

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: P672330

Luminaire Tested: **CCP-SA-2E-840-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672330
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-840-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

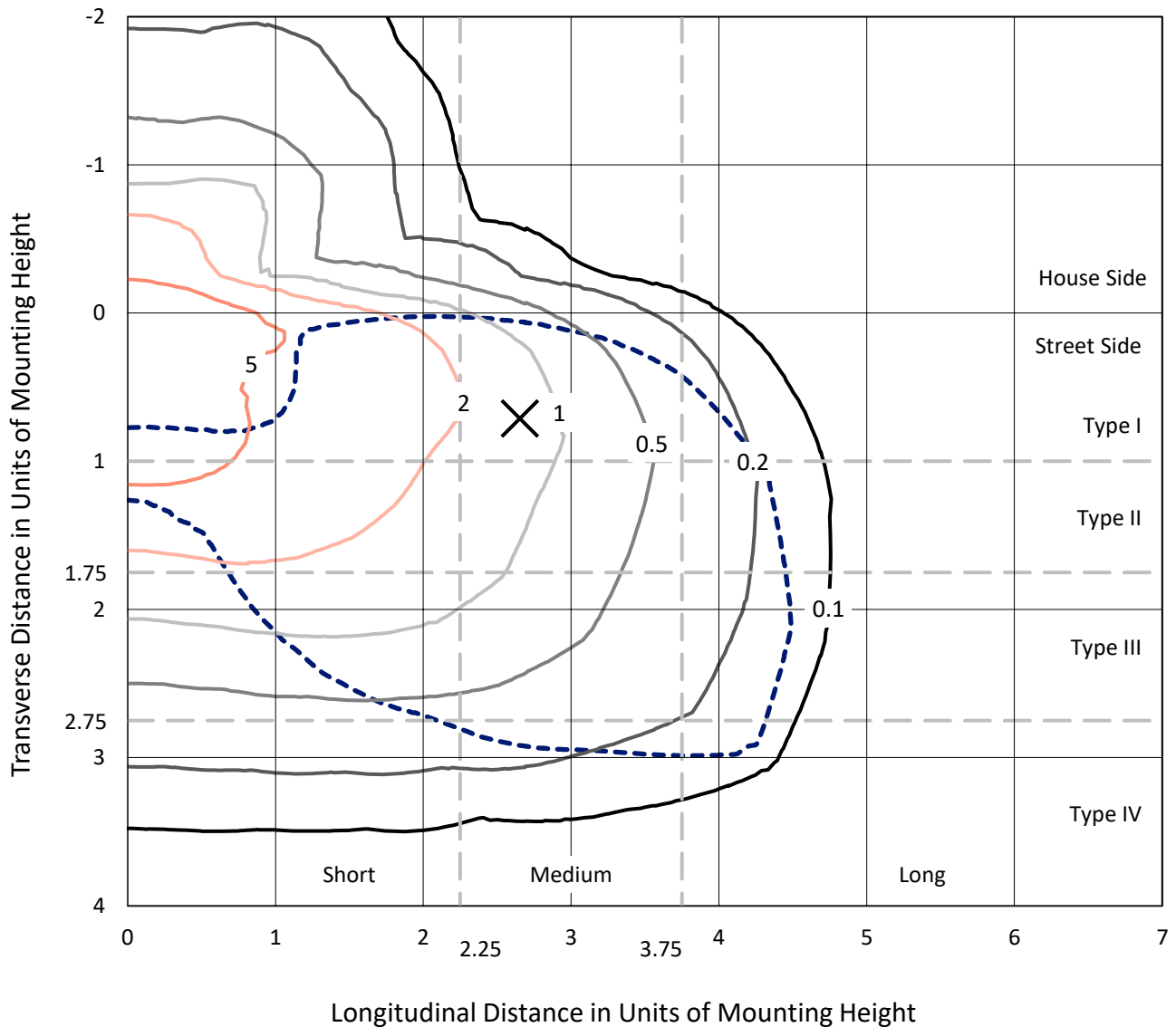
Lumens per Lamp: N/A
Luminaire Lumens: 11848.5 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

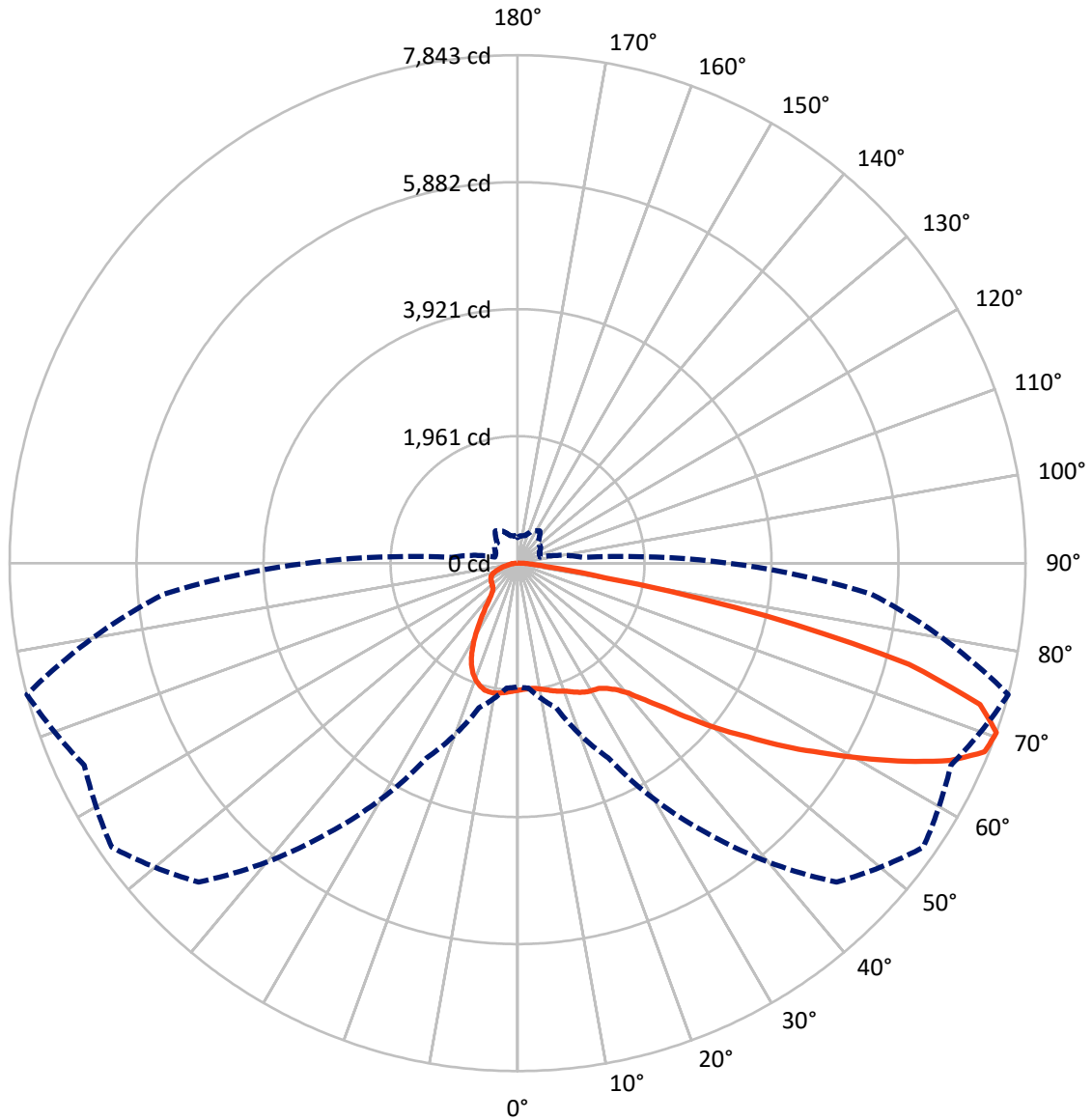
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9 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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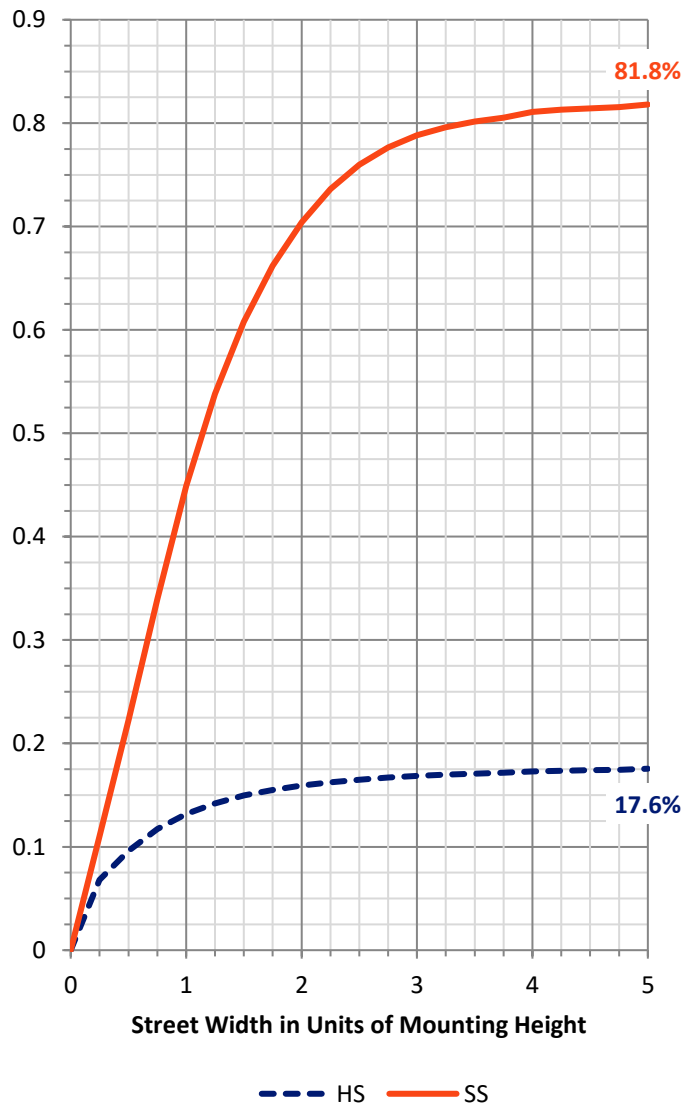
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2108.0	0.0	2108.0
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	9740.5	0.0	9740.5
	% Fixture	82.2	0.0	82.2
Total	Lumens	11848.5	0.0	11848.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	1.5
10°-20°	470.5	4.0
20°-30°	792.8	6.7
30°-40°	1204.1	10.2
40°-50°	1725.0	14.6
50°-60°	2287.0	19.3
60°-70°	2862.0	24.2
70°-80°	2090.0	17.6
80°-90°	241.0	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°	11848.5	100.0
0°-180°	11848.5	100.0



