

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: P672308

Luminaire Tested: **CCP-SA-2E-830-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672308
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-830-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

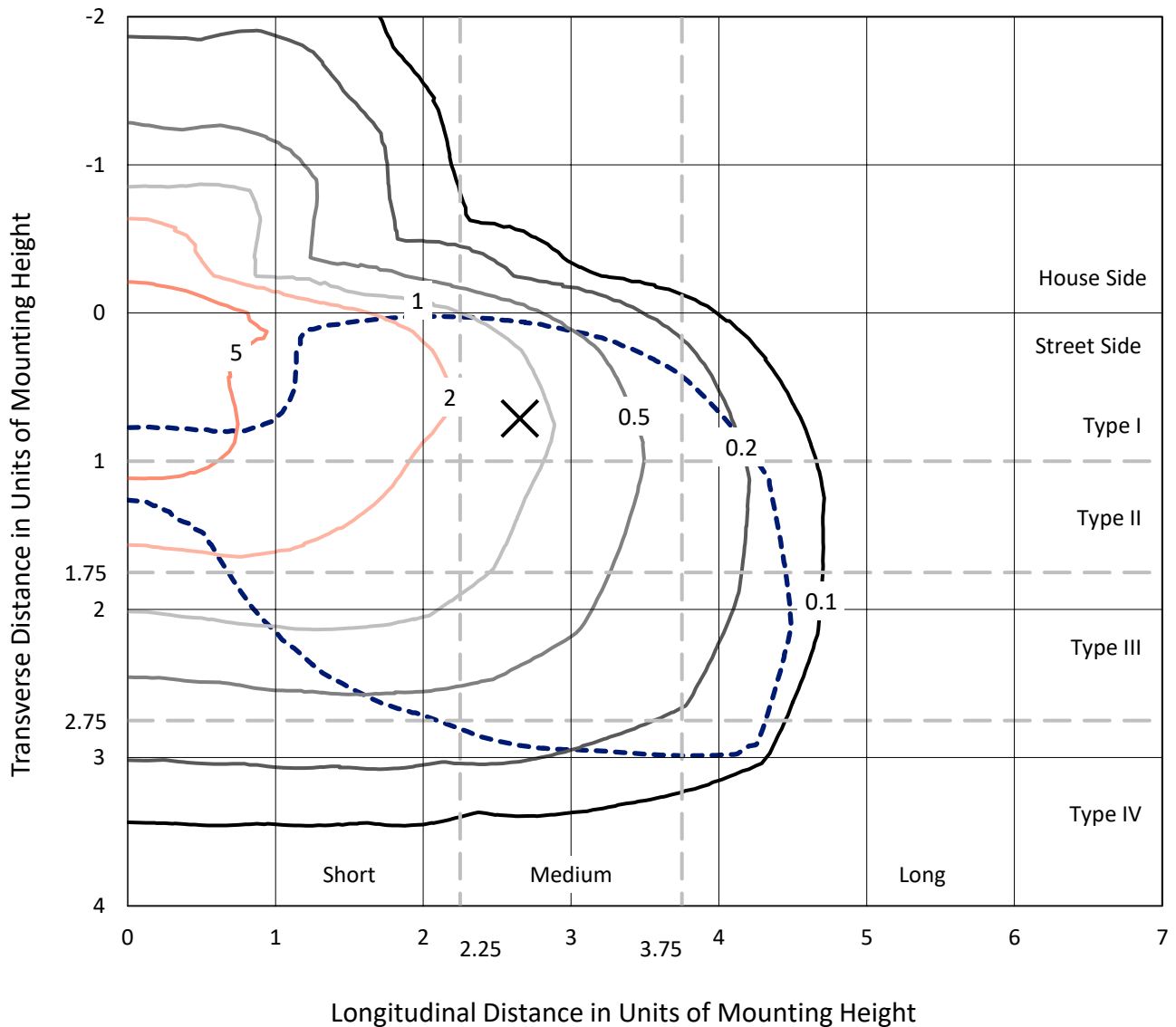
Lumens per Lamp: N/A
Luminaire Lumens: 11042.5 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

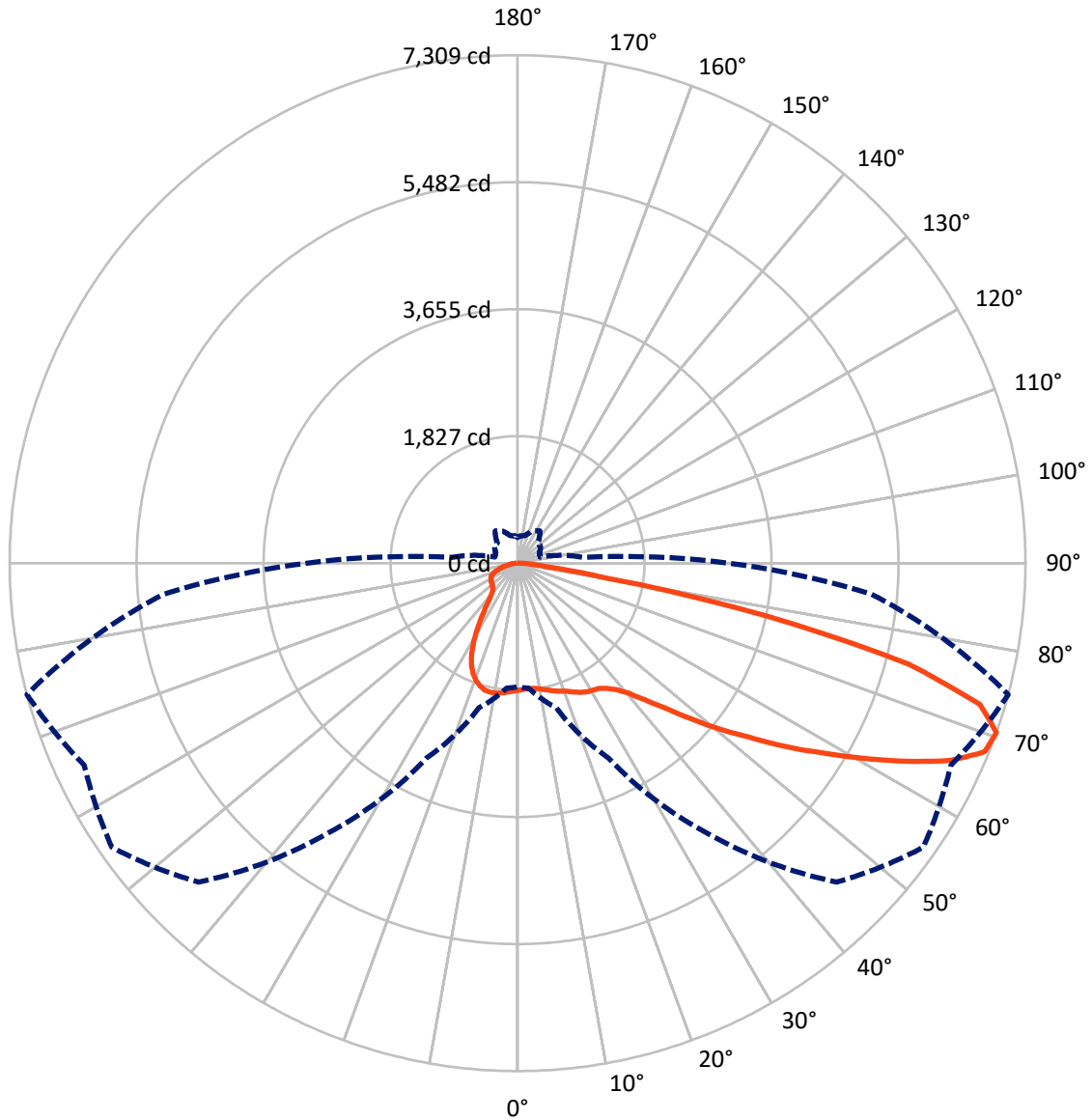
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.4 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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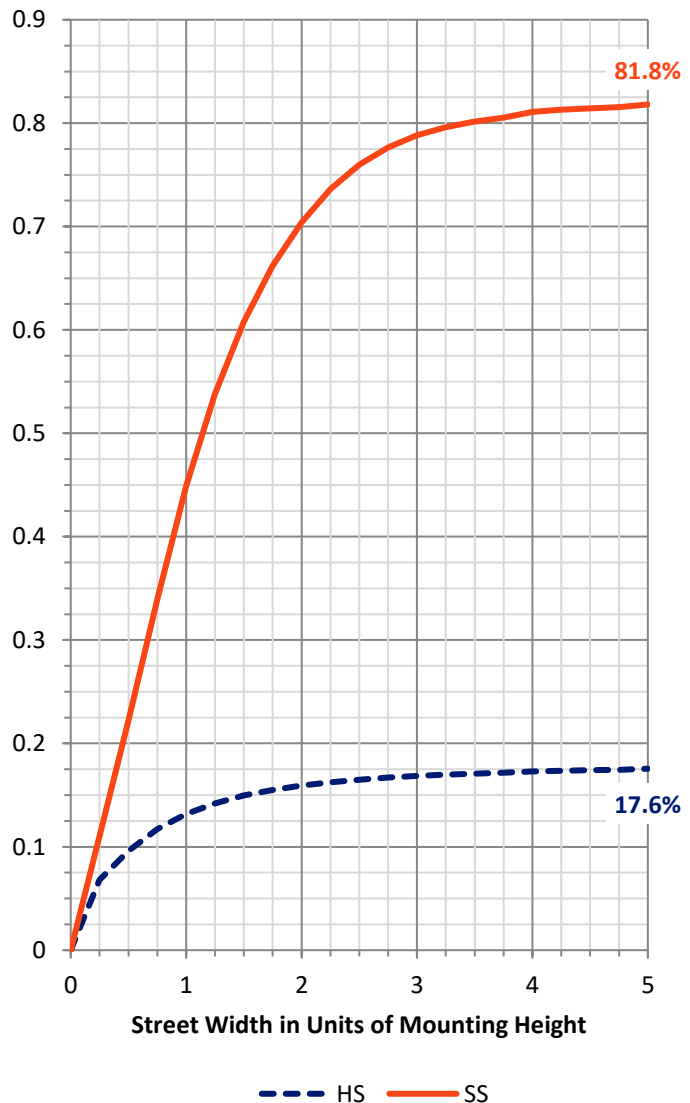
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1964.6	0.0	1964.6
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	9077.9	0.0	9077.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	11042.5	0.0	11042.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.3	1.5
10°-20°	438.5	4.0
20°-30°	738.8	6.7
30°-40°	1122.1	10.2
40°-50°	1607.6	14.6
50°-60°	2131.4	19.3
60°-70°	2667.3	24.2
70°-80°	1947.8	17.6
80°-90°	224.6	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°	11042.5	100.0
0°-180°	11042.5	100.0



