

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: P672297

Luminaire Tested: **CCP-SA-2E-827-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672297  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-827-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

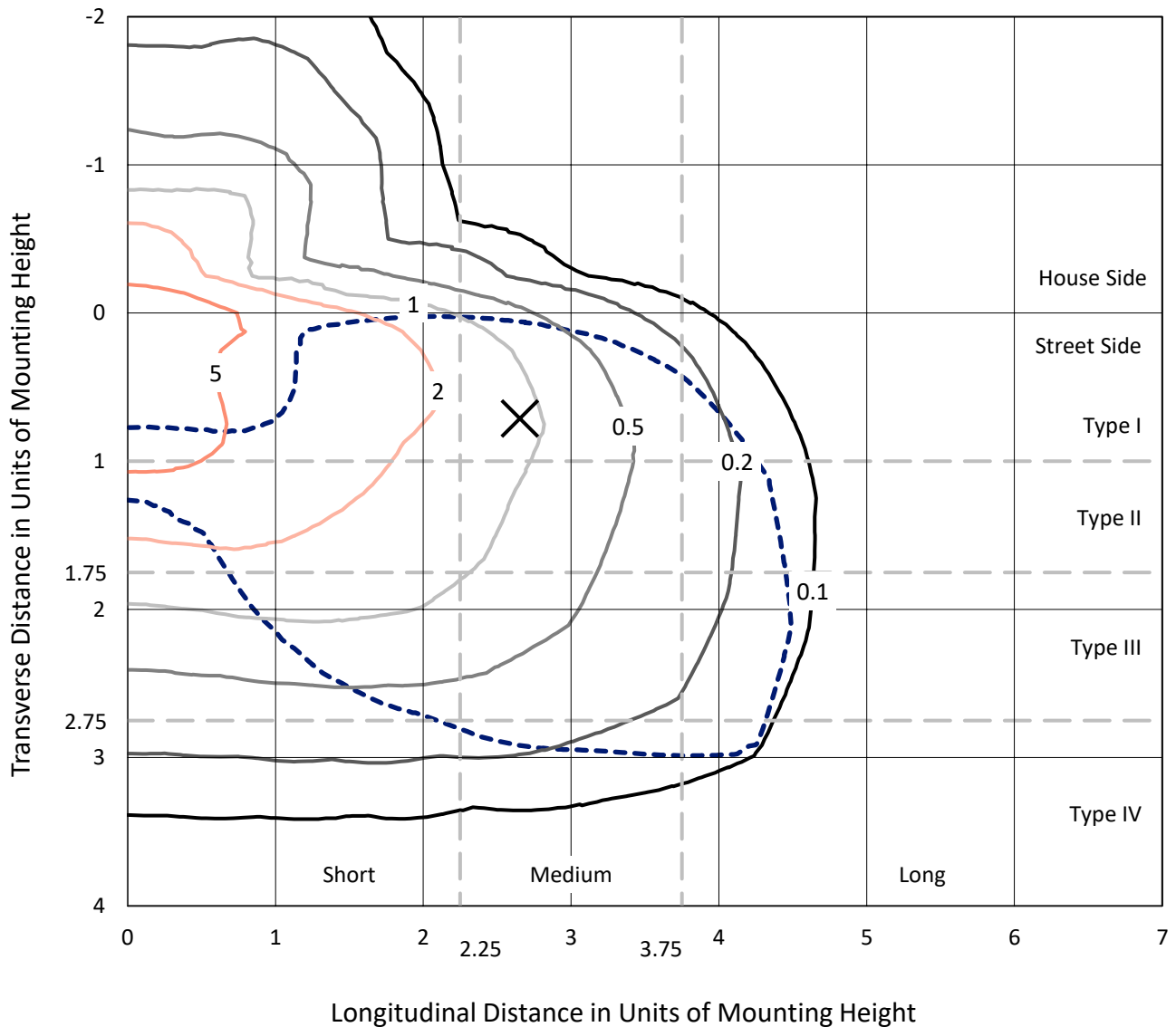
Lumens per Lamp: N/A  
Luminaire Lumens: 10215.6 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (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

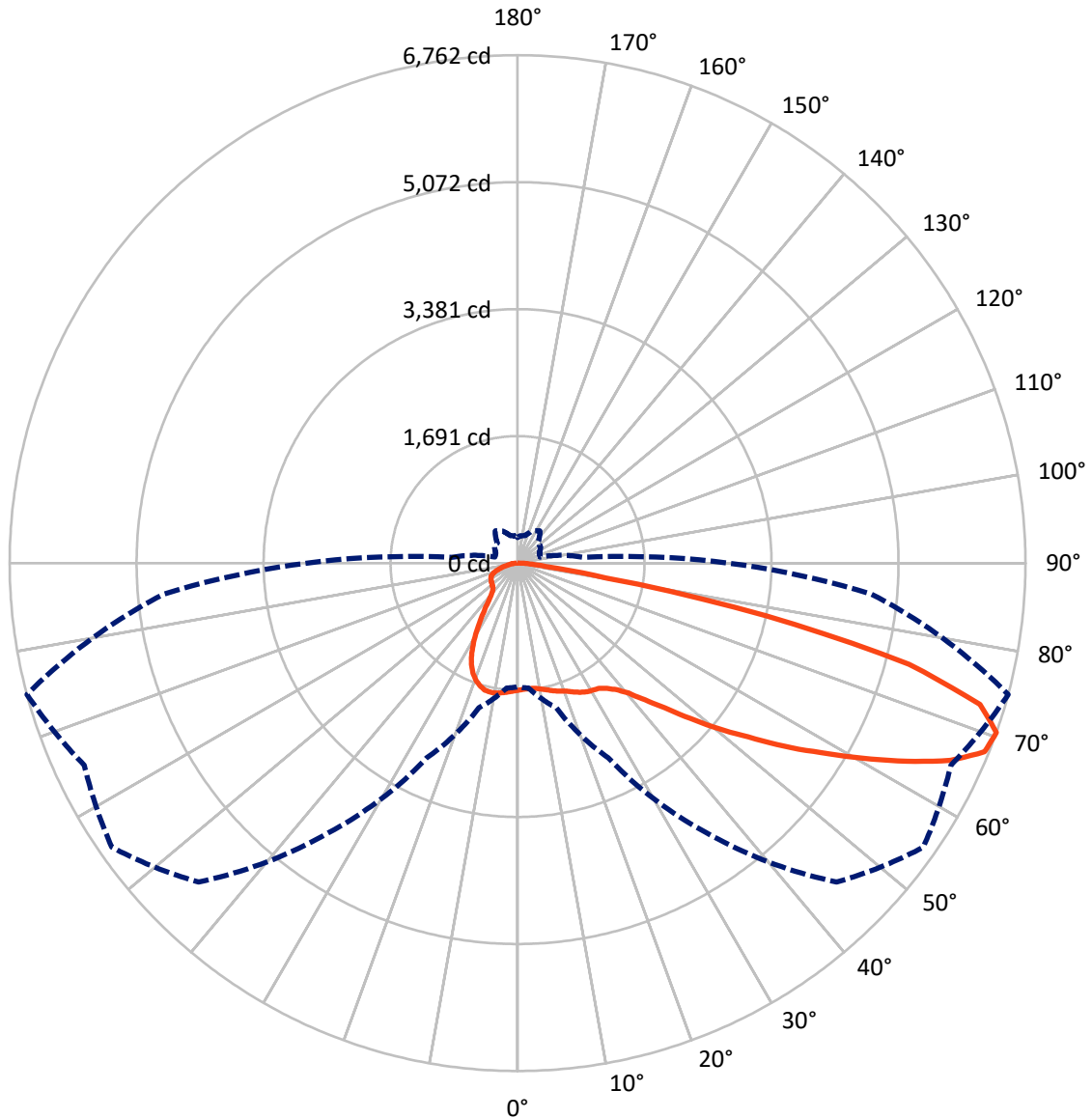
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 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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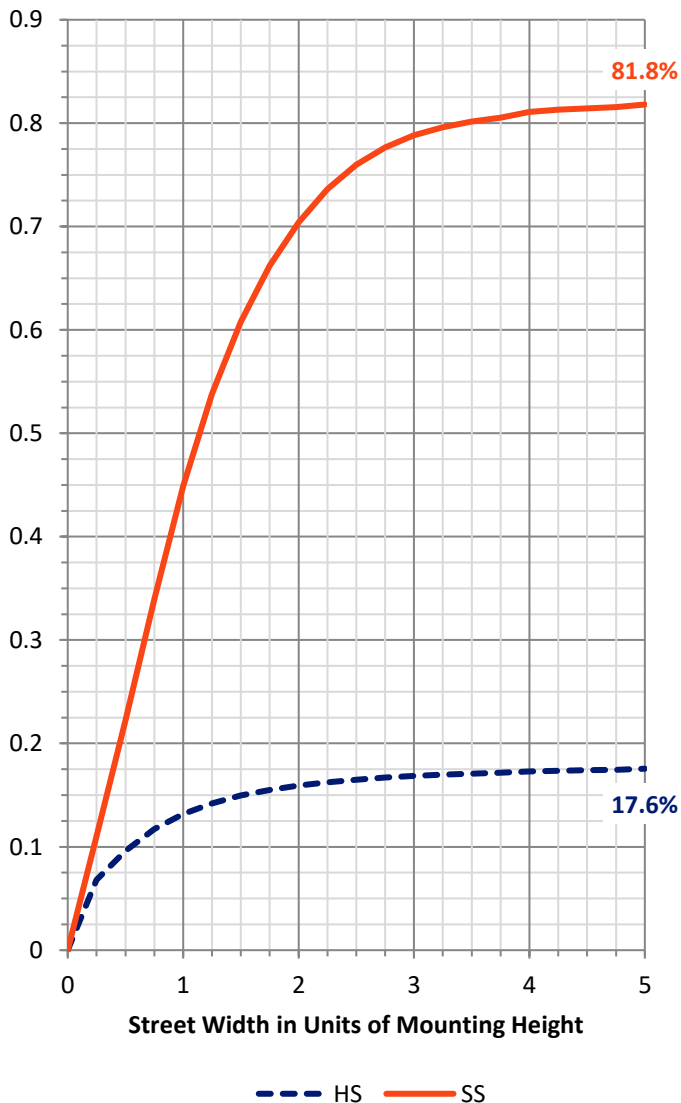
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1817.5	0.0	1817.5
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	8398.2	0.0	8398.2
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	10215.6	0.0	10215.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.0	1.5
10°-20°	405.7	4.0
20°-30°	683.5	6.7
30°-40°	1038.1	10.2
40°-50°	1487.3	14.6
50°-60°	1971.8	19.3
60°-70°	2467.6	24.2
70°-80°	1801.9	17.6
80°-90°	207.8	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°	10215.6	100.0
