

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: P674787

Luminaire Tested: **CCP-SA-2C-850-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674787  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-850-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

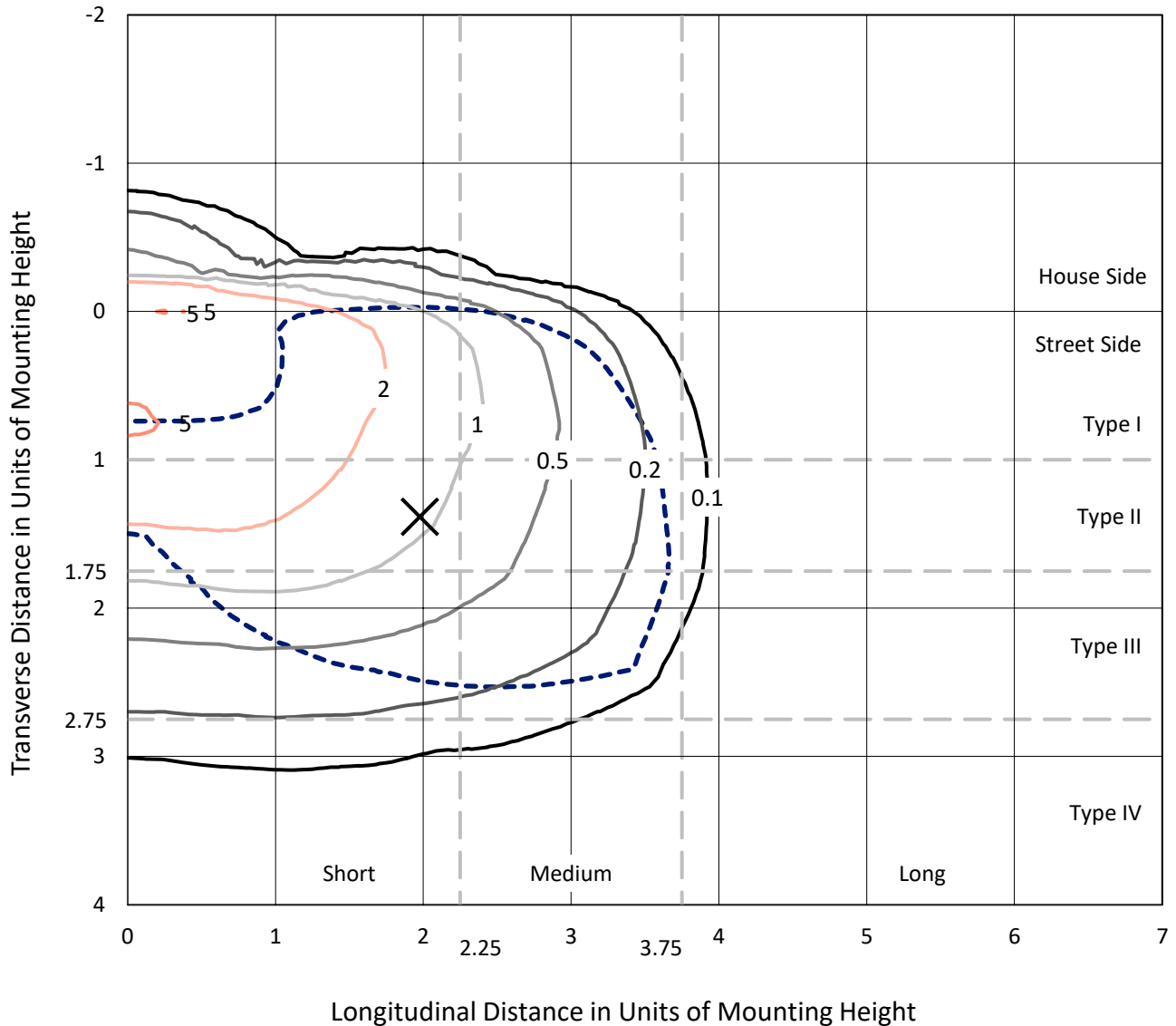
Lumens per Lamp: N/A  
Luminaire Lumens: 6257.2 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

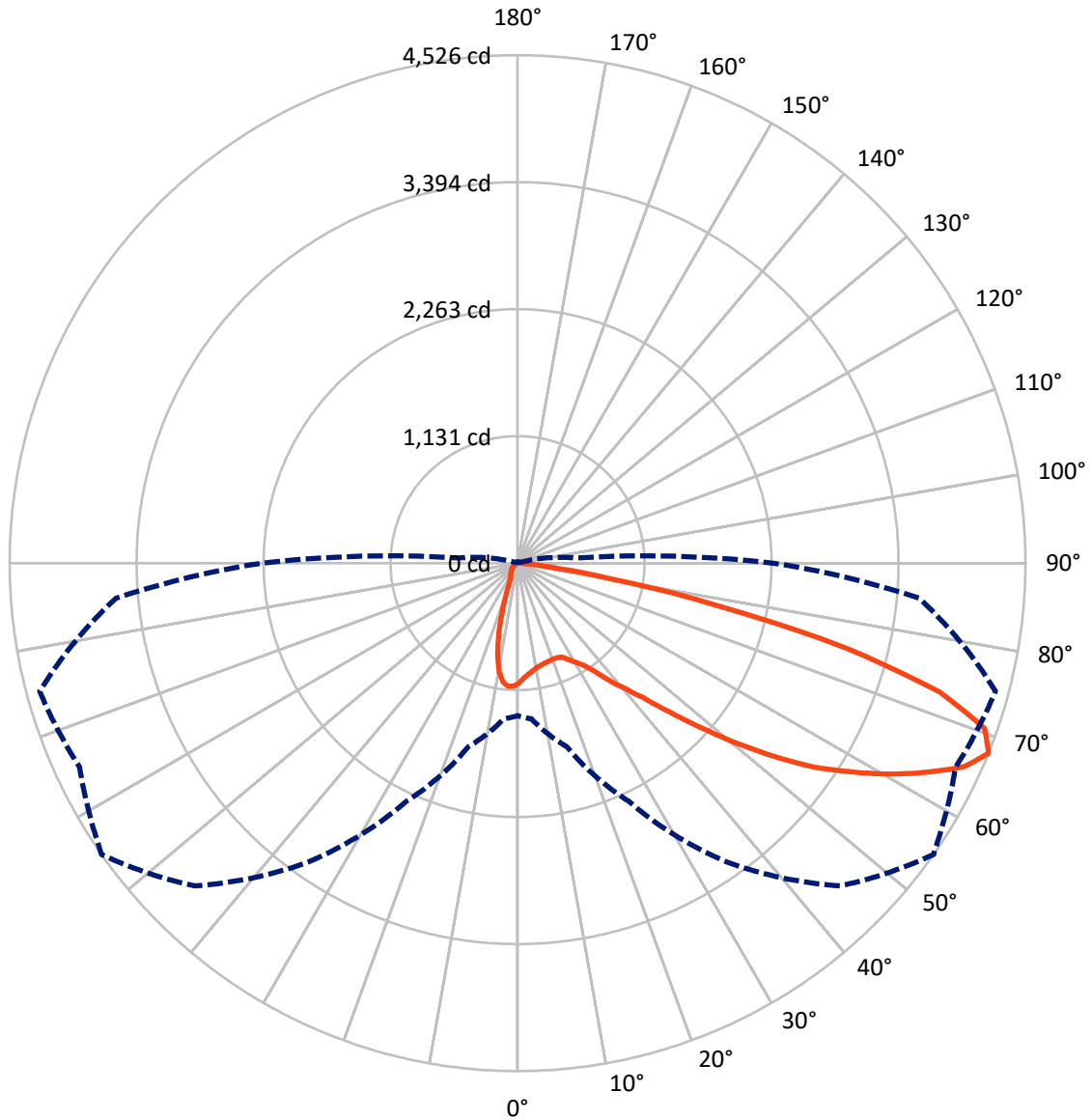
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 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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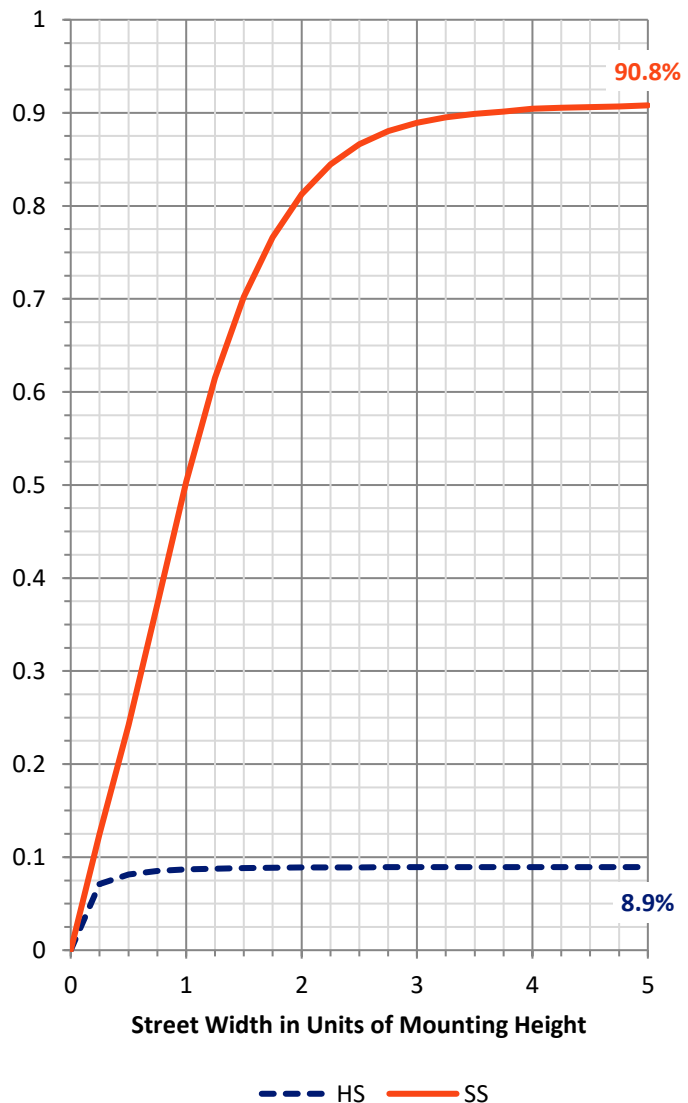
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	562.1	0.0	562.1
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	5695.1	0.0	5695.1
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	6257.2	0.0	6257.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.1	1.5
10°-20°	214.3	3.4
20°-30°	343.8	5.5
30°-40°	596.2	9.5
40°-50°	994.2	15.9
50°-60°	1453.8	23.2
60°-70°	1695.1	27.1
70°-80°	822.7	13.1
80°-90°	43.0	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°	6257.2	100.0
