

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: P674689

Luminaire Tested: **CCP-SA-2D-730-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674689  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-730-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

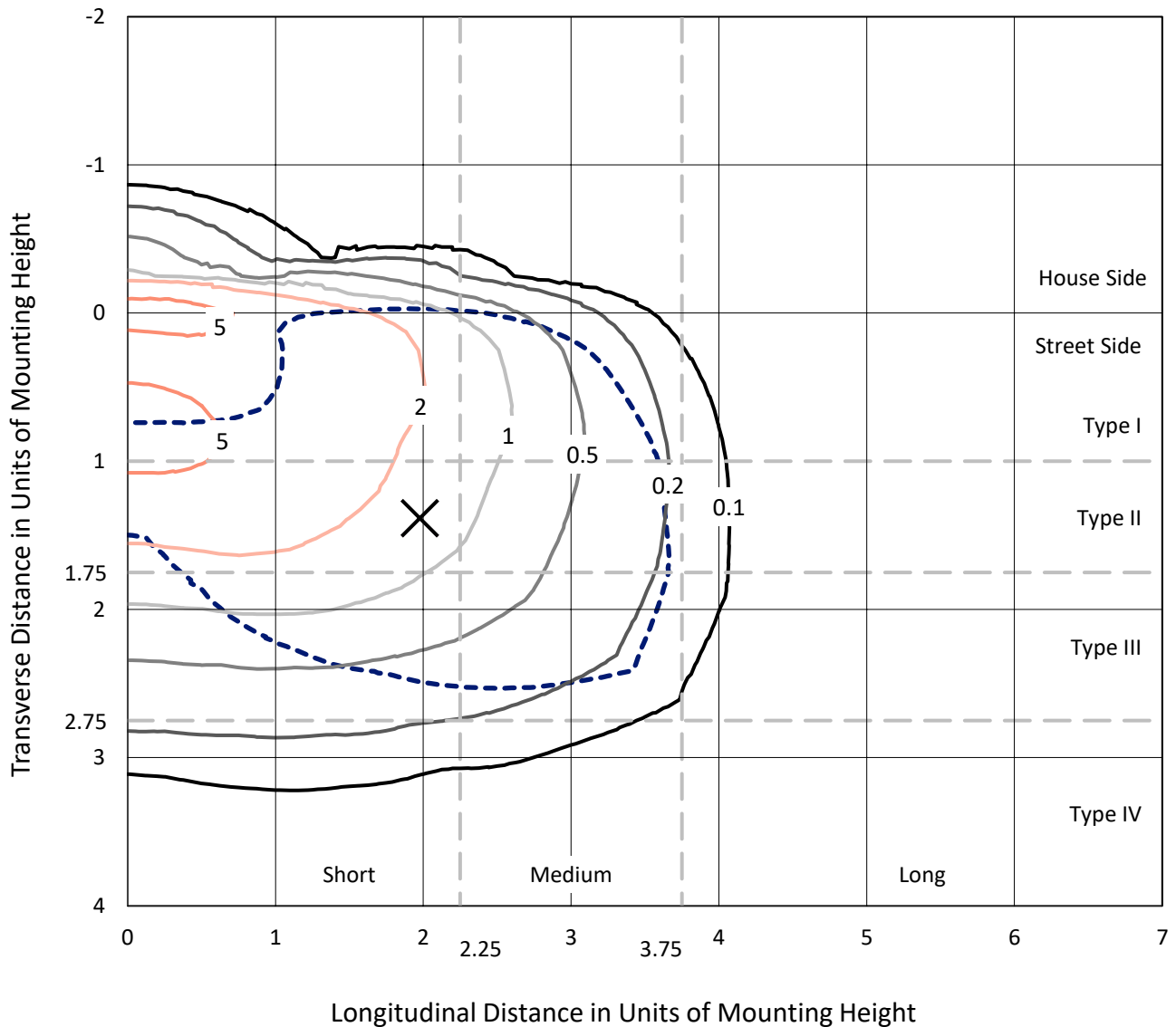
Lumens per Lamp: N/A  
Luminaire Lumens: 8054.4 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8  
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

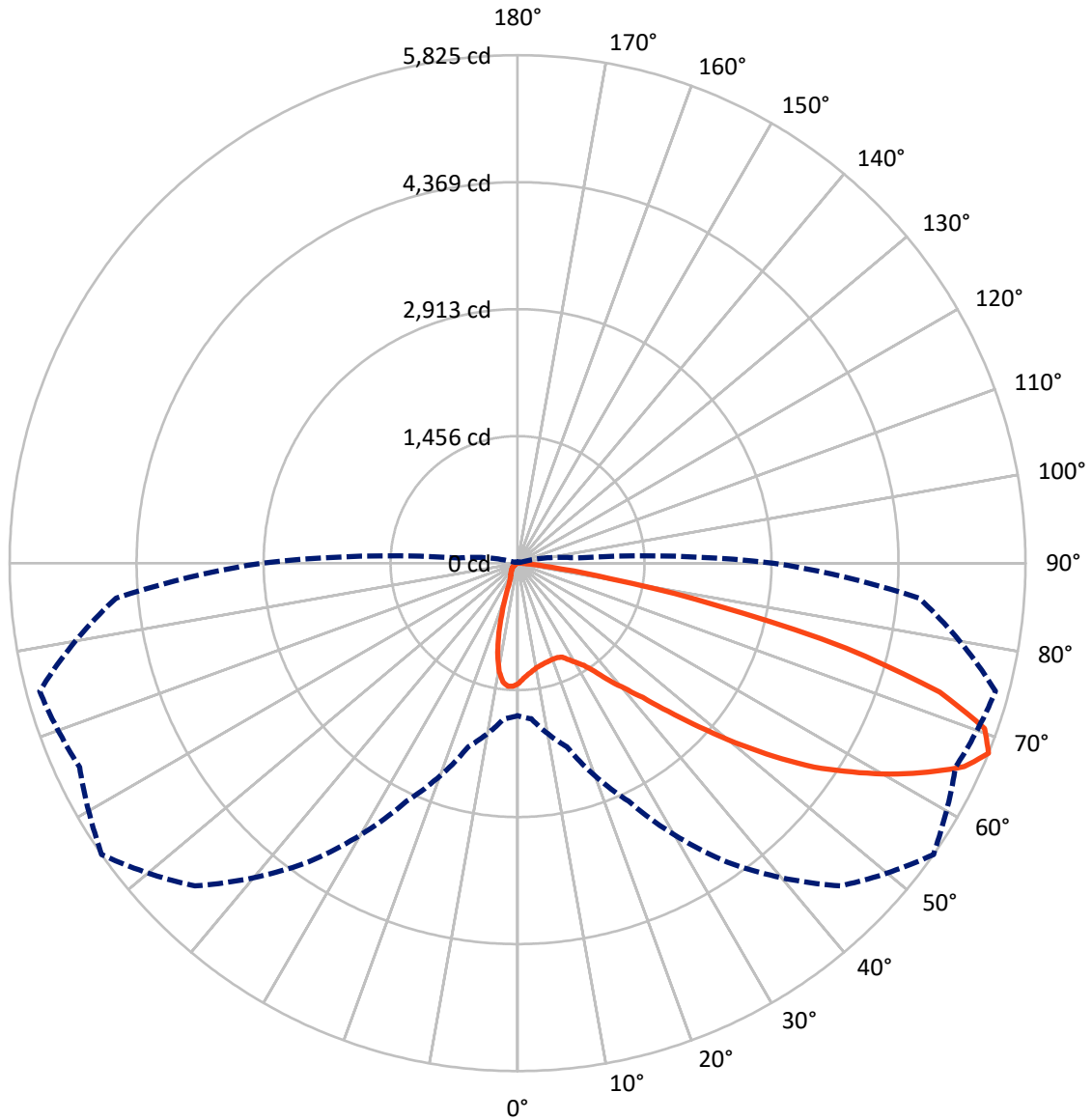
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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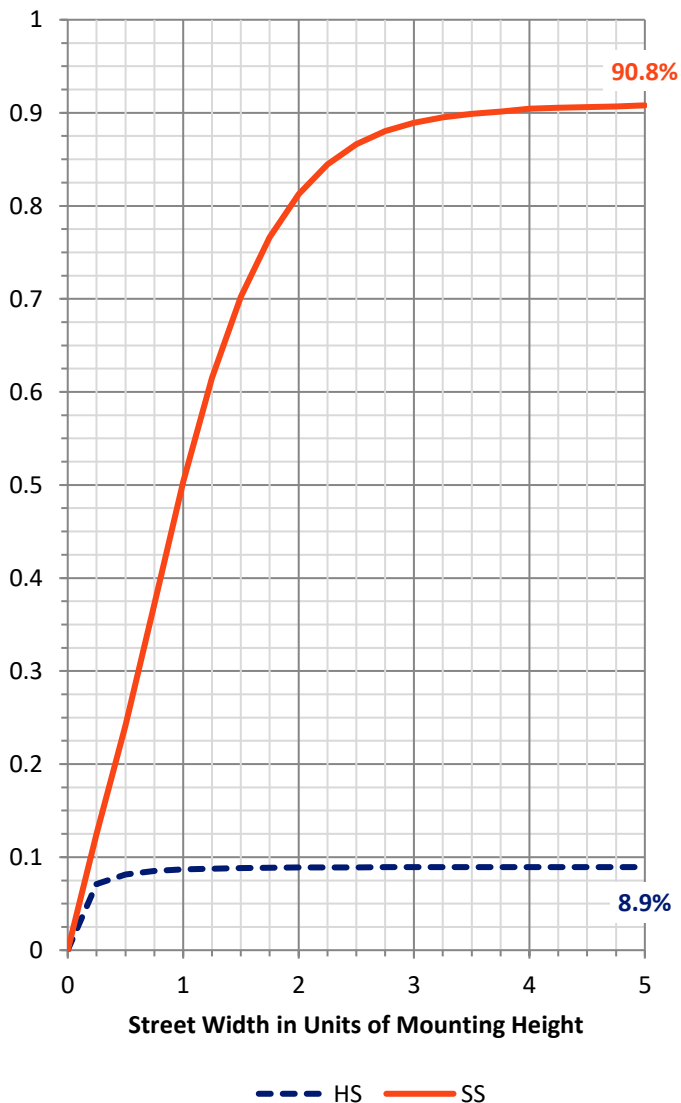
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	723.6	0.0	723.6
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	7330.9	0.0	7330.9
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	8054.4	0.0	8054.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.1	1.5
10°-20°	275.8	3.4
20°-30°	442.5	5.5
30°-40°	767.5	9.5
40°-50°	1279.7	15.9
50°-60°	1871.4	23.2
60°-70°	2182.0	27.1
70°-80°	1058.9	13.1
80°-90°	55.4	0.7
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°	8054.4	100.0
