

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: P672252

Luminaire Tested: **CCP-SA-2D-735-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672252
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-735-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

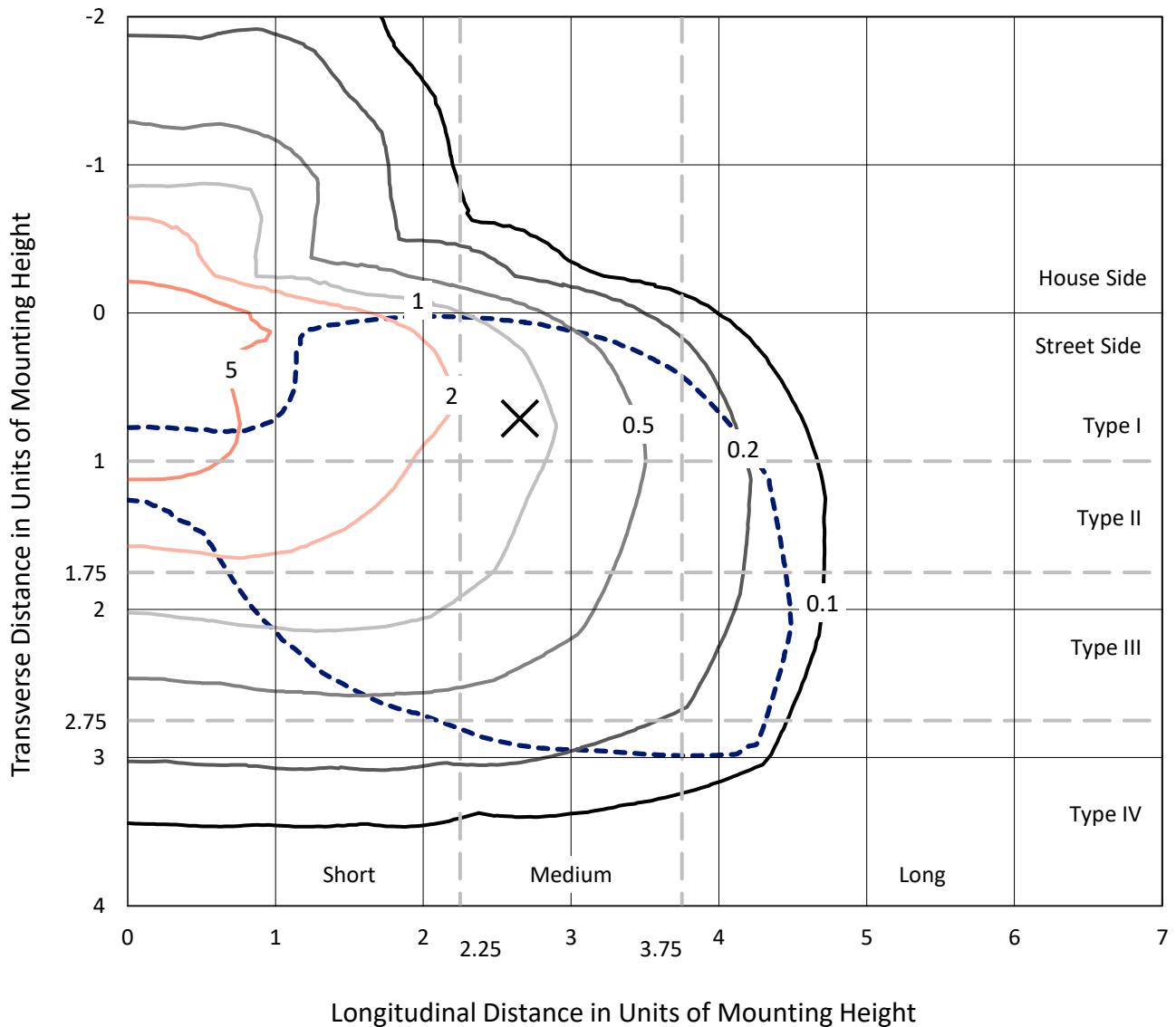
Lumens per Lamp: N/A
Luminaire Lumens: 11180.1 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

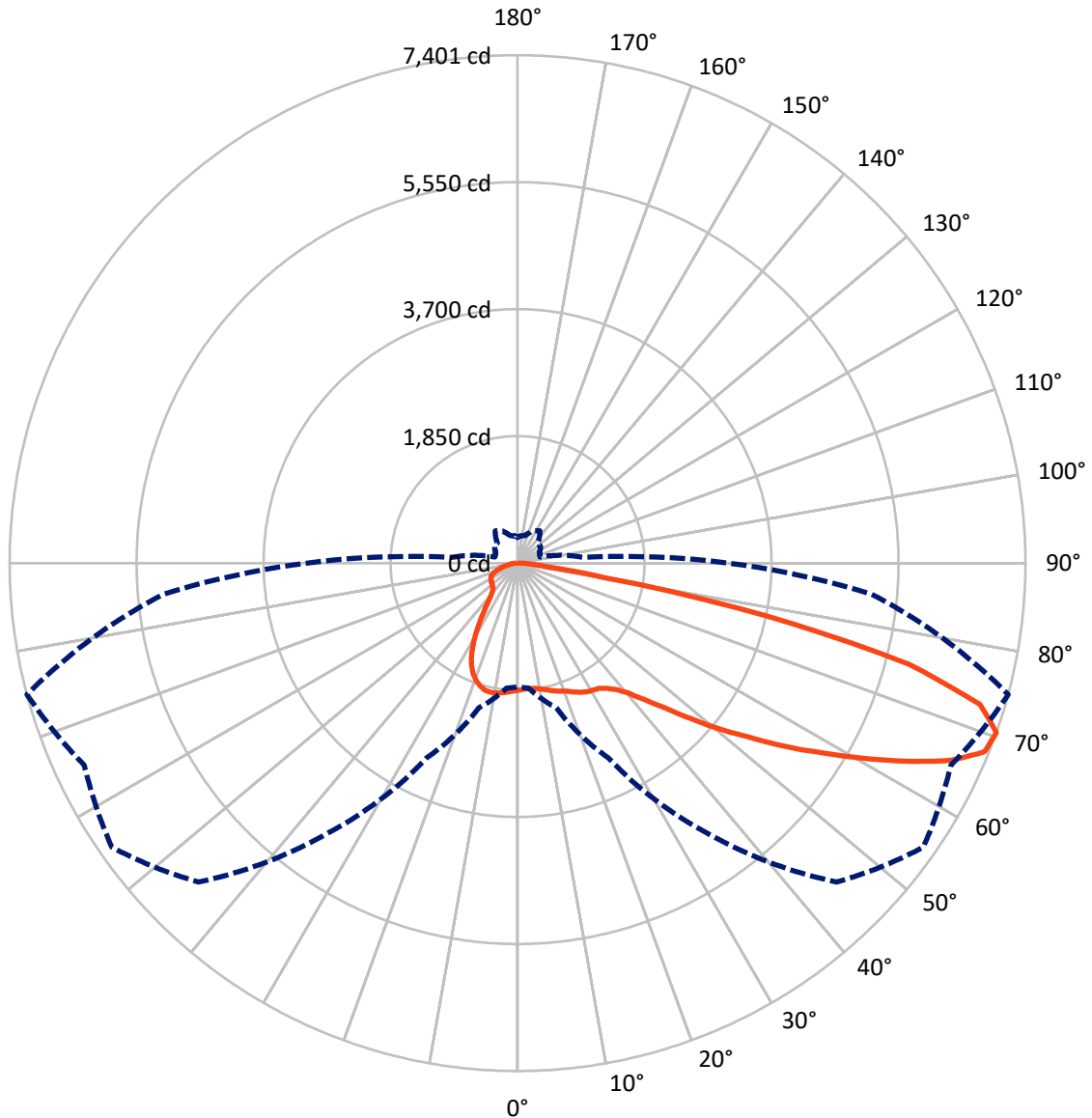
× Max cd
 - - - 1/2 Max cd



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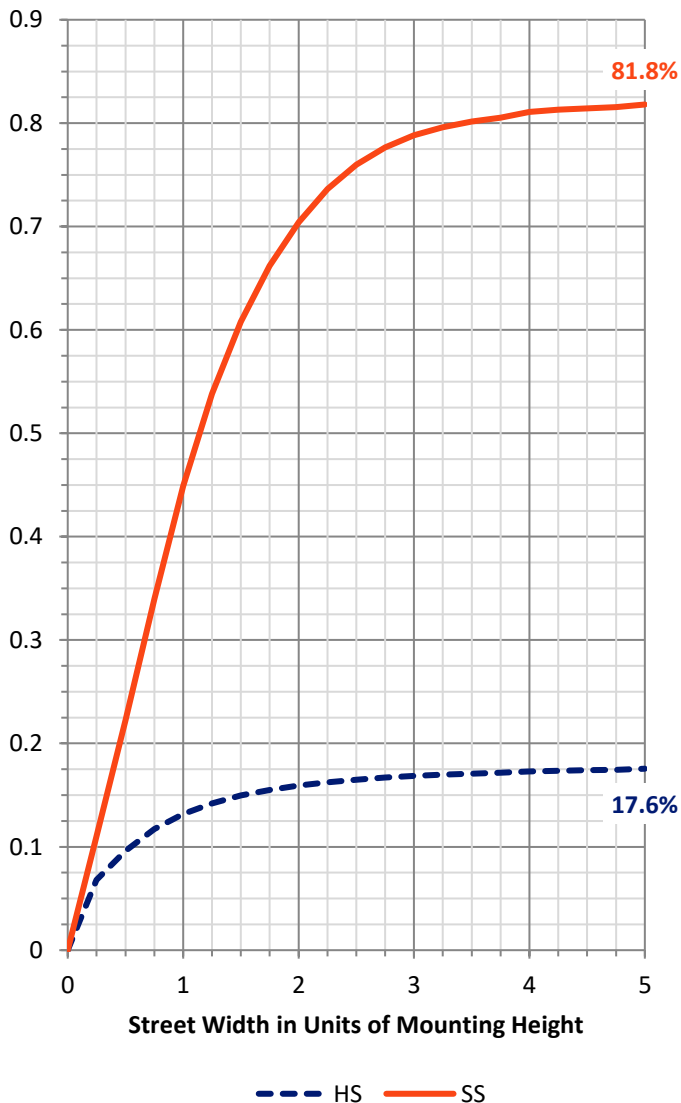
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1989.1	0.0	1989.1
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	9191.0	0.0	9191.0
	% Fixture	82.2	0.0	82.2
Total	Lumens	11180.1	0.0	11180.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	1.5
10°-20°	444.0	4.0
20°-30°	748.0	6.7
30°-40°	1136.1	10.2
40°-50°	1627.7	14.6
50°-60°	2158.0	19.3
60°-70°	2700.5	24.2
70°-80°	1972.1	17.6
80°-90°	227.4	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°	11180.1	100.0
0°-180°	11180.1	100.0



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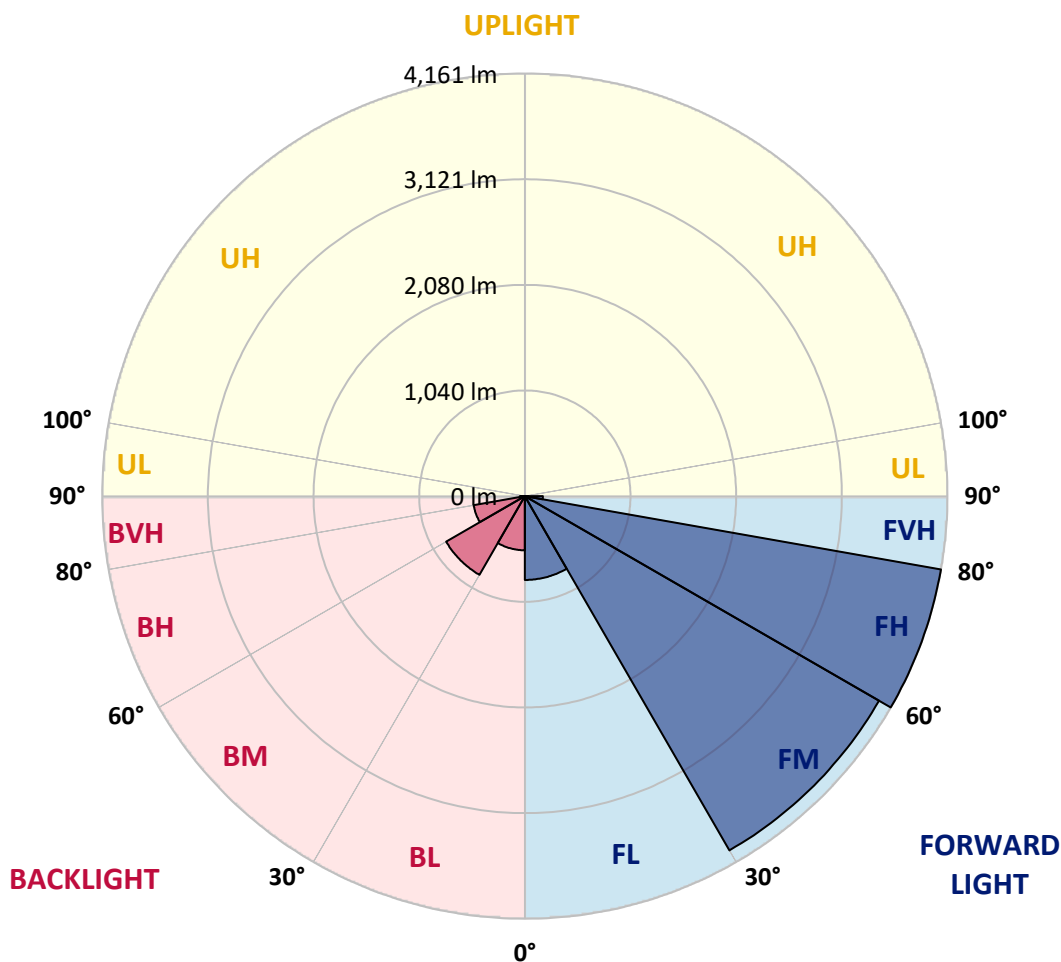
