

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: P672131

Luminaire Tested: **CCP-SA-2E-750-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672131  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-750-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

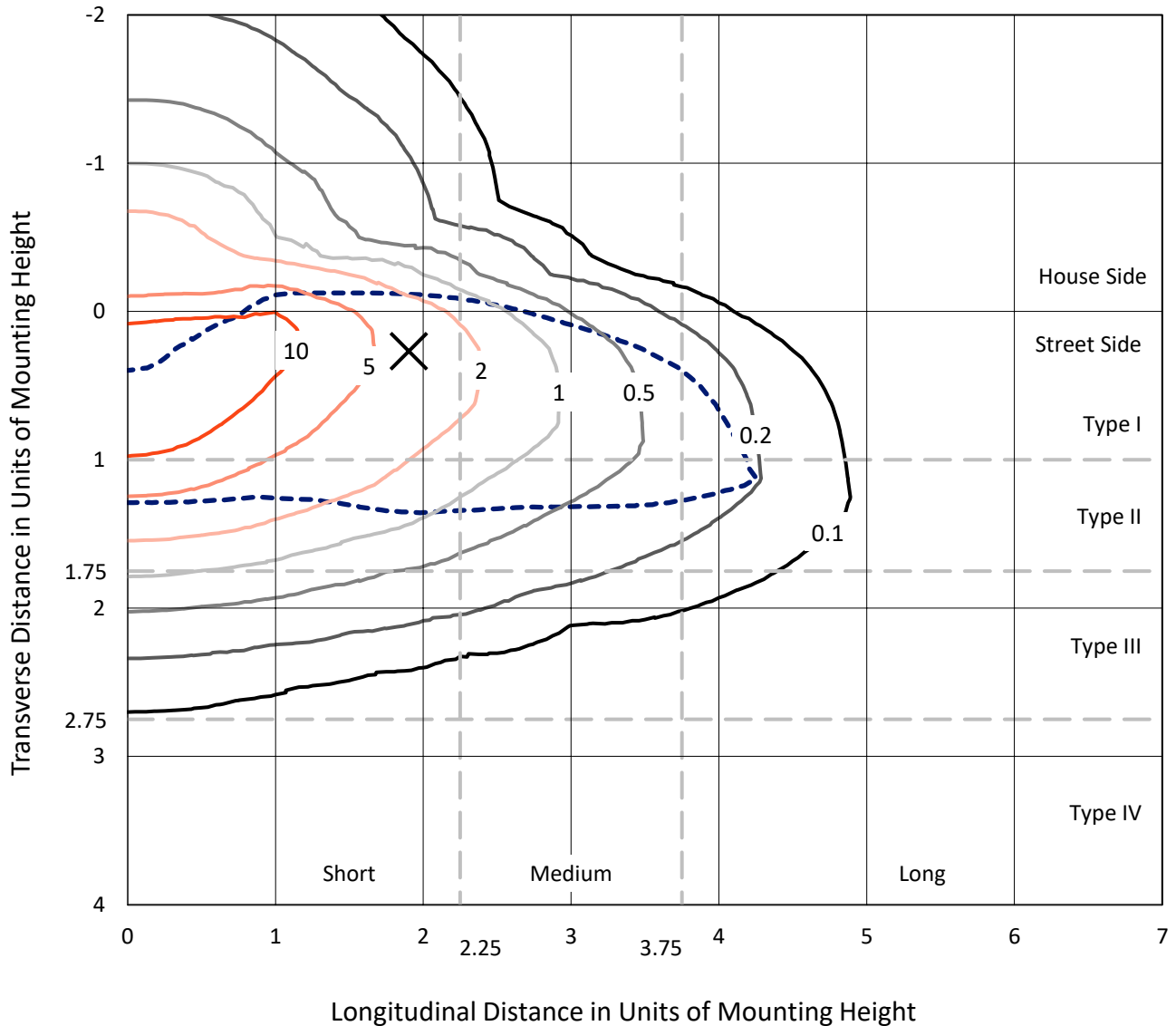
Lumens per Lamp: N/A  
Luminaire Lumens: 14206.6 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

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

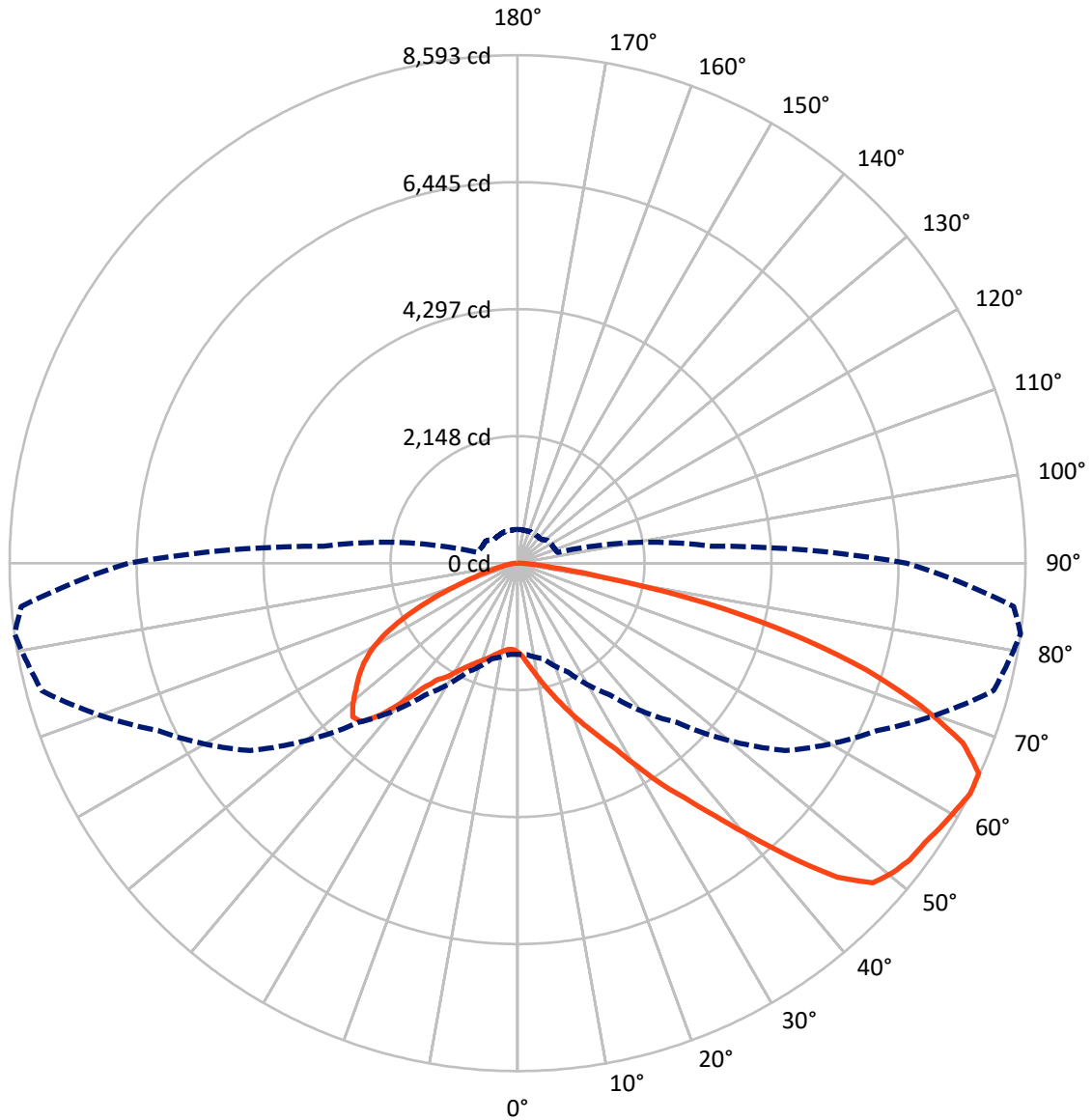
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 16.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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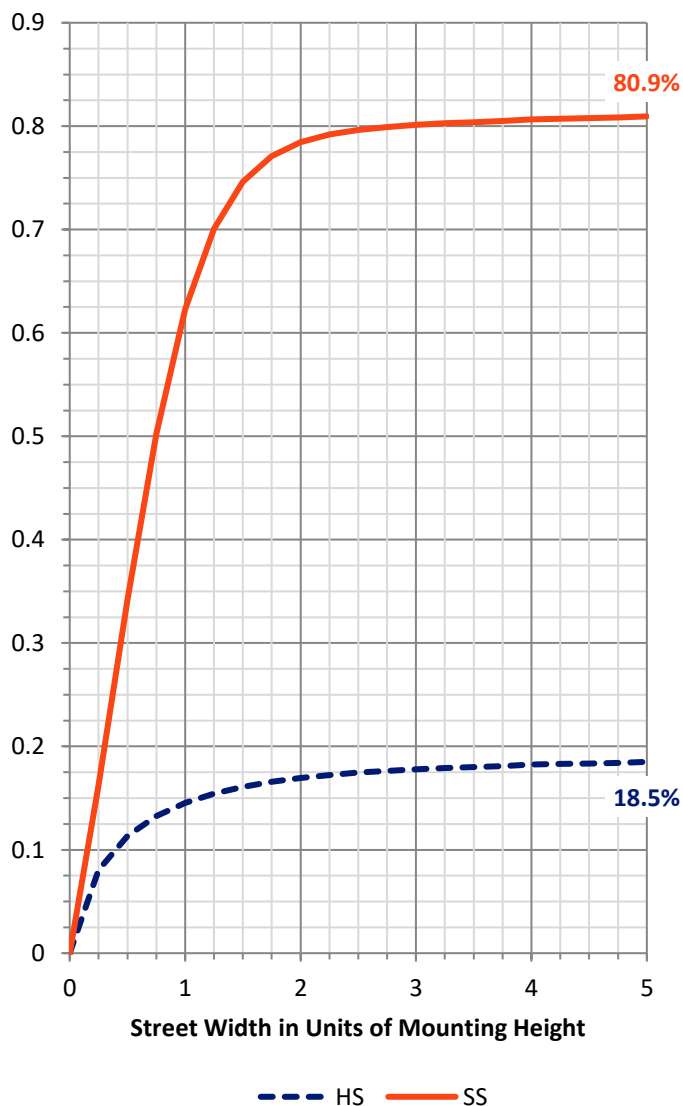
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2676.5	0.0	2676.5
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	11530.2	0.0	11530.2
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	14206.6	0.0	14206.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.2	1.2
10°-20°	630.6	4.4
20°-30°	1305.9	9.2
30°-40°	2216.4	15.6
40°-50°	3018.2	21.2
50°-60°	3055.1	21.5
60°-70°	2407.8	16.9
70°-80°	1186.1	8.3
80°-90°	219.4	1.5
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°	14206.6	100.0