0°-180°	6257.2	100.0



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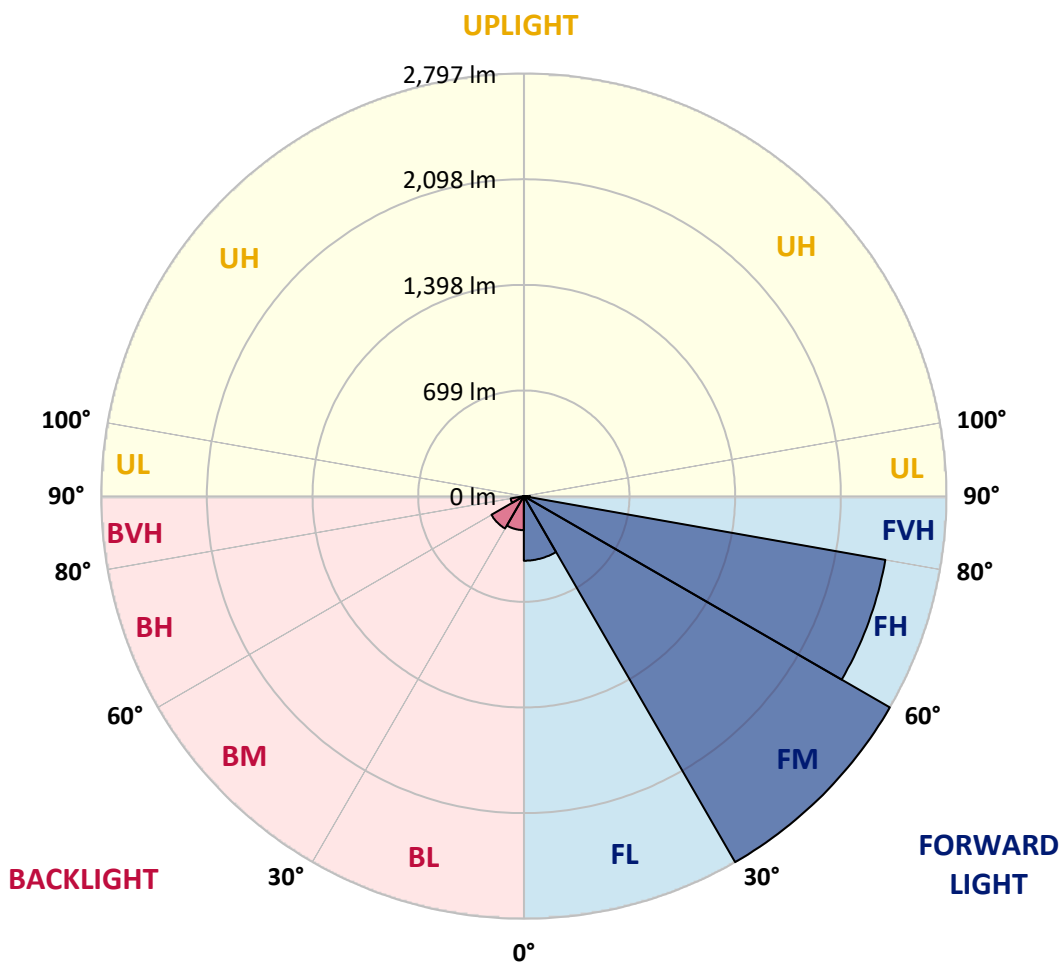
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.4	6.8			
FM (30°-60°)	2796.8	44.7			
FH (60°-80°)	2429.1	38.8			G2/5000
FVH (80°-90°)	41.8	0.7			G1/100
BL (0°-30°)	224.7	3.6	B1/500		
BM (30°-60°)	247.5	4.0	B1/1000		
BH (60°-80°)	88.7	1.4	B0/110		G0/110
BVH (80°-90°)	1.3	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°	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3
2.5°	989.9	996.2	1004.3	1007.2	1017.0	1030.8	1026.8	1023.9	1039.4	1060.8	1067.7
5°	928.2	928.8	941.4	950.7	967.4	980.6	995.1	993.9	1022.1	1058.5	1081.5
7.5°	867.6	868.8	882.1	896.5	920.7	946.6	968.5	967.4	1012.9	1061.4	1105.2
10°	788.1	793.9	810.0	835.4	873.4	914.3	944.9	947.8	1002.5	1072.3	1137.5
12.5°	724.1	727.0	744.8	777.7	822.7	876.3	933.4	931.6	1004.9	1092.5	1179.5
15°	697.0	695.3	706.2	730.4	781.7	849.2	921.8	925.9	1012.9	1115.5	1223.4
17.5°	703.3	701.6	707.4	716.0	752.3	826.7	915.5	922.4	1025.6	1139.8	1264.3
20°	773.7	761.6	751.2	742.0	747.2	808.3	911.5	919.0	1033.1	1158.2	1307.5
