

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: P672317

Luminaire Tested: **CCP-SA-2C-835-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672317  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-835-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (32) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

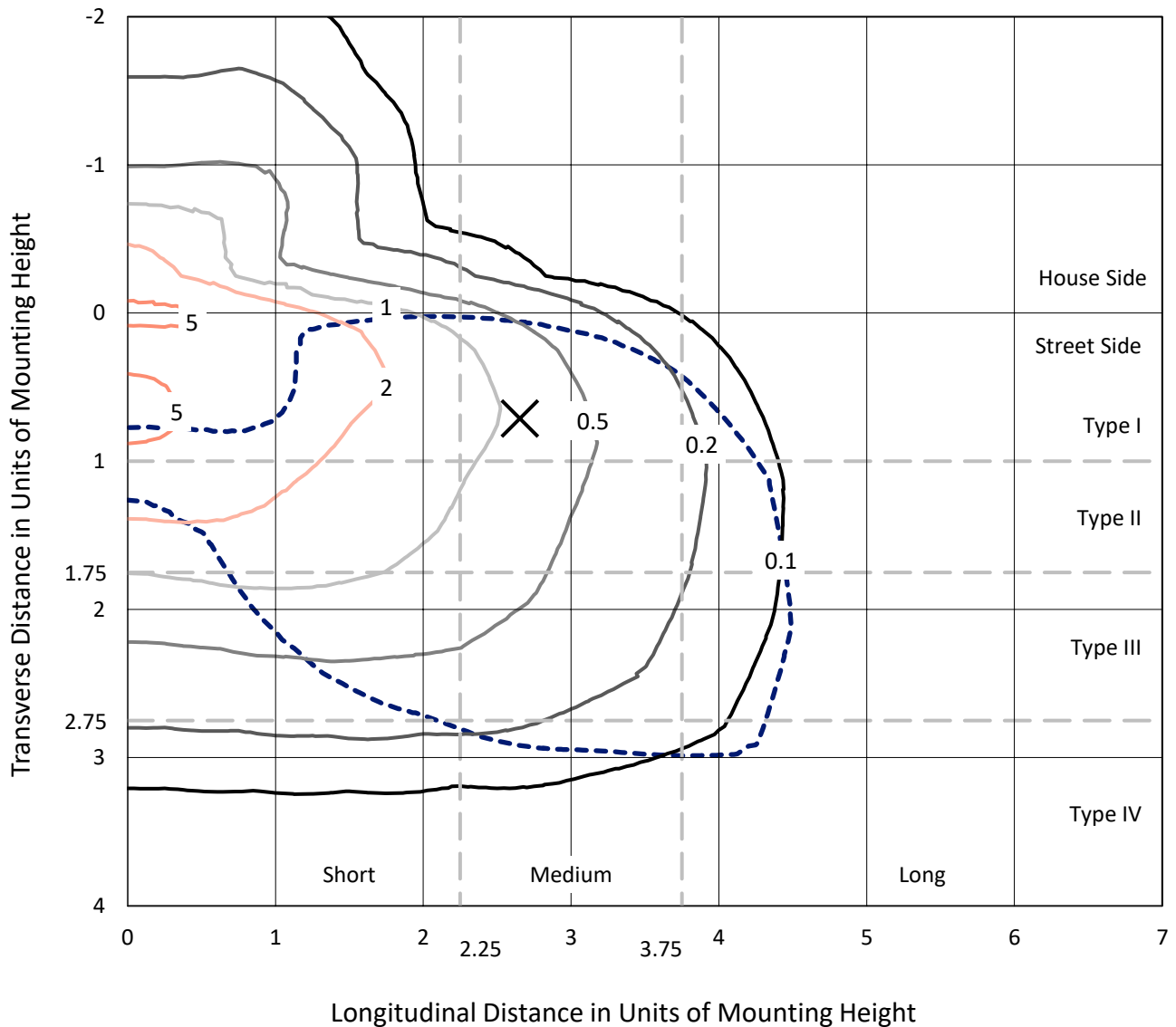
Lumens per Lamp: N/A  
Luminaire Lumens: 7572.2 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
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

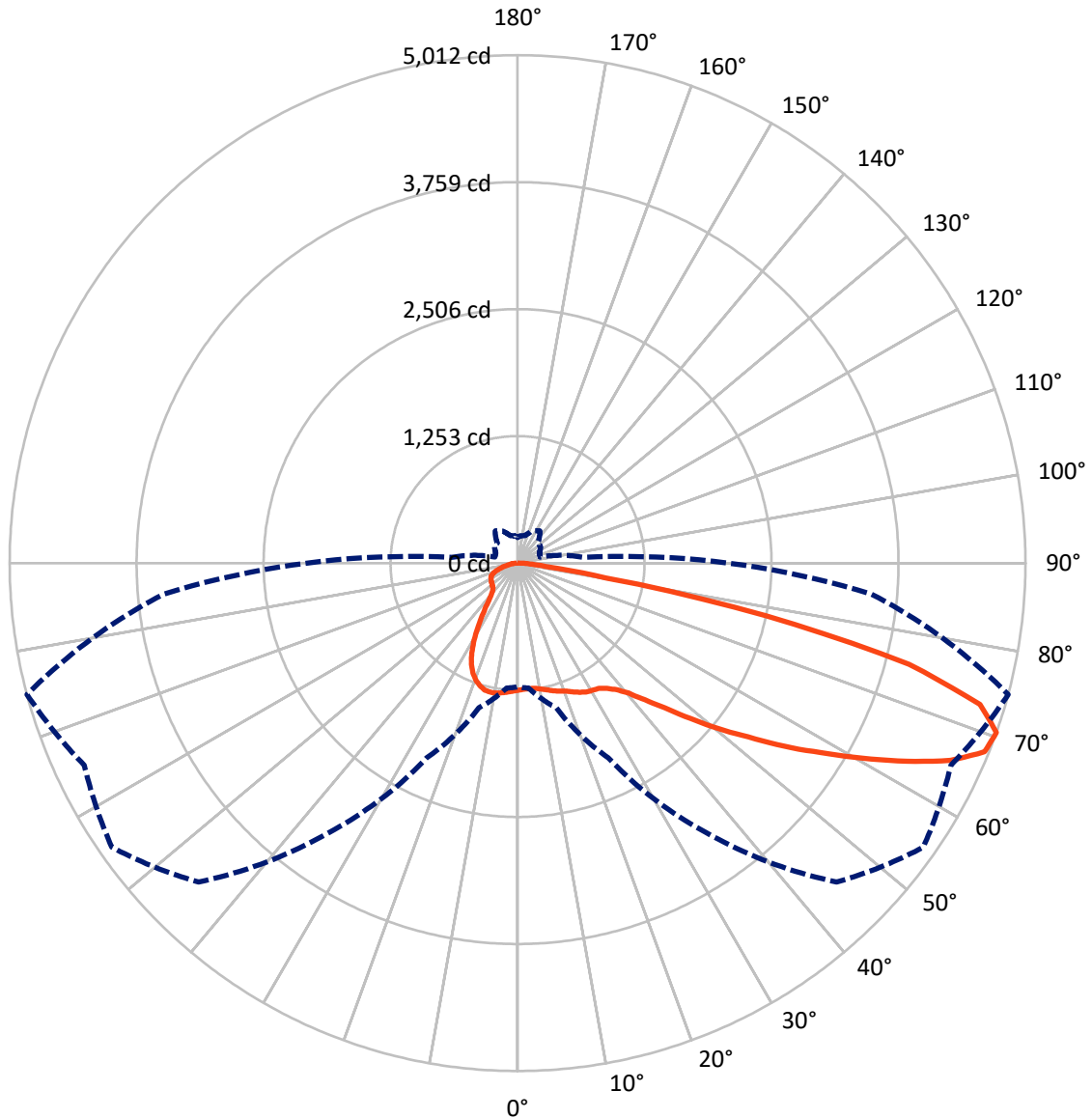
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 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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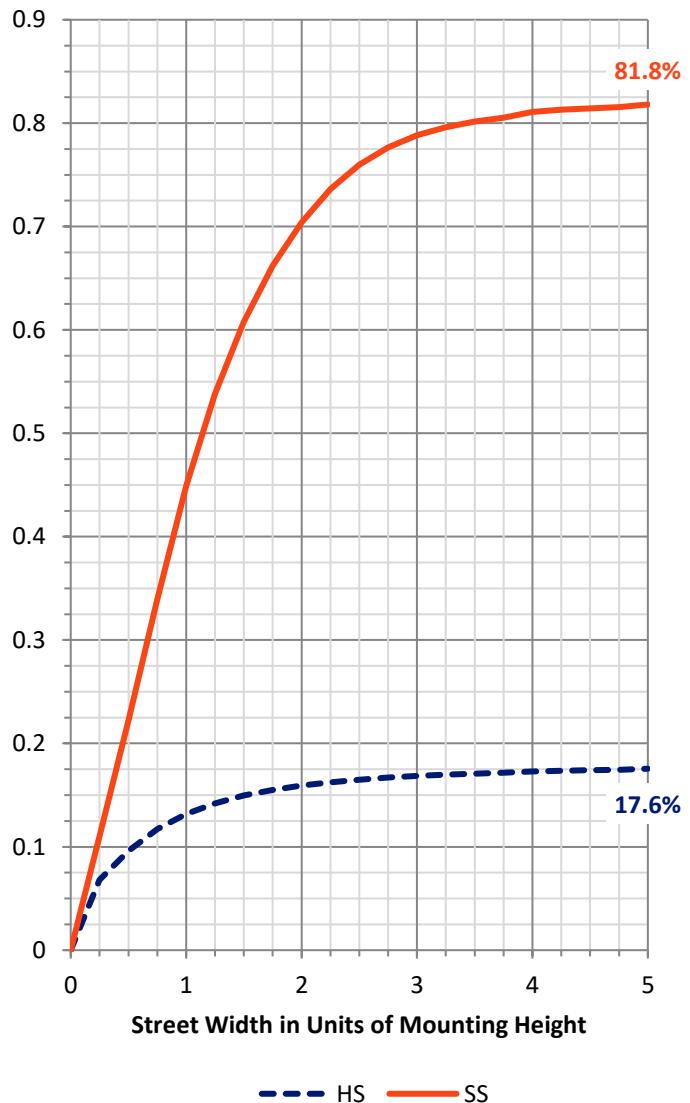
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1347.2	0.0	1347.2
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	6225.0	0.0	6225.0
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	7572.2	0.0	7572.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.6	1.5
10°-20°	300.7	4.0
20°-30°	506.6	6.7
30°-40°	769.5	10.2
40°-50°	1102.4	14.6
50°-60°	1461.6	19.3
60°-70°	1829.1	24.2
70°-80°	1335.7	17.6
