

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: P672241

Luminaire Tested: **CCP-SA-2D-730-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672241
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-730-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

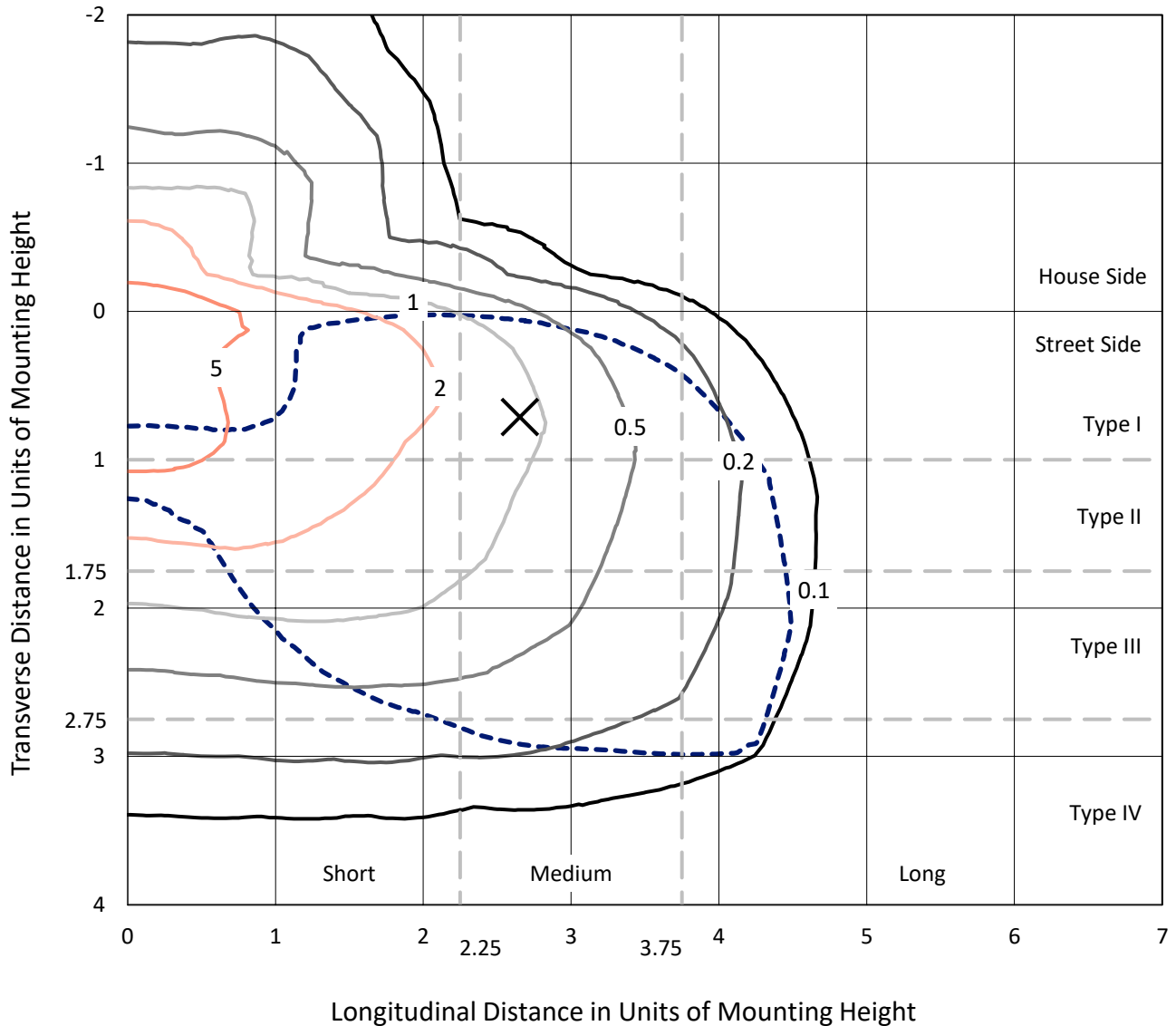
Lumens per Lamp: N/A
Luminaire Lumens: 10322 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

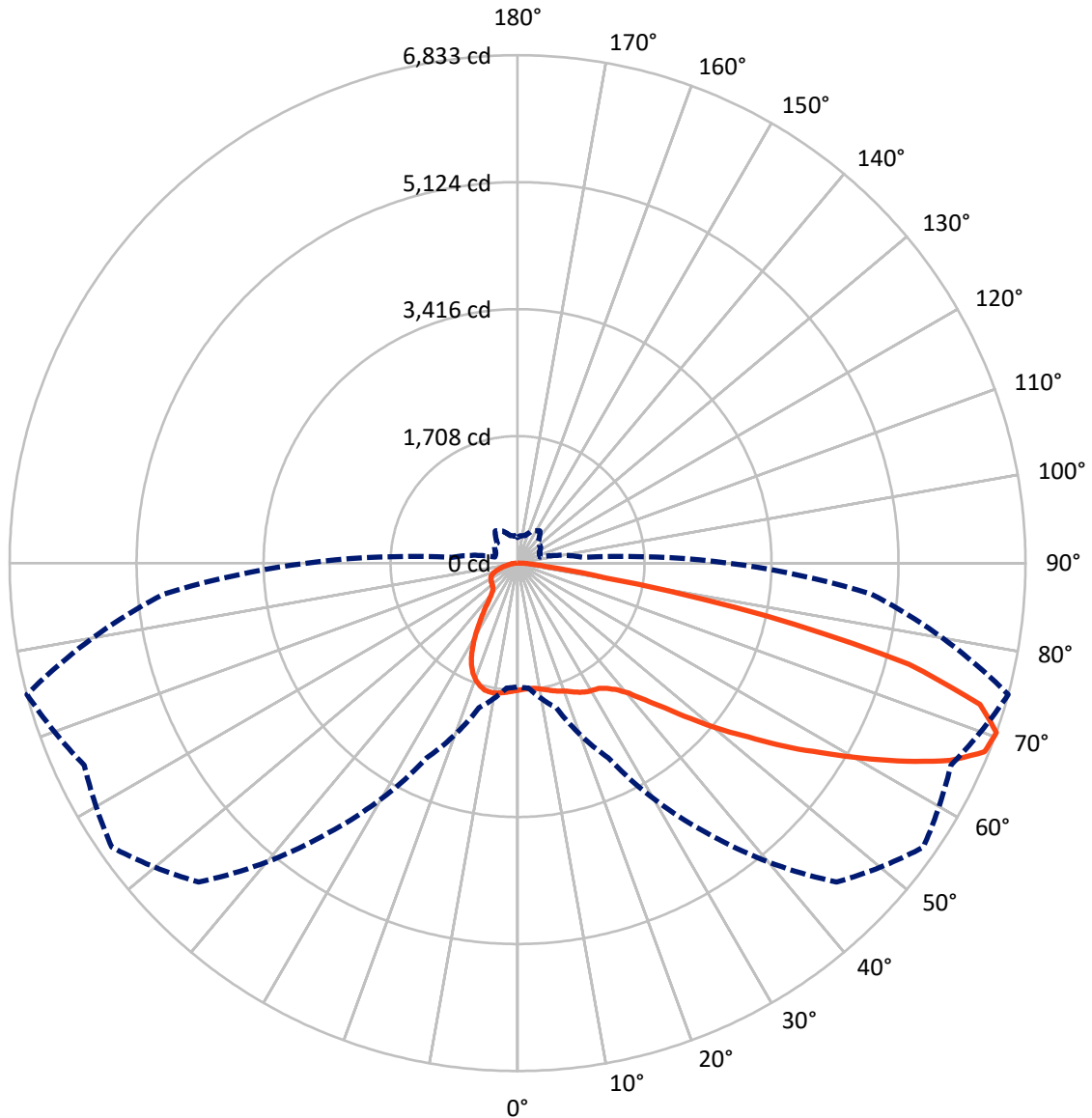
× Max cd
 - - - 1/2 Max cd



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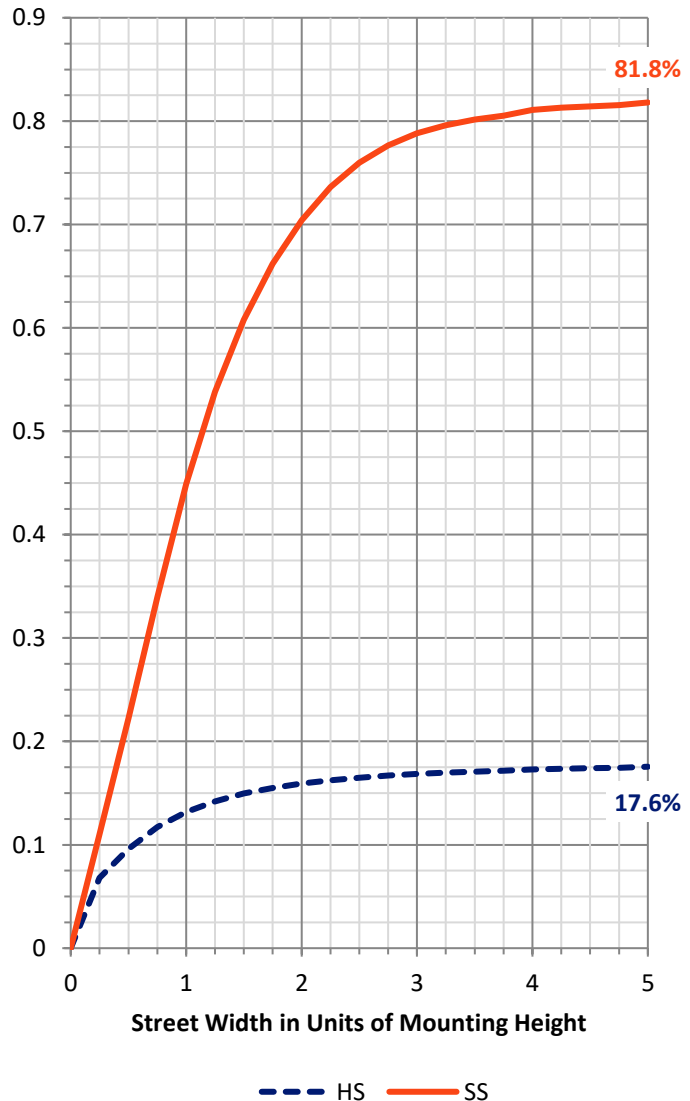
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1836.4	0.0	1836.4
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	8485.6	0.0	8485.6
	% Fixture	82.2	0.0	82.2
Total	Lumens	10322.0	0.0	10322.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	1.5
10°-20°	409.9	4.0
20°-30°	690.6	6.7
30°-40°	1048.9	10.2
40°-50°	1502.7	14.6
50°-60°	1992.3	19.3
60°-70°	2493.3	24.2
70°-80°	1820.7	17.6
80°-90°	209.9	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°	10322.0	100.0
0°-180°	10322.0	100.0



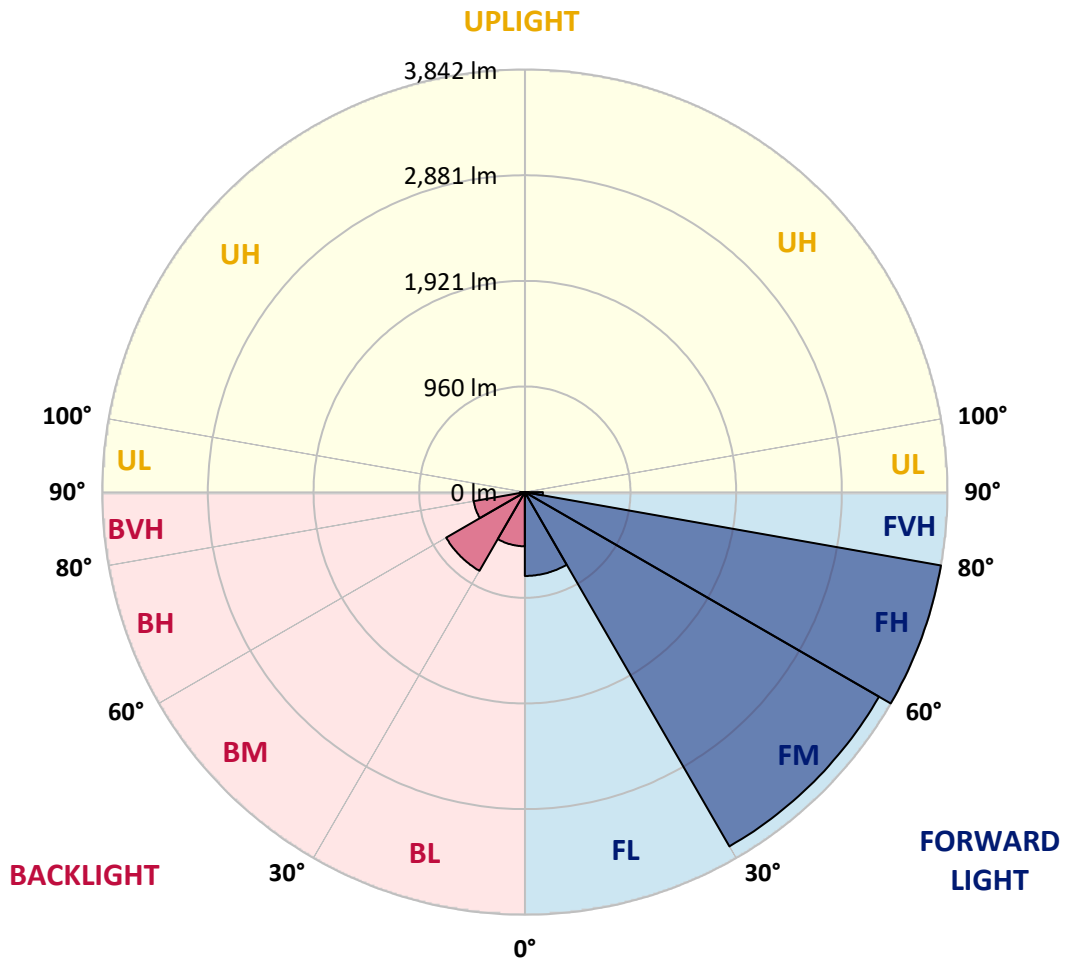
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.8	7.4			