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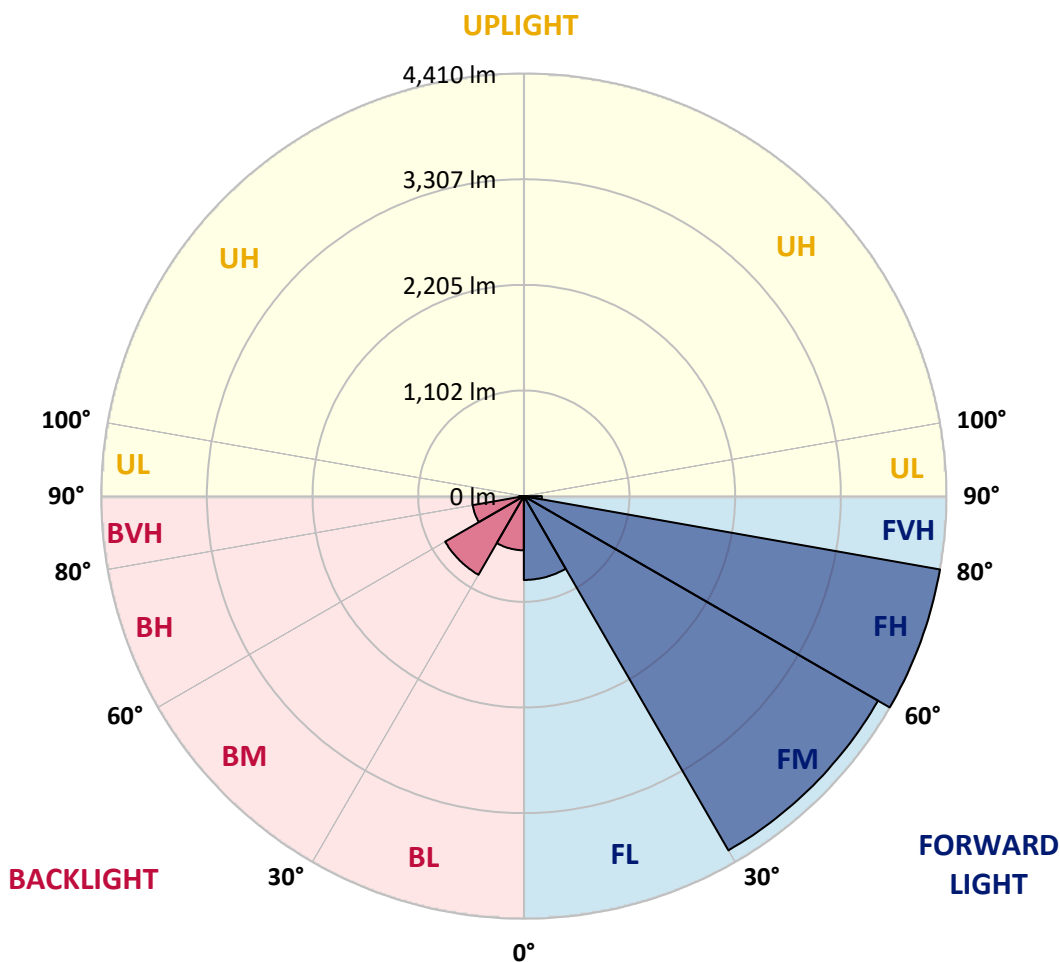
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	874.5	7.4			
FM (30°-60°)	4268.3	36.0			
FH (60°-80°)	4409.7	37.2			G2/5000
FVH (80°-90°)	188.1	1.6			G2/225
BL (0°-30°)	565.1	4.8	B2/1000		
BM (30°-60°)	947.8	8.0	B1/1000		
BH (60°-80°)	542.2	4.6	B2/1000		G2/1000
BVH (80°-90°)	52.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7
2.5°	1855.2	1865.5	1874.8	1884.2	1891.9	1912.4	1916.6	1938.8	1944.7	1949.9	1956.7
5°	1751.2	1758.9	1768.3	1783.6	1799.8	1836.5	1862.0	1910.6	1937.9	1946.5	1970.3
7.5°	1694.9	1697.5	1710.3	1723.1	1741.8	1777.6	1812.6	1888.5	1943.0	1952.4	2003.6
10°	1654.0	1657.4	1669.4	1687.3	1706.0	1739.3	1782.8	1873.1	1961.8	1976.3	2048.8
12.5°	1639.5	1637.8	1651.5	1663.4	1689.8	1731.6	1776.8	1874.0	1987.4	2007.8	2114.4
15°	1697.5	1686.4	1694.9	1690.7	1699.2	1740.1	1793.8	1892.7	2018.9	2044.5	2182.6
17.5°	1825.4	1816.0	1810.0	1773.4	1749.5	1772.5	1823.7	1919.2	2052.2	2079.5	2244.0
20°	2016.4	1989.9	1967.8	1906.4	1839.9	1832.2	1868.0	1945.6	2083.7	2110.2	2308.8
22.5°	2233.8	2212.5	2176.7	2069.2	1966.1	1914.9	1924.3	1994.2	2129.8	2158.7	2383.0
25°	2508.3	2507.5	2434.1	2289.2	2133.2	2030.0	2010.4	2071.8	2181.8	2209.9	2444.4