0°-180°	8054.4	100.0



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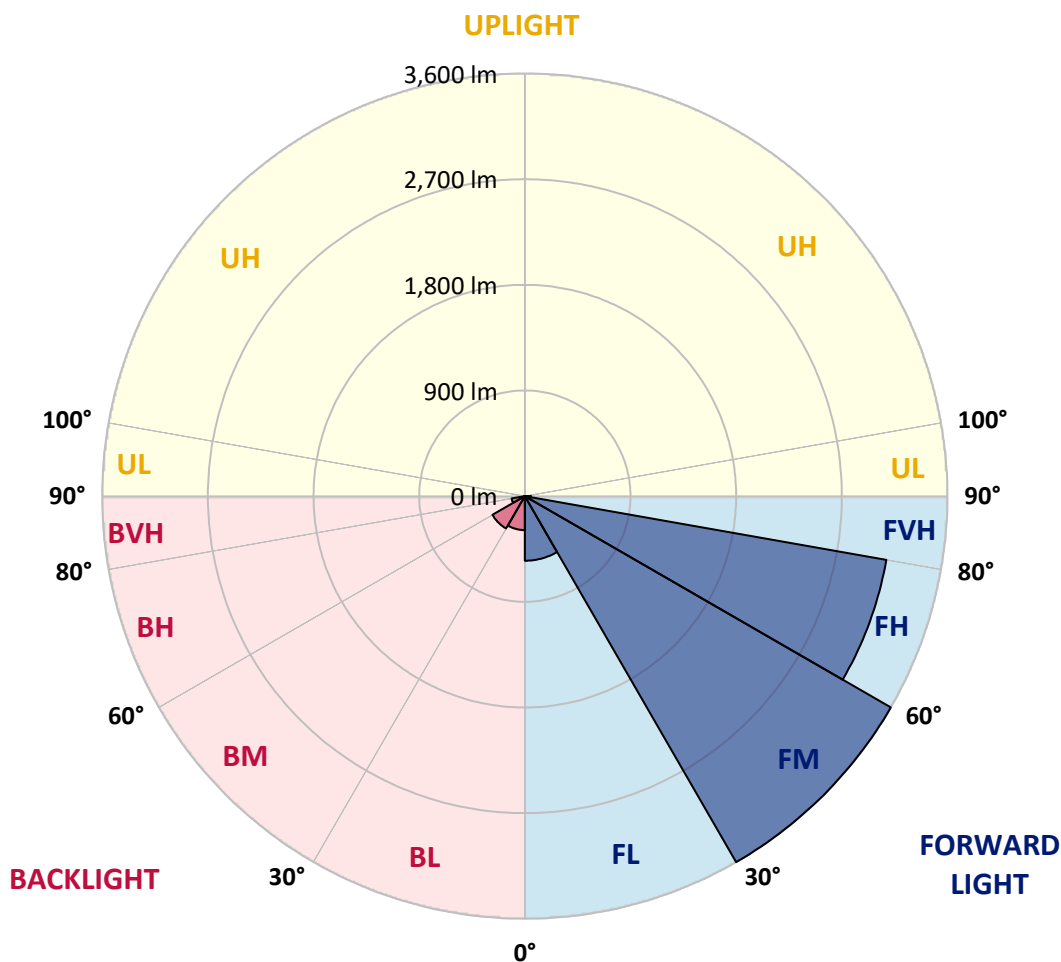
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	550.2	6.8			
FM (30°-60°)	3600.1	44.7			
FH (60°-80°)	3126.8	38.8			G2/5000
FVH (80°-90°)	53.8	0.7			G1/100
BL (0°-30°)	289.3	3.6	B1/500		
BM (30°-60°)	318.6	4.0	B1/1000		
BH (60°-80°)	114.1	1.4	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3
2.5°	1274.2	1282.3	1292.7	1296.4	1309.1	1326.9	1321.7	1318.0	1338.0	1365.5	1374.4
5°	1194.8	1195.5	1211.8	1223.7	1245.2	1262.3	1280.9	1279.4	1315.7	1362.5	1392.2
7.5°	1116.9	1118.3	1135.4	1154.0	1185.1	1218.5	1246.7	1245.2	1303.9	1366.2	1422.6
10°	1014.4	1021.9	1042.6	1075.3	1124.3	1177.0	1216.3	1220.0	1290.5	1380.3	1464.2
12.5°	932.1	935.8	958.8	1001.1	1059.0	1128.0	1201.5	1199.2	1293.5	1406.3	1518.3
15°	897.2	895.0	909.1	940.2	1006.3	1093.1	1186.6	1191.8	1303.9	1436.0	1574.7
17.5°	905.4	903.1	910.6	921.7	968.4	1064.2	1178.4	1187.4	1320.2	1467.1	1627.4
20°	995.9	980.3	966.9	955.1	961.8	1040.4	1173.3	1182.9	1329.8	1490.9	1683.1
22.5°	1170.3	1151.0	1115.4	1049.3	1005.5	1041.9	1174.7	1187.4	1351.4	1529.5	1750.6
