

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: P672263

Luminaire Tested: **CCP-SA-2D-740-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672263
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-740-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

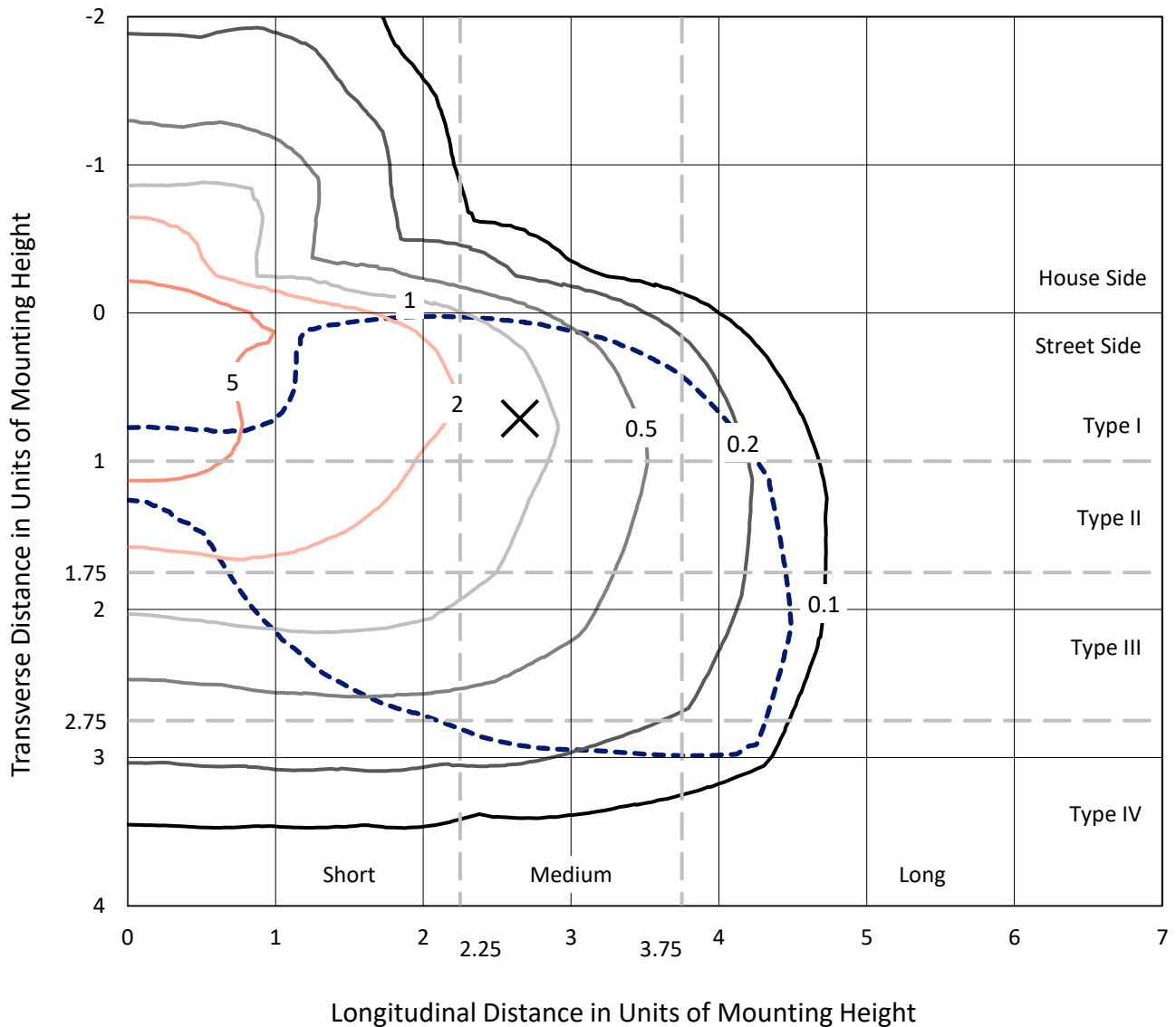
Lumens per Lamp: N/A
Luminaire Lumens: 11335.4 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

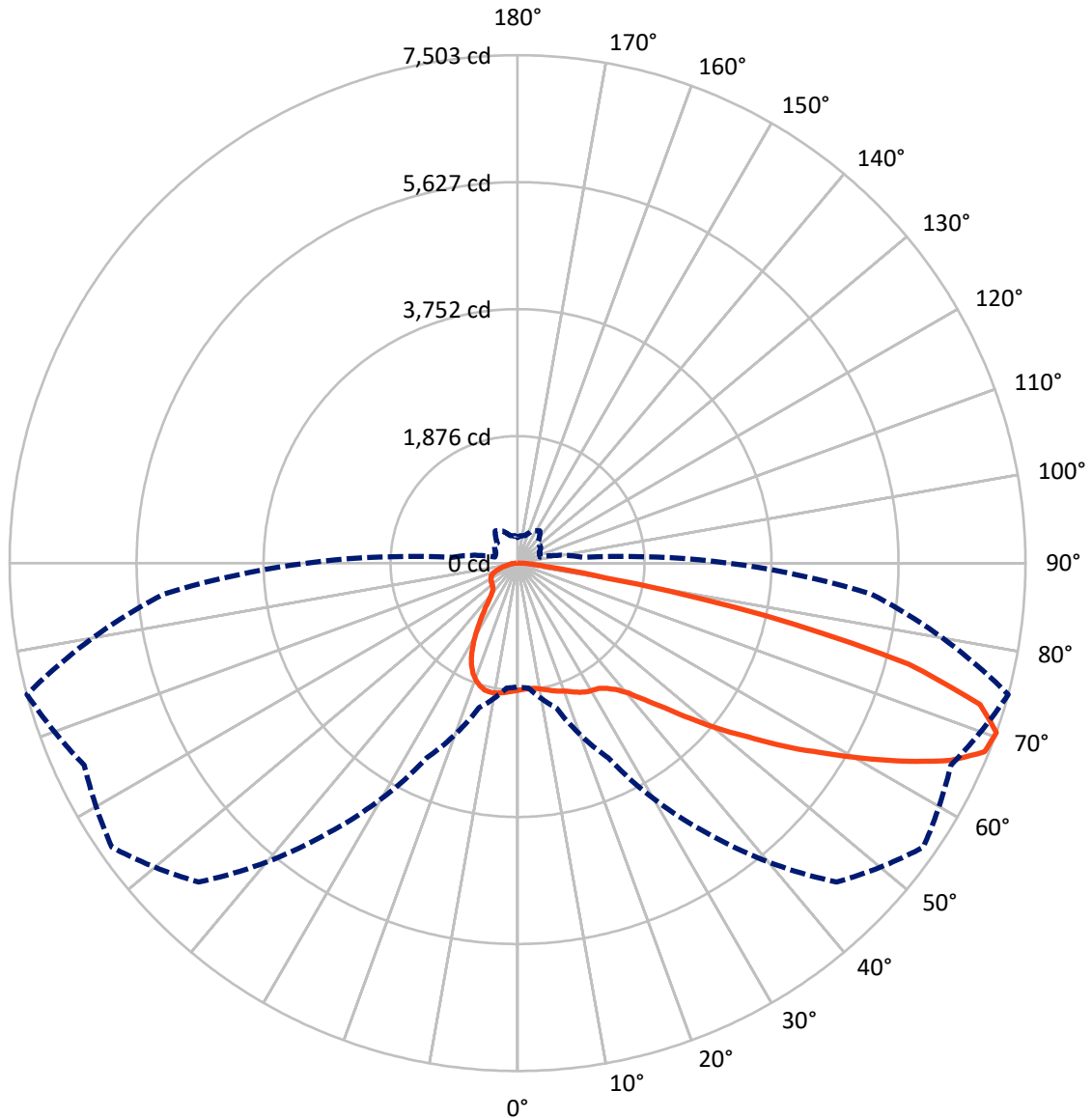
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.6 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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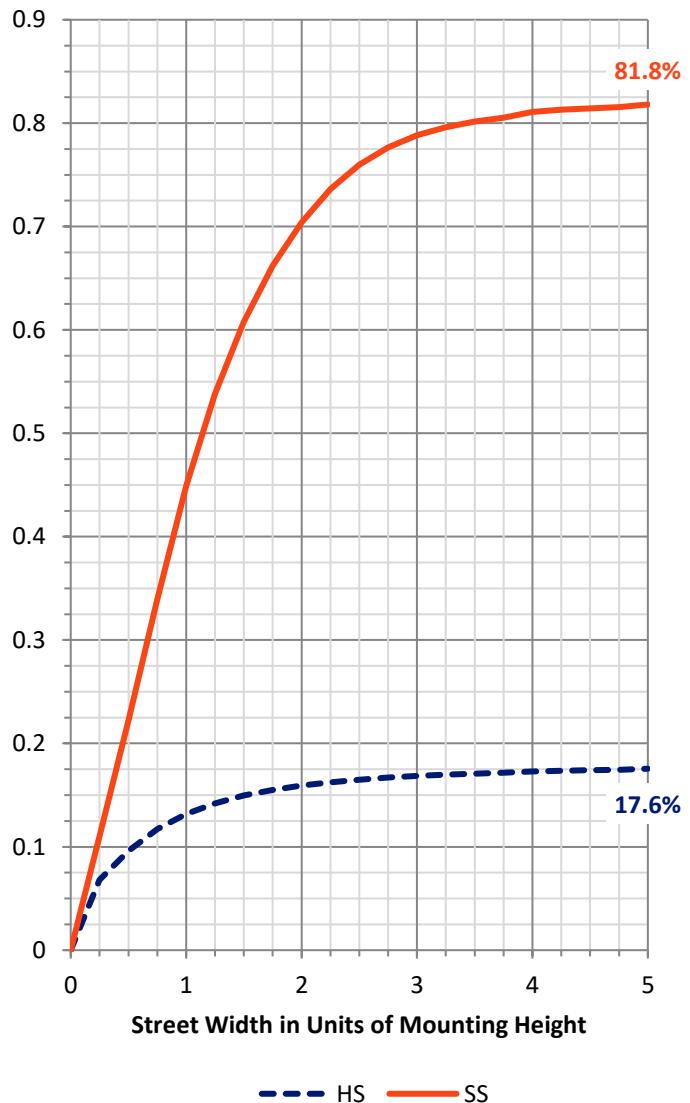
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2016.7	0.0	2016.7
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	9318.7	0.0	9318.7
	% Fixture	82.2	0.0	82.2
Total	Lumens	11335.4	0.0	11335.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.5
10°-20°	450.2	4.0
20°-30°	758.4	6.7
30°-40°	1151.9	10.2
40°-50°	1650.3	14.6
50°-60°	2187.9	19.3
60°-70°	2738.0	24.2
70°-80°	1999.5	17.6
80°-90°	230.6	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°	11335.4	100.0
0°-180°	11335.4	100.0



