

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: P672220

Luminaire Tested: **CCP-SA-2E-722-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672220  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-722-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

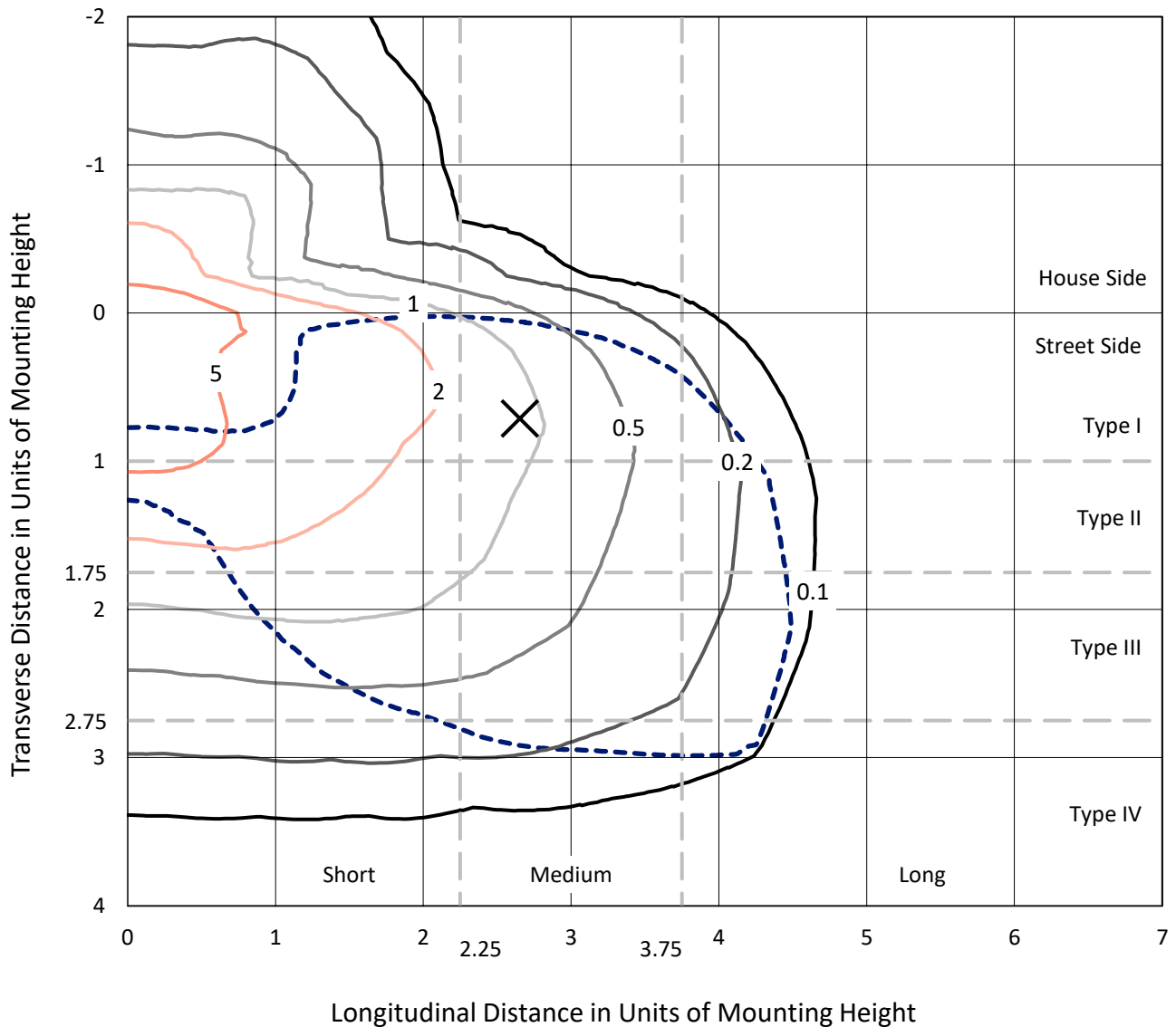
Lumens per Lamp: N/A  
Luminaire Lumens: 10236.5 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

REPORT NUMBER: P672220  
 CATALOG NUMBER: CCP-SA-2E-722-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