22.5°	909.2	894.2	866.5	815.2	781.2	809.4	912.6	922.4	1049.8	1188.2	1360.0
25°	1130.0	1115.5	1056.2	951.2	861.3	850.9	928.2	938.6	1088.4	1233.7	1415.9
27.5°	1422.2	1390.0	1317.9	1167.4	993.9	917.2	974.9	986.4	1143.2	1268.9	1454.0
30°	1665.0	1657.5	1588.3	1403.8	1176.7	1014.7	1027.3	1033.7	1168.0	1290.2	1492.0
32.5°	1916.9	1901.3	1837.9	1658.6	1388.8	1153.6	1086.1	1089.0	1200.3	1321.9	1547.3
35°	2136.0	2121.6	2068.5	1894.4	1636.7	1340.4	1183.6	1177.2	1267.2	1391.7	1622.3
37.5°	2338.9	2337.2	2290.5	2112.9	1859.2	1534.1	1327.1	1321.9	1371.5	1468.4	1723.8
40°	2537.2	2532.6	2492.8	2330.8	2078.3	1727.2	1463.8	1450.5	1460.3	1575.6	1857.5
42.5°	2658.9	2668.7	2682.5	2579.9	2338.3	1953.8	1636.7	1628.6	1626.9	1743.4	2033.3
45°	2724.6	2741.9	2823.2	2813.9	2613.9	2235.7	1882.9	1862.1	1855.2	1974.0	2234.5
47.5°	2788.6	2796.1	2929.2	2985.2	2877.9	2529.7	2180.4	2151.5	2123.3	2255.3	2474.9
50°	2792.6	2804.7	2969.6	3105.6	3099.3	2819.1	2514.2	2488.8	2456.5	2597.7	2709.6
52.5°	2736.1	2760.3	2964.4	3181.7	3236.5	3074.5	2860.6	2839.9	2813.4	2918.9	2907.3
55°	2345.8	2386.7	2862.9	3188.7	3332.8	3293.6	3208.8	3180.0	3154.1	3229.0	3101.0