0°-180°	14206.6	100.0



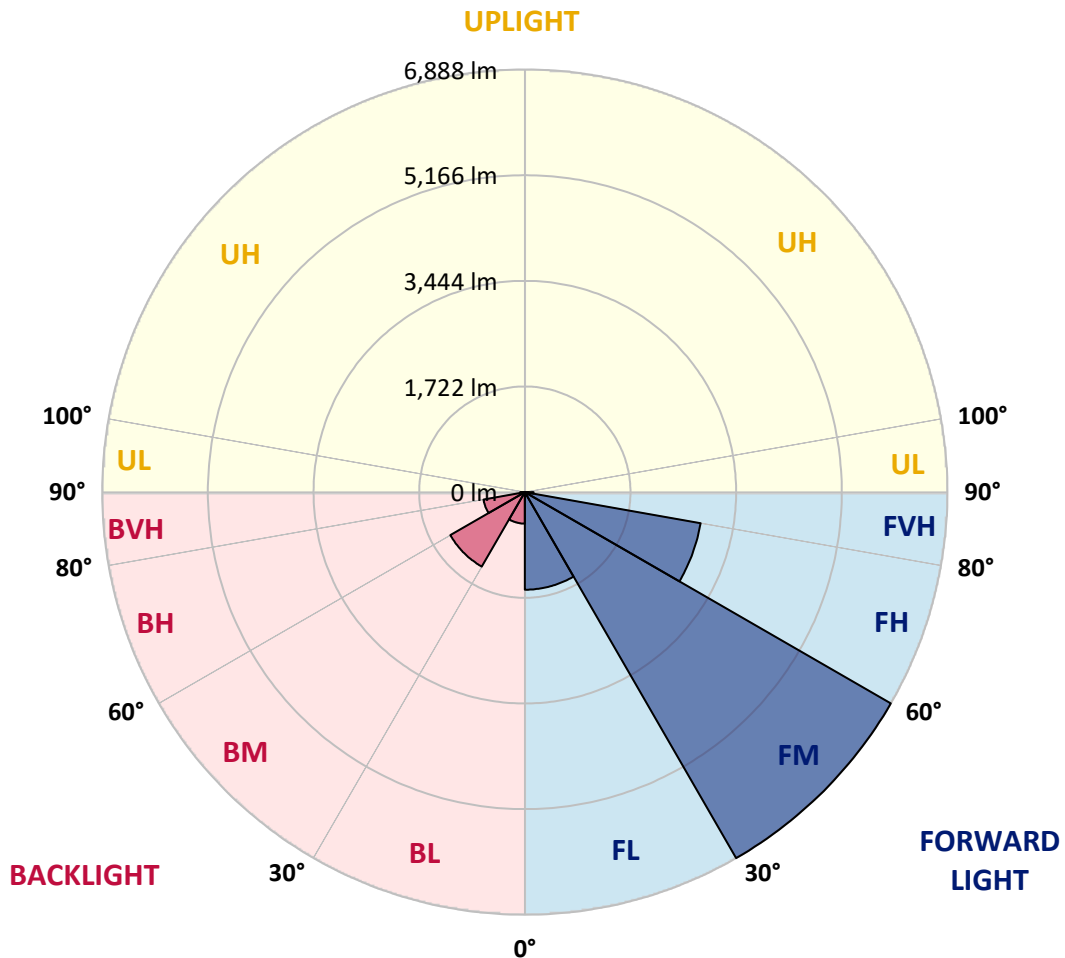
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1590.0	11.2			
FM (30°-60°)	6887.9	48.5			
FH (60°-80°)	2909.7	20.5			G2/5000
FVH (80°-90°)	142.5	1.0			G2/225
BL (0°-30°)	513.5	3.6	B2/1000		
BM (30°-60°)	1401.9	9.9	B2/2500		
BH (60°-80°)	684.2	4.8	B2/1000		G2/1000
BVH (80°-90°)	76.9	0.5			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8
2.5°	2012.0	1981.3	1964.9	1946.5	1895.4	1862.6	1801.3	1729.7	1646.8	1576.2	1562.9
5°	2436.5	2405.8	2409.9	2364.9	2290.2	2220.7	2106.1	1971.1	1813.5	1692.8	1650.9
7.5°	2736.2	2702.4	2710.6	2692.2	2631.8	2555.1	2409.9	2236.0	2005.8	1826.8	1759.3
10°	2936.7	2940.8	2946.9	2939.7	2900.9	2846.6	2702.4	2510.1	2223.7	1985.4	1893.3
12.5°	3163.7	3175.0	3172.9	3176.0	3155.6	3112.6	2971.4	2790.4	2455.9	2156.2	2036.5
15°	3453.2	3442.0	3451.2	3464.5	3442.0	3394.9	3270.1	3055.3	2699.4	2346.5	2198.1
17.5°	3770.3	3746.8	3771.3	3758.0	3741.7	3711.0	3573.9	3344.8	2951.0	2552.1	2378.2
20°	4044.4	4029.1	4042.4	4044.4	4047.5	4041.4	3900.2	3656.8	3214.9	2776.1	2572.5
22.5°	4352.3	4345.2	4343.1	4344.1	4347.2	4354.4	4258.2	3998.4	3507.4	3011.3	2782.2
25°	4782.9	4775.8	4728.7	4676.6	4645.9	4668.4	4618.3	4386.1	3830.6	3275.2	3012.4
