

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: P672253

Luminaire Tested: **CCP-SA-2E-735-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672253  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-735-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

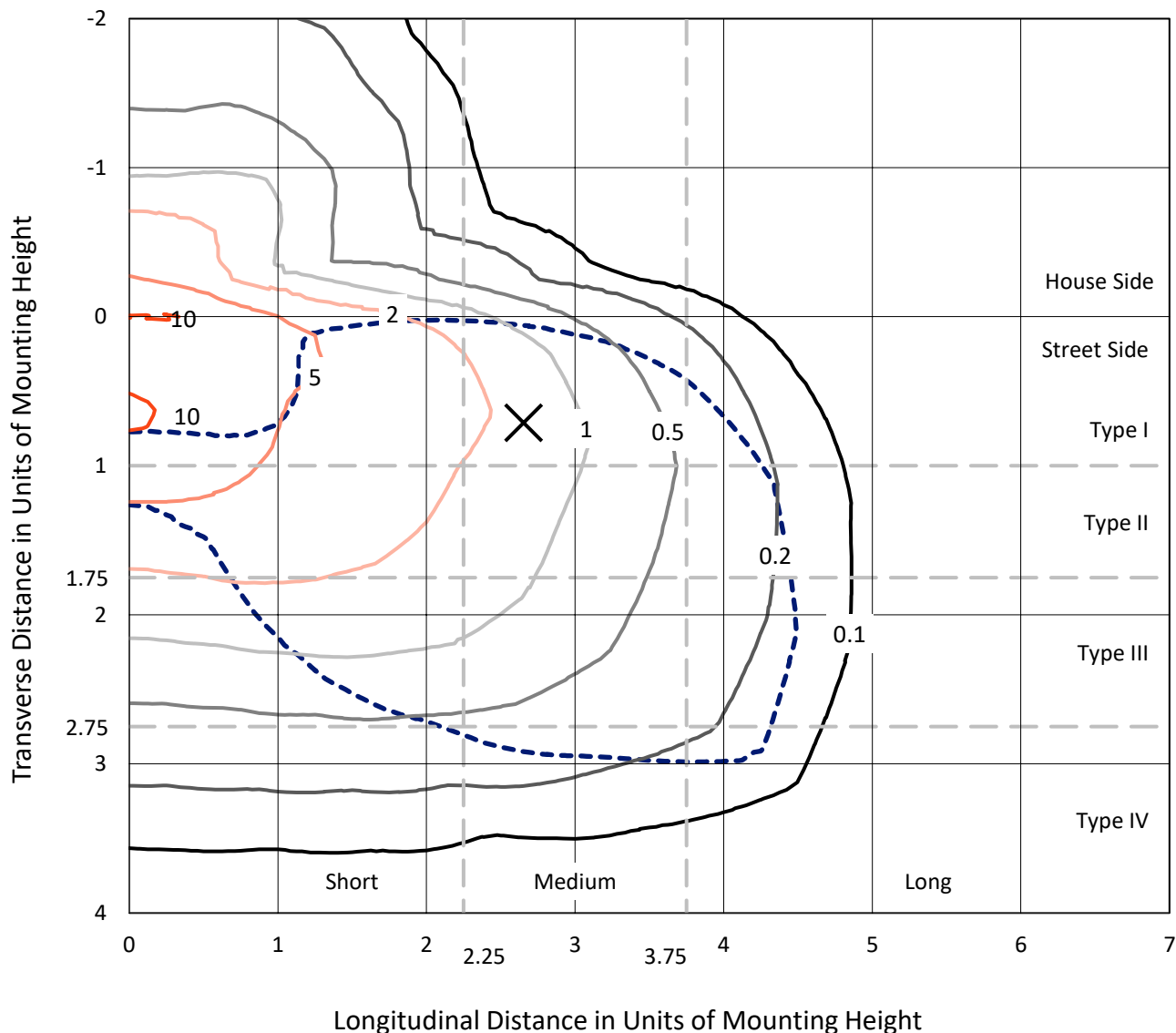
Lumens per Lamp: N/A  
Luminaire Lumens: 13706.6 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

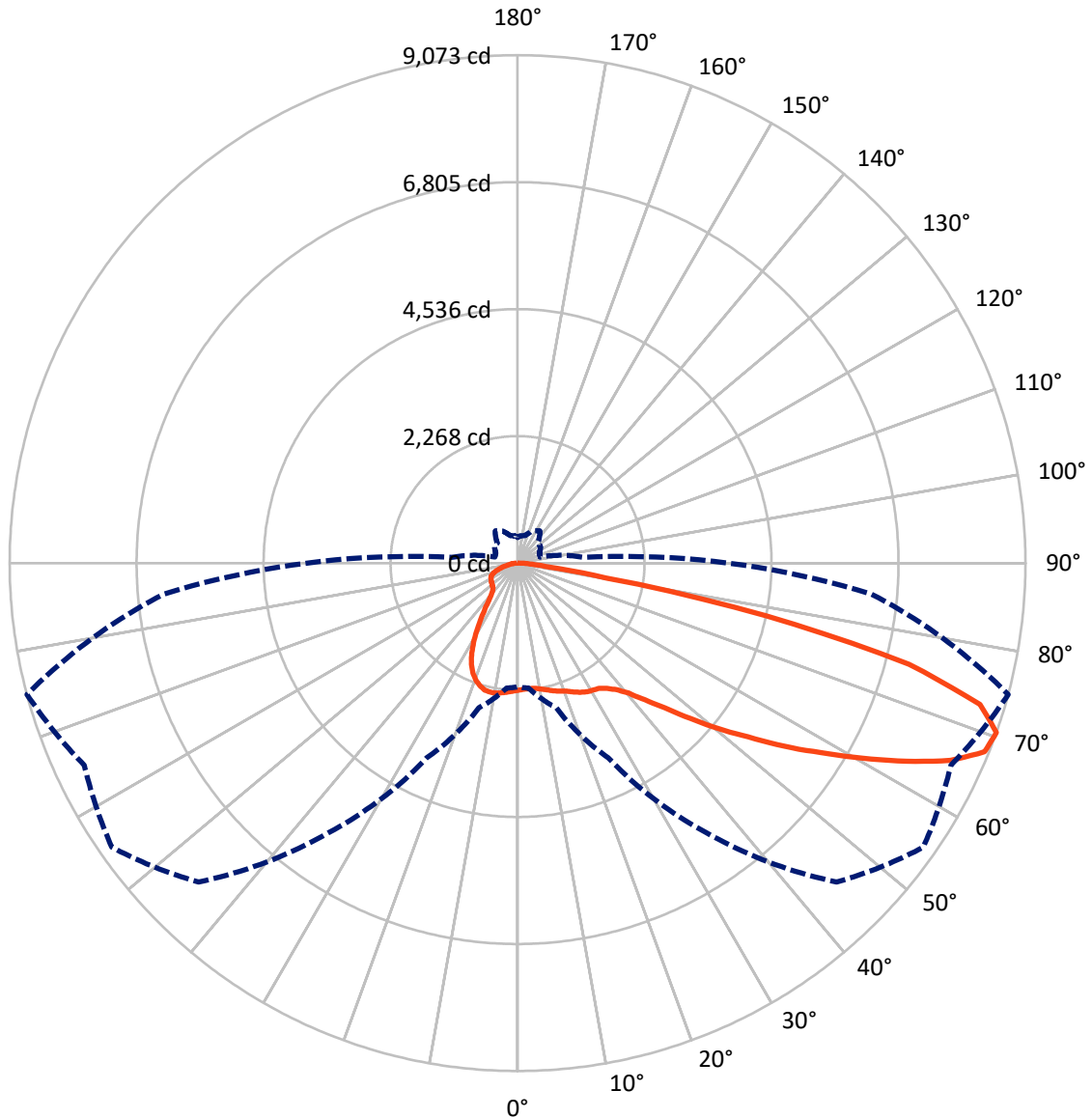
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.4 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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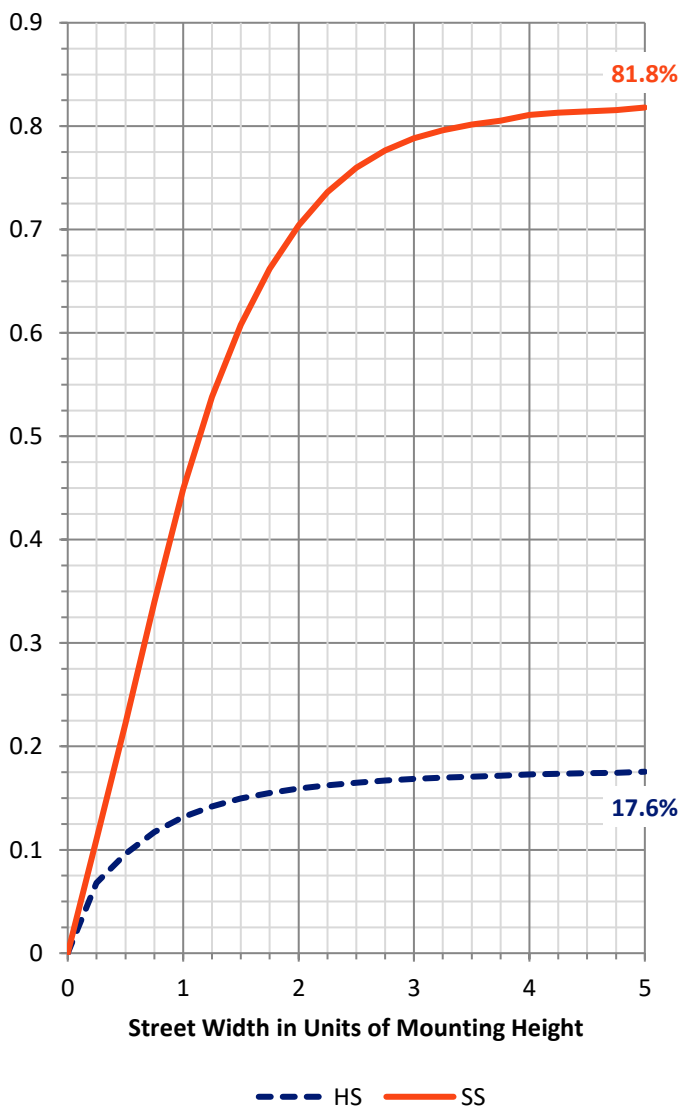
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2438.6	0.0	2438.6
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	11268.0	0.0	11268.0
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	13706.6	0.0	13706.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.9	1.5
10°-20°	544.3	4.0
20°-30°	917.1	6.7
30°-40°	1392.9	10.2
40°-50°	1995.5	14.6
50°-60°	2645.6	19.3
60°-70°	3310.8	24.2
70°-80°	2417.7	17.6
80°-90°	278.8	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°	13706.6	100.0
0°-180°	13706.6	100.0



