

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: P674667

Luminaire Tested: **CCP-SA-2D-722-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674667  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-722-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

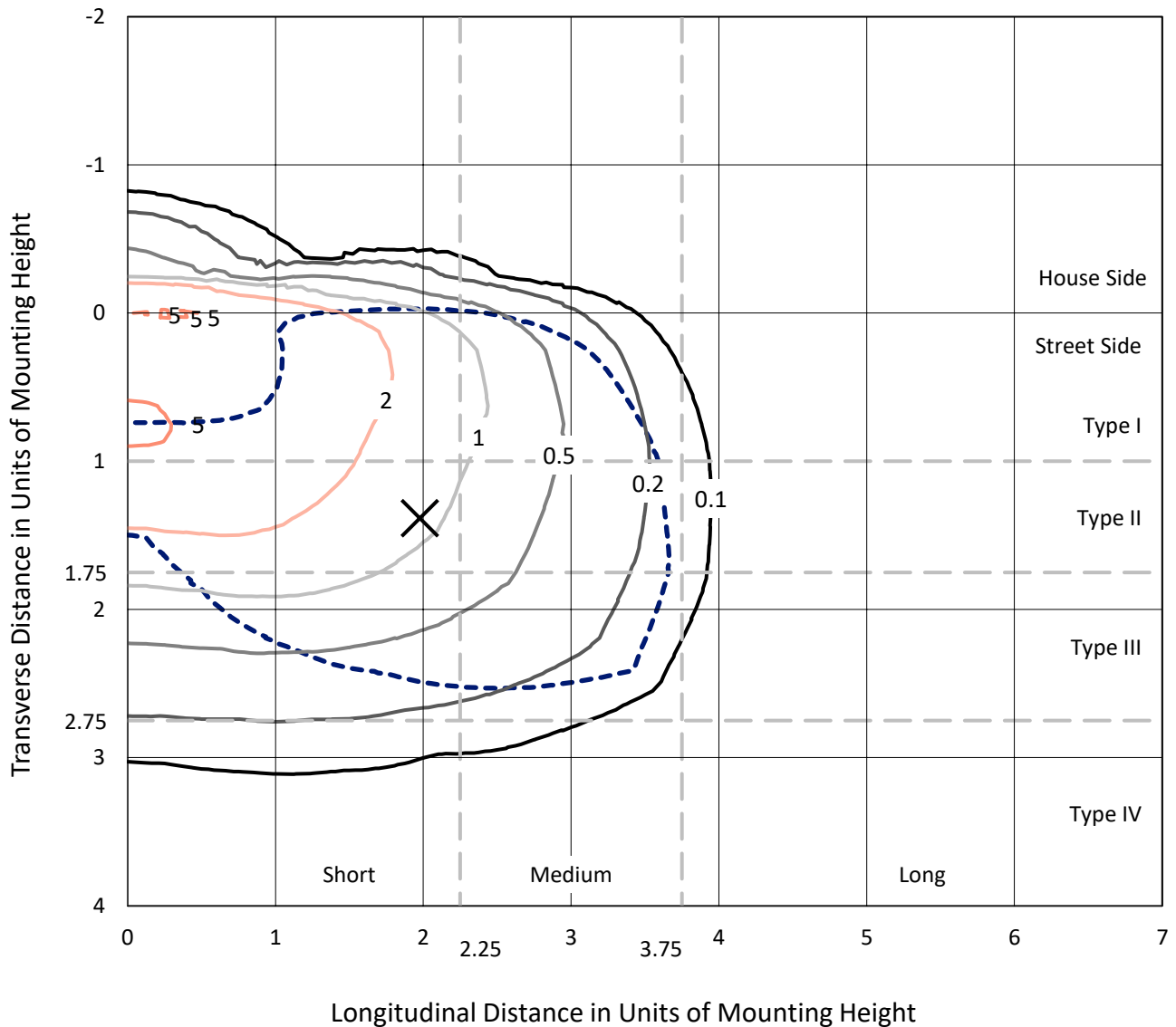
Lumens per Lamp: N/A  
Luminaire Lumens: 6515.3 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

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

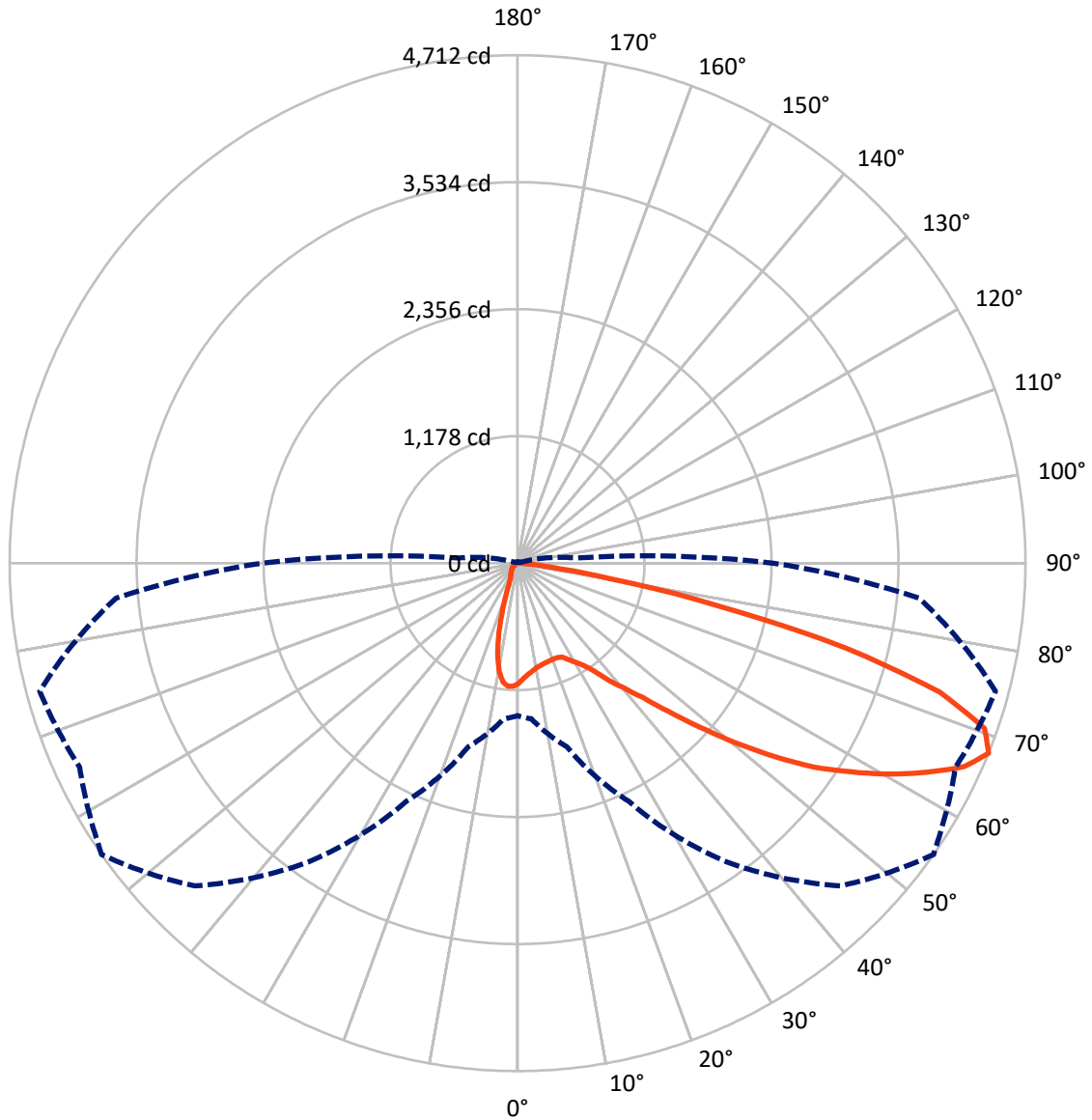
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 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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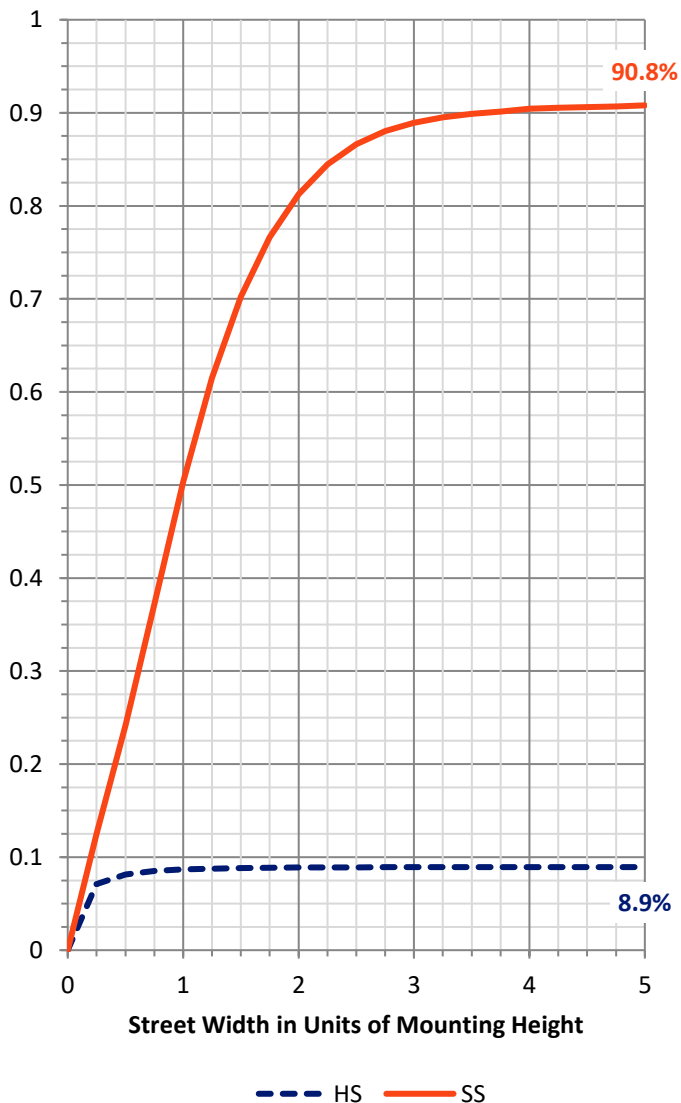
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	585.3	0.0	585.3
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	5930.0	0.0	5930.0
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	6515.3	0.0	6515.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.0	1.5
10°-20°	223.1	3.4
20°-30°	358.0	5.5
30°-40°	620.8	9.5
40°-50°	1035.2	15.9
50°-60°	1513.8	23.2
60°-70°	1765.1	27.1
70°-80°	856.6	13.1
