

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: P672231

Luminaire Tested: **CCP-SA-2E-727-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672231
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-727-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

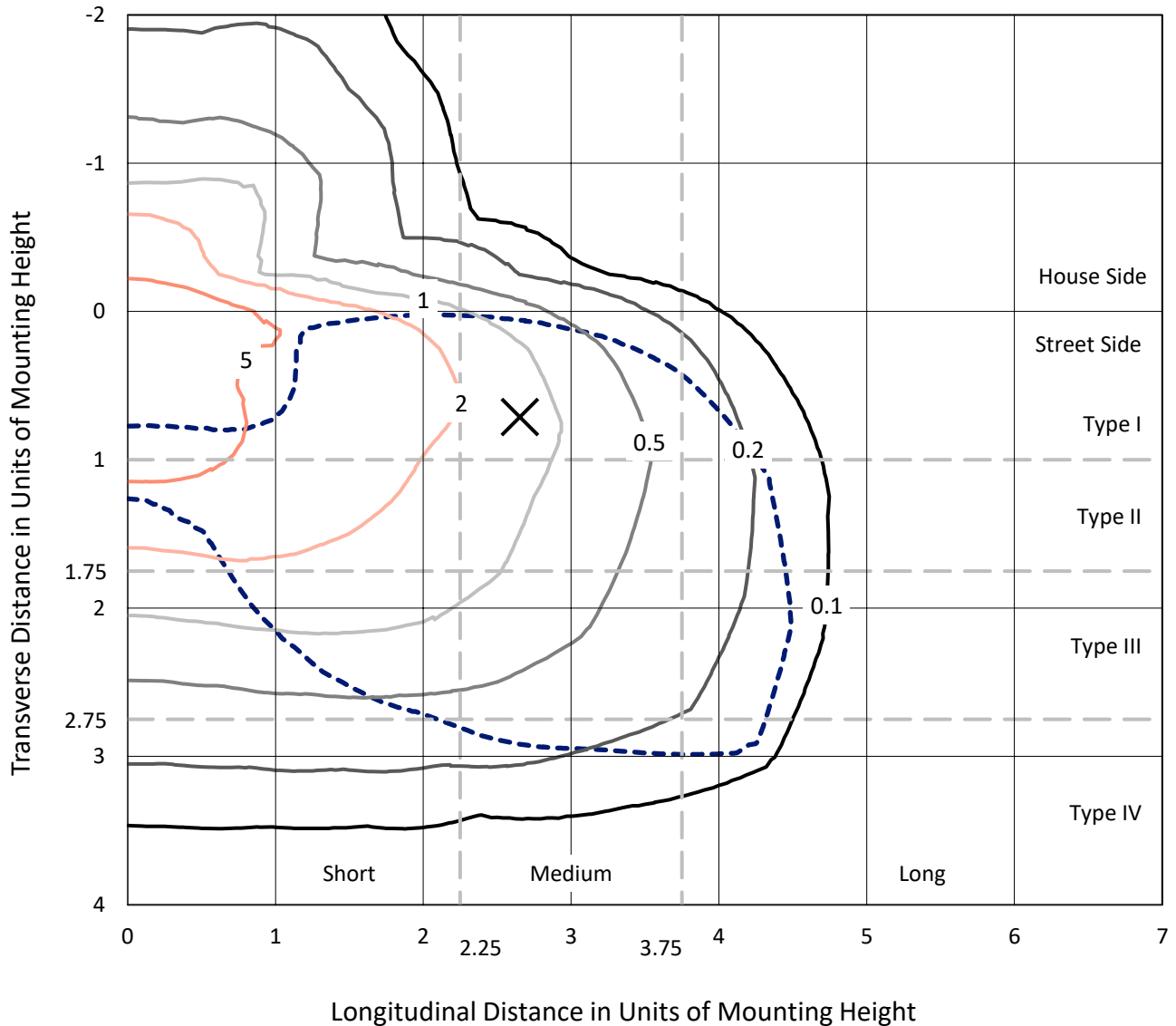
Lumens per Lamp: N/A
Luminaire Lumens: 11622 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

REPORT NUMBER: P672231
 CATALOG NUMBER: CCP-SA-2E-727-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

