

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: P672319

Luminaire Tested: **CCP-SA-2E-835-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672319
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-835-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

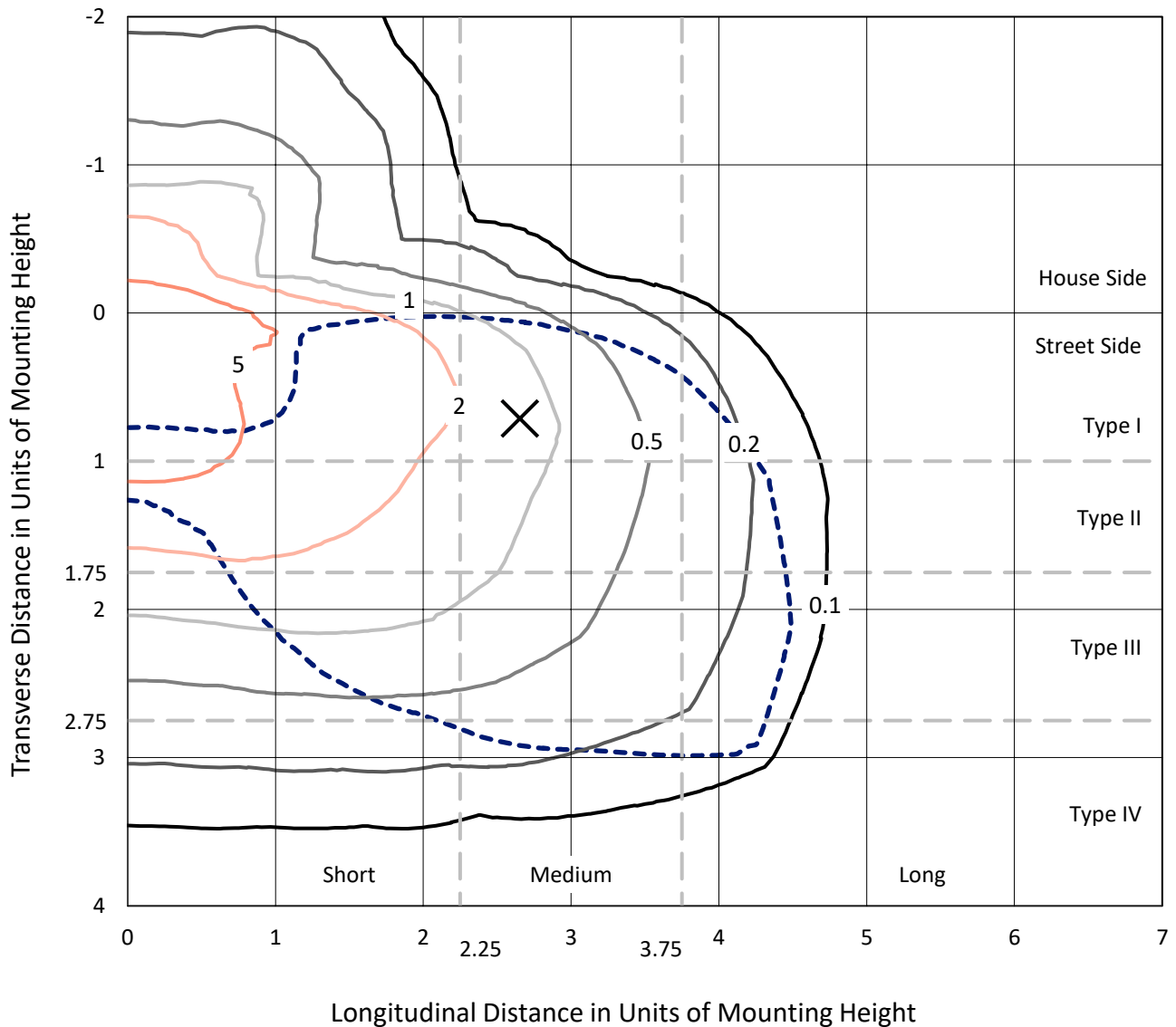
Lumens per Lamp: N/A
Luminaire Lumens: 11451.1 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): 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

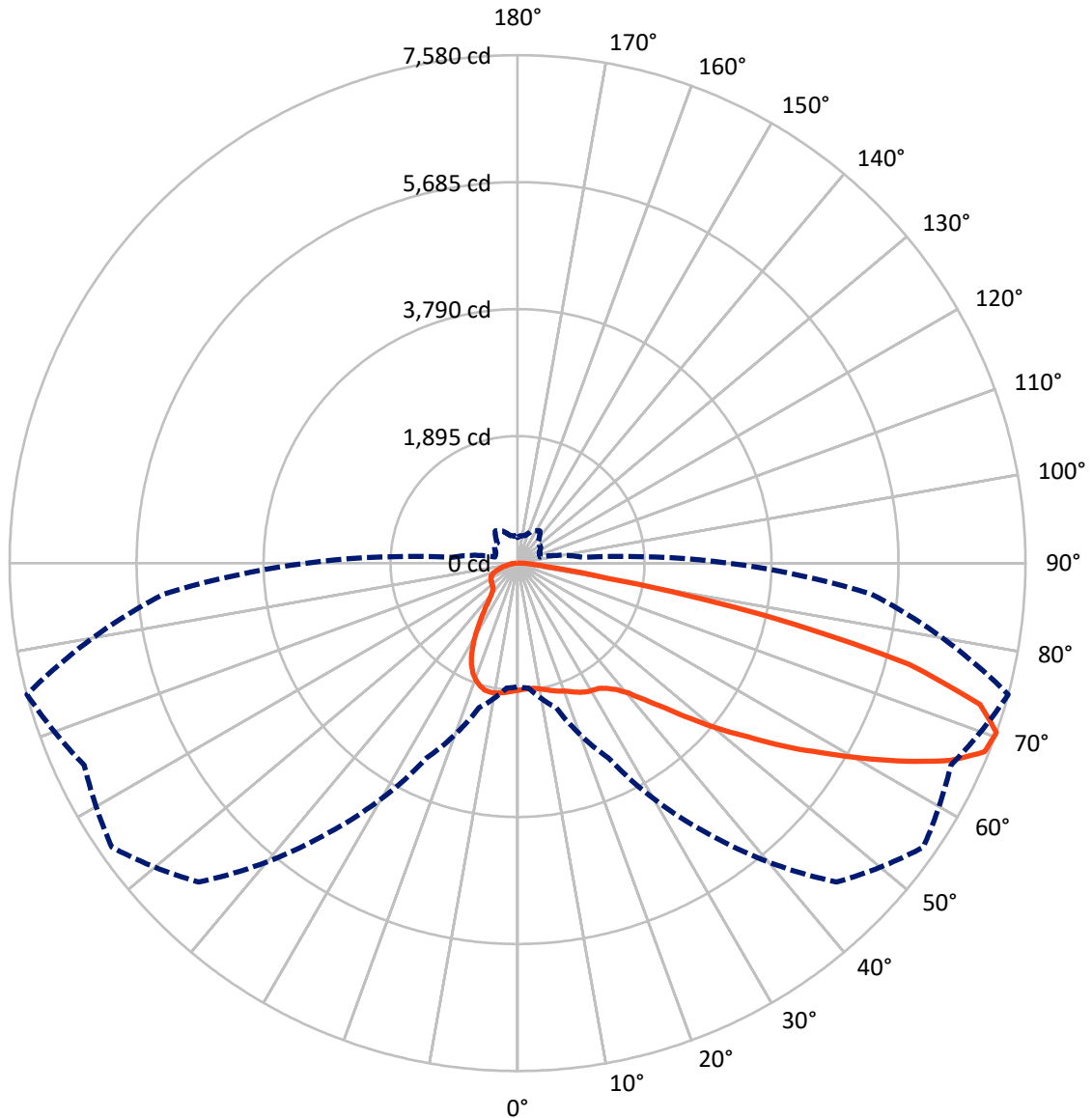
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.7 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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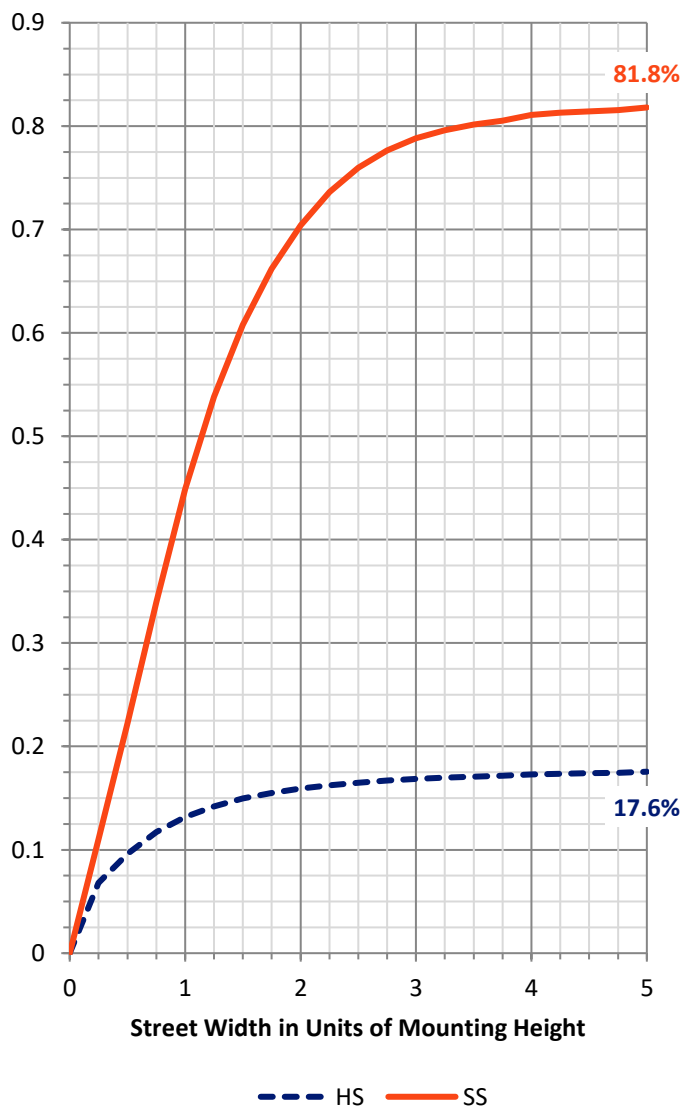
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2037.3	0.0	2037.3
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	9413.8	0.0	9413.8
	% Fixture	82.2	0.0	82.2
Total	Lumens	11451.1	0.0	11451.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	1.5
10°-20°	454.8	4.0
20°-30°	766.2	6.7
30°-40°	1163.7	10.2
40°-50°	1667.1	14.6
50°-60°	2210.3	19.3
60°-70°	2766.0	24.2
70°-80°	2019.9	17.6
80°-90°	232.9	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°	11451.1	100.0
0°-180°	11451.1	100.0



