

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: P672088

Luminaire Tested: **CCP-SA-1A-730-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672088  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-730-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

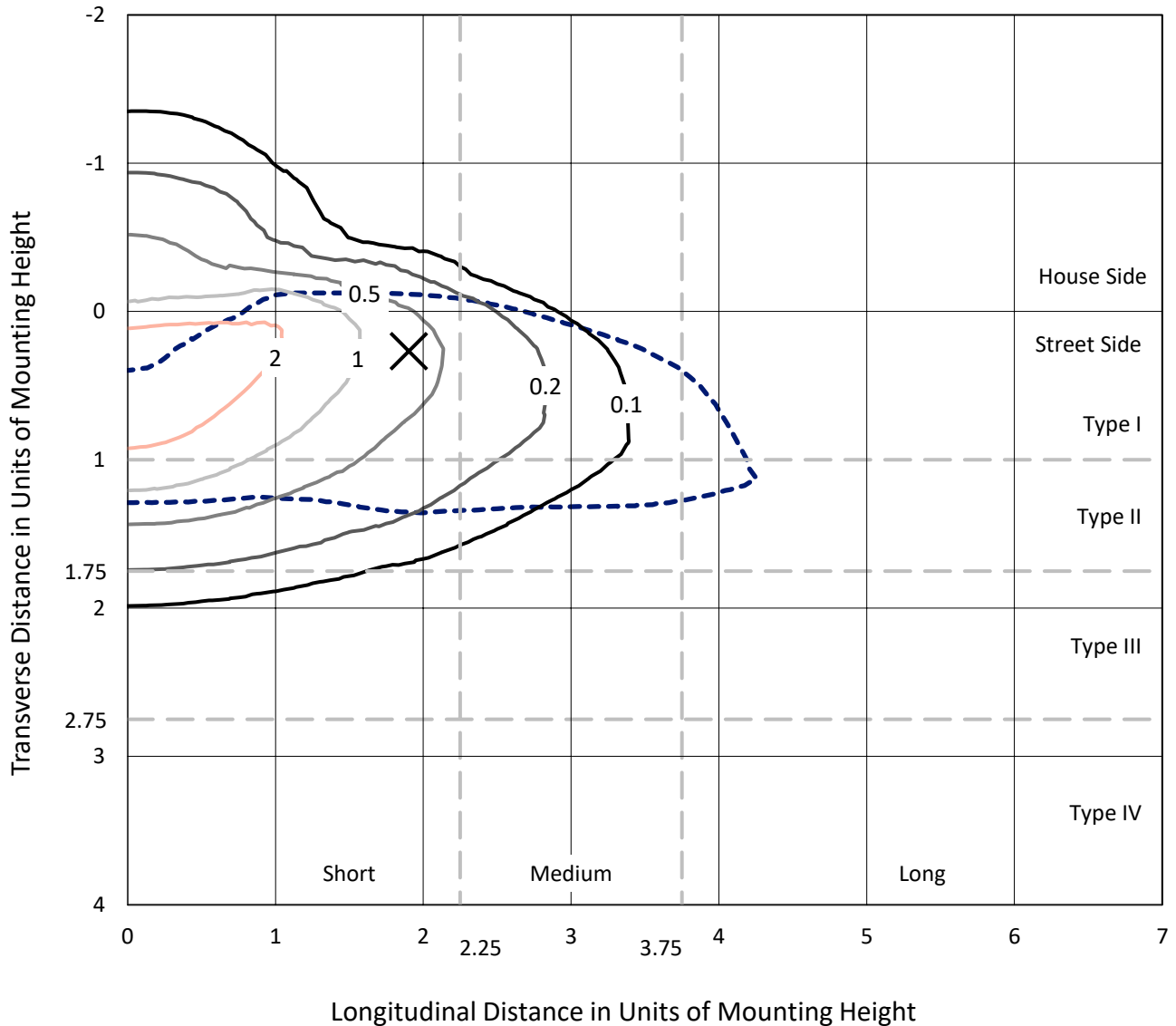
Lumens per Lamp: N/A  
Luminaire Lumens: 2530.5 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 18  
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

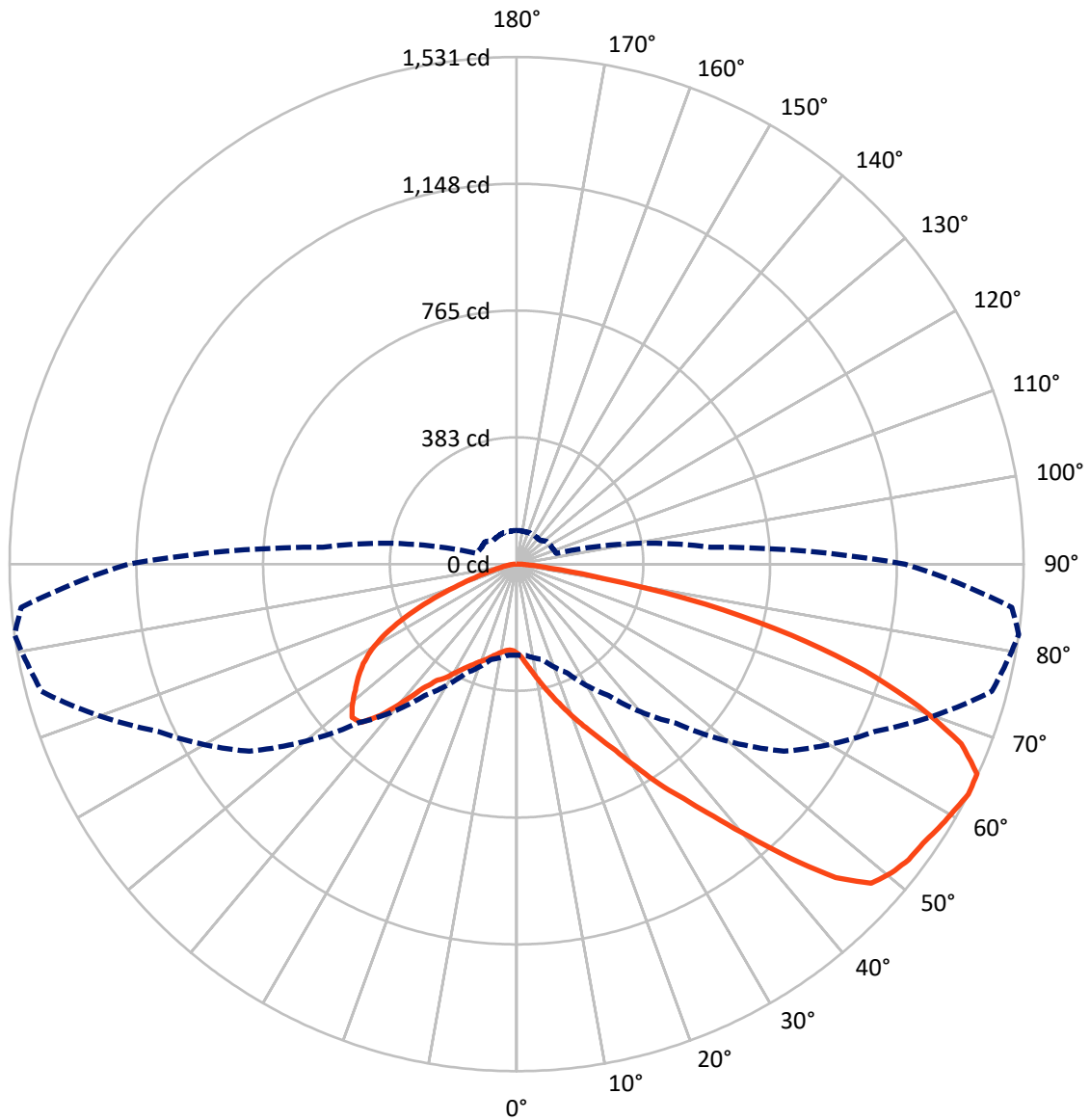
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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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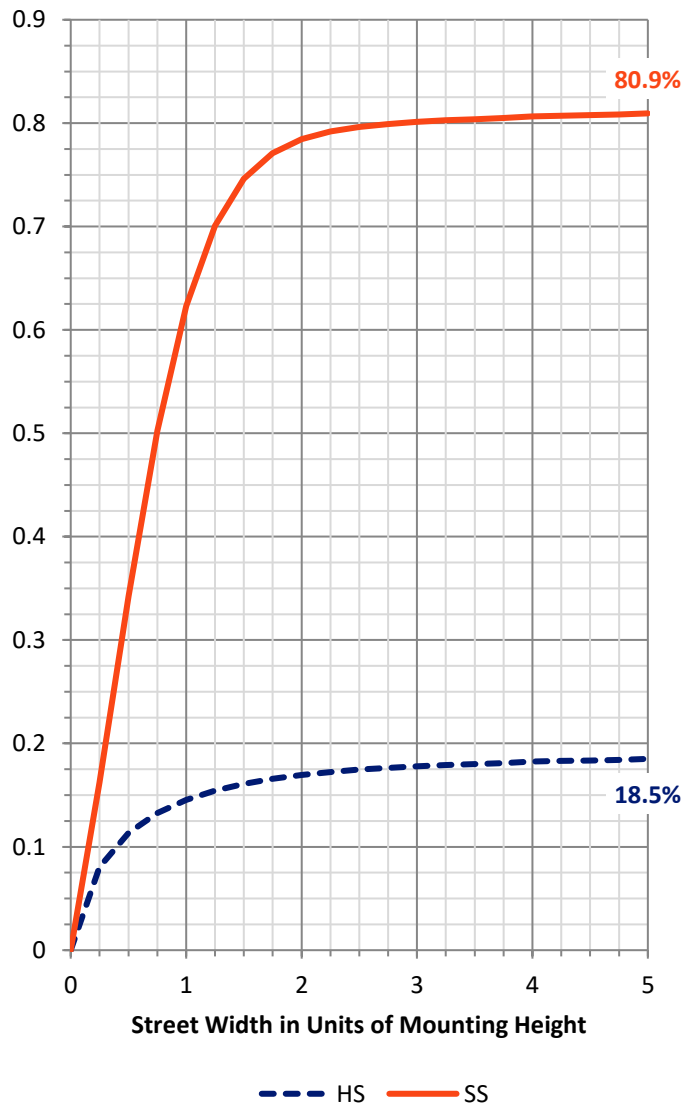
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	476.7	0.0	476.7
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	2053.8	0.0	2053.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	2530.5	0.0	2530.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.8	1.2
10°-20°	112.3	4.4
20°-30°	232.6	9.2
30°-40°	394.8	15.6
40°-50°	537.6	21.2
50°-60°	544.2	21.5
60°-70°	428.9	16.9
70°-80°	211.3	8.3