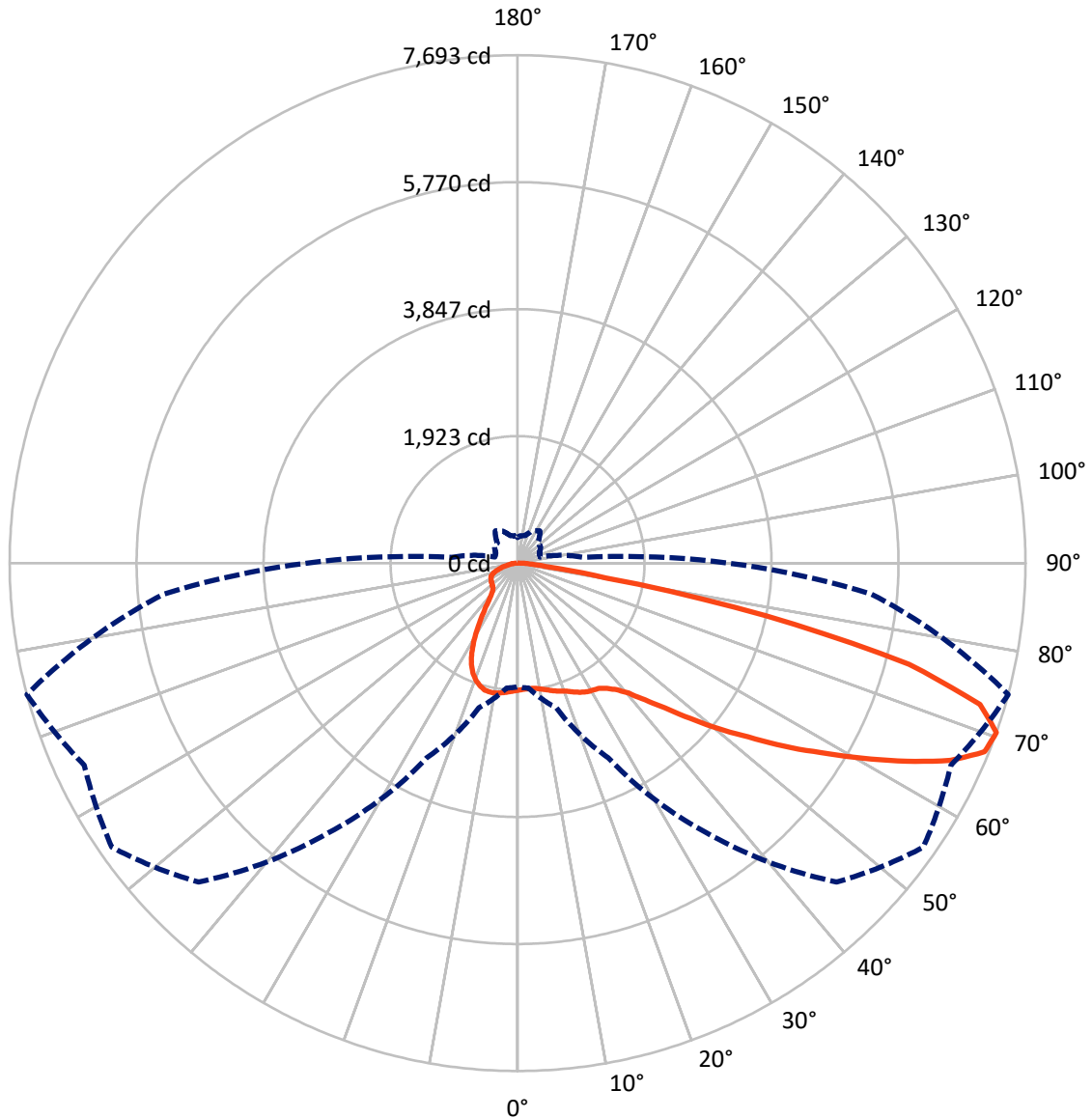
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P672231
CATALOG NUMBER: CCP-SA-2E-727-U-T3R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672231