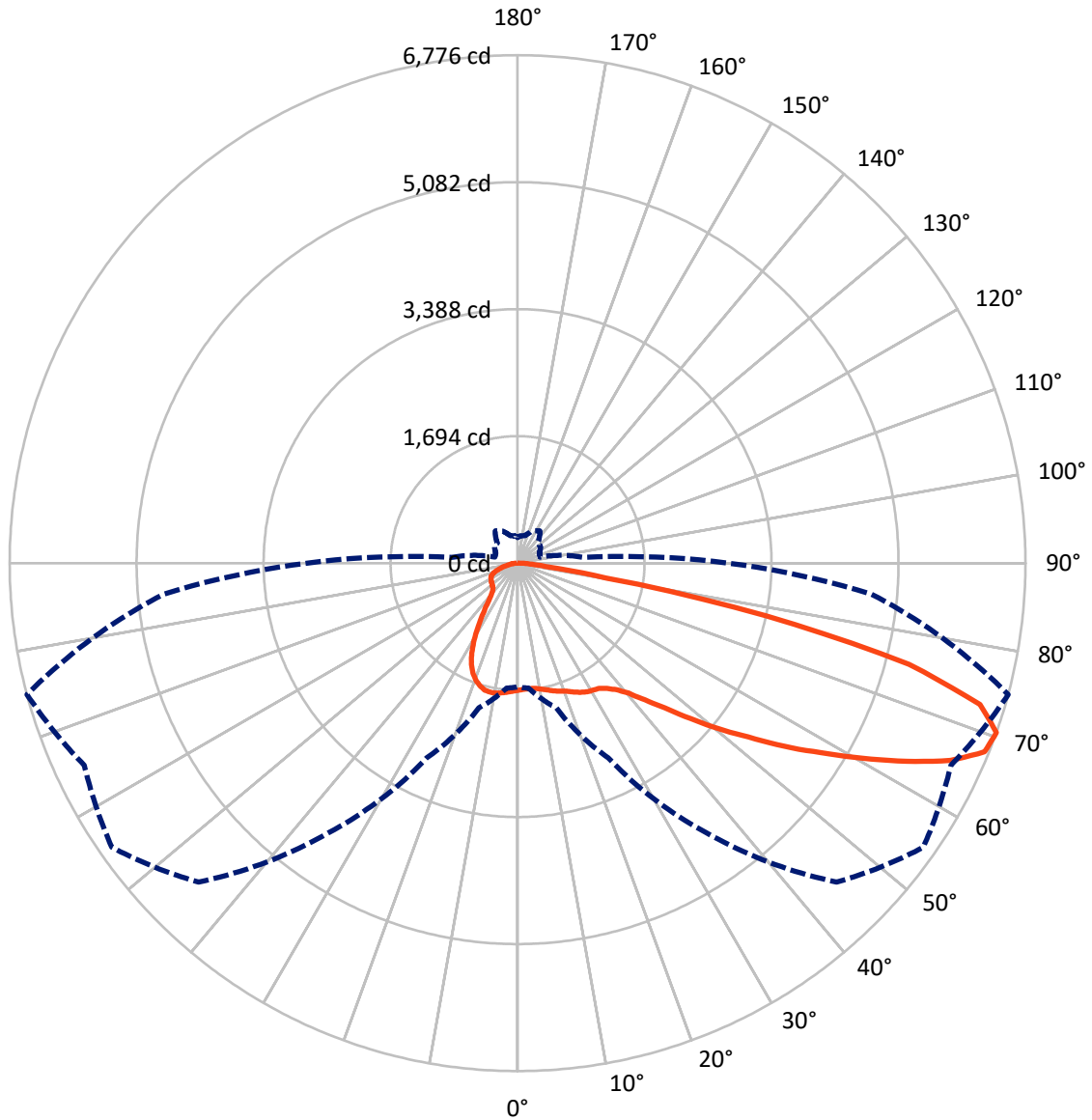
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P672220  
CATALOG NUMBER: CCP-SA-2E-722-U-T3R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P672220