0°-180°	10215.6	100.0

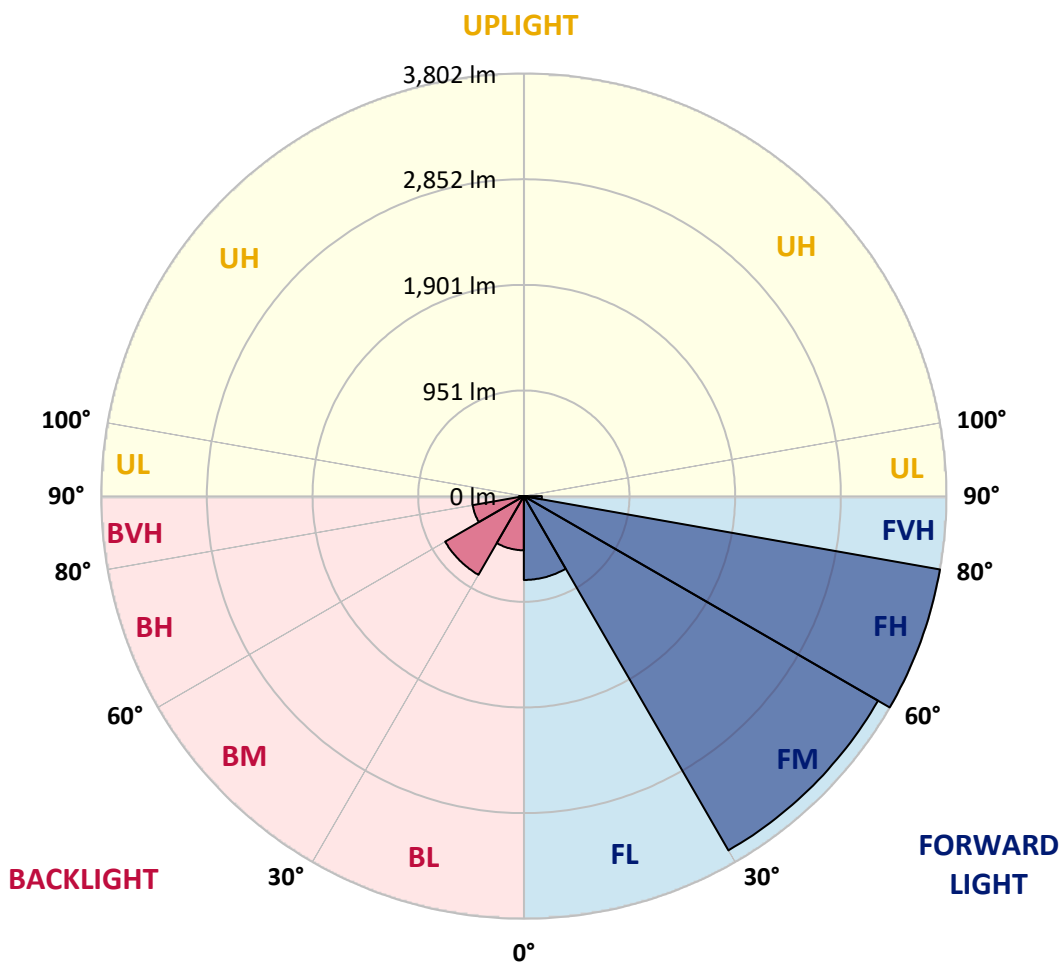


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.0	7.4			
FM (30°-60°)	3680.0	36.0			
FH (60°-80°)	3802.0	37.2			G2/5000
FVH (80°-90°)	162.1	1.6			G2/225
BL (0°-30°)	487.2	4.8	B1/500		
BM (30°-60°)	817.2	8.0	B1/1000		
BH (60°-80°)	467.5	4.6	B1/500		G1/500
BVH (80°-90°)	45.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2
2.5°	1599.6	1608.4	1616.5	1624.5	1631.2	1648.8	1652.5	1671.6	1676.7	1681.1	1687.0
5°	1509.9	1516.5	1524.6	1537.8	1551.8	1583.4	1605.4	1647.3	1670.9	1678.2	1698.8
7.5°	1461.4	1463.6	1474.6	1485.6	1501.8	1532.7	1562.8	1628.2	1675.3	1683.4	1727.5
10°	1426.1	1429.0	1439.3	1454.7	1470.9	1499.6	1537.1	1615.0	1691.4	1703.9	1766.4
12.5°	1413.6	1412.1	1423.9	1434.2	1456.9	1493.0	1531.9	1615.7	1713.5	1731.1	1823.0
15°	1463.6	1454.0	1461.4	1457.7	1465.0	1500.3	1546.6	1631.9	1740.7	1762.7	1881.8
17.5°	1573.8	1565.7	1560.6	1529.0	1508.4	1528.2	1572.4	1654.7	1769.4	1792.9	1934.8
20°	1738.5	1715.7	1696.6	1643.7	1586.3	1579.7	1610.6	1677.5	1796.6	1819.3	1990.6
22.5°	1925.9	1907.6	1876.7	1784.1	1695.1	1651.0	1659.1	1719.4	1836.3	1861.2	2054.6