CATALOG NUMBER: CCP-SA-2E-727-U-T3R

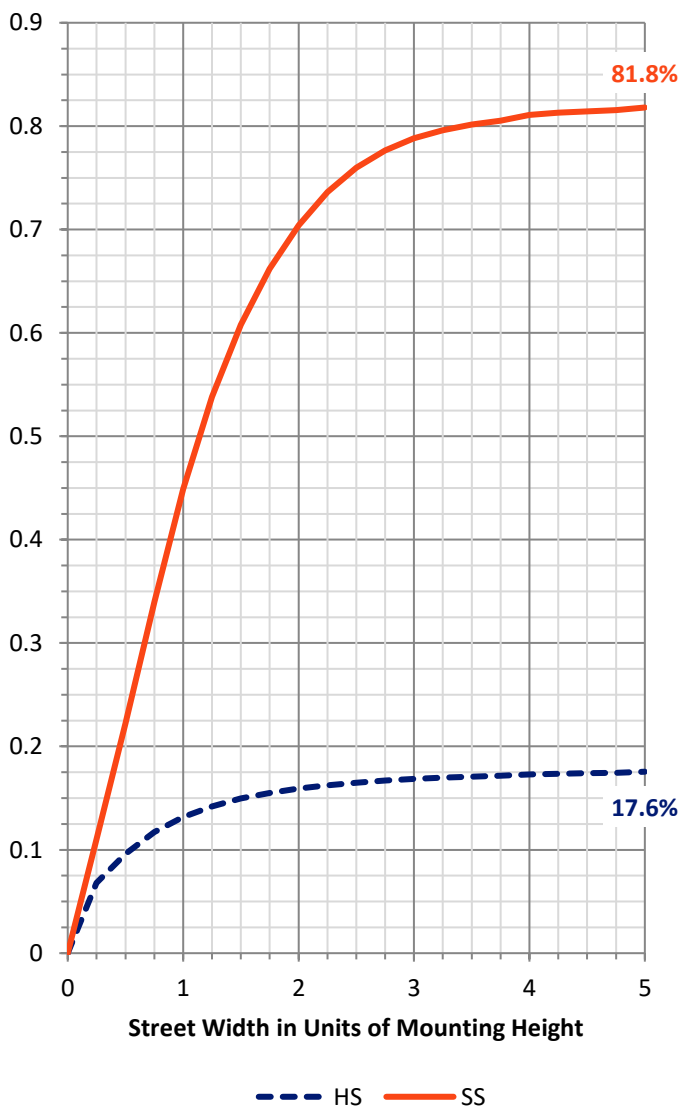
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2067.7	0.0	2067.7
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	9554.3	0.0	9554.3
	% Fixture	82.2	0.0	82.2
Total	Lumens	11622.0	0.0	11622.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	1.5
10°-20°	461.5	4.0
20°-30°	777.6	6.7
30°-40°	1181.0	10.2
40°-50°	1692.0	14.6
50°-60°	2243.3	19.3
60°-70°	2807.3	24.2
70°-80°	2050.0	17.6
80°-90°	236.4	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°	11622.0	100.0
0°-180°	11622.0	100.0