CATALOG NUMBER: CCP-SA-2E-722-U-T3R

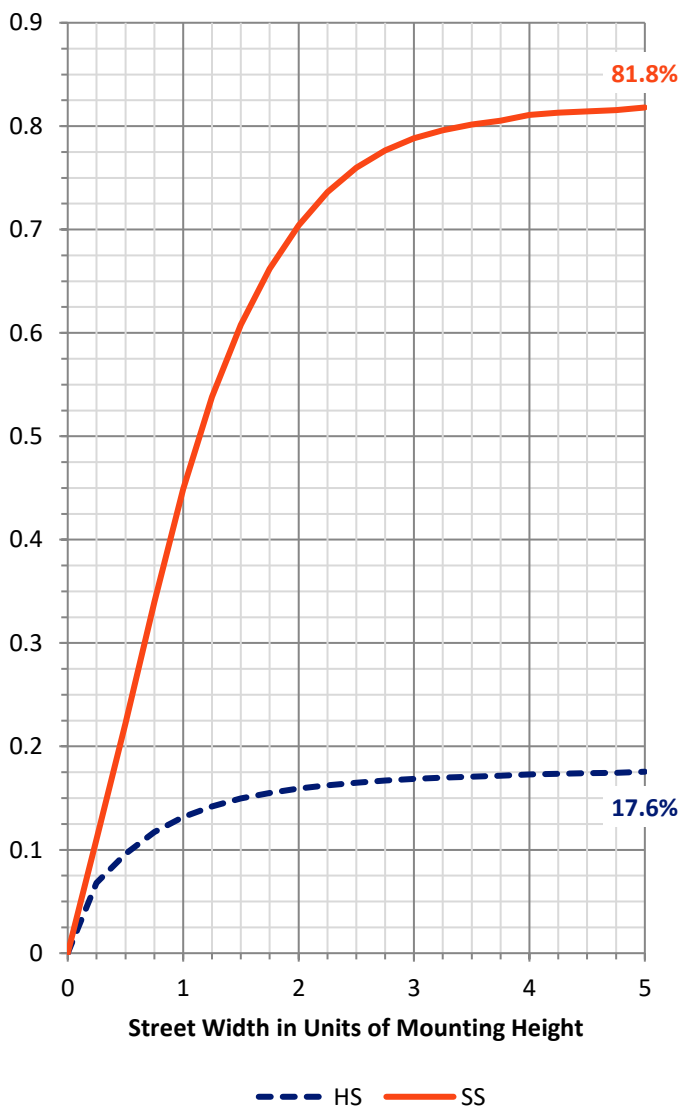
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1821.2	0.0	1821.2
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	8415.3	0.0	8415.3
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	10236.5	0.0	10236.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.3	1.5
10°-20°	406.5	4.0
20°-30°	684.9	6.7
30°-40°	1040.2	10.2
40°-50°	1490.3	14.6
50°-60°	1975.8	19.3
60°-70°	2472.6	24.2
70°-80°	1805.6	17.6
80°-90°	208.2	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°	10236.5	100.0
0°-180°	10236.5	100.0