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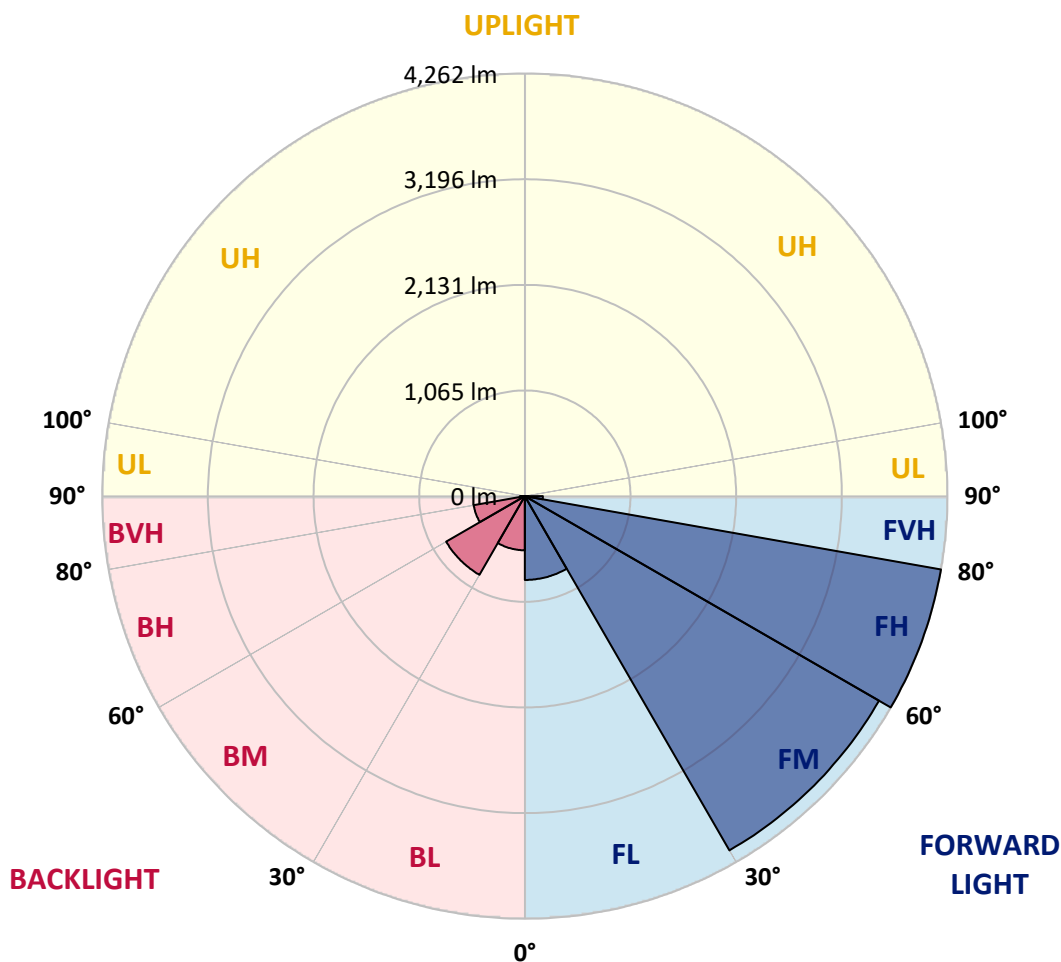
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	845.2	7.4			
FM (30°-60°)	4125.1	36.0			
FH (60°-80°)	4261.8	37.2			G2/5000
FVH (80°-90°)	181.7	1.6			G2/225
BL (0°-30°)	546.1	4.8	B2/1000		
BM (30°-60°)	916.0	8.0	B1/1000		
BH (60°-80°)	524.0	4.6	B2/1000		G2/1000
BVH (80°-90°)	51.2	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°	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8
2.5°	1793.0	1802.9	1811.9	1821.0	1828.4	1848.2	1852.3	1873.7	1879.5	1884.5	1891.0
5°	1692.5	1699.9	1708.9	1723.8	1739.4	1774.9	1799.6	1846.6	1872.9	1881.2	1904.2
7.5°	1638.1	1640.6	1652.9	1665.3	1683.4	1718.0	1751.8	1825.1	1877.9	1886.9	1936.4
10°	1598.5	1601.8	1613.4	1630.7	1648.8	1680.9	1723.0	1810.3	1896.0	1910.0	1980.0
12.5°	1584.5	1582.9	1596.1	1607.6	1633.1	1673.5	1717.2	1811.1	1920.7	1940.5	2043.5
15°	1640.6	1629.8	1638.1	1634.0	1642.2	1681.8	1733.7	1829.3	1951.2	1975.9	2109.4
17.5°	1764.2	1755.1	1749.3	1713.9	1690.8	1713.1	1762.5	1854.8	1983.3	2009.7	2168.7
20°	1948.7	1923.2	1901.8	1842.4	1778.2	1770.7	1805.4	1880.3	2013.8	2039.4	2231.4
22.5°	2158.8	2138.2	2103.6	1999.8	1900.1	1850.7	1859.7	1927.3	2058.3	2086.3	2303.0