REPORT NUMBER: P672231

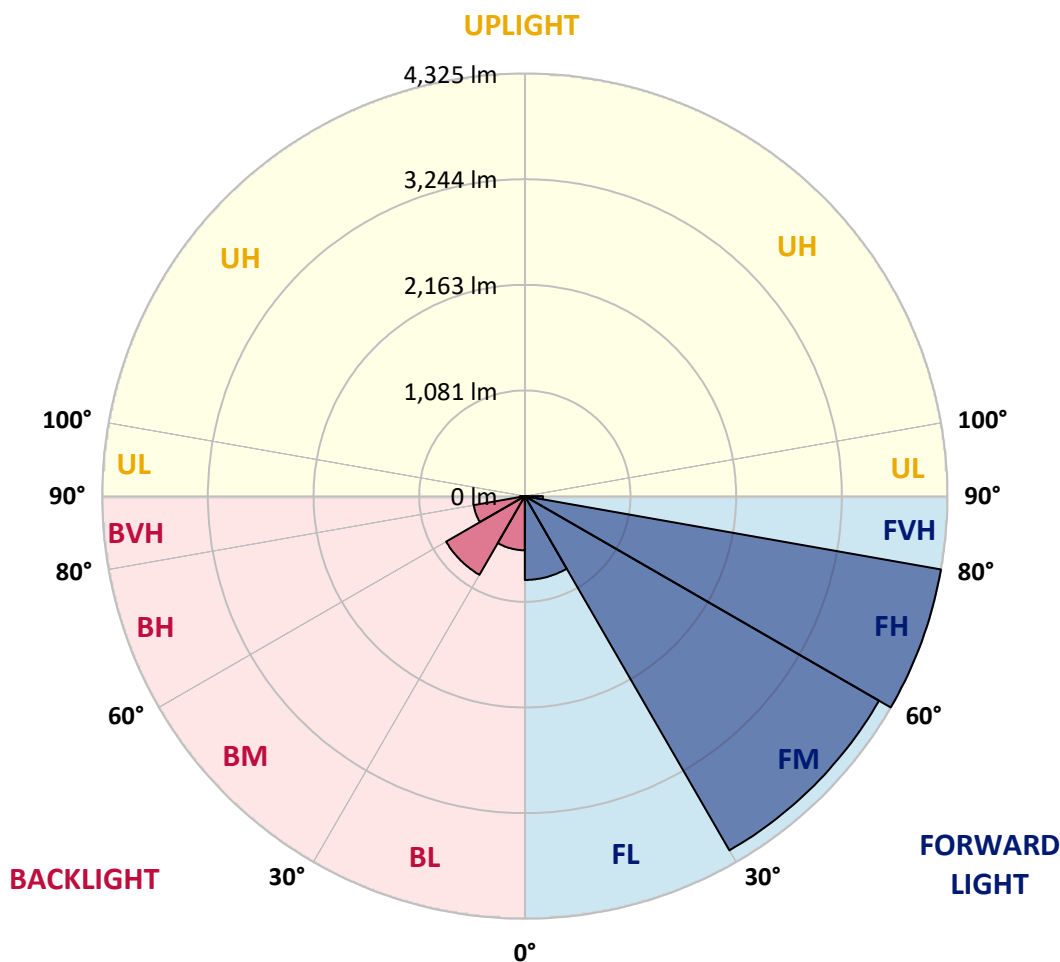
CATALOG NUMBER: CCP-SA-2E-727-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	857.8	7.4			
FM (30°-60°)	4186.7	36.0			
FH (60°-80°)	4325.4	37.2			G2/5000
FVH (80°-90°)	184.5	1.6			G2/225
BL (0°-30°)	554.3	4.8	B2/1000		
BM (30°-60°)	929.6	8.0	B1/1000		
BH (60°-80°)	531.9	4.6	B2/1000		G2/1000
BVH (80°-90°)	51.9	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