80°-90°	154.0	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°	7572.2	100.0
0°-180°	7572.2	100.0



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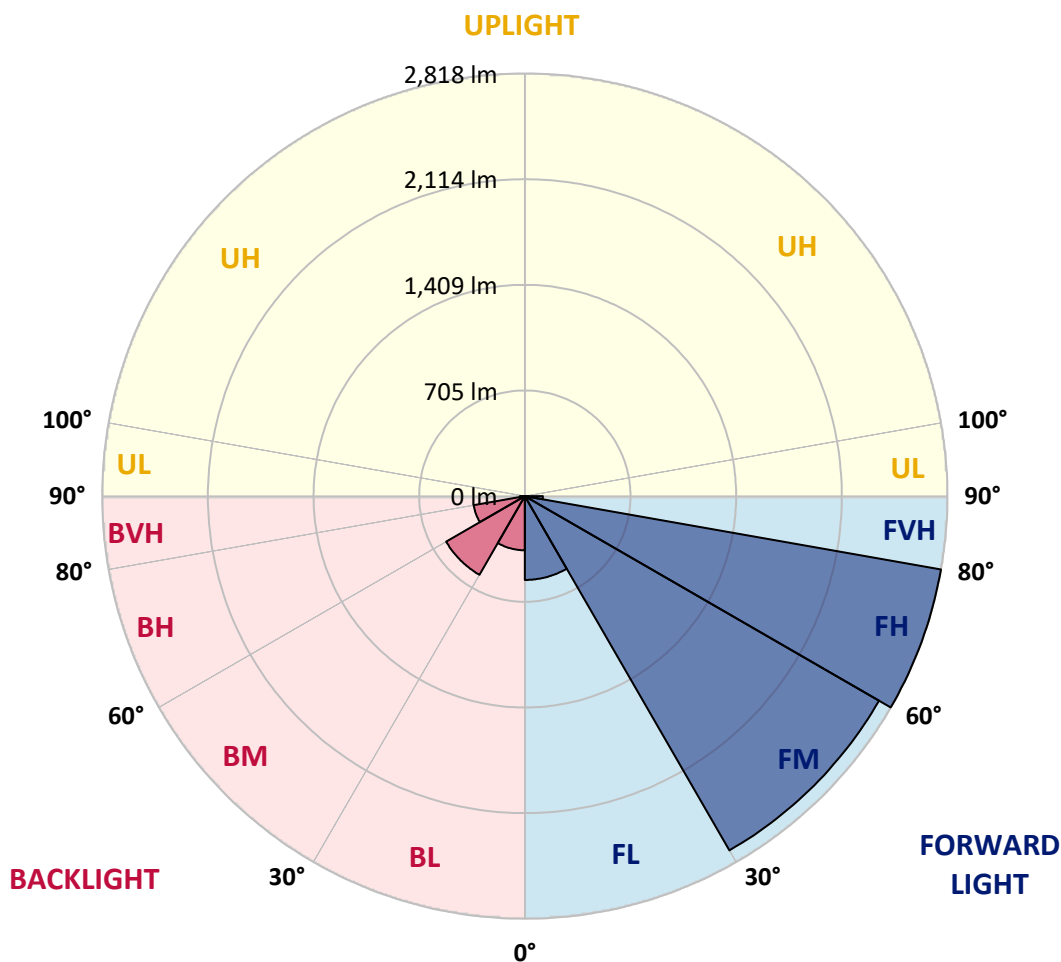
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.9	7.4			
FM (30°-60°)	2727.8	36.0			
FH (60°-80°)	2818.2	37.2			G2/5000
FVH (80°-90°)	120.2	1.6			G2/225
BL (0°-30°)	361.1	4.8	B1/500		
BM (30°-60°)	605.7	8.0	B1/1000		
BH (60°-80°)	346.5	4.6	B1/500		G1/500
BVH (80°-90°)	33.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3
2.5°	1185.6	1192.2	1198.2	1204.2	1209.1	1222.2	1224.9	1239.0	1242.9	1246.1	1250.5
5°	1119.2	1124.1	1130.1	1139.9	1150.2	1173.7	1190.0	1221.1	1238.5	1243.9	1259.2
7.5°	1083.2	1084.8	1093.0	1101.2	1113.2	1136.1	1158.4	1206.9	1241.8	1247.8	1280.5
10°	1057.1	1059.2	1066.9	1078.3	1090.3	1111.5	1139.3	1197.1	1253.8	1263.0	1309.3
12.5°	1047.8	1046.7	1055.4	1063.0	1079.9	1106.6	1135.5	1197.6	1270.1	1283.2	1351.3
15°	1084.8	1077.8	1083.2	1080.5	1085.9	1112.1	1146.4	1209.6	1290.3	1306.6	1394.9
17.5°	1166.6	1160.6	1156.8	1133.3	1118.1	1132.8	1165.5	1226.5	1311.5	1328.9	1434.1
20°	1288.6	1271.7	1257.6	1218.3	1175.8	1170.9	1193.8	1243.4	1331.7	1348.6	1475.5
22.5°	1427.6	1413.9	1391.1	1322.4	1256.5	1223.8	1229.8	1274.5	1361.1	1379.6	1522.9