57.5°	2160.2	2183.2	2555.1	3183.5	3455.6	3496.5	3510.9	3497.7	3461.4	3554.7	3303.4
60°	2048.9	2082.3	2408.1	3125.8	3588.2	3726.0	3816.5	3790.0	3745.6	3874.1	3520.2
62.5°	1915.7	1940.0	2261.6	2959.8	3667.2	3959.5	4103.0	4078.8	3987.1	4168.7	3695.4
65°	1670.1	1706.5	2028.7	2698.6	3561.1	4130.7	4372.8	4364.7	4205.6	4391.3	3743.3
67.5°	1359.4	1392.3	1692.6	2340.6	3250.9	4066.7	4525.6	4500.2	4304.8	4408.0	3591.6
70°	1020.4	1038.3	1264.9	1788.3	2663.5	3724.8	4414.9	4409.7	4154.3	4160.1	3126.4
72.5°	547.7	597.3	841.1	1196.8	1873.1	3016.9	3934.7	3913.9	3706.4	3407.2	2248.4
75°	191.4	205.8	447.9	672.2	1017.5	2009.7	3025.5	2977.1	2771.9	2216.1	1225.1
77.5°	117.6	129.1	198.9	343.6	396.1	872.3	1817.7	1754.9	1622.3	958.2	418.5
80°	81.3	91.7	133.2	179.9	134.9	282.5	836.5	812.9	625.5	228.3	96.3
82.5°	45.5	54.8	100.9	88.2	54.2	73.2	290.0	268.7	166.6	61.7	32.3
85°	26.5	31.7	70.9	62.3	27.7	25.9	75.5	67.5	43.2	23.1	15.6
87.5°	13.8	17.9	51.9	41.5	16.7	9.2	17.3	16.7	11.0	8.1	10.4
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°	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3	1072.3
2.5°	1080.4	1077.5	1092.5	1097.7	1096.5	1094.2	1100.0	1092.5	1091.9	1090.2	1088.4