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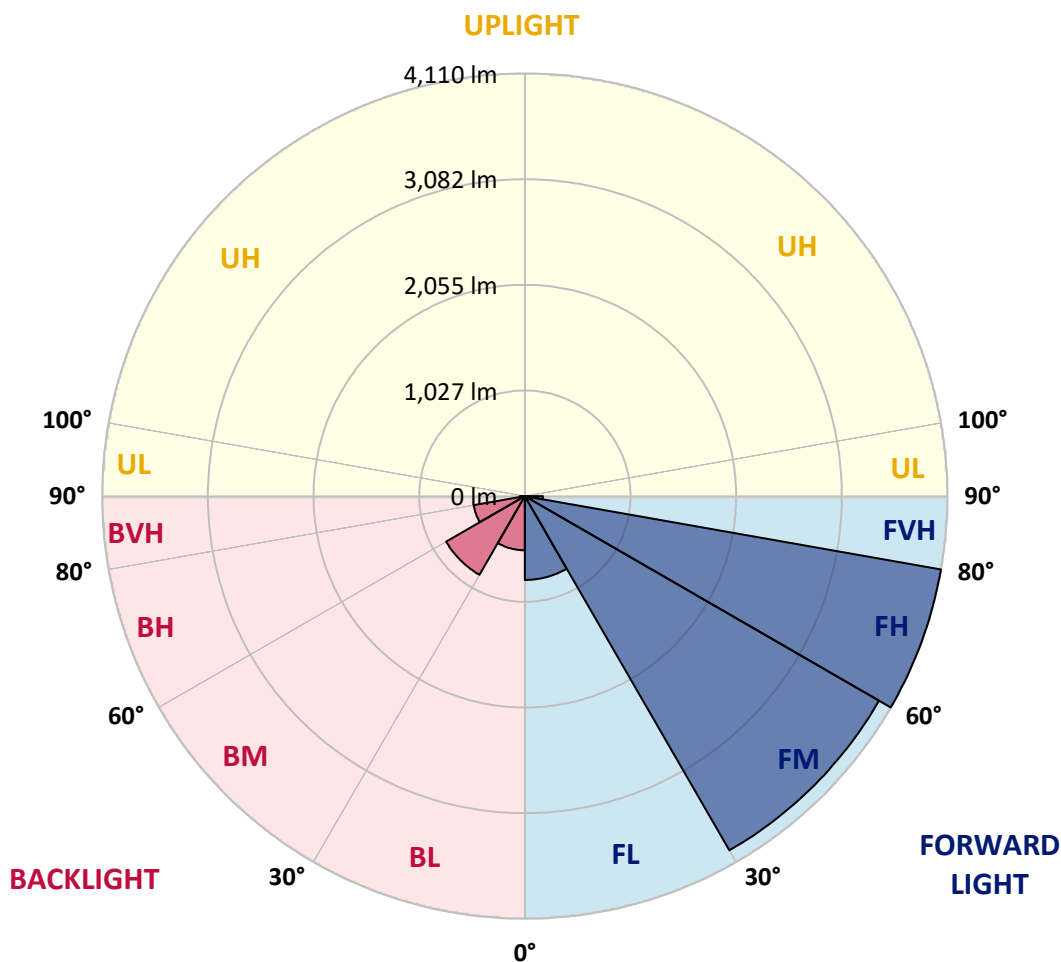
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	815.0	7.4			
FM (30°-60°)	3977.9	36.0			
FH (60°-80°)	4109.7	37.2			G2/5000
FVH (80°-90°)	175.3	1.6			G2/225
BL (0°-30°)	526.6	4.8	B2/1000		
BM (30°-60°)	883.3	8.0	B1/1000		
BH (60°-80°)	505.3	4.6	B2/1000		G2/1000
BVH (80°-90°)	49.3	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°	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1
2.5°	1729.0	1738.6	1747.3	1756.0	1763.2	1782.3	1786.2	1806.9	1812.5	1817.2	1823.6
5°	1632.1	1639.2	1648.0	1662.3	1677.4	1711.5	1735.4	1780.7	1806.1	1814.0	1836.3
7.5°	1579.6	1582.0	1593.9	1605.9	1623.3	1656.7	1689.3	1760.0	1810.9	1819.6	1867.3
10°	1541.5	1544.7	1555.8	1572.5	1590.0	1621.0	1661.5	1745.7	1828.3	1841.9	1909.4
12.5°	1528.0	1526.4	1539.1	1550.2	1574.9	1613.8	1655.9	1746.5	1852.2	1871.3	1970.6
15°	1582.0	1571.7	1579.6	1575.7	1583.6	1621.8	1671.8	1764.0	1881.6	1905.4	2034.1
17.5°	1701.2	1692.5	1686.9	1652.7	1630.5	1651.9	1699.6	1788.6	1912.6	1938.0	2091.4
20°	1879.2	1854.6	1833.9	1776.7	1714.7	1707.6	1740.9	1813.2	1942.0	1966.6	2151.7
22.5°	2081.8	2062.0	2028.6	1928.5	1832.3	1784.6	1793.4	1858.5	1984.9	2011.9	2220.9