25°	2162.6	2161.9	2098.7	1973.7	1839.2	1750.2	1733.3	1786.3	1881.1	1905.3	2107.5
27.5°	2432.4	2414.0	2339.1	2178.1	2009.0	1873.0	1833.3	1854.6	1917.1	1942.1	2150.1
30°	2663.2	2665.4	2589.0	2413.3	2189.8	1992.8	1917.8	1903.9	1940.6	1965.6	2189.8
32.5°	2910.2	2897.7	2827.9	2647.1	2385.4	2121.5	1972.2	1939.2	1964.9	1988.4	2245.0
35°	3142.5	3128.5	3068.3	2873.5	2600.7	2263.3	2045.8	1994.3	2022.2	2048.0	2312.6
37.5°	3363.8	3366.0	3297.6	3111.6	2809.5	2430.9	2154.5	2077.4	2107.5	2136.2	2415.5
40°	3557.1	3546.1	3493.1	3325.5	3026.4	2601.5	2277.3	2190.6	2249.4	2275.8	2545.6
42.5°	3618.8	3618.1	3638.7	3535.8	3254.2	2804.4	2430.2	2367.0	2450.0	2489.7	2705.1
45°	3565.2	3581.3	3700.4	3697.5	3482.1	3037.4	2639.0	2581.6	2701.4	2746.3	2899.9
47.5°	3512.3	3536.5	3698.2	3790.1	3686.5	3293.9	2895.5	2852.9	3024.9	3089.6	3102.1
50°	3435.1	3457.9	3650.4	3803.3	3811.4	3553.4	3227.8	3174.1	3395.4	3461.5	3321.9
52.5°	3349.1	3366.7	3565.9	3793.8	3871.0	3756.3	3553.4	3538.0	3792.3	3846.0	3545.3
55°	2874.2	2949.2	3441.7	3773.2	3912.1	3911.4	3870.2	3921.0	4225.3	4305.4	3794.5
57.5°	2601.5	2641.2	3091.8	3761.4	3989.3	4054.7	4197.4	4306.1	4687.7	4759.7	4069.4
60°	2512.5	2547.8	2916.1	3747.5	4143.0	4278.9	4517.1	4693.5	5184.6	5272.8	4376.7