27.5°	5265.7	5254.5	5192.1	5060.1	4961.9	4978.3	4973.2	4813.6	4203.0	3578.0	3288.5
30°	5766.9	5739.3	5653.4	5468.3	5313.8	5285.2	5299.5	5246.3	4671.4	3980.0	3673.1
32.5°	6213.9	6162.8	6049.3	5862.1	5678.0	5595.1	5597.1	5620.7	5180.8	4448.5	4076.1
35°	6487.0	6453.3	6368.4	6179.2	5973.6	5918.3	5903.0	6020.6	5648.3	4882.2	4437.2
37.5°	6634.3	6601.6	6510.6	6358.2	6202.7	6180.2	6208.8	6390.9	6179.2	5423.3	4928.2
40°	6607.7	6573.0	6513.6	6407.3	6305.0	6322.4	6449.2	6730.5	6759.1	6070.7	5627.8
42.5°	6388.8	6352.0	6346.9	6339.7	6291.7	6368.4	6597.5	6979.0	7292.0	6818.5	6474.8
45°	6002.2	5979.7	6006.3	6129.0	6189.4	6337.7	6667.1	7099.7	7760.5	7578.4	7275.7
47.5°	5512.2	5498.9	5559.3	5753.6	5949.0	6243.6	6713.1	7132.5	8082.7	8082.7	7800.4
50°	4964.0	4958.9	5038.7	5321.0	5626.8	6070.7	6708.0	7163.2	8223.9	8231.0	7985.5
52.5°	4198.9	4225.5	4438.2	4810.6	5225.8	5799.7	6636.4	7249.1	8303.7	8320.0	8109.3
55°	3317.2	3342.7	3663.9	4165.1	4697.0	5470.3	6422.6	7223.5	8319.0	8355.8	8179.9
57.5°	2648.2	2653.3	2853.8	3449.1	4107.8	5048.9	6176.1	7053.7	8274.0	8434.6	8288.3
60°	2072.3	2088.7	2222.7	2694.2	3424.6	4505.7	5900.9	6886.0	8299.6	8509.3	8386.5