80°-90°	44.8	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°	6515.3	100.0
0°-180°	6515.3	100.0



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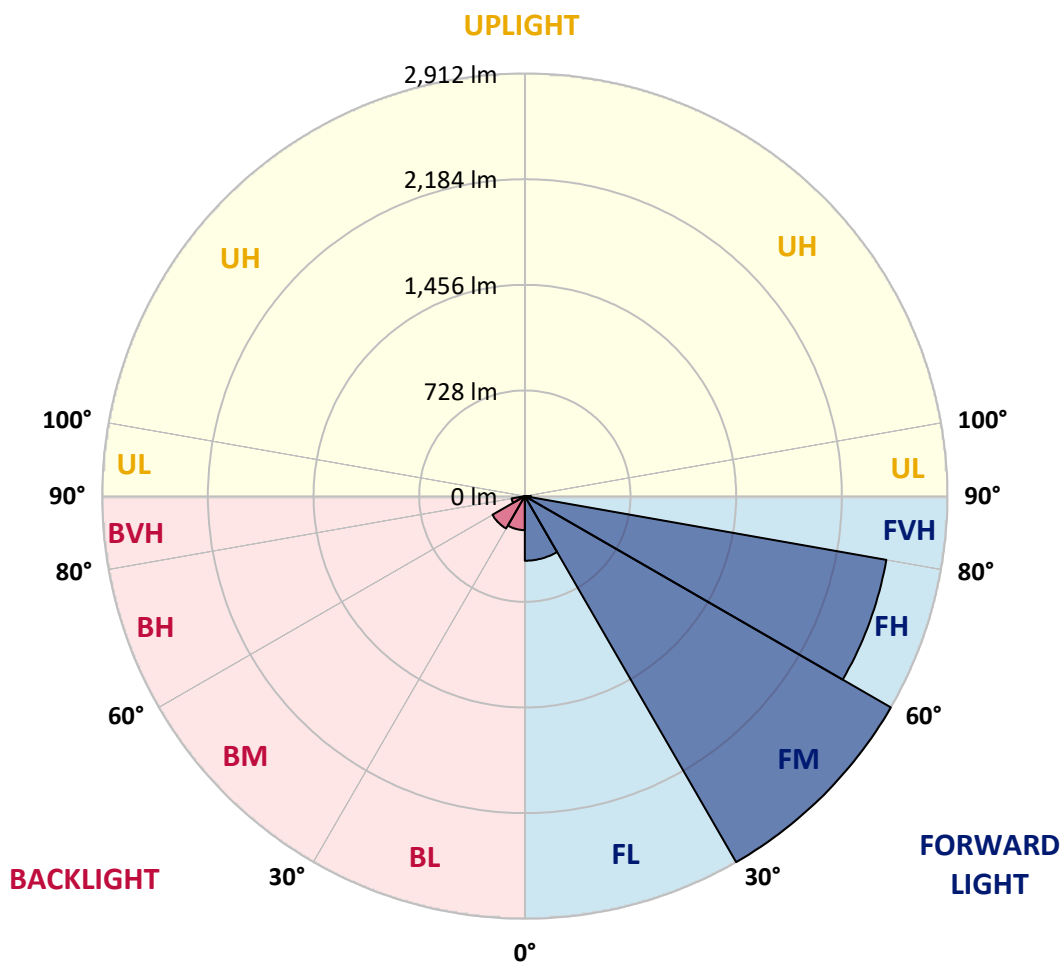
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.1	6.8			
FM (30°-60°)	2912.1	44.7			
FH (60°-80°)	2529.3	38.8			G2/5000
FVH (80°-90°)	43.5	0.7			G1/100
BL (0°-30°)	234.0	3.6	B1/500		
BM (30°-60°)	257.7	4.0	B1/1000		
BH (60°-80°)	92.3	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°	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5
2.5°	1030.7	1037.3	1045.7	1048.7	1058.9	1073.3	1069.1	1066.1	1082.3	1104.5	1111.7
5°	966.5	967.1	980.3	989.9	1007.3	1021.1	1036.1	1034.9	1064.3	1102.1	1126.2
7.5°	903.4	904.6	918.4	933.5	958.7	985.7	1008.5	1007.3	1054.7	1105.1	1150.8
10°	820.6	826.6	843.4	869.8	909.4	952.1	983.9	986.9	1043.9	1116.5	1184.4
12.5°	754.0	757.0	775.6	809.8	856.6	912.4	971.9	970.1	1046.3	1137.6	1228.2
15°	725.8	724.0	735.4	760.6	814.0	884.2	959.9	964.1	1054.7	1161.6	1273.8
17.5°	732.4	730.6	736.6	745.6	783.4	860.8	953.3	960.5	1067.9	1186.8	1316.4
20°	805.6	793.0	782.2	772.6	778.0	841.6	949.1	956.9	1075.7	1206.0	1361.5