25°	1454.5	1436.0	1359.5	1224.5	1108.7	1095.3	1194.8	1208.1	1401.1	1588.1	1822.6
27.5°	1830.7	1789.2	1696.4	1502.7	1279.4	1180.7	1254.9	1269.7	1471.6	1633.4	1871.6
30°	2143.2	2133.5	2044.5	1807.0	1514.6	1306.1	1322.4	1330.6	1503.5	1660.8	1920.5
32.5°	2467.5	2447.4	2365.8	2135.0	1787.7	1484.9	1398.1	1401.8	1545.0	1701.6	1991.8
35°	2749.5	2730.9	2662.6	2438.5	2106.8	1725.4	1523.5	1515.4	1631.1	1791.4	2088.3
37.5°	3010.7	3008.5	2948.3	2719.8	2393.3	1974.7	1708.3	1701.6	1765.4	1890.1	2218.9
40°	3266.0	3260.0	3208.8	3000.3	2675.3	2223.3	1884.2	1867.1	1879.7	2028.1	2391.0
42.5°	3422.5	3435.2	3453.0	3320.9	3009.9	2515.0	2106.8	2096.4	2094.2	2244.1	2617.4
45°	3507.1	3529.4	3634.0	3622.2	3364.7	2877.8	2423.7	2397.0	2388.1	2540.9	2876.4
47.5°	3589.5	3599.2	3770.6	3842.6	3704.5	3256.3	2806.6	2769.5	2733.1	2903.1	3185.8
50°	3594.7	3610.3	3822.5	3997.7	3989.5	3628.8	3236.3	3203.6	3162.1	3343.9	3487.8
52.5°	3522.0	3553.2	3815.9	4095.6	4166.1	3957.6	3682.3	3655.6	3621.4	3757.2	3742.4
55°	3019.6	3072.3	3685.2	4104.5	4290.1	4239.6	4130.5	4093.4	4060.0	4156.5	3991.7
57.5°	2780.6	2810.3	3289.0	4097.8	4448.1	4500.8	4519.4	4502.3	4455.5	4575.8	4252.2