FM (30°-60°)	3718.4	36.0			
FH (60°-80°)	3841.6	37.2			G2/5000
FVH (80°-90°)	163.8	1.6			G2/225
BL (0°-30°)	492.3	4.8	B1/500		
BM (30°-60°)	825.7	8.0	B1/1000		
BH (60°-80°)	472.4	4.6	B1/500		G1/500
BVH (80°-90°)	46.1	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°	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8
2.5°	1616.2	1625.1	1633.3	1641.5	1648.1	1666.0	1669.7	1689.0	1694.2	1698.7	1704.6
5°	1525.6	1532.3	1540.4	1553.8	1567.9	1599.9	1622.1	1664.5	1688.3	1695.7	1716.5
7.5°	1476.6	1478.8	1489.9	1501.1	1517.4	1548.6	1579.1	1645.2	1692.7	1700.9	1745.4
10°	1440.9	1443.9	1454.3	1469.9	1486.2	1515.2	1553.1	1631.8	1709.1	1721.7	1784.8
12.5°	1428.3	1426.8	1438.7	1449.1	1472.1	1508.5	1547.9	1632.5	1731.3	1749.2	1842.0
15°	1478.8	1469.1	1476.6	1472.9	1480.3	1515.9	1562.7	1648.9	1758.8	1781.1	1901.4
17.5°	1590.2	1582.0	1576.8	1544.9	1524.1	1544.2	1588.7	1671.9	1787.8	1811.5	1954.9
20°	1756.6	1733.6	1714.2	1660.8	1602.8	1596.2	1627.3	1694.9	1815.3	1838.3	2011.3
22.5°	1946.0	1927.4	1896.2	1802.6	1712.8	1668.2	1676.4	1737.3	1855.4	1880.6	2076.0
25°	2185.1	2184.4	2120.5	1994.3	1858.3	1768.5	1751.4	1804.9	1900.7	1925.2	2129.4