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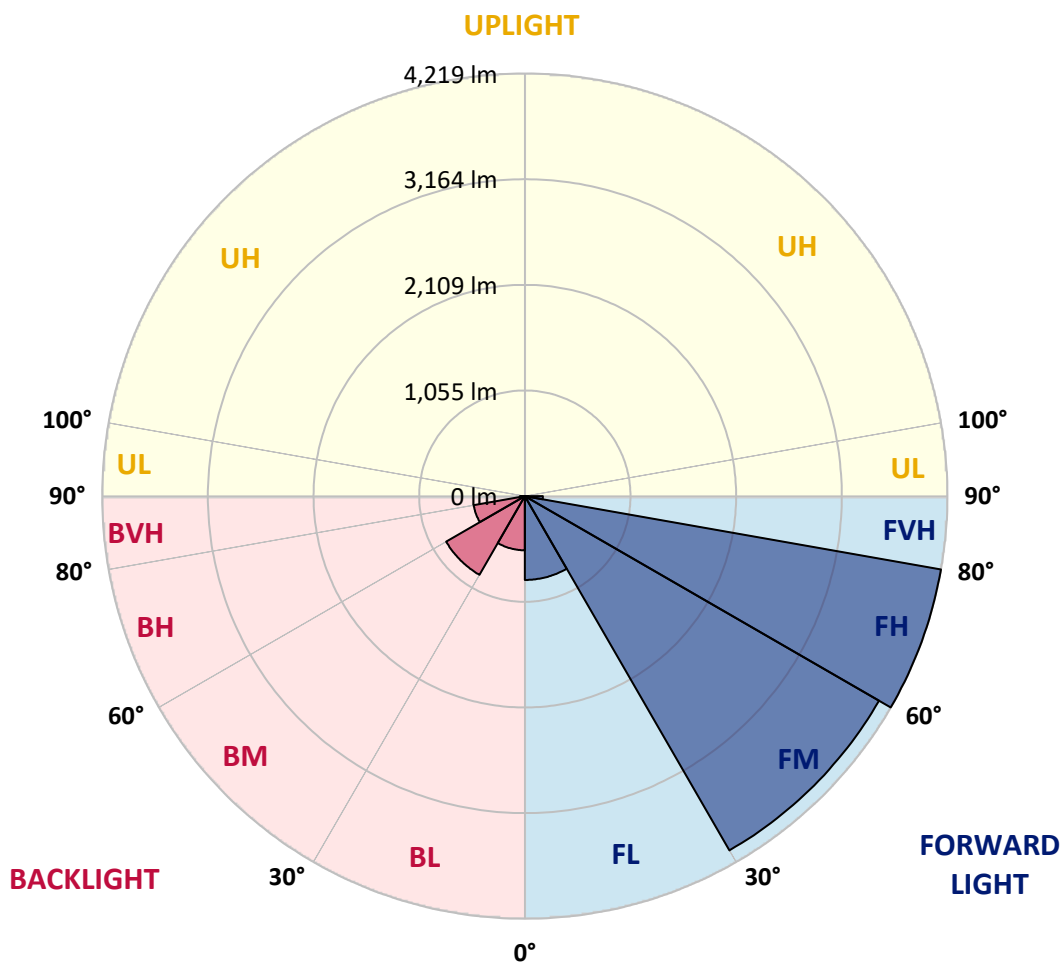
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.6	7.4			
FM (30°-60°)	4083.4	36.0			
FH (60°-80°)	4218.8	37.2			G2/5000
FVH (80°-90°)	179.9	1.6			G2/225
BL (0°-30°)	540.6	4.8	B2/1000		
BM (30°-60°)	906.7	8.0	B1/1000		
BH (60°-80°)	518.8	4.6	B2/1000		G2/1000
BVH (80°-90°)	50.6	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°	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7
2.5°	1774.9	1784.7	1793.6	1802.6	1810.0	1829.5	1833.6	1854.8	1860.5	1865.4	1871.9
5°	1675.4	1682.7	1691.7	1706.4	1721.9	1756.9	1781.4	1827.9	1854.0	1862.2	1885.0
7.5°	1621.5	1624.0	1636.2	1648.5	1666.4	1700.7	1734.1	1806.7	1858.9	1867.9	1916.8
10°	1582.4	1585.6	1597.1	1614.2	1632.1	1664.0	1705.6	1792.0	1876.8	1890.7	1960.0
12.5°	1568.5	1566.9	1579.9	1591.4	1616.6	1656.6	1699.8	1792.8	1901.3	1920.9	2022.8
15°	1624.0	1613.4	1621.5	1617.5	1625.6	1664.8	1716.2	1810.8	1931.5	1956.0	2088.1
17.5°	1746.3	1737.4	1731.7	1696.6	1673.7	1695.8	1744.7	1836.1	1963.3	1989.4	2146.8
20°	1929.0	1903.8	1882.5	1823.8	1760.2	1752.9	1787.1	1861.3	1993.5	2018.8	2208.8
22.5°	2137.0	2116.6	2082.4	1979.6	1880.9	1832.0	1841.0	1907.8	2037.5	2065.3	2279.8