80°-90°	39.1	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°	2530.5	100.0
0°-180°	2530.5	100.0



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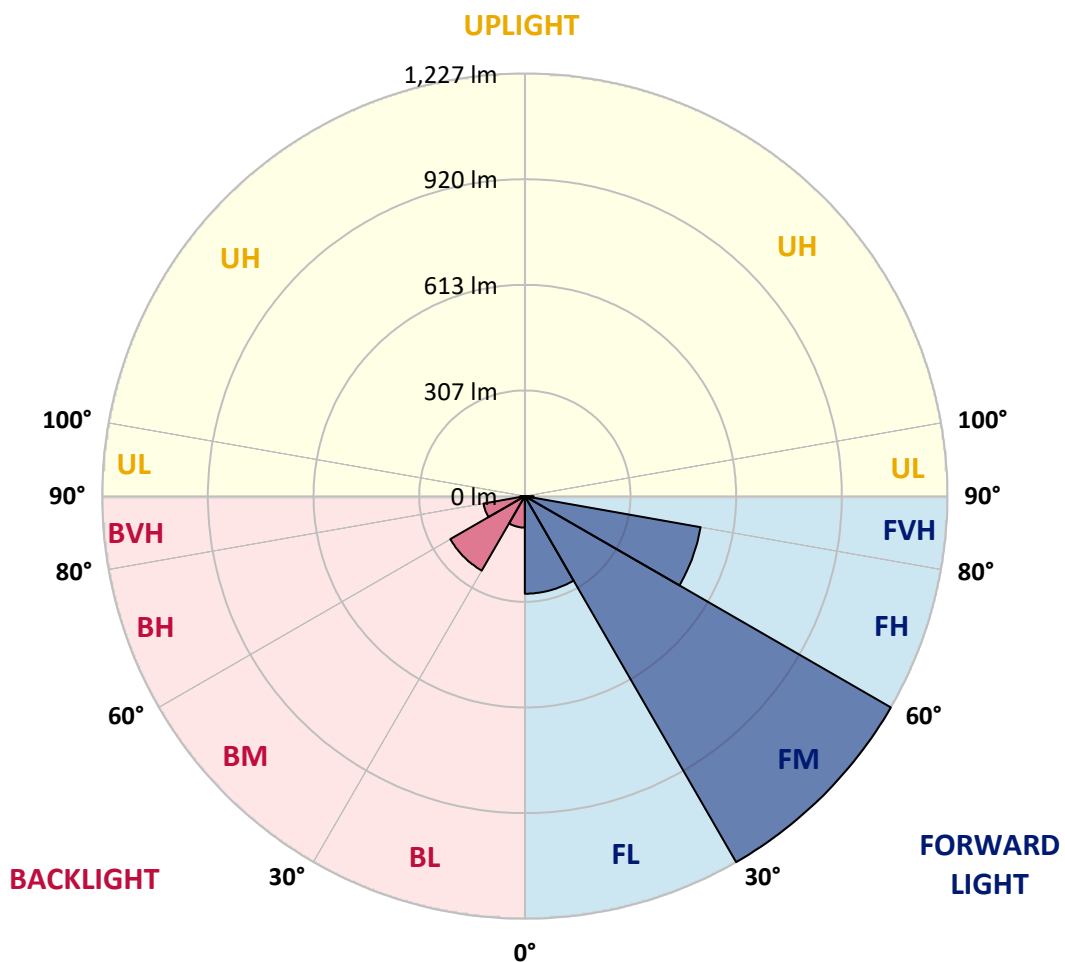
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.2	11.2			
FM (30°-60°)	1226.9	48.5			
FH (60°-80°)	518.3	20.5			G0/660
FVH (80°-90°)	25.4	1.0			G1/100
BL (0°-30°)	91.5	3.6	B0/110		
BM (30°-60°)	249.7	9.9	B1/1000		
BH (60°-80°)	121.9	4.8	B1/500		G1/500
BVH (80°-90°)	13.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1
2.5°	358.4	352.9	350.0	346.7	337.6	331.8	320.8	308.1	293.3	280.8	278.4
5°	434.0	428.5	429.3	421.2	407.9	395.5	375.1	351.1	323.0	301.5	294.1
7.5°	487.4	481.4	482.8	479.5	468.8	455.1	429.3	398.3	357.3	325.4	313.4
10°	523.1	523.8	524.9	523.6	516.7	507.0	481.4	447.1	396.1	353.6	337.2
12.5°	563.5	565.5	565.2	565.7	562.1	554.4	529.3	497.0	437.4	384.1	362.7
15°	615.1	613.1	614.7	617.1	613.1	604.7	582.5	544.2	480.8	418.0	391.5
17.5°	671.6	667.4	671.8	669.4	666.5	661.0	636.6	595.8	525.6	454.6	423.6
20°	720.4	717.7	720.0	720.4	720.9	719.9	694.7	651.3	572.6	494.5	458.2
22.5°	775.2	774.0	773.6	773.8	774.3	775.6	758.5	712.2	624.7	536.4	495.6