27.5°	2457.7	2439.2	2363.4	2200.7	2029.9	1892.5	1852.4	1873.9	1937.1	1962.3	2172.5
30°	2691.0	2693.2	2615.9	2438.4	2212.6	2013.6	1937.8	1923.7	1960.8	1986.1	2212.6
32.5°	2940.5	2927.9	2857.3	2674.6	2410.2	2143.6	1992.8	1959.4	1985.4	2009.1	2268.3
35°	3175.2	3161.1	3100.2	2903.4	2627.8	2286.9	2067.1	2015.1	2043.3	2069.3	2336.7
37.5°	3398.8	3401.0	3331.9	3144.0	2838.8	2456.2	2177.0	2099.0	2129.4	2158.4	2440.7
40°	3594.1	3583.0	3529.5	3360.2	3057.9	2628.6	2301.0	2213.4	2272.8	2299.5	2572.1
42.5°	3656.5	3655.8	3676.6	3572.6	3288.1	2833.6	2455.5	2391.6	2475.6	2515.7	2733.3
45°	3602.3	3618.6	3739.0	3736.0	3518.4	3069.0	2666.4	2608.5	2729.6	2774.9	2930.1
47.5°	3548.8	3573.3	3736.7	3829.6	3724.9	3328.2	2925.7	2882.6	3056.4	3121.7	3134.4
50°	3470.8	3493.9	3688.5	3842.9	3851.1	3590.4	3261.4	3207.2	3430.7	3497.6	3356.5
52.5°	3383.9	3401.8	3603.0	3833.3	3911.3	3795.4	3590.4	3574.8	3831.8	3886.0	3582.2
55°	2904.1	2979.9	3477.5	3812.5	3952.9	3952.1	3910.5	3961.8	4269.3	4350.2	3834.0
57.5°	2628.6	2668.7	3124.0	3800.6	4030.9	4097.0	4241.1	4351.0	4736.5	4809.3	4111.8
60°	2538.7	2574.3	2946.5	3786.5	4186.1	4323.5	4564.2	4742.4	5238.6	5327.7	4422.3
62.5°	2457.0	2500.1	2874.4	3674.3	4374.0	4682.2	4949.6	5165.8	5768.1	5873.6	4731.3