62.5°	2431.7	2474.3	2844.8	3636.5	4328.9	4634.0	4898.6	5112.5	5708.7	5813.1	4682.5
65°	2267.0	2297.2	2713.9	3543.1	4505.4	5140.5	5449.2	5574.2	6216.6	6334.3	4885.4
67.5°	1982.5	2011.2	2419.2	3328.5	4620.0	5667.5	6051.2	6052.0	6609.2	6705.5	4928.0
70°	1648.1	1670.1	1994.3	2861.0	4381.1	6005.7	6594.5	6364.4	6720.2	6762.1	4725.1
72.5°	1178.3	1197.5	1460.6	2114.8	3592.4	5731.5	6718.0	6351.2	6451.1	6437.9	4148.1
75°	726.3	763.0	894.6	1290.8	2232.5	4509.8	6046.1	5755.0	5416.9	5380.1	3123.4
77.5°	473.4	492.5	605.0	761.6	985.0	2589.0	4592.1	4315.0	3420.4	3377.7	1678.9
80°	284.5	316.1	396.2	478.5	446.2	990.2	2622.1	2143.5	1208.5	1195.3	516.0
82.5°	152.9	181.6	279.3	296.2	250.7	349.9	949.7	696.9	386.7	382.2	193.3
85°	121.3	135.3	200.7	187.4	141.9	177.2	370.5	290.4	198.5	194.1	72.8
87.5°	73.5	92.6	152.2	126.4	70.6	64.0	169.8	137.5	93.4	86.7	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2	1692.2
2.5°	1698.1	1701.7	1705.4	1698.1	1701.0	1697.3	1697.3	1697.3	1687.8	1684.8	1693.6
5°	1714.2	1719.4	1722.3	1699.5	1685.6	1665.0	1648.1	1622.3	1607.6	1598.1	1598.1
7.5°	1747.3	1753.2	1740.0	1689.2	1640.0	1584.9	1528.2	1481.2	1447.4	1432.7	1437.1