25°	2399.7	2398.9	2328.7	2190.1	2040.8	1942.1	1923.3	1982.1	2087.3	2114.2	2338.5
27.5°	2699.0	2678.6	2595.4	2416.8	2229.2	2078.3	2034.3	2057.9	2127.2	2155.0	2385.8
30°	2955.1	2957.6	2872.8	2677.8	2429.9	2211.3	2128.1	2112.6	2153.3	2181.1	2429.9
32.5°	3229.2	3215.3	3137.9	2937.2	2646.8	2354.0	2188.4	2151.7	2180.3	2206.4	2491.0
35°	3487.0	3471.5	3404.6	3188.4	2885.8	2511.4	2270.0	2212.9	2243.9	2272.4	2566.1
37.5°	3732.5	3734.9	3659.1	3452.7	3117.5	2697.4	2390.7	2305.1	2338.5	2370.3	2680.3
40°	3947.0	3934.8	3876.0	3690.1	3358.1	2886.6	2526.9	2430.7	2495.9	2525.3	2824.6
42.5°	4015.5	4014.7	4037.5	3923.3	3610.9	3111.8	2696.6	2626.4	2718.6	2762.6	3001.6
45°	3956.0	3973.9	4106.0	4102.8	3863.8	3370.3	2928.2	2864.6	2997.6	3047.3	3217.8
47.5°	3897.2	3924.2	4103.6	4205.6	4090.5	3655.0	3212.9	3165.6	3356.5	3428.2	3442.1
50°	3811.6	3836.9	4050.6	4220.2	4229.2	3942.9	3581.6	3522.0	3767.5	3841.0	3686.0
52.5°	3716.2	3735.7	3956.8	4209.6	4295.3	4168.0	3942.9	3925.8	4208.0	4267.5	3933.9
55°	3189.2	3272.4	3818.9	4186.8	4341.0	4340.1	4294.5	4350.7	4688.4	4777.3	4210.5
57.5°	2886.6	2930.7	3430.7	4173.7	4426.6	4499.2	4657.4	4778.2	5201.5	5281.4	4515.5
60°	2787.9	2827.1	3235.7	4158.2	4597.1	4748.0	5012.2	5208.0	5752.9	5850.7	4856.5