65°	2290.6	2321.1	2742.2	3580.0	4552.3	5194.0	5505.9	5632.2	6281.4	6400.2	4936.3
67.5°	2003.2	2032.1	2444.4	3363.1	4668.1	5726.5	6114.3	6115.0	6678.0	6775.3	4979.3
70°	1665.2	1687.5	2015.1	2890.8	4426.7	6068.2	6663.1	6430.7	6790.2	6832.5	4774.3
72.5°	1190.6	1209.9	1475.8	2136.9	3629.8	5791.2	6787.9	6417.3	6518.3	6504.9	4191.3
75°	733.8	771.0	903.9	1304.3	2255.7	4556.7	6109.1	5814.9	5473.3	5436.1	3155.9
77.5°	478.3	497.6	611.3	769.5	995.3	2615.9	4639.9	4359.9	3456.0	3412.9	1696.4
80°	287.4	319.4	400.3	483.5	450.8	1000.5	2649.4	2165.8	1221.1	1207.7	521.4
82.5°	154.5	183.5	282.2	299.3	253.3	353.5	959.6	704.1	390.7	386.2	195.3
85°	122.6	136.7	202.8	189.4	143.3	179.0	374.3	293.4	200.5	196.1	73.5
87.5°	74.3	93.6	153.7	127.8	71.3	64.6	171.6	138.9	94.3	87.6	29.0
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°	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8	1709.8
2.5°	1715.7	1719.4	1723.2	1715.7	1718.7	1715.0	1715.0	1715.0	1705.3	1702.4	1711.3
5°	1732.1	1737.3	1740.2	1717.2	1703.1	1682.3	1665.2	1639.2	1624.4	1614.7	1614.7
7.5°	1765.5	1771.4	1758.1	1706.8	1657.1	1601.4	1544.2	1496.6	1462.5	1447.6	1452.1