25°	851.9	850.7	842.3	833.0	827.5	831.5	822.6	781.3	682.3	583.4	536.6
27.5°	937.9	935.9	924.8	901.3	883.8	886.7	885.8	857.4	748.6	637.3	585.8
30°	1027.2	1022.3	1007.0	974.0	946.5	941.4	944.0	934.5	832.1	708.9	654.3
32.5°	1106.8	1097.7	1077.5	1044.2	1011.4	996.6	997.0	1001.2	922.8	792.4	726.0
35°	1155.5	1149.5	1134.3	1100.6	1064.0	1054.2	1051.4	1072.4	1006.1	869.6	790.4
37.5°	1181.7	1175.9	1159.7	1132.5	1104.8	1100.8	1105.9	1138.4	1100.6	966.0	877.8
40°	1177.0	1170.8	1160.2	1141.3	1123.0	1126.1	1148.7	1198.8	1203.9	1081.3	1002.4
42.5°	1138.0	1131.4	1130.5	1129.2	1120.7	1134.3	1175.2	1243.1	1298.9	1214.5	1153.3
45°	1069.1	1065.1	1069.8	1091.7	1102.5	1128.9	1187.5	1264.6	1382.3	1349.9	1296.0
47.5°	981.8	979.5	990.2	1024.8	1059.6	1112.1	1195.7	1270.4	1439.7	1439.7	1389.4
50°	884.2	883.3	897.5	947.8	1002.3	1081.3	1194.8	1275.9	1464.8	1466.1	1422.4
52.5°	747.9	752.6	790.5	856.9	930.8	1033.0	1182.1	1291.2	1479.1	1482.0	1444.4
55°	590.9	595.4	652.6	741.9	836.6	974.4	1144.0	1286.7	1481.8	1488.3	1457.0
57.5°	471.7	472.6	508.3	614.4	731.7	899.3	1100.1	1256.4	1473.8	1502.4	1476.3