25°	2337.7	2336.9	2268.5	2133.5	1988.1	1891.9	1873.6	1930.8	2033.3	2059.6	2278.1
27.5°	2629.3	2609.4	2528.4	2354.4	2171.6	2024.6	1981.7	2004.7	2072.3	2099.3	2324.2
30°	2878.8	2881.2	2798.5	2608.6	2367.1	2154.1	2073.1	2058.0	2097.7	2124.7	2367.1
32.5°	3145.8	3132.3	3056.8	2861.3	2578.4	2293.2	2131.9	2096.1	2123.9	2149.4	2426.7
35°	3396.9	3381.8	3316.6	3106.0	2811.2	2446.5	2211.3	2155.7	2185.9	2213.7	2499.8
37.5°	3636.0	3638.4	3564.5	3363.5	3036.9	2627.7	2328.9	2245.5	2278.1	2309.1	2611.0
40°	3845.0	3833.1	3775.9	3594.7	3271.3	2812.0	2461.6	2367.9	2431.4	2460.0	2751.7
42.5°	3911.8	3911.0	3933.2	3822.0	3517.6	3031.4	2626.9	2558.6	2648.4	2691.3	2924.1
45°	3853.7	3871.2	4000.0	3996.8	3764.0	3283.2	2852.6	2790.6	2920.1	2968.6	3134.6
47.5°	3796.5	3822.8	3997.6	4096.9	3984.9	3560.5	3129.9	3083.8	3269.7	3339.7	3353.2
50°	3713.1	3737.7	3945.9	4111.2	4119.9	3841.0	3489.0	3431.0	3670.2	3741.7	3590.7
52.5°	3620.1	3639.2	3854.5	4100.9	4184.3	4060.3	3841.0	3824.3	4099.3	4157.3	3832.3
55°	3106.8	3187.9	3720.3	4078.6	4228.8	4228.0	4183.5	4238.3	4567.3	4653.9	4101.7
57.5°	2812.0	2855.0	3342.0	4065.9	4312.2	4382.9	4537.1	4654.7	5067.1	5145.0	4398.8
60°	2715.9	2754.0	3152.1	4050.8	4478.3	4625.3	4882.7	5073.4	5604.2	5699.6	4731.0