27.5°	2821.2	2799.9	2712.9	2526.2	2330.1	2172.4	2126.4	2151.1	2223.5	2252.5	2493.8
30°	3088.9	3091.5	3002.8	2799.0	2539.9	2311.4	2224.4	2208.2	2250.8	2279.8	2539.9
32.5°	3375.4	3360.9	3279.9	3070.2	2766.6	2460.6	2287.5	2249.1	2279.0	2306.2	2603.8
35°	3644.8	3628.6	3558.7	3332.8	3016.5	2625.1	2372.7	2313.1	2345.5	2375.3	2682.2
37.5°	3901.4	3904.0	3824.7	3609.0	3258.6	2819.5	2498.9	2409.4	2444.4	2477.6	2801.6
40°	4125.7	4112.9	4051.5	3857.1	3510.1	3017.3	2641.3	2540.7	2608.9	2639.6	2952.5
42.5°	4197.3	4196.4	4220.3	4100.9	3774.4	3252.6	2818.7	2745.3	2841.7	2887.7	3137.5
45°	4135.0	4153.8	4291.9	4288.5	4038.7	3522.9	3060.8	2994.3	3133.3	3185.3	3363.5
47.5°	4073.7	4101.8	4289.4	4395.9	4275.7	3820.4	3358.3	3308.9	3508.4	3583.4	3597.9
50°	3984.1	4010.6	4233.9	4411.3	4420.7	4121.4	3743.7	3681.5	3938.1	4014.8	3852.8
52.5°	3884.4	3904.8	4135.9	4400.2	4489.7	4356.7	4121.4	4103.5	4398.5	4460.7	4112.0
55°	3333.6	3420.6	3991.8	4376.3	4537.5	4536.6	4488.9	4547.7	4900.7	4993.6	4401.1
57.5°	3017.3	3063.3	3586.0	4362.7	4627.0	4702.9	4868.3	4994.5	5436.9	5520.5	4719.9
60°	2914.1	2955.1	3382.2	4346.5	4805.2	4962.9	5239.1	5443.8	6013.3	6115.6	5076.3