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.2	7.4			
FM (30°-60°)	4027.5	36.0			
FH (60°-80°)	4161.0	37.2			G2/5000
FVH (80°-90°)	177.4	1.6			G2/225
BL (0°-30°)	533.2	4.8	B2/1000		
BM (30°-60°)	894.3	8.0	B1/1000		
BH (60°-80°)	511.7	4.6	B2/1000		G2/1000
BVH (80°-90°)	50.0	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°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9
2.5°	1750.6	1760.2	1769.1	1777.9	1785.2	1804.5	1808.5	1829.4	1835.0	1839.9	1846.3
5°	1652.4	1659.7	1668.5	1683.0	1698.3	1732.9	1757.0	1802.9	1828.6	1836.6	1859.2
7.5°	1599.3	1601.7	1613.8	1625.9	1643.6	1677.4	1710.3	1781.9	1833.4	1842.3	1890.5
10°	1560.7	1563.9	1575.2	1592.1	1609.8	1641.2	1682.2	1767.5	1851.1	1864.8	1933.2
12.5°	1547.0	1545.4	1558.3	1569.6	1594.5	1633.9	1676.6	1768.3	1875.3	1894.6	1995.1
15°	1601.7	1591.3	1599.3	1595.3	1603.3	1642.0	1692.6	1786.0	1905.0	1929.2	2059.5
17.5°	1722.4	1713.6	1707.9	1673.3	1650.8	1672.5	1720.8	1810.9	1936.4	1962.1	2117.4
20°	1902.6	1877.7	1856.8	1798.8	1736.1	1728.8	1762.6	1835.8	1966.2	1991.1	2178.6
22.5°	2107.8	2087.6	2053.9	1952.5	1855.1	1806.9	1815.7	1881.7	2009.6	2037.0	2248.5
25°	2366.8	2366.0	2296.8	2160.1	2012.8	1915.5	1897.0	1954.9	2058.7	2085.2	2306.5