60°	2637.4	2680.4	3099.7	4023.6	4618.8	4796.2	4912.7	4878.5	4821.4	4986.9	4531.2
62.5°	2466.0	2497.2	2911.2	3809.9	4720.5	5096.7	5281.5	5250.3	5132.3	5366.1	4756.8
65°	2149.8	2196.6	2611.4	3473.7	4583.9	5317.1	5628.8	5618.4	5413.6	5652.5	4818.4
67.5°	1749.9	1792.2	2178.8	3012.9	4184.7	5234.7	5825.4	5792.8	5541.2	5674.1	4623.3
70°	1313.5	1336.5	1628.2	2302.0	3428.5	4794.7	5683.0	5676.3	5347.5	5355.0	4024.4
72.5°	705.0	768.8	1082.7	1540.6	2411.1	3883.4	5064.8	5038.1	4770.9	4385.8	2894.2
75°	246.4	264.9	576.6	865.3	1309.8	2586.9	3894.5	3832.2	3568.0	2852.6	1577.0
77.5°	151.4	166.2	256.0	442.3	509.8	1122.8	2339.8	2258.9	2088.3	1233.4	538.8
80°	104.6	118.0	171.4	231.5	173.7	363.6	1076.8	1046.4	805.2	293.9	123.9
82.5°	58.6	70.5	129.9	113.5	69.8	94.2	373.3	345.8	214.5	79.4	41.6
85°	34.1	40.8	91.3	80.1	35.6	33.4	97.2	86.8	55.7	29.7	20.0
87.5°	17.8	23.0	66.8	53.4	21.5	11.9	22.3	21.5	14.1	10.4	13.4
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°	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3
2.5°	1390.7	1387.0	1406.3	1412.9	1411.5	1408.5	1415.9	1406.3	1405.5	1403.3	1401.1