25°	2424.2	2423.3	2352.5	2212.4	2061.6	1961.9	1943.0	2002.3	2108.6	2135.8	2362.4
27.5°	2726.6	2706.0	2621.9	2441.5	2252.0	2099.5	2055.0	2078.9	2149.0	2177.0	2410.2
30°	2985.3	2987.8	2902.1	2705.1	2454.7	2233.8	2149.8	2134.1	2175.3	2203.3	2454.7
32.5°	3262.2	3248.2	3169.9	2967.2	2673.8	2378.0	2210.8	2173.7	2202.5	2228.9	2516.5
35°	3522.5	3506.9	3439.3	3221.0	2915.3	2537.1	2293.2	2235.5	2266.8	2295.6	2592.3
37.5°	3770.6	3773.0	3696.4	3487.9	3149.3	2724.9	2415.1	2328.6	2362.4	2394.5	2707.6
40°	3987.3	3974.9	3915.6	3727.7	3392.4	2916.1	2552.7	2455.5	2521.4	2551.1	2853.5
42.5°	4056.5	4055.7	4078.7	3963.4	3647.8	3143.5	2724.1	2653.2	2746.3	2790.8	3032.3
45°	3996.3	4014.5	4147.9	4144.7	3903.2	3404.7	2958.1	2893.8	3028.2	3078.4	3250.6
47.5°	3937.0	3964.2	4145.5	4248.5	4132.3	3692.3	3245.7	3197.9	3390.7	3463.2	3477.2
50°	3850.5	3876.0	4091.9	4263.3	4272.4	3983.2	3618.1	3558.0	3806.0	3880.2	3723.6
52.5°	3754.1	3773.9	3997.2	4252.6	4339.1	4210.6	3983.2	3965.8	4250.9	4311.1	3974.1
55°	3221.8	3305.8	3857.9	4229.5	4385.3	4384.4	4338.3	4395.1	4736.3	4826.1	4253.4
57.5°	2916.1	2960.6	3465.7	4216.3	4471.8	4545.1	4705.0	4826.9	5254.6	5335.3	4561.6
60°	2816.4	2855.9	3268.8	4200.7	4644.0	4796.4	5063.4	5261.2	5811.6	5910.5	4906.0