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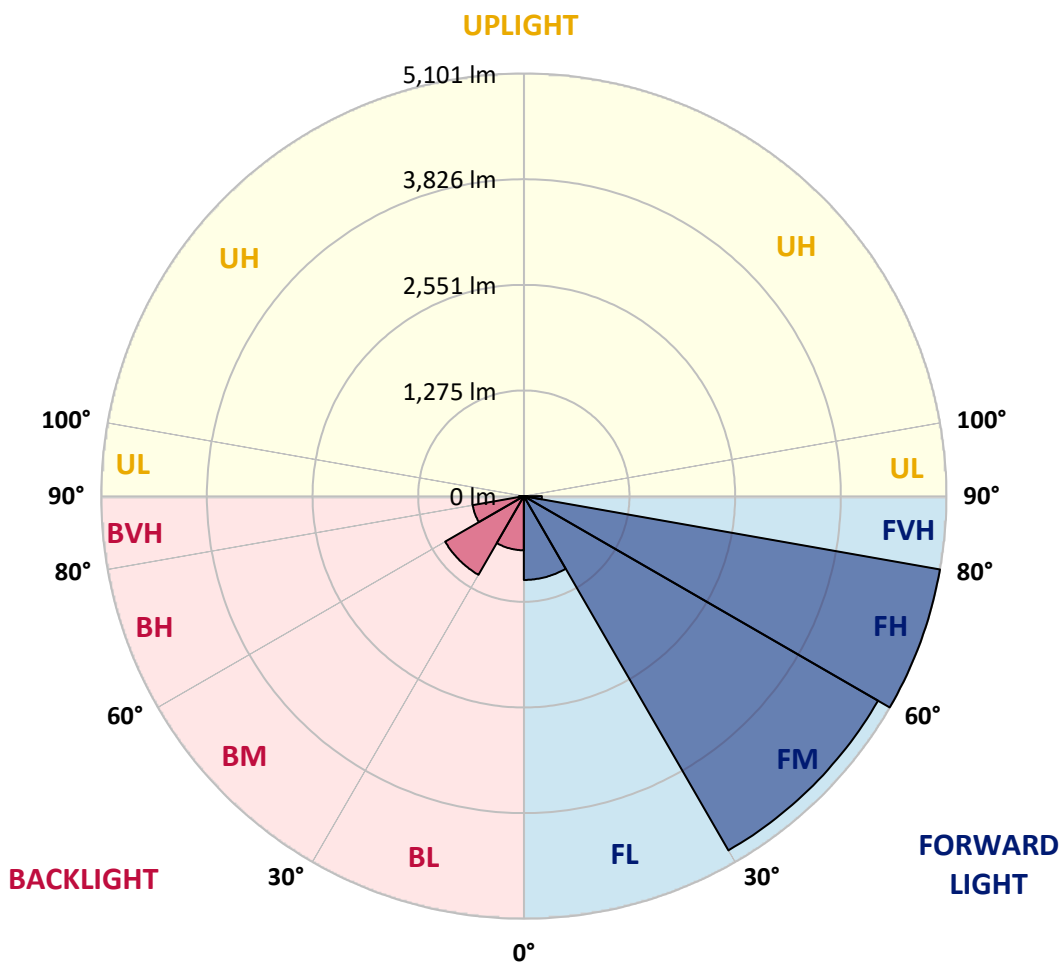
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1011.6	7.4			
FM (30°-60°)	4937.6	36.0			
FH (60°-80°)	5101.2	37.2			G3/7500
FVH (80°-90°)	217.6	1.6			G2/225
BL (0°-30°)	653.7	4.8	B2/1000		
BM (30°-60°)	1096.4	8.0	B2/2500		
BH (60°-80°)	627.3	4.6	B2/1000		G2/1000
BVH (80°-90°)	61.2	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-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4
2.5°	2146.2	2158.0	2168.8	2179.7	2188.6	2212.2	2217.2	2242.8	2249.7	2255.6	2263.5
5°	2025.8	2034.7	2045.6	2063.3	2082.0	2124.5	2154.0	2210.3	2241.8	2251.7	2279.3
7.5°	1960.7	1963.7	1978.5	1993.3	2015.0	2056.4	2096.8	2184.6	2247.7	2258.6	2317.8
10°	1913.4	1917.3	1931.1	1951.9	1973.6	2012.0	2062.3	2166.9	2269.4	2286.2	2370.0
12.5°	1896.6	1894.7	1910.4	1924.2	1954.8	2003.1	2055.4	2167.9	2299.0	2322.7	2446.0
15°	1963.7	1950.9	1960.7	1955.8	1965.7	2013.0	2075.1	2189.6	2335.5	2365.1	2524.9
17.5°	2111.6	2100.8	2093.9	2051.5	2023.9	2050.5	2109.7	2220.1	2374.0	2405.5	2595.9
20°	2332.6	2302.0	2276.3	2205.3	2128.4	2119.5	2160.9	2250.7	2410.5	2441.1	2670.9
22.5°	2584.1	2559.4	2518.0	2393.7	2274.4	2215.2	2226.0	2306.9	2463.7	2497.3	2756.7