62.5°	2698.2	2745.5	3156.6	4035.1	4803.4	5141.9	5435.6	5672.9	6334.4	6450.3	5195.8
65°	2515.5	2548.9	3011.4	3931.5	4999.2	5703.9	6046.5	6185.2	6898.1	7028.6	5420.9
67.5°	2199.8	2231.7	2684.3	3693.3	5126.4	6288.8	6714.5	6715.3	7333.6	7440.5	5468.2
70°	1828.7	1853.2	2212.9	3174.6	4861.3	6664.0	7317.3	7062.0	7456.8	7503.3	5243.1
72.5°	1307.5	1328.7	1620.7	2346.7	3986.1	6359.7	7454.3	7047.3	7158.3	7143.6	4602.8
75°	805.9	846.7	992.7	1432.3	2477.2	5004.1	6708.8	6385.8	6010.6	5969.8	3465.8
77.5°	525.3	546.5	671.3	845.0	1093.0	2872.8	5095.4	4787.9	3795.3	3748.0	1863.0
80°	315.7	350.7	439.6	531.0	495.1	1098.7	2909.5	2378.5	1340.9	1326.3	572.6
82.5°	169.7	201.5	310.0	328.7	278.1	388.3	1053.8	773.2	429.0	424.1	214.5
85°	134.6	150.1	222.7	208.0	157.4	196.6	411.1	322.2	220.2	215.3	80.8
87.5°	81.6	102.8	168.8	140.3	78.3	71.0	188.4	152.5	103.6	96.2	31.8
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°	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7
2.5°	1884.2	1888.3	1892.3	1884.2	1887.4	1883.4	1883.4	1883.4	1872.8	1869.5	1879.3
5°	1902.1	1907.8	1911.1	1885.8	1870.3	1847.5	1828.7	1800.2	1783.9	1773.3	1773.3
7.5°	1938.8	1945.4	1930.7	1874.4	1819.7	1758.6	1695.8	1643.6	1606.0	1589.7	1594.6