5°	1100.0	1104.6	1116.7	1116.7	1100.6	1074.0	1057.9	1036.0	1017.5	1006.6	1004.9
7.5°	1129.4	1138.6	1146.7	1121.9	1066.5	1000.8	931.1	876.3	828.4	803.7	801.3
10°	1170.9	1179.5	1173.2	1102.3	983.5	847.5	733.9	619.7	562.7	531.5	531.5
12.5°	1220.5	1227.4	1188.8	1053.3	846.9	649.7	498.1	378.2	321.1	284.2	281.9
15°	1274.1	1275.8	1186.5	968.0	678.0	436.4	285.9	209.8	185.6	180.4	179.3
17.5°	1320.8	1313.9	1162.2	841.7	488.3	260.0	181.6	164.3	159.7	159.7	159.7
20°	1364.6	1341.5	1113.8	694.7	313.0	177.0	156.2	151.6	151.6	152.2	152.2
22.5°	1413.0	1367.5	1044.6	531.5	201.2	151.6	146.4	144.1	143.6	145.3	144.7
25°	1470.1	1392.8	945.5	367.2	155.7	141.2	138.9	136.6	136.6	136.6	136.6
27.5°	1501.8	1389.4	832.5	231.8	136.1	130.9	128.6	126.3	124.5	123.9	124.5
30°	1529.5	1369.2	684.9	162.0	122.8	117.0	115.3	112.4	109.0	107.8	107.8
32.5°	1565.8	1352.5	530.4	130.3	111.3	104.9	99.7	95.1	89.4	87.1	86.5
35°	1606.2	1321.9	388.6	114.7	100.9	92.8	84.7	77.3	69.8	67.5	66.9
37.5°	1656.3	1294.3	263.5	106.1	92.2	82.4	71.5	61.1	54.2	53.0	53.0
40°	1724.3	1271.2	182.2	98.6	84.2	72.6	59.4	48.4	43.8	42.7	42.7