25°	1603.0	1602.5	1555.6	1463.0	1363.3	1297.3	1284.8	1324.0	1394.3	1412.3	1562.2
27.5°	1803.0	1789.4	1733.8	1614.5	1489.1	1388.3	1358.9	1374.7	1421.0	1439.6	1593.8
30°	1974.1	1975.7	1919.0	1788.8	1623.2	1477.2	1421.6	1411.2	1438.5	1457.0	1623.2
32.5°	2157.2	2147.9	2096.1	1962.1	1768.1	1572.5	1461.9	1437.4	1456.4	1473.9	1664.0
35°	2329.3	2319.0	2274.3	2129.9	1927.8	1677.7	1516.4	1478.2	1498.9	1518.0	1714.2
37.5°	2493.3	2495.0	2444.3	2306.5	2082.5	1801.9	1597.0	1539.8	1562.2	1583.4	1790.5
40°	2636.6	2628.5	2589.2	2465.0	2243.2	1928.3	1688.0	1623.7	1667.3	1686.9	1886.9
42.5°	2682.4	2681.9	2697.1	2620.8	2412.2	2078.7	1801.4	1754.5	1816.1	1845.5	2005.1
45°	2642.6	2654.6	2742.9	2740.7	2581.1	2251.4	1956.1	1913.6	2002.4	2035.6	2149.5
47.5°	2603.4	2621.4	2741.3	2809.4	2732.5	2441.6	2146.3	2114.7	2242.2	2290.1	2299.4
50°	2546.2	2563.1	2705.8	2819.2	2825.2	2633.9	2392.5	2352.8	2516.8	2565.8	2462.3
52.5°	2482.4	2495.5	2643.2	2812.1	2869.3	2784.3	2633.9	2622.5	2811.0	2850.8	2627.9
55°	2130.5	2186.0	2551.1	2796.8	2899.8	2899.3	2868.8	2906.4	3131.9	3191.3	2812.6
57.5°	1928.3	1957.7	2291.7	2788.1	2957.0	3005.5	3111.2	3191.9	3474.7	3528.1	3016.4