62.5°	2725.7	2773.5	3188.8	4076.3	4852.5	5194.4	5491.0	5730.8	6399.1	6516.1	5248.8
65°	2541.2	2575.0	3042.2	3971.6	5050.2	5762.1	6108.2	6248.3	6968.5	7100.3	5476.2
67.5°	2222.3	2254.4	2711.7	3731.0	5178.8	6352.9	6783.1	6783.9	7408.5	7516.4	5524.0
70°	1847.4	1872.1	2235.5	3207.0	4911.0	6732.0	7392.0	7134.1	7532.9	7579.9	5296.6
72.5°	1320.9	1342.3	1637.3	2370.6	4026.8	6424.6	7530.4	7119.2	7231.3	7216.5	4649.8
75°	814.1	855.3	1002.8	1446.9	2502.4	5055.2	6777.3	6451.0	6072.0	6030.8	3501.1
77.5°	530.6	552.1	678.1	853.7	1104.1	2902.1	5147.4	4836.8	3834.0	3786.2	1882.0
80°	318.9	354.3	444.1	536.4	500.2	1109.9	2939.2	2402.7	1354.6	1339.8	578.4
82.5°	171.4	203.5	313.1	332.1	281.0	392.2	1064.6	781.1	433.4	428.5	216.7
85°	136.0	151.6	224.9	210.1	159.0	198.6	415.3	325.5	222.5	217.5	81.6
87.5°	82.4	103.8	170.6	141.7	79.1	71.7	190.3	154.1	104.6	97.2	32.1
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°	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8
2.5°	1903.4	1907.5	1911.6	1903.4	1906.7	1902.6	1902.6	1902.6	1891.9	1888.6	1898.5
5°	1921.5	1927.3	1930.6	1905.1	1889.4	1866.3	1847.4	1818.5	1802.1	1791.3	1791.3
7.5°	1958.6	1965.2	1950.4	1893.5	1838.3	1776.5	1713.1	1660.3	1622.4	1606.0	1610.9