25°	2901.6	2900.7	2815.8	2648.2	2467.7	2348.3	2325.7	2396.7	2523.9	2556.4	2827.7
27.5°	3263.6	3239.0	3138.4	2922.4	2695.5	2513.1	2459.8	2488.4	2572.2	2605.8	2884.9
30°	3573.3	3576.3	3473.7	3238.0	2938.1	2673.8	2573.2	2554.5	2603.8	2637.3	2938.1
32.5°	3904.7	3887.9	3794.2	3551.6	3200.5	2846.4	2646.2	2601.8	2636.3	2667.9	3012.1
35°	4216.4	4197.6	4116.8	3855.4	3489.5	3036.8	2744.8	2675.8	2713.3	2747.8	3102.9
37.5°	4513.2	4516.2	4424.5	4174.9	3769.6	3261.6	2890.8	2787.2	2827.7	2866.1	3240.9
40°	4772.6	4757.8	4686.8	4461.9	4060.5	3490.5	3055.5	2939.1	3018.0	3053.5	3415.5
42.5°	4855.5	4854.5	4882.1	4744.0	4366.3	3762.7	3260.7	3175.8	3287.3	3340.5	3629.5
45°	4783.5	4805.2	4965.0	4961.0	4672.0	4075.3	3540.8	3463.8	3624.6	3684.8	3890.9
47.5°	4712.5	4745.0	4962.0	5085.3	4946.2	4419.5	3885.0	3827.8	4058.6	4145.4	4162.1
50°	4608.9	4639.5	4897.9	5103.0	5113.9	4767.7	4330.8	4258.8	4555.6	4644.4	4457.0
52.5°	4493.5	4517.2	4784.5	5090.2	5193.8	5039.9	4767.7	4747.0	5088.2	5160.2	4756.8
55°	3856.4	3957.0	4617.8	5062.6	5249.0	5248.0	5192.8	5260.8	5669.2	5776.7	5091.2
57.5°	3490.5	3543.7	4148.3	5046.8	5352.6	5440.3	5631.7	5777.7	6289.5	6386.2	5460.1
60°	3371.1	3418.5	3912.6	5028.1	5558.7	5741.2	6060.7	6297.4	6956.3	7074.6	5872.3