10°	1795.8	1798.0	1753.9	1660.6	1555.4	1453.3	1373.1	1310.7	1268.8	1247.4	1244.5
12.5°	1852.4	1842.9	1756.9	1597.3	1441.5	1304.0	1206.3	1125.4	1071.8	1051.2	1040.9
15°	1908.3	1885.5	1745.8	1521.6	1312.1	1146.7	1021.8	945.3	912.2	902.7	899.0
17.5°	1958.3	1915.6	1709.1	1412.8	1162.2	963.0	871.1	843.9	847.6	856.4	860.1
20°	2003.9	1938.4	1656.2	1283.5	974.7	819.6	796.8	821.8	842.4	855.6	857.8
22.5°	2053.8	1960.5	1582.6	1126.2	821.1	753.5	780.7	809.3	829.9	843.1	845.4
25°	2092.1	1959.7	1479.0	939.4	724.1	735.8	768.2	793.9	809.3	818.9	818.2
27.5°	2116.3	1942.1	1343.0	785.8	685.8	723.3	754.2	771.1	779.9	787.3	786.5
30°	2123.7	1908.3	1171.7	672.6	668.2	711.6	735.1	745.4	752.0	759.3	759.3
32.5°	2138.4	1856.1	982.8	609.4	655.0	699.8	713.8	721.9	716.7	698.3	694.7
35°	2154.5	1798.0	804.2	580.0	642.5	691.7	704.9	683.6	627.8	620.4	617.5
37.5°	2186.2	1744.4	652.8	559.4	639.5	696.1	707.2	621.9	574.8	552.1	548.4
40°	2239.8	1690.7	551.3	544.7	643.2	715.2	677.8	592.5	514.6	471.2	463.8
42.5°	2310.4	1625.3	494.0	537.3	653.5	746.1	667.5	550.6	465.3	435.9	431.5
45°	2392.0	1538.5	466.8	535.9	666.0	761.6	670.4	516.8	443.3	420.5	419.0
47.5°	2476.5	1453.3	455.0	534.4	681.4	754.9	630.0	506.5	434.4	427.8	432.2