REPORT NUMBER: P672220

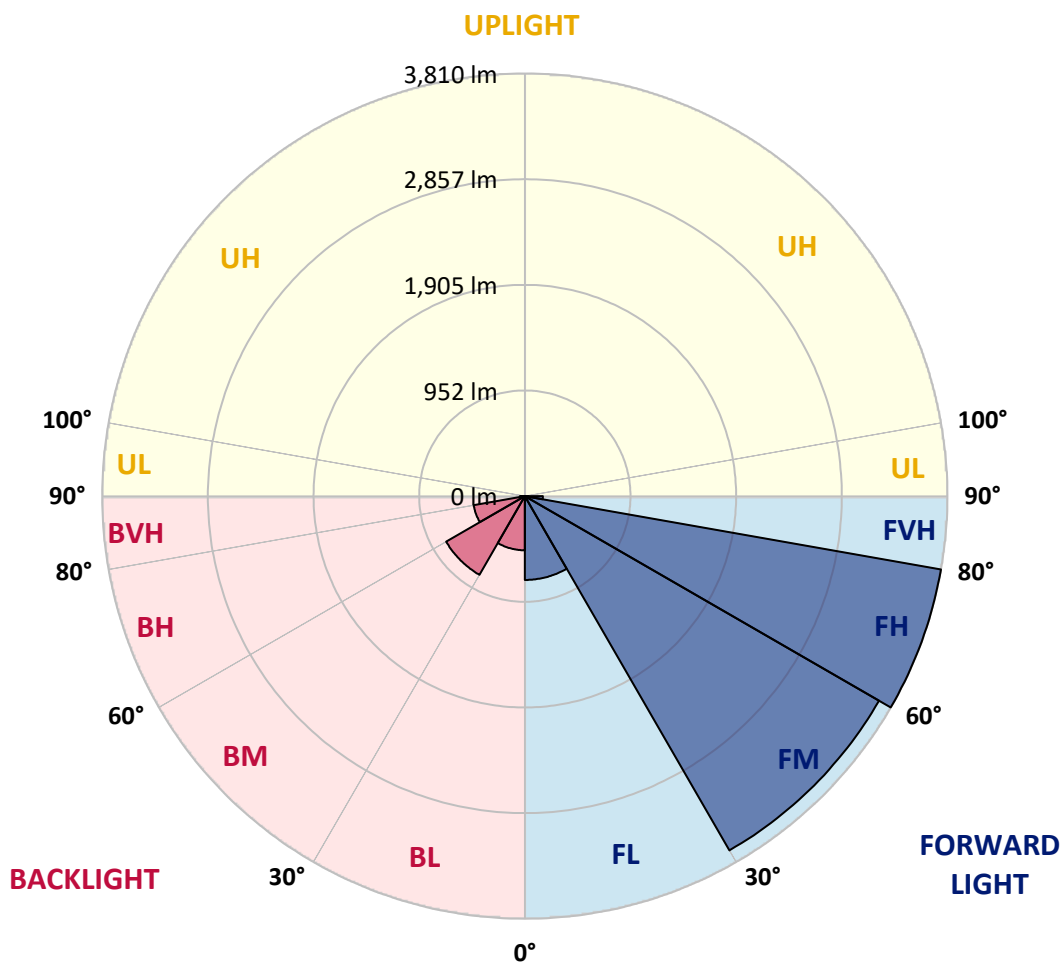
CATALOG NUMBER: CCP-SA-2E-722-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.5	7.4			
FM (30°-60°)	3687.5	36.0			
FH (60°-80°)	3809.8	37.2			G2/5000
FVH (80°-90°)	162.5	1.6			G2/225
BL (0°-30°)	488.2	4.8	B1/500		
BM (30°-60°)	818.8	8.0	B1/1000		
BH (60°-80°)	468.5	4.6	B1/500		G1/500
BVH (80°-90°)	45.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