10°	1992.7	1995.1	1946.2	1842.6	1725.9	1612.6	1523.7	1454.3	1407.8	1384.2	1380.9
12.5°	2055.5	2044.9	1949.4	1772.4	1599.5	1447.0	1338.5	1248.8	1189.2	1166.4	1155.0
15°	2117.5	2092.2	1937.2	1688.4	1456.0	1272.4	1133.8	1048.9	1012.2	1001.6	997.6
17.5°	2172.9	2125.6	1896.4	1567.7	1289.6	1068.5	966.6	936.4	940.5	950.2	954.3
20°	2223.5	2150.9	1837.7	1424.1	1081.6	909.5	884.2	911.9	934.7	949.4	951.9
22.5°	2279.0	2175.4	1756.1	1249.6	911.1	836.1	866.2	898.0	920.9	935.6	938.0
25°	2321.4	2174.6	1641.1	1042.4	803.4	816.5	852.4	880.9	898.0	908.6	907.8
27.5°	2348.3	2155.0	1490.2	871.9	761.0	802.6	836.9	855.6	865.4	873.6	872.8
30°	2356.4	2117.5	1300.2	746.3	741.4	789.6	815.7	827.1	834.4	842.6	842.6
32.5°	2372.8	2059.5	1090.5	676.2	726.8	776.5	792.0	801.0	795.3	774.9	770.8
35°	2390.7	1995.1	892.3	643.6	712.9	767.5	782.2	758.6	696.6	688.4	685.2
37.5°	2425.8	1935.6	724.3	620.7	709.6	772.4	784.7	690.1	637.8	612.6	608.5
40°	2485.3	1876.0	611.7	604.4	713.7	793.6	752.0	657.4	571.0	522.8	514.7
42.5°	2563.6	1803.4	548.1	596.2	725.1	827.9	740.6	610.9	516.3	483.7	478.8
45°	2654.2	1707.2	517.9	594.6	739.0	845.0	743.9	573.4	491.8	466.6	464.9
47.5°	2748.0	1612.6	504.9	593.0	756.1	837.7	699.0	562.0	482.1	474.7	479.6