60°	1862.4	1888.5	2161.5	2777.8	3070.9	3171.7	3348.3	3479.0	3843.0	3908.4	3244.2
62.5°	1802.4	1834.0	2108.7	2695.5	3208.8	3434.9	3631.0	3789.6	4231.5	4308.9	3470.8
65°	1680.4	1702.7	2011.7	2626.3	3339.5	3810.3	4039.2	4131.8	4608.0	4695.2	3621.2
67.5°	1469.5	1490.8	1793.2	2467.2	3424.5	4201.0	4485.4	4485.9	4899.0	4970.3	3652.8
70°	1221.6	1238.0	1478.2	2120.6	3247.4	4451.6	4888.1	4717.5	4981.2	5012.3	3502.5
72.5°	873.4	887.6	1082.7	1567.6	2662.8	4248.4	4979.6	4707.7	4781.8	4772.0	3074.7
75°	538.3	565.6	663.1	956.8	1654.8	3342.8	4481.6	4265.8	4015.2	3987.9	2315.2
77.5°	350.9	365.1	448.4	564.5	730.1	1919.0	3403.8	3198.4	2535.3	2503.7	1244.5
80°	210.9	234.3	293.7	354.7	330.7	733.9	1943.6	1588.9	895.8	886.0	382.5
82.5°	113.3	134.6	207.1	219.6	185.8	259.4	704.0	516.5	286.6	283.3	143.3
85°	89.9	100.3	148.8	138.9	105.2	131.3	274.6	215.2	147.1	143.8	53.9
87.5°	54.5	68.7	112.8	93.7	52.3	47.4	125.9	101.9	69.2	64.3	21.3
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°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3
2.5°	1258.7	1261.4	1264.1	1258.7	1260.8	1258.1	1258.1	1258.1	1251.0	1248.9	1255.4
5°	1270.6	1274.5	1276.6	1259.7	1249.4	1234.1	1221.6	1202.5	1191.6	1184.6	1184.6