27.5°	2662.1	2641.9	2559.9	2383.7	2198.7	2049.8	2006.4	2029.7	2098.1	2125.5	2353.1
30°	2914.7	2917.1	2833.4	2641.1	2396.6	2181.0	2098.9	2083.6	2123.8	2151.2	2396.6
32.5°	3185.0	3171.3	3094.9	2897.0	2610.6	2321.8	2158.4	2122.2	2150.4	2176.1	2456.9
35°	3439.2	3423.9	3357.9	3144.7	2846.3	2477.0	2238.9	2182.6	2213.1	2241.3	2530.9
37.5°	3681.3	3683.8	3608.9	3405.4	3074.8	2660.4	2358.0	2273.5	2306.5	2337.8	2643.5
40°	3892.9	3880.8	3822.9	3639.5	3312.1	2847.1	2492.3	2397.4	2461.7	2490.7	2785.9
42.5°	3960.5	3959.7	3982.2	3869.6	3561.5	3069.1	2659.6	2590.5	2681.4	2724.8	2960.5
45°	3901.8	3919.5	4049.8	4046.6	3810.9	3324.1	2888.1	2825.4	2956.5	3005.6	3173.7
47.5°	3843.8	3870.4	4047.4	4147.9	4034.5	3604.9	3168.9	3122.2	3310.5	3381.3	3394.9
50°	3759.4	3784.3	3995.1	4162.4	4171.3	3888.9	3532.5	3473.8	3715.9	3788.3	3635.5
52.5°	3665.2	3684.6	3902.6	4152.0	4236.4	4110.9	3888.9	3872.0	4150.4	4209.1	3880.0
55°	3145.5	3227.6	3766.6	4129.4	4281.5	4280.7	4235.6	4291.1	4624.2	4711.9	4152.8
57.5°	2847.1	2890.5	3383.7	4116.6	4366.0	4437.6	4593.6	4712.7	5130.2	5209.1	4453.6
60°	2749.7	2788.4	3191.4	4101.3	4534.1	4682.9	4943.6	5136.7	5674.1	5770.6	4789.9