62.5°	3262.6	3319.8	3816.9	4879.1	5808.2	6217.5	6572.6	6859.6	7659.5	7799.5	6282.6
65°	3041.7	3082.1	3641.4	4753.9	6044.9	6897.1	7311.3	7479.0	8341.0	8498.8	6554.8
67.5°	2660.0	2698.5	3245.9	4465.9	6198.8	7604.3	8119.1	8120.1	8867.7	8996.9	6612.0
70°	2211.2	2240.8	2675.8	3838.6	5878.3	8057.9	8848.0	8539.2	9016.6	9072.8	6339.8
72.5°	1581.0	1606.7	1959.7	2837.5	4820.0	7690.1	9013.7	8521.5	8655.6	8637.9	5565.6
75°	974.4	1023.8	1200.3	1731.9	2995.3	6050.9	8112.2	7721.6	7267.9	7218.6	4190.7
77.5°	635.2	660.8	811.7	1021.8	1321.6	3473.7	6161.3	5789.5	4589.2	4532.0	2252.7
80°	381.7	424.1	531.6	642.1	598.7	1328.5	3518.1	2876.0	1621.5	1603.7	692.4
82.5°	205.1	243.6	374.8	397.5	336.3	469.5	1274.3	935.0	518.8	512.9	259.4
85°	162.7	181.5	269.3	251.5	190.4	237.7	497.1	389.6	266.3	260.4	97.6
87.5°	98.6	124.3	204.2	169.6	94.7	85.8	227.8	184.4	125.3	116.4	38.5
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°	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4	2270.4
2.5°	2278.3	2283.2	2288.2	2278.3	2282.3	2277.3	2277.3	2277.3	2264.5	2260.6	2272.4
5°	2300.0	2306.9	2310.9	2280.3	2261.5	2233.9	2211.2	2176.7	2157.0	2144.2	2144.2
7.5°	2344.4	2352.3	2334.5	2266.5	2200.4	2126.4	2050.5	1987.4	1942.0	1922.3	1928.2