22.5°	946.7	931.1	902.2	848.8	813.4	842.8	950.3	960.5	1093.1	1237.2	1416.1
25°	1176.6	1161.6	1099.7	990.5	896.8	886.0	966.5	977.3	1133.4	1284.6	1474.3
27.5°	1480.9	1447.3	1372.3	1215.6	1034.9	955.1	1015.1	1027.1	1190.4	1321.2	1513.9
30°	1733.6	1725.8	1653.8	1461.7	1225.2	1056.5	1069.7	1076.3	1216.2	1343.5	1553.6
32.5°	1996.0	1979.8	1913.7	1727.0	1446.1	1201.2	1131.0	1134.0	1249.8	1376.5	1611.2
35°	2224.1	2209.1	2153.9	1972.6	1704.2	1395.7	1232.4	1225.8	1319.4	1449.1	1689.2
37.5°	2435.4	2433.6	2385.0	2200.1	1935.9	1597.4	1381.9	1376.5	1428.1	1528.9	1794.9
40°	2641.9	2637.1	2595.7	2427.0	2164.1	1798.5	1524.1	1510.3	1520.5	1640.6	1934.1
42.5°	2768.6	2778.8	2793.2	2686.3	2434.8	2034.4	1704.2	1695.8	1694.0	1815.3	2117.2
45°	2837.0	2855.0	2939.6	2930.0	2721.7	2327.9	1960.6	1938.9	1931.7	2055.4	2326.7
47.5°	2903.6	2911.4	3050.1	3108.3	2996.7	2634.1	2270.3	2240.3	2210.9	2348.3	2577.1
50°	2907.8	2920.4	3092.1	3233.8	3227.2	2935.4	2617.9	2591.5	2557.9	2704.9	2821.4
52.5°	2849.0	2874.2	3086.7	3313.0	3370.0	3201.4	2978.7	2957.0	2929.4	3039.3	3027.3
55°	2442.6	2485.2	2981.1	3320.2	3470.3	3429.5	3341.2	3311.2	3284.2	3362.2	3229.0