10°	1814.5	1816.7	1772.2	1677.9	1571.6	1468.4	1387.4	1324.3	1282.0	1260.4	1257.5
12.5°	1871.7	1862.1	1775.2	1614.0	1456.5	1317.6	1218.8	1137.1	1082.9	1062.1	1051.7
15°	1928.2	1905.1	1764.0	1537.5	1325.8	1158.7	1032.4	955.2	921.7	912.1	908.4
17.5°	1978.7	1935.6	1726.9	1427.6	1174.3	973.0	880.1	852.7	856.4	865.3	869.0
20°	2024.7	1958.6	1673.4	1296.8	984.9	828.2	805.1	830.4	851.2	864.6	866.8
22.5°	2075.2	1980.9	1599.1	1137.9	829.6	761.3	788.8	817.8	838.6	851.9	854.2
25°	2113.8	1980.2	1494.4	949.2	731.6	743.5	776.2	802.2	817.8	827.4	826.7
27.5°	2138.4	1962.3	1357.0	794.0	693.0	730.9	762.1	779.1	788.0	795.5	794.7
30°	2145.8	1928.2	1183.9	679.6	675.2	719.0	742.7	753.1	759.8	767.3	767.3
32.5°	2160.6	1875.4	993.0	615.7	661.8	707.1	721.2	729.4	724.2	705.6	701.9
35°	2177.0	1816.7	812.6	586.0	649.2	698.9	712.3	690.8	634.3	626.9	623.9
37.5°	2208.9	1762.5	659.6	565.2	646.2	703.4	714.5	628.4	580.8	557.8	554.1
40°	2263.1	1708.3	557.1	550.4	649.9	722.7	684.8	598.7	519.9	476.1	468.7
42.5°	2334.4	1642.2	499.1	542.9	660.3	753.9	674.4	556.3	470.2	440.4	436.0
45°	2416.9	1554.6	471.6	541.5	672.9	769.5	677.4	522.1	447.9	424.8	423.4
47.5°	2502.3	1468.4	459.8	540.0	688.5	762.8	636.5	511.7	439.0	432.3	436.7