62.5°	2661.2	2707.9	3113.4	3979.8	4737.6	5071.5	5361.1	5595.2	6247.7	6361.9	5124.6
65°	2481.0	2514.0	2970.2	3877.6	4930.7	5625.8	5963.7	6100.4	6803.6	6932.3	5346.6
67.5°	2169.7	2201.1	2647.6	3642.7	5056.2	6202.6	6622.5	6623.3	7233.2	7338.5	5393.3
70°	1803.7	1827.8	2182.6	3131.1	4794.7	6572.7	7217.1	6965.3	7354.6	7400.5	5171.2
72.5°	1289.6	1310.5	1598.5	2314.5	3931.5	6272.6	7352.2	6950.8	7060.2	7045.7	4539.7
75°	794.8	835.1	979.1	1412.7	2443.2	4935.5	6616.9	6298.3	5928.3	5888.0	3418.3
77.5°	518.1	539.0	662.1	833.4	1078.0	2833.4	5025.6	4722.3	3743.3	3696.6	1837.5
80°	311.3	345.9	433.6	523.7	488.3	1083.6	2869.6	2345.9	1322.6	1308.1	564.8
82.5°	167.3	198.7	305.7	324.2	274.3	382.9	1039.4	762.7	423.2	418.3	211.6
85°	132.7	148.0	219.6	205.1	155.3	193.9	405.5	317.8	217.2	212.4	79.6
87.5°	80.4	101.4	166.5	138.4	77.2	70.0	185.8	150.4	102.2	94.9	31.4
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°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9
2.5°	1858.4	1862.4	1866.4	1858.4	1861.6	1857.6	1857.6	1857.6	1847.1	1843.9	1853.5
5°	1876.1	1881.7	1884.9	1860.0	1844.7	1822.2	1803.7	1775.5	1759.4	1749.0	1749.0
7.5°	1912.3	1918.7	1904.2	1848.7	1794.8	1734.5	1672.5	1621.0	1584.0	1567.9	1572.8