60°	369.1	372.0	395.9	479.9	610.0	802.6	1051.1	1226.5	1478.3	1515.7	1493.8
62.5°	274.9	275.7	297.9	362.9	484.6	679.2	984.6	1194.7	1484.7	1530.6	1500.9
65°	179.1	178.9	200.4	259.1	362.0	546.0	880.2	1144.7	1485.3	1527.3	1468.3
67.5°	113.9	114.6	123.9	160.9	242.3	412.1	738.1	1052.0	1459.4	1447.9	1349.5
70°	92.4	92.6	95.5	105.1	147.6	281.7	554.8	907.0	1377.6	1289.6	1173.0
72.5°	82.4	82.5	84.0	85.1	98.4	169.3	364.0	736.4	1232.2	1099.2	973.1
75°	74.0	74.0	74.9	73.8	80.7	106.2	206.6	553.7	1014.8	856.0	735.2
77.5°	64.9	64.7	64.7	64.1	69.8	77.6	103.5	386.4	731.0	583.8	476.8
80°	55.0	54.7	55.2	54.8	60.3	58.8	60.3	238.5	396.3	267.6	203.0
82.5°	42.8	42.8	44.5	44.8	49.7	42.6	42.5	113.1	150.5	100.0	74.9
85°	22.4	25.1	33.9	35.3	37.5	26.8	31.2	52.8	60.3	38.3	27.3
87.5°	6.7	7.1	20.8	23.3	23.1	13.5	19.1	25.5	28.2	16.9	11.1
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°	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1	269.1
2.5°	272.4	266.0	252.5	240.5	231.4	222.6	216.6	213.5	209.5	210.1	208.8
5°	280.8	267.6	243.8	224.5	211.5	201.7	195.7	192.6	189.7	188.2	189.3
7.5°	293.3	272.9	239.6	216.3	202.8	194.4	191.1	190.2	189.5	188.9	189.8