10°	2013.0	2015.5	1966.0	1861.4	1743.6	1629.0	1539.2	1469.2	1422.2	1398.3	1395.0
12.5°	2076.4	2065.7	1969.3	1790.5	1615.8	1461.8	1352.2	1261.5	1201.4	1178.3	1166.8
15°	2139.1	2113.5	1957.0	1705.7	1470.8	1285.4	1145.3	1059.6	1022.6	1011.9	1007.7
17.5°	2195.1	2147.3	1915.8	1583.7	1302.7	1079.4	976.4	945.9	950.1	959.9	964.1
20°	2246.2	2172.9	1856.4	1438.7	1092.6	918.7	893.2	921.2	944.3	959.1	961.6
22.5°	2302.2	2197.6	1774.0	1262.3	920.4	844.6	875.1	907.2	930.3	945.1	947.6
25°	2345.1	2196.7	1657.9	1053.1	811.6	824.8	861.1	889.9	907.2	917.9	917.1
27.5°	2372.3	2177.0	1505.4	880.8	768.8	810.8	845.4	864.4	874.2	882.5	881.7
30°	2380.5	2139.1	1313.4	753.9	749.0	797.6	824.0	835.5	842.9	851.2	851.2
32.5°	2397.0	2080.6	1101.7	683.1	734.2	784.4	800.1	809.2	803.4	782.8	778.7
35°	2415.1	2015.5	901.4	650.1	720.2	775.4	790.2	766.3	703.7	695.4	692.1
37.5°	2450.5	1955.3	731.7	627.1	716.9	780.3	792.7	697.1	644.4	618.8	614.7
40°	2510.7	1895.2	618.0	610.6	721.0	801.7	759.7	664.1	576.8	528.2	519.9
42.5°	2589.8	1821.8	553.7	602.3	732.5	836.3	748.2	617.2	521.6	488.6	483.7
45°	2681.3	1724.6	523.2	600.7	746.5	853.7	751.5	579.3	496.9	471.3	469.7
47.5°	2776.0	1629.0	510.0	599.0	763.8	846.2	706.2	567.7	487.0	479.6	484.5