50°	2567.7	1356.2	445.5	530.7	693.9	754.9	607.9	504.3	437.4	452.1	466.8
52.5°	2652.9	1274.6	434.4	519.7	699.1	741.7	601.3	512.4	441.8	438.1	442.5
55°	2756.6	1232.7	428.6	504.3	689.5	701.3	593.2	534.4	445.5	415.3	415.3
57.5°	2874.9	1223.9	419.7	483.7	658.6	645.4	592.5	547.6	435.9	408.0	402.8
60°	3017.5	1243.0	408.7	458.0	621.1	602.0	587.3	547.6	420.5	395.5	397.7
62.5°	3132.9	1240.8	402.1	435.2	571.2	557.2	577.8	540.3	414.6	394.0	393.3
65°	3160.1	1193.8	383.0	405.8	509.4	502.8	567.5	521.9	406.5	385.9	380.0
67.5°	3068.3	1087.2	354.3	366.8	444.0	444.7	549.1	497.7	395.5	381.5	372.0
70°	2807.3	879.2	311.7	319.8	373.4	383.0	521.9	469.0	377.1	362.4	339.6
72.5°	2349.3	632.2	262.4	264.6	297.0	322.0	474.9	430.0	349.9	315.4	291.1
75°	1739.2	419.7	213.9	211.0	222.7	261.7	405.8	386.7	314.6	261.7	249.2
77.5°	919.6	248.5	164.7	165.4	158.0	200.7	322.0	335.9	279.3	220.5	208.0
80°	314.6	149.2	118.3	123.5	111.7	143.3	238.9	279.3	238.9	183.8	162.5
82.5°	144.1	91.2	84.5	88.2	80.1	97.0	163.9	211.7	190.4	133.8	108.1
85°	72.8	54.4	54.4	59.5	52.9	50.0	90.4	140.4	139.7	91.9	79.4
87.5°	30.1	26.5	25.0	28.7	25.0	19.1	25.7	50.7	73.5	55.1	35.3
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)