REPORT NUMBER: P672220

CATALOG NUMBER: CCP-SA-2E-722-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6
2.5°	1602.8	1611.7	1619.8	1627.9	1634.5	1652.2	1655.9	1675.0	1680.2	1684.6	1690.5
5°	1513.0	1519.6	1527.7	1540.9	1554.9	1586.6	1608.7	1650.7	1674.3	1681.6	1702.3
7.5°	1464.3	1466.5	1477.6	1488.6	1504.8	1535.8	1566.0	1631.5	1678.7	1686.8	1731.0
10°	1429.0	1431.9	1442.2	1457.7	1473.9	1502.6	1540.2	1618.3	1694.9	1707.4	1770.0
12.5°	1416.5	1415.0	1426.8	1437.1	1459.9	1496.0	1535.0	1619.0	1717.0	1734.7	1826.7
15°	1466.5	1457.0	1464.3	1460.7	1468.0	1503.4	1549.8	1635.2	1744.2	1766.3	1885.7
17.5°	1577.0	1568.9	1563.8	1532.1	1511.5	1531.4	1575.6	1658.1	1773.0	1796.5	1938.7
20°	1742.0	1719.2	1700.0	1647.0	1589.6	1582.9	1613.9	1680.9	1800.2	1823.1	1994.7
22.5°	1929.9	1911.4	1880.5	1787.7	1698.6	1654.4	1662.5	1722.9	1840.0	1865.0	2058.8
25°	2167.0	2166.3	2103.0	1977.7	1842.9	1753.8	1736.9	1789.9	1884.9	1909.2	2111.8
27.5°	2437.4	2419.0	2343.8	2182.5	2013.1	1876.8	1837.1	1858.4	1921.0	1946.1	2154.5
30°	2668.7	2670.9	2594.3	2418.2	2194.3	1996.9	1921.8	1907.8	1944.6	1969.6	2194.3
32.5°	2916.2	2903.6	2833.7	2652.5	2390.2	2125.8	1976.3	1943.1	1968.9	1992.5	2249.5
35°	3148.9	3134.9	3074.5	2879.3	2606.0	2268.0	2049.9	1998.4	2026.4	2052.1	2317.3
37.5°	3370.6	3372.8	3304.3	3118.0	2815.2	2435.9	2158.9	2081.6	2111.8	2140.5	2420.4
40°	3564.4	3553.3	3500.3	3332.3	3032.5	2606.8	2282.0	2195.0	2254.0	2280.5	2550.8
42.5°	3626.2	3625.5	3646.1	3543.0	3260.9	2810.1	2435.2	2371.8	2455.0	2494.8	2710.6
45°	3572.5	3588.7	3708.0	3705.0	3489.2	3043.6	2644.4	2586.9	2707.0	2751.9	2905.8
47.5°	3519.4	3543.7	3705.8	3797.8	3694.0	3300.7	2901.4	2858.7	3031.1	3095.9	3108.4
50°	3442.1	3464.9	3657.9	3811.1	3819.2	3560.7	3234.4	3180.6	3402.3	3468.6	3328.6
52.5°	3355.9	3373.6	3573.2	3801.5	3878.9	3764.0	3560.7	3545.2	3800.1	3853.8	3552.6
55°	2880.1	2955.2	3448.7	3780.9	3920.1	3919.4	3878.1	3929.0	4233.9	4314.2	3802.3
57.5°	2606.8	2646.6	3098.1	3769.1	3997.5	4063.0	4205.9	4314.9	4697.2	4769.4	4077.8
60°	2517.7	2553.0	2922.0	3755.1	4151.4	4287.7	4526.3	4703.1	5195.2	5283.5	4385.6
62.5°	2436.6	2479.4	2850.6	3643.9	4337.8	4643.5	4908.6	5123.0	5720.3	5824.9	4692.1
65°	2271.6	2301.8	2719.5	3550.4	4514.5	5151.0	5460.3	5585.5	6229.3	6347.2	4895.4
67.5°	1986.6	2015.3	2424.1	3335.3	4629.5	5679.1	6063.6	6064.3	6622.7	6719.2	4938.1
70°	1651.4	1673.5	1998.4	2866.8	4390.1	6017.9	6607.9	6377.4	6733.9	6775.9	4734.8
72.5°	1180.8	1199.9	1463.6	2119.2	3599.7	5743.2	6731.7	6364.1	6464.3	6451.0	4156.6
75°	727.7	764.6	896.4	1293.4	2237.0	4519.0	6058.4	5766.7	5427.9	5391.1	3129.8
77.5°	474.4	493.5	606.2	763.1	987.0	2594.3	4601.5	4323.8	3427.3	3384.6	1682.4
80°	285.1	316.7	397.0	479.5	447.1	992.2	2627.4	2147.9	1211.0	1197.7	517.1
82.5°	153.2	181.9	279.9	296.8	251.2	350.6	951.7	698.3	387.4	383.0	193.7
85°	121.5	135.5	201.1	187.8	142.2	177.5	371.2	291.0	198.9	194.5	72.9