10°	2409.5	2412.5	2353.3	2228.0	2087.0	1949.9	1842.4	1758.5	1702.3	1673.7	1669.8
12.5°	2485.4	2472.6	2357.2	2143.2	1934.1	1749.7	1618.5	1510.0	1438.0	1410.4	1396.6
15°	2560.4	2529.8	2342.4	2041.6	1760.5	1538.6	1370.9	1268.4	1224.0	1211.2	1206.2
17.5°	2627.5	2570.3	2293.1	1895.6	1559.3	1292.0	1168.7	1132.3	1137.2	1149.0	1154.0
20°	2688.6	2600.8	2222.1	1722.1	1307.8	1099.7	1069.1	1102.7	1130.3	1148.0	1151.0
22.5°	2755.7	2630.4	2123.5	1511.0	1101.7	1010.9	1047.4	1085.9	1113.5	1131.3	1134.2
25°	2807.0	2629.4	1984.4	1260.5	971.5	987.3	1030.7	1065.2	1085.9	1098.7	1097.7
27.5°	2839.5	2605.8	1801.9	1054.3	920.2	970.5	1011.9	1034.6	1046.4	1056.3	1055.3
30°	2849.4	2560.4	1572.1	902.5	896.5	954.7	986.3	1000.1	1009.0	1018.8	1018.8
32.5°	2869.1	2490.4	1318.7	817.6	878.8	938.9	957.7	968.5	961.6	937.0	932.0
35°	2890.8	2412.5	1079.0	778.2	862.0	928.1	945.8	917.2	842.3	832.4	828.5
37.5°	2933.2	2340.5	875.8	750.6	858.1	934.0	948.8	834.4	771.3	740.7	735.8
40°	3005.2	2268.5	739.7	730.8	863.0	959.7	909.4	794.9	690.4	632.2	622.3
42.5°	3099.9	2180.7	662.8	721.0	876.8	1001.1	895.5	738.7	624.3	584.9	578.9
45°	3209.4	2064.3	626.3	719.0	893.6	1021.8	899.5	693.4	594.7	564.2	562.2
47.5°	3322.8	1949.9	610.5	717.0	914.3	1012.9	845.2	679.5	582.9	574.0	579.9