57.5°	2249.3	2273.3	2660.5	3314.8	3598.2	3640.8	3655.8	3642.0	3604.2	3701.4	3439.7
60°	2133.4	2168.3	2507.4	3254.8	3736.2	3879.7	3973.9	3946.3	3900.1	4034.0	3665.4
62.5°	1994.8	2020.0	2355.0	3081.9	3818.5	4122.8	4272.3	4247.1	4151.6	4340.7	3847.9
65°	1739.1	1776.9	2112.4	2810.0	3708.0	4301.1	4553.2	4544.8	4379.1	4572.4	3897.7
67.5°	1415.5	1449.7	1762.5	2437.2	3385.1	4234.5	4712.3	4685.9	4482.4	4589.8	3739.8
70°	1062.5	1081.1	1317.0	1862.1	2773.4	3878.5	4597.0	4591.6	4325.7	4331.7	3255.4
72.5°	570.3	621.9	875.8	1246.2	1950.4	3141.3	4097.0	4075.4	3859.3	3547.7	2341.1
75°	199.3	214.3	466.4	699.9	1059.5	2092.6	3150.3	3099.9	2886.2	2307.5	1275.6
77.5°	122.5	134.5	207.1	357.8	412.4	908.2	1892.7	1827.3	1689.2	997.7	435.8
80°	84.6	95.4	138.7	187.3	140.5	294.1	871.0	846.4	651.3	237.7	100.2
82.5°	47.4	57.0	105.1	91.8	56.4	76.2	301.9	279.7	173.5	64.2	33.6
85°	27.6	33.0	73.8	64.8	28.8	27.0	78.6	70.2	45.0	24.0	16.2
87.5°	14.4	18.6	54.0	43.2	17.4	9.6	18.0	17.4	11.4	8.4	10.8
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°	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5
2.5°	1125.0	1121.9	1137.6	1143.0	1141.8	1139.4	1145.4	1137.6	1137.0	1135.2	1133.4