87.5°	73.7	92.8	152.5	126.7	70.7	64.1	170.2	137.7	93.5	86.9	28.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P672220  
 CATALOG NUMBER: CCP-SA-2E-722-U-T3R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6
2.5°	1701.5	1705.2	1708.9	1701.5	1704.5	1700.8	1700.8	1700.8	1691.2	1688.3	1697.1
5°	1717.7	1722.9	1725.8	1703.0	1689.0	1668.4	1651.4	1625.7	1610.9	1601.3	1601.3
7.5°	1750.9	1756.8	1743.5	1692.7	1643.3	1588.1	1531.4	1484.2	1450.3	1435.6	1440.0
10°	1799.5	1801.7	1757.5	1664.0	1558.6	1456.2	1375.9	1313.3	1271.4	1250.0	1247.0
12.5°	1856.2	1846.6	1760.4	1600.6	1444.4	1306.7	1208.7	1127.7	1073.9	1053.3	1043.0
15°	1912.2	1889.3	1749.4	1524.7	1314.8	1149.1	1023.9	947.3	914.1	904.5	900.8
17.5°	1962.3	1919.5	1712.6	1415.7	1164.5	964.9	872.9	845.6	849.3	858.1	861.8
20°	2007.9	1942.4	1659.5	1286.1	976.7	821.3	798.5	823.5	844.1	857.4	859.6
22.5°	2058.0	1964.5	1585.9	1128.5	822.8	755.0	782.3	811.0	831.6	844.9	847.1
25°	2096.3	1963.7	1482.0	941.4	725.5	737.3	769.7	795.5	811.0	820.6	819.8
27.5°	2120.6	1946.1	1345.7	787.4	687.2	724.8	755.7	772.7	781.5	788.9	788.1
30°	2128.0	1912.2	1174.1	674.0	669.6	713.0	736.6	746.9	753.5	760.9	760.9
32.5°	2142.7	1859.9	984.8	610.6	656.3	701.2	715.2	723.3	718.2	699.8	696.1
35°	2158.9	1801.7	805.8	581.2	643.8	693.1	706.4	685.0	629.0	621.7	618.7
37.5°	2190.6	1747.9	654.1	560.5	640.8	697.5	708.6	623.2	576.0	553.2	549.5
40°	2244.4	1694.2	552.4	545.8	644.5	716.7	679.1	593.7	515.6	472.2	464.8
42.5°	2315.1	1628.6	495.0	538.4	654.8	747.6	668.8	551.7	466.3	436.8	432.4
45°	2396.9	1541.7	467.7	537.0	667.3	763.1	671.8	517.8	444.2	421.3	419.9
47.5°	2481.6	1456.2	455.9	535.5	682.8	756.5	631.3	507.5	435.3	428.7	433.1
50°	2572.9	1359.0	446.4	531.8	695.3	756.5	609.2	505.3	438.3	453.0	467.7
52.5°	2658.3	1277.2	435.3	520.8	700.5	743.2	602.5	513.4	442.7	439.0	443.4
55°	2762.2	1235.3	429.4	505.3	690.9	702.7	594.4	535.5	446.4	416.2	416.2
57.5°	2880.8	1226.4	420.6	484.7	660.0	646.7	593.7	548.8	436.8	408.8	403.7
60°	3023.7	1245.6	409.5	458.9	622.4	603.3	588.5	548.8	421.3	396.3	398.5
62.5°	3139.3	1243.4	402.9	436.1	572.3	558.3	579.0	541.4	415.4	394.8	394.1
65°	3166.6	1196.2	383.8	406.6	510.5	503.8	568.6	523.0	407.3	386.7	380.8
67.5°	3074.5	1089.4	355.0	367.6	444.9	445.6	550.2	498.7	396.3	382.3	372.7
70°	2813.0	881.0	312.3	320.4	374.2	383.8	523.0	469.9	377.9	363.1	340.3
72.5°	2354.1	633.5	263.0	265.2	297.6	322.6	475.8	430.9	350.6	316.0	291.7
75°	1742.8	420.6	214.3	211.4	223.2	262.2	406.6	387.4	315.3	262.2	249.7
77.5°	921.5	249.0	165.0	165.7	158.4	201.1	322.6	336.6	279.9	221.0	208.5
80°	315.3	149.5	118.6	123.7	112.0	143.6	239.4	279.9	239.4	184.1	162.8
82.5°	144.4	91.3	84.7	88.4	80.3	97.2	164.3	212.1	190.8	134.1	108.3
85°	72.9	54.5	54.5	59.7	53.0	50.1	90.6	140.7	140.0	92.1	79.6
87.5°	30.2	26.5	25.0	28.7	25.0	19.2	25.8	50.8	73.7	55.2	35.4
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)