7.5°	1295.2	1299.5	1289.7	1252.1	1215.6	1174.7	1132.8	1097.9	1072.9	1062.0	1065.2
10°	1331.1	1332.8	1300.1	1230.9	1153.0	1077.2	1017.8	971.5	940.5	924.7	922.5
12.5°	1373.1	1366.0	1302.2	1184.0	1068.5	966.6	894.1	834.2	794.4	779.2	771.5
15°	1414.5	1397.6	1294.1	1127.9	972.6	850.0	757.4	700.7	676.2	669.1	666.4
17.5°	1451.5	1419.9	1266.8	1047.2	861.4	713.8	645.7	625.5	628.2	634.8	637.5
20°	1485.3	1436.8	1227.6	951.4	722.5	607.5	590.6	609.2	624.4	634.2	635.9
22.5°	1522.4	1453.2	1173.1	834.7	608.6	558.5	578.7	599.9	615.2	625.0	626.6
25°	1550.7	1452.6	1096.3	696.3	536.7	545.4	569.4	588.5	599.9	607.0	606.4
27.5°	1568.7	1439.6	995.5	582.5	508.4	536.2	559.0	571.6	578.1	583.6	583.0
30°	1574.1	1414.5	868.5	498.6	495.3	527.4	544.9	552.5	557.4	562.9	562.9
32.5°	1585.0	1375.8	728.5	451.7	485.5	518.7	529.1	535.1	531.3	517.6	514.9
35°	1597.0	1332.8	596.1	429.9	476.2	512.7	522.5	506.7	465.3	459.9	457.7
37.5°	1620.5	1293.0	483.8	414.6	474.0	516.0	524.2	461.0	426.1	409.2	406.5
40°	1660.2	1253.2	408.7	403.8	476.8	530.2	502.4	439.2	381.4	349.3	343.8
42.5°	1712.5	1204.7	366.2	398.3	484.4	553.0	494.7	408.1	344.9	323.1	319.8
45°	1773.0	1140.4	346.0	397.2	493.7	564.5	496.9	383.0	328.6	311.7	310.6
47.5°	1835.7	1077.2	337.3	396.1	505.1	559.6	467.0	375.4	322.0	317.1	320.4