5°	1145.4	1150.2	1162.8	1162.8	1146.0	1118.3	1101.5	1078.7	1059.5	1048.1	1046.3
7.5°	1176.0	1185.6	1194.0	1168.2	1110.5	1042.1	969.5	912.4	862.6	836.8	834.4
10°	1219.2	1228.2	1221.6	1147.8	1024.1	882.4	764.2	645.3	585.9	553.5	553.5
12.5°	1270.8	1278.0	1237.8	1096.7	881.8	676.5	518.7	393.8	334.4	295.9	293.5
15°	1326.6	1328.4	1235.4	1007.9	705.9	454.4	297.7	218.5	193.3	187.9	186.7
17.5°	1375.3	1368.1	1210.2	876.4	508.4	270.7	189.1	171.1	166.3	166.3	166.3
20°	1420.9	1396.9	1159.8	723.4	326.0	184.3	162.7	157.9	157.9	158.5	158.5
22.5°	1471.3	1423.9	1087.7	553.5	209.5	157.9	152.5	150.1	149.5	151.3	150.7
25°	1530.7	1450.3	984.5	382.4	162.1	147.1	144.7	142.3	142.3	142.3	142.3
27.5°	1563.8	1446.7	866.8	241.3	141.7	136.3	133.9	131.5	129.7	129.1	129.7
30°	1592.6	1425.7	713.1	168.7	127.9	121.9	120.1	117.1	113.5	112.3	112.3
32.5°	1630.4	1408.3	552.3	135.7	115.9	109.3	103.9	99.0	93.0	90.6	90.0
35°	1672.4	1376.5	404.6	119.5	105.1	96.6	88.2	80.4	72.6	70.2	69.6
37.5°	1724.6	1347.7	274.3	110.5	96.0	85.8	74.4	63.6	56.4	55.2	55.2
40°	1795.5	1323.6	189.7	102.7	87.6	75.6	61.8	50.4	45.6	44.4	44.4