62.5°	2628.5	2674.6	3075.1	3930.8	4679.3	5009.1	5295.1	5526.4	6170.8	6283.6	5061.5
65°	2450.5	2483.1	2933.6	3829.9	4870.0	5556.5	5890.3	6025.4	6719.8	6847.0	5280.8
67.5°	2143.0	2174.0	2615.0	3597.9	4994.0	6126.3	6541.0	6541.8	7144.1	7248.2	5326.9
70°	1781.5	1805.3	2155.7	3092.5	4735.7	6491.8	7128.2	6879.5	7264.1	7309.4	5107.6
72.5°	1273.7	1294.4	1578.8	2286.0	3883.1	6195.4	7261.7	6865.2	6973.3	6959.0	4483.9
75°	785.1	824.8	967.0	1395.3	2413.2	4874.8	6535.5	6220.8	5855.3	5815.6	3376.2
77.5°	511.7	532.4	653.9	823.2	1064.7	2798.5	4963.8	4664.2	3697.2	3651.1	1814.8
80°	307.5	341.7	428.3	517.3	482.3	1070.3	2834.3	2317.0	1306.3	1292.0	557.8
82.5°	165.3	196.3	301.9	320.2	271.0	378.2	1026.6	753.3	418.0	413.2	209.0
85°	131.1	146.2	216.9	202.6	153.4	191.5	400.5	313.9	214.5	209.8	78.7
87.5°	79.5	100.1	164.5	136.7	76.3	69.1	183.5	148.6	100.9	93.8	31.0
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°	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1	1829.1
2.5°	1835.5	1839.5	1843.4	1835.5	1838.7	1834.7	1834.7	1834.7	1824.4	1821.2	1830.7
5°	1853.0	1858.5	1861.7	1837.1	1822.0	1799.7	1781.5	1753.7	1737.8	1727.4	1727.4
7.5°	1888.7	1895.1	1880.8	1826.0	1772.7	1713.1	1651.9	1601.1	1564.5	1548.7	1553.4