50°	2849.1	1504.9	494.3	588.9	770.0	837.7	674.6	559.5	485.3	501.6	517.9
52.5°	2943.7	1414.4	482.1	576.7	775.7	823.0	667.2	568.5	490.2	486.1	491.0
55°	3058.7	1367.9	475.5	559.5	765.1	778.1	658.2	593.0	494.3	460.8	460.8
57.5°	3190.1	1358.1	465.7	536.7	730.8	716.2	657.4	607.7	483.7	452.7	447.0
60°	3348.3	1379.3	453.5	508.2	689.2	668.0	651.7	607.7	466.6	438.8	441.3
62.5°	3476.4	1376.8	446.2	482.9	633.8	618.3	641.1	599.5	460.0	437.2	436.4
65°	3506.5	1324.6	425.0	450.2	565.3	557.9	629.7	579.1	451.1	428.2	421.7
67.5°	3404.6	1206.4	393.1	407.0	492.7	493.5	609.3	552.2	438.8	423.3	412.7
70°	3115.0	975.5	345.8	354.8	414.4	425.0	579.1	520.4	418.4	402.1	376.8
72.5°	2606.9	701.5	291.2	293.6	329.5	357.3	526.9	477.2	388.3	349.9	323.0
75°	1929.9	465.7	237.4	234.1	247.1	290.4	450.2	429.0	349.1	290.4	276.5
77.5°	1020.4	275.7	182.7	183.5	175.4	222.7	357.3	372.8	310.0	244.7	230.8
80°	349.1	165.6	131.3	137.0	124.0	159.1	265.1	310.0	265.1	203.9	180.3
82.5°	159.9	101.1	93.8	97.9	88.9	107.7	181.9	234.9	211.3	148.5	119.9
85°	80.8	60.4	60.4	66.1	58.7	55.5	100.3	155.8	155.0	102.0	88.1
87.5°	33.4	29.4	27.7	31.8	27.7	21.2	28.5	56.3	81.6	61.2	39.2
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)