62.5°	1543.5	1547.6	1672.4	2037.6	2720.8	3813.3	5527.6	6707.0	8335.4	8593.1	8426.4
65°	1005.5	1004.5	1125.2	1454.5	2032.4	3065.5	4941.5	6426.7	8338.4	8574.7	8243.3
67.5°	639.3	643.4	695.6	903.2	1360.4	2313.7	4143.6	5906.1	8193.2	8128.7	7576.4
70°	518.6	519.6	536.0	590.2	828.5	1581.4	3114.6	5091.8	7733.9	7239.9	6585.2
72.5°	462.3	463.4	471.5	477.7	552.3	950.2	2043.7	4134.4	6917.7	6171.0	5463.1
75°	415.3	415.3	420.4	414.3	453.1	596.3	1159.9	3108.5	5697.4	4805.4	4127.3
77.5°	364.1	363.1	363.1	360.1	391.8	435.7	581.0	2169.5	4103.8	3277.3	2676.9
80°	308.9	306.9	309.9	307.9	338.6	330.4	338.6	1338.9	2224.7	1502.6	1139.5
82.5°	240.4	240.4	249.6	251.6	279.2	239.4	238.3	635.2	844.9	561.6	420.4
85°	125.8	141.2	190.3	198.4	210.7	150.4	174.9	296.6	338.6	214.8	153.4
87.5°	37.8	39.9	116.6	130.9	129.9	75.7	107.4	143.2	158.5	95.1	62.4
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°	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8	1510.8
2.5°	1529.2	1493.4	1417.7	1350.2	1299.0	1249.9	1216.2	1198.8	1176.3	1179.4	1172.2
5°	1576.2	1502.6	1368.6	1260.2	1187.6	1132.3	1098.6	1081.2	1064.8	1056.6	1062.8
7.5°	1646.8	1532.3	1345.1	1214.1	1138.5	1091.4	1073.0	1067.9	1063.8	1060.7	1065.8