10°	1941.2	1943.6	1895.9	1795.0	1681.3	1570.9	1484.3	1416.7	1371.5	1348.4	1345.2
12.5°	2002.4	1992.0	1899.1	1726.6	1558.2	1409.6	1303.9	1216.5	1158.5	1136.3	1125.1
15°	2062.7	2038.1	1887.1	1644.8	1418.3	1239.6	1104.5	1021.8	986.1	975.8	971.8
17.5°	2116.8	2070.7	1847.4	1527.2	1256.2	1040.9	941.6	912.2	916.2	925.7	929.7
20°	2166.0	2095.3	1790.2	1387.3	1053.6	886.0	861.3	888.3	910.6	924.9	927.3
22.5°	2220.1	2119.2	1710.7	1217.3	887.6	814.5	843.9	874.8	897.1	911.4	913.8
25°	2261.4	2118.4	1598.7	1015.5	782.7	795.4	830.3	858.2	874.8	885.2	884.4
27.5°	2287.6	2099.3	1451.7	849.4	741.3	781.9	815.2	833.5	843.1	851.0	850.2
30°	2295.6	2062.7	1266.6	727.0	722.3	769.2	794.6	805.7	812.9	820.8	820.8
32.5°	2311.5	2006.3	1062.4	658.7	708.0	756.4	771.5	780.3	774.7	754.9	750.9
35°	2328.9	1943.6	869.3	626.9	694.5	747.7	762.0	739.0	678.6	670.6	667.5
37.5°	2363.1	1885.6	705.6	604.7	691.3	752.5	764.4	672.2	621.4	596.7	592.8
40°	2421.1	1827.6	595.9	588.8	695.3	773.1	732.6	640.4	556.2	509.3	501.4
42.5°	2497.4	1756.8	534.0	580.8	706.4	806.5	721.5	595.1	503.0	471.2	466.4
45°	2585.6	1663.1	504.6	579.3	719.9	823.2	724.7	558.6	479.1	454.5	452.9
47.5°	2677.0	1570.9	491.8	577.7	736.6	816.0	681.0	547.5	469.6	462.4	467.2