5°	1415.9	1421.9	1437.4	1437.4	1416.7	1382.5	1361.7	1333.5	1309.8	1295.7	1293.5
7.5°	1453.8	1465.6	1476.0	1444.1	1372.9	1288.3	1198.5	1128.0	1066.4	1034.5	1031.5
10°	1507.2	1518.3	1510.2	1418.9	1266.0	1090.9	944.7	797.8	724.3	684.2	684.2
12.5°	1571.0	1579.9	1530.2	1355.8	1090.1	836.3	641.2	486.8	413.3	365.9	362.9
15°	1640.0	1642.3	1527.2	1246.0	872.7	561.8	368.1	270.1	239.0	232.3	230.8
17.5°	1700.1	1691.2	1496.1	1083.5	628.6	334.7	233.8	211.5	205.6	205.6	205.6
20°	1756.5	1726.9	1433.7	894.2	403.0	227.8	201.1	195.2	195.2	195.9	195.9
22.5°	1818.9	1760.2	1344.7	684.2	259.0	195.2	188.5	185.5	184.8	187.0	186.3
25°	1892.3	1792.9	1217.0	472.7	200.4	181.8	178.8	175.9	175.9	175.9	175.9
27.5°	1933.2	1788.4	1071.6	298.3	175.1	168.5	165.5	162.5	160.3	159.6	160.3
30°	1968.8	1762.5	881.6	208.5	158.1	150.6	148.4	144.7	140.3	138.8	138.8
32.5°	2015.5	1741.0	682.7	167.7	143.2	135.1	128.4	122.4	115.0	112.1	111.3
35°	2067.5	1701.6	500.2	147.7	129.9	119.5	109.1	99.4	89.8	86.8	86.1
37.5°	2132.0	1666.0	339.1	136.5	118.7	106.1	92.0	78.7	69.8	68.3	68.3
40°	2219.6	1636.3	234.5	126.9	108.3	93.5	76.4	62.3	56.4	54.9	54.9
42.5°	2339.1	1611.8	177.4	118.7	99.4	80.9	61.6	51.2	46.8	45.3	45.3