10°	309.5	282.2	238.9	213.4	201.0	195.9	194.6	194.0	193.3	192.6	193.1
12.5°	326.1	292.4	241.4	214.1	203.9	200.0	198.4	197.7	195.9	194.9	195.1
15°	346.9	304.8	244.9	217.0	207.7	202.8	200.6	198.6	195.7	194.4	194.9
17.5°	369.1	319.6	249.6	219.7	209.2	203.1	198.8	195.9	192.9	191.1	191.3
20°	394.3	334.1	253.8	220.6	208.4	200.0	194.8	191.3	187.5	185.5	184.9
22.5°	420.3	349.4	257.1	219.9	204.4	194.8	188.8	184.6	180.0	176.9	177.1
25°	452.0	370.2	259.8	217.4	199.1	187.8	181.1	175.8	171.1	168.2	168.3
27.5°	490.1	393.7	263.1	213.4	192.8	180.4	172.5	167.3	162.7	160.0	159.6
30°	540.9	424.3	266.7	208.4	184.7	172.2	164.5	159.1	154.7	152.1	152.1
32.5°	598.1	461.7	269.3	202.6	175.8	163.4	156.5	152.1	148.9	145.4	145.0
35°	647.9	490.7	277.1	198.0	168.0	155.2	150.5	147.4	142.5	139.2	138.7
37.5°	720.9	541.7	300.3	196.8	158.5	148.9	147.9	142.1	136.5	130.3	129.7
40°	838.6	630.0	327.2	190.6	148.7	145.4	144.5	136.6	123.3	119.5	118.8
42.5°	988.4	736.4	330.1	172.5	141.7	142.5	139.7	124.4	118.6	115.7	115.0
45°	1123.6	822.8	313.6	154.1	136.6	138.1	132.5	119.9	116.6	113.9	113.1
47.5°	1199.6	849.4	282.2	140.3	132.8	134.3	120.8	117.7	114.4	111.7	111.0