10°	1737.9	1584.4	1341.0	1197.8	1128.2	1099.6	1092.4	1089.4	1085.3	1081.2	1084.2
12.5°	1830.9	1641.7	1355.3	1201.9	1144.6	1123.1	1113.9	1109.8	1099.6	1094.5	1095.5
15°	1947.5	1711.3	1374.7	1218.2	1166.1	1138.5	1126.2	1114.9	1098.6	1091.4	1094.5
17.5°	2072.3	1794.1	1401.3	1233.6	1174.3	1140.5	1116.0	1099.6	1083.2	1073.0	1074.0
20°	2213.5	1875.9	1424.9	1238.7	1170.2	1123.1	1093.4	1074.0	1052.5	1041.3	1038.2
22.5°	2359.8	1961.9	1443.3	1234.6	1147.7	1093.4	1059.7	1036.2	1010.6	993.2	994.2
25°	2537.7	2078.5	1458.6	1220.3	1118.0	1054.6	1016.7	987.1	960.5	944.1	945.1
27.5°	2751.5	2210.4	1477.0	1197.8	1082.2	1012.6	968.7	939.0	913.4	898.1	896.0
30°	3036.9	2382.3	1497.5	1170.2	1037.2	966.6	923.7	893.0	868.4	854.1	854.1
32.5°	3358.1	2592.0	1511.8	1137.4	987.1	917.5	878.6	854.1	835.7	816.3	814.2
35°	3637.3	2754.6	1555.8	1111.9	943.1	871.5	844.9	827.5	799.9	781.5	778.4
37.5°	4047.5	3041.0	1685.7	1104.7	889.9	835.7	830.6	797.8	766.1	731.4	728.3
40°	4708.3	3537.1	1837.1	1069.9	834.7	816.3	811.1	767.2	692.5	671.0	666.9
42.5°	5549.1	4134.4	1853.4	968.7	795.8	799.9	784.5	698.6	665.9	649.5	645.4
45°	6308.0	4619.3	1760.4	865.3	767.2	775.3	743.6	673.0	654.6	639.3	635.2
47.5°	6734.6	4768.6	1584.4	787.6	745.7	753.9	678.2	660.8	642.4	627.0	622.9