45°	2480.1	1574.0	149.9	111.3	90.5	68.3	51.2	43.0	40.8	40.8	40.8
47.5°	2641.9	1526.5	136.5	103.9	80.9	55.7	43.0	39.3	38.6	38.6	39.3
50°	2805.1	1470.1	126.9	95.0	69.8	47.5	39.3	37.1	37.1	37.8	37.8
52.5°	2915.7	1381.8	117.3	85.3	58.6	41.6	37.1	36.4	35.6	35.6	35.6
55°	3023.3	1304.6	103.9	75.0	49.0	38.6	35.6	34.9	34.9	34.1	34.1
57.5°	3135.4	1243.8	86.8	62.3	41.6	36.4	34.1	34.1	32.7	31.9	31.9
60°	3265.2	1190.3	66.8	49.0	36.4	34.1	31.9	31.2	29.7	28.2	28.2
62.5°	3303.1	1077.5	50.5	39.3	31.2	29.7	28.9	27.5	23.7	20.8	21.5
65°	3204.4	900.2	40.1	31.2	25.2	25.2	23.0	19.3	15.6	13.4	13.4
67.5°	2932.0	672.3	32.7	24.5	20.0	19.3	16.3	14.1	9.6	8.2	8.2
70°	2416.3	444.5	26.7	19.3	16.3	13.4	11.1	10.4	7.4	5.9	5.9
72.5°	1693.5	241.2	22.3	15.6	11.9	8.9	7.4	6.7	5.2	4.5	3.7
75°	894.2	92.8	17.8	11.9	7.4	5.9	4.5	4.5	3.7	3.0	3.0
77.5°	306.5	39.3	12.6	6.7	5.2	3.7	3.0	2.2	3.0	2.2	2.2
80°	72.7	23.0	8.2	4.5	3.0	2.2	2.2	1.5	1.5	1.5	1.5
82.5°	31.9	13.4	5.2	3.0	3.0	2.2	1.5	0.7	0.7	0.7	0.7
85°	21.5	8.2	3.7	3.0	2.2	1.5	0.7	0.7	0.0	0.0	0.0
87.5°	17.1	5.2	3.0	3.0	2.2	1.5	0.7	0.0	0.0	0.0	0.0
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)