50°	2775.5	1466.0	481.5	573.7	750.1	816.0	657.1	545.1	472.8	488.7	504.6
52.5°	2867.7	1377.8	469.6	561.8	755.7	801.7	650.0	553.8	477.5	473.6	478.3
55°	2979.7	1332.5	463.2	545.1	745.3	758.0	641.2	577.7	481.5	448.9	448.9
57.5°	3107.6	1323.0	453.7	522.8	712.0	697.6	640.4	592.0	471.2	441.0	435.4
60°	3261.8	1343.6	441.8	495.0	671.4	650.8	634.9	592.0	454.5	427.5	429.9
62.5°	3386.5	1341.3	434.6	470.4	617.4	602.3	624.5	584.0	448.1	425.9	425.1
65°	3415.9	1290.4	414.0	438.6	550.6	543.5	613.4	564.2	439.4	417.2	410.8
67.5°	3316.6	1175.2	383.0	396.5	479.9	480.7	593.6	537.9	427.5	412.4	402.1
70°	3034.5	950.3	336.9	345.6	403.7	414.0	564.2	506.9	407.6	391.7	367.1
72.5°	2539.5	683.3	283.7	286.1	321.0	348.0	513.3	464.8	378.2	340.9	314.7
75°	1880.0	453.7	231.2	228.0	240.8	282.9	438.6	418.0	340.1	282.9	269.4
77.5°	994.0	268.6	178.0	178.8	170.8	216.9	348.0	363.1	301.9	238.4	224.9
80°	340.1	161.3	127.9	133.5	120.8	154.9	258.2	301.9	258.2	198.6	175.6
82.5°	155.7	98.5	91.4	95.4	86.6	104.9	177.2	228.8	205.8	144.6	116.8
85°	78.7	58.8	58.8	64.4	57.2	54.0	97.7	151.8	151.0	99.3	85.8
87.5°	32.6	28.6	27.0	31.0	27.0	20.7	27.8	54.8	79.5	59.6	38.1
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)