50°	2878.2	1520.3	499.3	594.9	777.8	846.2	681.4	565.3	490.3	506.8	523.2
52.5°	2973.8	1428.8	487.0	582.6	783.6	831.4	674.0	574.3	495.2	491.1	496.0
55°	3090.0	1381.8	480.4	565.3	772.9	786.1	665.0	599.0	499.3	465.6	465.6
57.5°	3222.6	1371.9	470.5	542.2	738.3	723.5	664.1	613.9	488.6	457.3	451.5
60°	3382.5	1393.4	458.1	513.3	696.3	674.8	658.4	613.9	471.3	443.3	445.8
62.5°	3511.8	1390.9	450.7	487.8	640.2	624.6	647.7	605.6	464.7	441.7	440.8
65°	3542.3	1338.2	429.3	454.8	571.0	563.6	636.1	585.0	455.7	432.6	426.0
67.5°	3439.3	1218.7	397.2	411.2	497.7	498.5	615.5	557.8	443.3	427.6	416.9
70°	3146.8	985.5	349.4	358.4	418.6	429.3	585.0	525.7	422.7	406.2	380.7
72.5°	2633.5	708.6	294.2	296.6	332.9	360.9	532.3	482.0	392.2	353.5	326.3
75°	1949.6	470.5	239.8	236.5	249.7	293.3	454.8	433.4	352.7	293.3	279.3
77.5°	1030.8	278.5	184.6	185.4	177.2	224.9	360.9	376.6	313.1	247.2	233.2
80°	352.7	167.3	132.7	138.4	125.2	160.7	267.8	313.1	267.8	206.0	182.1
82.5°	161.5	102.2	94.8	98.9	89.8	108.8	183.7	237.3	213.4	150.0	121.1
85°	81.6	61.0	61.0	66.7	59.3	56.0	101.4	157.4	156.6	103.0	89.0
87.5°	33.8	29.7	28.0	32.1	28.0	21.4	28.8	56.9	82.4	61.8	39.6
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)