62.5°	2820.4	2869.8	3299.5	4217.7	5020.9	5374.7	5681.6	5929.7	6621.2	6742.3	5431.0
65°	2629.4	2664.3	3147.7	4109.5	5225.5	5962.1	6320.2	6465.2	7210.3	7346.7	5666.3
67.5°	2299.4	2332.7	2805.9	3860.5	5358.5	6573.4	7018.5	7019.3	7665.6	7777.3	5715.7
70°	1911.5	1937.1	2313.1	3318.3	5081.4	6965.6	7648.6	7381.7	7794.3	7842.9	5480.4
72.5°	1366.7	1388.9	1694.1	2452.9	4166.6	6647.6	7791.8	7366.3	7482.3	7467.0	4811.1
75°	842.4	885.0	1037.6	1497.1	2589.3	5230.6	7012.5	6674.9	6282.7	6240.1	3622.6
77.5°	549.1	571.2	701.7	883.3	1142.5	3002.8	5326.1	5004.7	3967.1	3917.6	1947.3
80°	330.0	366.6	459.5	555.0	517.5	1148.4	3041.2	2486.1	1401.7	1386.3	598.5
82.5°	177.3	210.6	324.0	343.6	290.7	405.8	1101.5	808.3	448.5	443.3	224.2
85°	140.7	156.9	232.8	217.4	164.5	205.5	429.7	336.8	230.2	225.1	84.4
87.5°	85.3	107.4	176.5	146.6	81.8	74.2	196.9	159.4	108.3	100.6	33.3
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°	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7	1962.7
2.5°	1969.5	1973.7	1978.0	1969.5	1972.9	1968.6	1968.6	1968.6	1957.5	1954.1	1964.4
5°	1988.2	1994.2	1997.6	1971.2	1955.0	1931.1	1911.5	1881.7	1864.6	1853.5	1853.5
7.5°	2026.6	2033.4	2018.1	1959.2	1902.1	1838.2	1772.5	1718.0	1678.7	1661.7	1666.8