42.5°	1892.1	1303.8	143.5	96.0	80.4	65.4	49.8	41.4	37.8	36.6	36.6
45°	2006.2	1273.2	121.3	90.0	73.2	55.2	41.4	34.8	33.0	33.0	33.0
47.5°	2137.0	1234.8	110.5	84.0	65.4	45.0	34.8	31.8	31.2	31.2	31.8
50°	2269.1	1189.2	102.7	76.8	56.4	38.4	31.8	30.0	30.0	30.6	30.6
52.5°	2358.6	1117.7	94.8	69.0	47.4	33.6	30.0	29.4	28.8	28.8	28.8
55°	2445.6	1055.3	84.0	60.6	39.6	31.2	28.8	28.2	28.2	27.6	27.6
57.5°	2536.2	1006.1	70.2	50.4	33.6	29.4	27.6	27.6	26.4	25.8	25.8
60°	2641.3	962.9	54.0	39.6	29.4	27.6	25.8	25.2	24.0	22.8	22.8
62.5°	2671.9	871.6	40.8	31.8	25.2	24.0	23.4	22.2	19.2	16.8	17.4
65°	2592.1	728.2	32.4	25.2	20.4	20.4	18.6	15.6	12.6	10.8	10.8
67.5°	2371.8	543.9	26.4	19.8	16.2	15.6	13.2	11.4	7.8	6.6	6.6
70°	1954.6	359.6	21.6	15.6	13.2	10.8	9.0	8.4	6.0	4.8	4.8
72.5°	1369.9	195.1	18.0	12.6	9.6	7.2	6.0	5.4	4.2	3.6	3.0
75°	723.4	75.0	14.4	9.6	6.0	4.8	3.6	3.6	3.0	2.4	2.4
77.5°	247.9	31.8	10.2	5.4	4.2	3.0	2.4	1.8	2.4	1.8	1.8
80°	58.8	18.6	6.6	3.6	2.4	1.8	1.8	1.2	1.2	1.2	1.2
82.5°	25.8	10.8	4.2	2.4	2.4	1.8	1.2	0.6	0.6	0.6	0.6
85°	17.4	6.6	3.0	2.4	1.8	1.2	0.6	0.6	0.0	0.0	0.0
87.5°	13.8	4.2	2.4	2.4	1.8	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)