42.5°	1817.2	1252.2	137.8	92.2	77.3	62.8	47.9	39.8	36.3	35.2	35.2
45°	1926.7	1222.8	116.5	86.5	70.3	53.0	39.8	33.4	31.7	31.7	31.7
47.5°	2052.4	1185.9	106.1	80.7	62.8	43.2	33.4	30.6	30.0	30.0	30.6
50°	2179.2	1142.1	98.6	73.8	54.2	36.9	30.6	28.8	28.8	29.4	29.4
52.5°	2265.1	1073.5	91.1	66.3	45.5	32.3	28.8	28.2	27.7	27.7	27.7
55°	2348.7	1013.5	80.7	58.2	38.0	30.0	27.7	27.1	27.1	26.5	26.5
57.5°	2435.7	966.2	67.5	48.4	32.3	28.2	26.5	26.5	25.4	24.8	24.8
60°	2536.6	924.7	51.9	38.0	28.2	26.5	24.8	24.2	23.1	21.9	21.9
62.5°	2566.0	837.1	39.2	30.6	24.2	23.1	22.5	21.3	18.4	16.1	16.7
65°	2489.4	699.3	31.1	24.2	19.6	19.6	17.9	15.0	12.1	10.4	10.4
67.5°	2277.8	522.3	25.4	19.0	15.6	15.0	12.7	11.0	7.5	6.3	6.3
70°	1877.1	345.3	20.8	15.0	12.7	10.4	8.6	8.1	5.8	4.6	4.6
72.5°	1315.6	187.4	17.3	12.1	9.2	6.9	5.8	5.2	4.0	3.5	2.9
75°	694.7	72.1	13.8	9.2	5.8	4.6	3.5	3.5	2.9	2.3	2.3
77.5°	238.1	30.6	9.8	5.2	4.0	2.9	2.3	1.7	2.3	1.7	1.7
80°	56.5	17.9	6.3	3.5	2.3	1.7	1.7	1.2	1.2	1.2	1.2
82.5°	24.8	10.4	4.0	2.3	2.3	1.7	1.2	0.6	0.6	0.6	0.6
85°	16.7	6.3	2.9	2.3	1.7	1.2	0.6	0.6	0.0	0.0	0.0
87.5°	13.3	4.0	2.3	2.3	1.7	1.2	0.6	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)