10°	2082.9	2085.4	2034.3	1926.0	1804.1	1685.6	1592.6	1520.2	1471.6	1446.8	1443.4
12.5°	2148.5	2137.4	2037.7	1852.7	1671.9	1512.5	1399.1	1305.3	1243.1	1219.2	1207.3
15°	2213.3	2186.9	2024.9	1764.9	1521.9	1330.0	1185.1	1096.4	1058.1	1047.0	1042.7
17.5°	2271.3	2221.8	1982.3	1638.7	1347.9	1116.9	1010.3	978.8	983.0	993.3	997.5
20°	2324.2	2248.3	1920.9	1488.6	1130.5	950.6	924.2	953.2	977.1	992.4	995.0
22.5°	2382.1	2273.8	1835.6	1306.2	952.3	873.9	905.4	938.7	962.6	977.9	980.5
25°	2426.5	2273.0	1715.4	1089.6	839.8	853.4	891.0	920.8	938.7	949.8	948.9
27.5°	2454.6	2252.5	1557.7	911.4	795.5	838.9	874.8	894.4	904.6	913.1	912.3
30°	2463.1	2213.3	1359.0	780.1	775.0	825.3	852.6	864.5	872.2	880.7	880.7
32.5°	2480.2	2152.8	1139.9	706.8	759.7	811.7	827.9	837.2	831.3	810.0	805.7
35°	2498.9	2085.4	932.7	672.7	745.2	802.3	817.6	792.9	728.1	719.6	716.2
37.5°	2535.6	2023.2	757.1	648.8	741.8	807.4	820.2	721.3	666.7	640.3	636.0
40°	2597.8	1960.9	639.4	631.8	746.0	829.6	786.1	687.2	596.8	546.5	538.0
42.5°	2679.7	1885.1	572.9	623.2	757.9	865.4	774.1	638.6	539.7	505.6	500.5
45°	2774.3	1784.5	541.4	621.5	772.4	883.3	777.6	599.4	514.1	487.7	486.0
47.5°	2872.4	1685.6	527.8	619.8	790.3	875.6	730.7	587.4	503.9	496.2	501.3
