.6	1440.1	1415.9	1412.5
12.5°	2102.5	2091.7	1994.1	1813.0	1636.1	1480.1	1369.2	1277.4	1216.5	1193.1	1181.4
15°	2165.9	2140.1	1981.6	1727.1	1489.3	1301.6	1159.7	1073.0	1035.4	1024.6	1020.4
17.5°	2222.7	2174.3	1939.8	1603.6	1319.1	1093.0	988.7	957.8	962.0	972.0	976.2
20°	2274.4	2200.2	1879.8	1456.8	1106.3	930.3	904.4	932.8	956.2	971.2	973.7
22.5°	2331.1	2225.2	1796.3	1278.2	932.0	855.2	886.1	918.6	942.0	957.0	959.5
25°	2374.5	2224.4	1678.7	1066.3	821.8	835.2	871.9	901.1	918.6	929.5	928.6
27.5°	2402.1	2204.3	1524.3	891.9	778.4	821.0	856.0	875.2	885.2	893.6	892.7
30°	2410.4	2165.9	1329.9	763.4	758.4	807.6	834.3	846.0	853.5	861.9	861.9
32.5°	2427.1	2106.7	1115.5	691.7	743.4	794.3	810.1	819.3	813.5	792.6	788.5
35°	2445.5	2040.8	912.8	658.3	729.2	785.1	800.1	775.9	712.5	704.2	700.8
37.5°	2481.3	1979.9	740.9	634.9	725.9	790.1	802.6	705.9	652.5	626.6	622.4
40°	2542.2	1919.0	625.8	618.2	730.0	811.8	769.3	672.5	584.0	534.8	526.5
42.5°	2622.3	1844.7	560.7	609.9	741.7	846.9	757.6	624.9	528.1	494.8	489.8
45°	2714.9	1746.3	529.8	608.2	755.9	864.4	760.9	586.5	503.1	477.2	475.6
47.5°	2810.9	1649.5	516.5	606.6	773.4	856.9	715.0	574.9	493.1	485.6	490.6
50°	2914.4	1539.4	505.6	602.4	787.6	856.9	690.0	572.4	496.4	513.1	529.8
52.5°	3011.1	1446.7	493.1	589.9	793.5	841.9	682.5	581.5	501.4	497.3	502.3
55°	3128.8	1399.2	486.4	572.4	782.6	796.0	673.3	606.6	505.6	471.4	471.4
57.5°	3263.1	1389.2	476.4	549.0	747.6	732.6	672.5	621.6	494.8	463.1	457.2
60°	3425.0	1410.9	463.9	519.8	705.0	683.3	666.6	621.6	477.2	448.9	451.4
62.5°	3556.0	1408.4	456.4	493.9	648.3	632.4	655.8	613.2	470.6	447.2	446.4
65°	3586.8	1355.0	434.7	460.6	578.2	570.7	644.1	592.4	461.4	438.0	431.4
67.5°	3482.5	1234.0	402.2	416.3	503.9	504.8	623.3	564.8	448.9	433.0	422.2
70°	3186.3	997.9	353.8	362.9	423.8	434.7	592.4	532.3	428.0	411.3	385.5
72.5°	2666.6	717.5	297.9	300.4	337.1	365.4	539.0	488.1	397.1	357.9	330.4
75°	1974.1	476.4	242.8	239.5	252.8	297.0	460.6	438.9	357.1	297.0	282.8
77.5°	1043.8	282.0	186.9	187.7	179.4	227.8	365.4	381.3	317.0	250.3	236.1
80°	357.1	169.4	134.3	140.2	126.8	162.7	271.2	317.0	271.2	208.6	184.4
82.5°	163.5	103.5	95.9	100.1	90.9	110.1	186.1	240.3	216.1	151.9	122.6
85°	82.6	61.7	61.7	67.6	60.1	56.7	102.6	159.4	158.5	104.3	90.1
87.5°	34.2	30.0	28.4	32.5	28.4	21.7	29.2	57.6	83.4	62.6	40.0
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)