REPORT NUMBER: P672231

CATALOG NUMBER: CCP-SA-2E-727-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1
2.5°	1819.8	1829.8	1839.0	1848.2	1855.7	1875.8	1880.0	1901.7	1907.6	1912.6	1919.3
5°	1717.7	1725.3	1734.5	1749.5	1765.4	1801.4	1826.4	1874.1	1900.9	1909.2	1932.7
7.5°	1662.5	1665.0	1677.6	1690.1	1708.5	1743.7	1777.9	1852.4	1905.9	1915.1	1965.3
10°	1622.4	1625.7	1637.4	1655.0	1673.4	1706.0	1748.7	1837.3	1924.3	1938.5	2009.6
12.5°	1608.2	1606.5	1619.9	1631.6	1657.5	1698.5	1742.8	1838.2	1949.4	1969.5	2074.0
15°	1665.0	1654.2	1662.5	1658.4	1666.7	1706.9	1759.5	1856.6	1980.3	2005.4	2140.9
17.5°	1790.5	1781.3	1775.4	1739.5	1716.1	1738.6	1788.8	1882.5	2012.9	2039.7	2201.1
20°	1977.8	1951.9	1930.1	1869.9	1804.7	1797.2	1832.3	1908.4	2043.9	2069.8	2264.7
22.5°	2191.1	2170.2	2135.0	2029.7	1928.5	1878.3	1887.5	1956.1	2089.0	2117.5	2337.4
25°	2460.4	2459.5	2387.6	2245.4	2092.4	1991.2	1972.0	2032.2	2140.1	2167.7	2397.6
27.5°	2767.3	2746.4	2661.1	2477.9	2285.6	2130.9	2085.7	2110.0	2181.0	2209.5	2446.1
30°	3029.9	3032.4	2945.4	2745.5	2491.3	2267.2	2181.9	2166.0	2207.8	2236.2	2491.3
32.5°	3310.9	3296.6	3217.2	3011.5	2713.7	2413.5	2243.8	2206.1	2235.4	2262.2	2554.0
35°	3575.1	3559.2	3490.7	3269.0	2958.8	2574.9	2327.4	2268.8	2300.6	2329.9	2631.0
37.5°	3826.8	3829.4	3751.6	3540.0	3196.3	2765.6	2451.2	2363.3	2397.6	2430.2	2748.0
40°	4046.8	4034.2	3974.0	3783.4	3443.0	2959.6	2590.8	2492.1	2559.0	2589.1	2896.1
42.5°	4117.0	4116.2	4139.6	4022.5	3702.2	3190.4	2764.8	2692.8	2787.3	2832.5	3077.5
45°	4056.0	4074.4	4209.9	4206.5	3961.5	3455.5	3002.3	2937.0	3073.4	3124.4	3299.2
47.5°	3995.8	4023.4	4207.4	4311.9	4194.0	3747.4	3294.1	3245.6	3441.3	3514.9	3529.1
50°	3908.0	3933.9	4153.0	4326.9	4336.1	4042.6	3672.1	3611.1	3862.8	3938.1	3779.2
52.5°	3810.1	3830.2	4056.8	4316.1	4403.9	4273.4	4042.6	4025.0	4314.4	4375.5	4033.4
55°	3269.9	3355.2	3915.5	4292.7	4450.7	4449.9	4403.0	4460.8	4807.0	4898.1	4316.9
57.5°	2959.6	3004.8	3517.4	4279.3	4538.5	4613.0	4775.2	4899.0	5333.0	5415.0	4629.7
60°	2858.4	2898.6	3317.5	4263.4	4713.3	4868.0	5139.0	5339.7	5898.3	5998.7	4979.3
62.5°	2766.4	2814.9	3236.4	4137.1	4924.9	5272.0	5573.0	5816.4	6494.6	6613.4	5327.1
65°	2579.1	2613.4	3087.6	4030.9	5125.6	5848.2	6199.4	6341.6	7072.5	7206.3	5558.0
67.5°	2255.5	2288.1	2752.2	3786.7	5256.1	6447.8	6884.3	6885.1	7519.1	7628.6	5606.5
70°	1875.0	1900.0	2268.8	3254.8	4984.3	6832.5	7502.3	7240.6	7645.3	7693.0	5375.7
72.5°	1340.6	1362.3	1661.7	2406.0	4086.9	6520.5	7642.8	7225.5	7339.3	7324.2	4719.2
75°	826.3	868.1	1017.8	1468.5	2539.8	5130.6	6878.5	6547.3	6162.6	6120.8	3553.4
77.5°	538.6	560.3	688.3	866.4	1120.6	2945.4	5224.3	4909.0	3891.2	3842.7	1910.1
80°	323.6	359.6	450.8	544.4	507.6	1126.5	2983.0	2438.6	1374.9	1359.8	587.1
82.5°	173.9	206.6	317.8	337.0	285.2	398.1	1080.5	792.8	439.9	434.9	219.9
85°	138.0	153.9	228.3	213.3	161.4	201.5	421.5	330.3	225.8	220.8	82.8