50°	1220.9	826.3	245.8	132.3	129.9	130.5	117.7	115.9	113.0	110.8	109.7
52.5°	1225.1	791.6	212.1	127.5	127.7	122.8	115.0	113.5	111.7	108.2	106.9
55°	1226.9	760.5	181.8	124.6	126.3	113.0	112.0	111.0	109.5	105.9	105.1
57.5°	1231.6	720.6	158.1	122.4	124.4	108.4	108.8	108.0	106.2	104.6	104.2
60°	1218.2	665.4	139.9	120.2	121.9	104.6	104.9	105.3	103.7	103.3	103.1
62.5°	1173.0	587.0	124.4	117.3	116.6	100.8	100.8	102.2	100.8	101.3	101.3
65°	1079.9	487.2	110.6	111.9	108.4	96.6	96.4	98.9	96.7	99.1	99.3
67.5°	921.2	368.8	96.4	103.3	99.8	92.2	92.9	94.9	92.0	96.9	96.9
70°	729.1	250.9	81.6	91.3	91.1	87.3	89.6	89.5	86.2	93.5	92.2
72.5°	543.1	161.1	66.5	76.5	79.6	82.0	86.4	82.5	79.4	83.6	79.8
75°	379.5	100.9	52.5	60.5	66.3	76.2	82.4	74.7	70.1	68.9	67.8
77.5°	227.2	64.5	41.4	46.1	51.7	69.2	77.3	66.5	59.6	58.8	56.7
80°	104.8	42.1	31.5	34.4	36.8	59.4	70.3	56.8	48.5	47.7	45.2
82.5°	47.4	27.7	23.5	24.6	24.8	47.2	59.4	45.0	37.0	59.9	51.9
85°	22.0	17.9	15.3	14.6	14.8	31.5	43.2	31.0	42.1	32.8	25.0
87.5°	9.5	9.1	7.8	6.2	5.6	6.7	16.6	12.9	18.4	7.3	4.9
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)