50°	2594.4	1370.4	450.1	536.3	701.1	762.8	614.2	509.5	441.9	456.8	471.6
52.5°	2680.6	1287.9	439.0	525.1	706.3	749.4	607.6	517.7	446.4	442.7	447.1
55°	2785.3	1245.6	433.0	509.5	696.7	708.6	599.4	540.0	450.1	419.6	419.6
57.5°	2904.9	1236.7	424.1	488.7	665.5	652.1	598.7	553.3	440.4	412.2	407.0
60°	3049.0	1256.0	413.0	462.7	627.6	608.3	593.5	553.3	424.8	399.6	401.8
62.5°	3165.6	1253.7	406.3	439.7	577.1	563.0	583.8	545.9	418.9	398.1	397.4
65°	3193.0	1206.2	387.0	410.0	514.7	508.0	573.4	527.3	410.7	389.9	384.0
67.5°	3100.2	1098.5	358.0	370.6	448.6	449.4	554.8	502.8	399.6	385.5	375.8
70°	2836.5	888.3	314.9	323.1	377.3	387.0	527.3	473.9	381.0	366.2	343.1
72.5°	2373.8	638.8	265.2	267.4	300.1	325.3	479.8	434.5	353.5	318.6	294.1
75°	1757.3	424.1	216.1	213.2	225.1	264.4	410.0	390.7	317.9	264.4	251.8
77.5°	929.2	251.0	166.4	167.1	159.7	202.8	325.3	339.4	282.2	222.8	210.2
80°	317.9	150.8	119.6	124.8	112.9	144.8	241.4	282.2	241.4	185.7	164.1
82.5°	145.6	92.1	85.4	89.1	81.0	98.0	165.6	213.9	192.4	135.2	109.2
85°	73.5	55.0	55.0	60.2	53.5	50.5	91.4	141.9	141.1	92.8	80.2
87.5°	30.5	26.7	25.3	29.0	25.3	19.3	26.0	51.2	74.3	55.7	35.7
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)