87.5°	83.6	105.4	173.1	143.8	80.3	72.8	193.2	156.4	106.2	98.7	32.6
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: P672231
 CATALOG NUMBER: CCP-SA-2E-727-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1
2.5°	1931.8	1936.0	1940.2	1931.8	1935.2	1931.0	1931.0	1931.0	1920.1	1916.8	1926.8
5°	1950.2	1956.1	1959.4	1933.5	1917.6	1894.2	1875.0	1845.7	1829.0	1818.1	1818.1
7.5°	1987.9	1994.5	1979.5	1921.8	1865.8	1803.0	1738.6	1685.1	1646.6	1629.9	1634.9
10°	2043.0	2045.6	1995.4	1889.2	1769.6	1653.3	1562.2	1491.1	1443.4	1419.2	1415.8
12.5°	2107.4	2096.6	1998.7	1817.3	1640.0	1483.6	1372.3	1280.4	1219.3	1195.9	1184.2
15°	2171.0	2145.1	1986.2	1731.1	1492.8	1304.6	1162.4	1075.5	1037.8	1027.0	1022.8
17.5°	2227.9	2179.4	1944.4	1607.3	1322.2	1095.5	991.0	960.1	964.2	974.3	978.5
20°	2279.7	2205.3	1884.2	1460.2	1108.9	932.5	906.5	935.0	958.4	973.4	975.9
22.5°	2336.6	2230.4	1800.5	1281.2	934.1	857.2	888.1	920.8	944.2	959.2	961.7
25°	2380.1	2229.5	1682.6	1068.8	823.7	837.1	873.9	903.2	920.8	931.6	930.8
27.5°	2407.7	2209.5	1527.9	894.0	780.3	822.9	858.0	877.3	887.3	895.7	894.8
30°	2416.0	2171.0	1333.0	765.2	760.2	809.5	836.3	848.0	855.5	863.9	863.9
32.5°	2432.8	2111.6	1118.1	693.3	745.1	796.1	812.0	821.2	815.4	794.5	790.3
35°	2451.2	2045.6	914.9	659.8	730.9	786.9	802.0	777.7	714.2	705.8	702.5
37.5°	2487.1	1984.5	742.6	636.4	727.6	792.0	804.5	707.5	654.0	628.1	623.9
40°	2548.2	1923.5	627.2	619.7	731.8	813.7	771.1	674.0	585.4	536.1	527.7
42.5°	2628.4	1849.0	562.0	611.3	743.5	848.8	759.3	626.4	529.4	495.9	490.9
45°	2721.3	1750.3	531.0	609.7	757.7	866.4	762.7	587.9	504.3	478.4	476.7
47.5°	2817.4	1653.3	517.7	608.0	775.2	858.9	716.7	576.2	494.2	486.7	491.7
50°	2921.1	1542.9	506.8	603.8	789.5	858.9	691.6	573.7	497.6	514.3	531.0
52.5°	3018.2	1450.1	494.2	591.3	795.3	843.8	684.1	582.9	502.6	498.4	503.4
55°	3136.1	1402.5	487.6	573.7	784.4	797.8	674.9	608.0	506.8	472.5	472.5
57.5°	3270.7	1392.4	477.5	550.3	749.3	734.3	674.0	623.0	495.9	464.1	458.3
60°	3433.0	1414.2	465.0	521.0	706.7	684.9	668.2	623.0	478.4	449.9	452.4
62.5°	3564.3	1411.7	457.4	495.1	649.8	633.9	657.3	614.7	471.7	448.2	447.4
65°	3595.2	1358.1	435.7	461.6	579.5	572.0	645.6	593.8	462.5	439.1	432.4
67.5°	3490.7	1236.9	403.1	417.3	505.1	506.0	624.7	566.2	449.9	434.0	423.2
70°	3193.8	1000.2	354.6	363.8	424.8	435.7	593.8	533.6	429.0	412.3	386.4
72.5°	2672.8	719.2	298.6	301.1	337.9	366.3	540.2	489.2	398.1	358.8	331.2
75°	1978.7	477.5	243.4	240.0	253.4	297.7	461.6	439.9	357.9	297.7	283.5
77.5°	1046.2	282.7	187.3	188.2	179.8	228.3	366.3	382.2	317.8	250.9	236.7
80°	357.9	169.8	134.6	140.5	127.1	163.1	271.8	317.8	271.8	209.1	184.8
82.5°	163.9	103.7	96.2	100.4	91.2	110.4	186.5	240.9	216.6	152.2	122.9
85°	82.8	61.9	61.9	67.7	60.2	56.9	102.9	159.7	158.9	104.5	90.3
87.5°	34.3	30.1	28.4	32.6	28.4	21.7	29.3	57.7	83.6	62.7	40.1
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)