50°	3445.1	1819.7	597.7	712.1	931.1	1012.9	815.7	676.6	586.8	606.6	626.3
52.5°	3559.5	1710.2	582.9	697.3	938.0	995.2	806.8	687.4	592.8	587.8	593.7
55°	3698.6	1654.0	575.0	676.6	925.1	940.9	795.9	717.0	597.7	557.3	557.3
57.5°	3857.4	1642.2	563.2	649.0	883.7	866.0	794.9	734.8	584.9	547.4	540.5
60°	4048.7	1667.8	548.4	614.5	833.4	807.8	788.0	734.8	564.2	530.6	533.6
62.5°	4203.5	1664.8	539.5	583.9	766.3	747.6	775.2	724.9	556.3	528.6	527.7
65°	4240.0	1601.7	513.9	544.4	683.5	674.6	761.4	700.3	545.4	517.8	509.9
67.5°	4116.8	1458.7	475.4	492.2	595.7	596.7	736.8	667.7	530.6	511.9	499.1
70°	3766.6	1179.6	418.2	429.0	501.0	513.9	700.3	629.2	506.0	486.2	455.7
72.5°	3152.2	848.2	352.1	355.1	398.5	432.0	637.1	577.0	469.5	423.1	390.6
75°	2333.5	563.2	287.0	283.1	298.8	351.1	544.4	518.8	422.1	351.1	334.4
77.5°	1233.8	333.4	220.9	221.9	212.1	269.3	432.0	450.7	374.8	295.9	279.1
80°	422.1	200.2	158.8	165.7	149.9	192.3	320.5	374.8	320.5	246.6	218.0
82.5°	193.3	122.3	113.4	118.4	107.5	130.2	219.9	284.0	255.4	179.5	145.0
85°	97.6	73.0	73.0	79.9	71.0	67.1	121.3	188.4	187.4	123.3	106.5
87.5°	40.4	35.5	33.5	38.5	33.5	25.6	34.5	68.1	98.6	74.0	47.3
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)