50°	1903.2	1005.3	330.2	393.4	514.4	559.6	450.6	373.8	324.2	335.1	346.0
52.5°	1966.5	944.8	322.0	385.2	518.2	549.8	445.7	379.8	327.5	324.7	328.0
55°	2043.3	913.8	317.7	373.8	511.1	519.8	439.7	396.1	330.2	307.9	307.9
57.5°	2131.0	907.2	311.1	358.5	488.2	478.4	439.2	405.9	323.1	302.4	298.6
60°	2236.7	921.4	302.9	339.5	460.4	446.3	435.4	405.9	311.7	293.1	294.8
62.5°	2322.3	919.7	298.0	322.6	423.4	413.0	428.3	400.5	307.3	292.1	291.5
65°	2342.4	884.9	283.9	300.8	377.6	372.7	420.6	386.9	301.3	286.1	281.7
67.5°	2274.3	805.9	262.6	271.9	329.1	329.6	407.0	368.9	293.1	282.8	275.7
70°	2080.9	651.7	231.0	237.0	276.8	283.9	386.9	347.6	279.5	268.6	251.7
72.5°	1741.4	468.6	194.5	196.2	220.1	238.7	352.0	318.8	259.4	233.8	215.8
75°	1289.2	311.1	158.6	156.4	165.1	194.0	300.8	286.6	233.2	194.0	184.7
77.5°	681.6	184.2	122.1	122.6	117.1	148.8	238.7	249.0	207.1	163.5	154.2
80°	233.2	110.6	87.7	91.5	82.8	106.3	177.1	207.1	177.1	136.2	120.4
82.5°	106.8	67.6	62.7	65.4	59.4	71.9	121.5	156.9	141.1	99.2	80.1
85°	53.9	40.3	40.3	44.1	39.2	37.1	67.0	104.1	103.5	68.1	58.8
87.5°	22.3	19.6	18.5	21.3	18.5	14.2	19.1	37.6	54.5	40.9	26.2
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)