10°	1965.4	1967.8	1919.5	1817.3	1702.3	1590.5	1502.8	1434.4	1388.5	1365.2	1362.0
12.5°	2027.3	2016.9	1922.7	1748.2	1577.6	1427.2	1320.2	1231.7	1172.9	1150.4	1139.2
15°	2088.5	2063.5	1910.7	1665.3	1436.0	1255.0	1118.2	1034.6	998.4	987.9	983.9
17.5°	2143.2	2096.5	1870.4	1546.2	1271.9	1053.9	953.3	923.6	927.6	937.2	941.3
20°	2193.0	2121.4	1812.5	1404.6	1066.8	897.0	872.1	899.4	921.9	936.4	938.8
22.5°	2247.7	2145.6	1732.1	1232.5	898.6	824.6	854.4	885.7	908.3	922.7	925.2
25°	2289.6	2144.8	1618.6	1028.1	792.4	805.3	840.7	868.8	885.7	896.2	895.4
27.5°	2316.1	2125.5	1469.8	860.0	750.6	791.6	825.4	843.9	853.6	861.6	860.8
30°	2324.2	2088.5	1282.4	736.1	731.3	778.7	804.5	815.8	823.0	831.0	831.0
32.5°	2340.3	2031.3	1075.6	666.9	716.8	765.9	781.2	790.0	784.4	764.3	760.2
35°	2358.0	1967.8	880.1	634.7	703.1	757.0	771.5	748.2	687.0	679.0	675.8
37.5°	2392.5	1909.0	714.4	612.2	699.9	761.9	773.9	680.6	629.1	604.2	600.1
40°	2451.3	1850.3	603.4	596.1	703.9	782.8	741.7	648.4	563.1	515.7	507.6
42.5°	2528.5	1778.7	540.6	588.1	715.2	816.6	730.5	602.6	509.2	477.1	472.2
45°	2617.8	1683.8	510.8	586.5	728.9	833.4	733.7	565.6	485.1	460.2	458.6
47.5°	2710.3	1590.5	498.0	584.9	745.8	826.2	689.4	554.3	475.5	468.2	473.0