50°	2978.1	1573.0	516.7	615.6	804.8	875.6	705.1	584.9	507.3	524.3	541.4
52.5°	3077.0	1478.4	503.9	602.8	810.8	860.3	697.4	594.3	512.4	508.1	513.3
55°	3197.2	1429.8	497.1	584.9	799.7	813.4	688.0	619.8	516.7	481.7	481.7
57.5°	3334.5	1419.6	486.8	561.0	763.9	748.6	687.2	635.2	505.6	473.2	467.2
60°	3499.9	1441.7	474.0	531.2	720.4	698.3	681.2	635.2	487.7	458.7	461.2
62.5°	3633.7	1439.2	466.4	504.7	662.5	646.3	670.1	626.7	480.9	457.0	456.1
65°	3665.3	1384.6	444.2	470.6	590.8	583.2	658.2	605.3	471.5	447.6	440.8
67.5°	3558.7	1261.0	410.9	425.4	515.0	515.8	636.9	577.2	458.7	442.5	431.4
70°	3256.0	1019.7	361.5	370.9	433.1	444.2	605.3	544.0	437.4	420.3	393.9
72.5°	2724.9	733.2	304.4	306.9	344.4	373.4	550.8	498.8	405.8	365.8	337.6
75°	2017.2	486.8	248.1	244.7	258.3	303.5	470.6	448.5	364.9	303.5	289.0
77.5°	1066.6	288.2	191.0	191.8	183.3	232.8	373.4	389.6	324.0	255.8	241.3
80°	364.9	173.1	137.3	143.2	129.6	166.3	277.1	324.0	277.1	213.1	188.4
82.5°	167.1	105.7	98.0	102.3	92.9	112.5	190.1	245.5	220.8	155.2	125.3
85°	84.4	63.1	63.1	69.1	61.4	58.0	104.9	162.8	162.0	106.6	92.1
87.5°	35.0	30.7	29.0	33.3	29.0	22.2	29.8	58.8	85.3	63.9	40.9
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)