50°	6854.3	4638.7	1379.9	742.6	729.3	732.4	660.8	650.5	634.2	621.9	615.8
52.5°	6877.8	4444.4	1190.6	716.0	717.0	689.4	645.4	637.2	627.0	607.6	600.4
55°	6888.0	4269.5	1020.8	699.6	708.8	634.2	629.1	622.9	614.7	594.3	590.2
57.5°	6914.6	4045.5	887.9	687.4	698.6	608.6	610.7	606.6	596.3	587.1	585.1
60°	6838.9	3735.5	785.6	675.1	684.3	587.1	589.2	591.2	582.0	580.0	578.9
62.5°	6585.2	3295.7	698.6	658.7	654.6	565.6	565.6	573.8	565.6	568.7	568.7
65°	6062.6	2735.2	620.9	628.0	608.6	542.1	541.1	555.4	543.1	556.4	557.5
67.5°	5171.6	2070.3	541.1	580.0	560.5	517.6	521.7	532.9	516.5	544.2	544.2
70°	4093.5	1408.5	458.2	512.5	511.4	490.0	503.3	502.2	483.8	524.7	517.6
72.5°	3049.2	904.2	373.3	429.6	447.0	460.3	484.8	463.4	446.0	469.5	448.0
75°	2130.6	566.7	294.6	339.6	372.3	427.6	462.3	419.4	393.8	386.6	380.5
77.5°	1275.5	362.1	232.2	258.8	290.5	388.7	433.7	373.3	334.5	330.4	318.1
80°	588.2	236.3	177.0	193.3	206.6	333.5	394.8	319.1	272.1	268.0	253.7
82.5°	265.9	155.5	132.0	138.1	139.1	264.9	333.5	252.6	207.6	336.5	291.5
85°	123.8	100.2	85.9	81.8	82.9	177.0	242.4	173.9	236.3	184.1	140.1
87.5°	53.2	51.1	44.0	34.8	31.7	37.8	93.1	72.6	103.3	40.9	27.6
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)