50°	2810.1	1484.3	487.5	580.8	759.4	826.2	665.3	551.9	478.7	494.8	510.8
52.5°	2903.4	1395.0	475.5	568.8	765.1	811.7	658.1	560.7	483.5	479.5	484.3
55°	3016.8	1349.1	469.0	551.9	754.6	767.5	649.2	584.9	487.5	454.5	454.5
57.5°	3146.4	1339.5	459.4	529.4	720.8	706.3	648.4	599.3	477.1	446.5	440.9
60°	3302.4	1360.4	447.3	501.2	679.8	658.9	642.8	599.3	460.2	432.8	435.2
62.5°	3428.7	1358.0	440.1	476.3	625.1	609.8	632.3	591.3	453.7	431.2	430.4
65°	3458.5	1306.5	419.1	444.1	557.5	550.3	621.1	571.2	444.9	422.4	415.9
67.5°	3357.9	1189.8	387.8	401.4	485.9	486.7	601.0	544.6	432.8	417.5	407.1
70°	3072.3	962.2	341.1	350.0	408.7	419.1	571.2	513.3	412.7	396.6	371.7
72.5°	2571.1	691.9	287.2	289.6	325.0	352.4	519.7	470.6	382.9	345.1	318.6
75°	1903.4	459.4	234.1	230.9	243.8	286.4	444.1	423.2	344.3	286.4	272.7
77.5°	1006.4	271.9	180.2	181.0	173.0	219.6	352.4	367.7	305.7	241.3	227.7
80°	344.3	163.3	129.5	135.2	122.3	156.9	261.5	305.7	261.5	201.1	177.8
82.5°	157.7	99.8	92.5	96.5	87.7	106.2	179.4	231.7	208.4	146.4	118.3
85°	79.6	59.5	59.5	65.2	57.9	54.7	99.0	153.7	152.9	100.6	86.9
87.5°	33.0	29.0	27.4	31.4	27.4	20.9	28.2	55.5	80.4	60.3	38.6
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)