

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: P674614

Luminaire Tested: **CCP-SA-1B-835-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674614  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-835-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

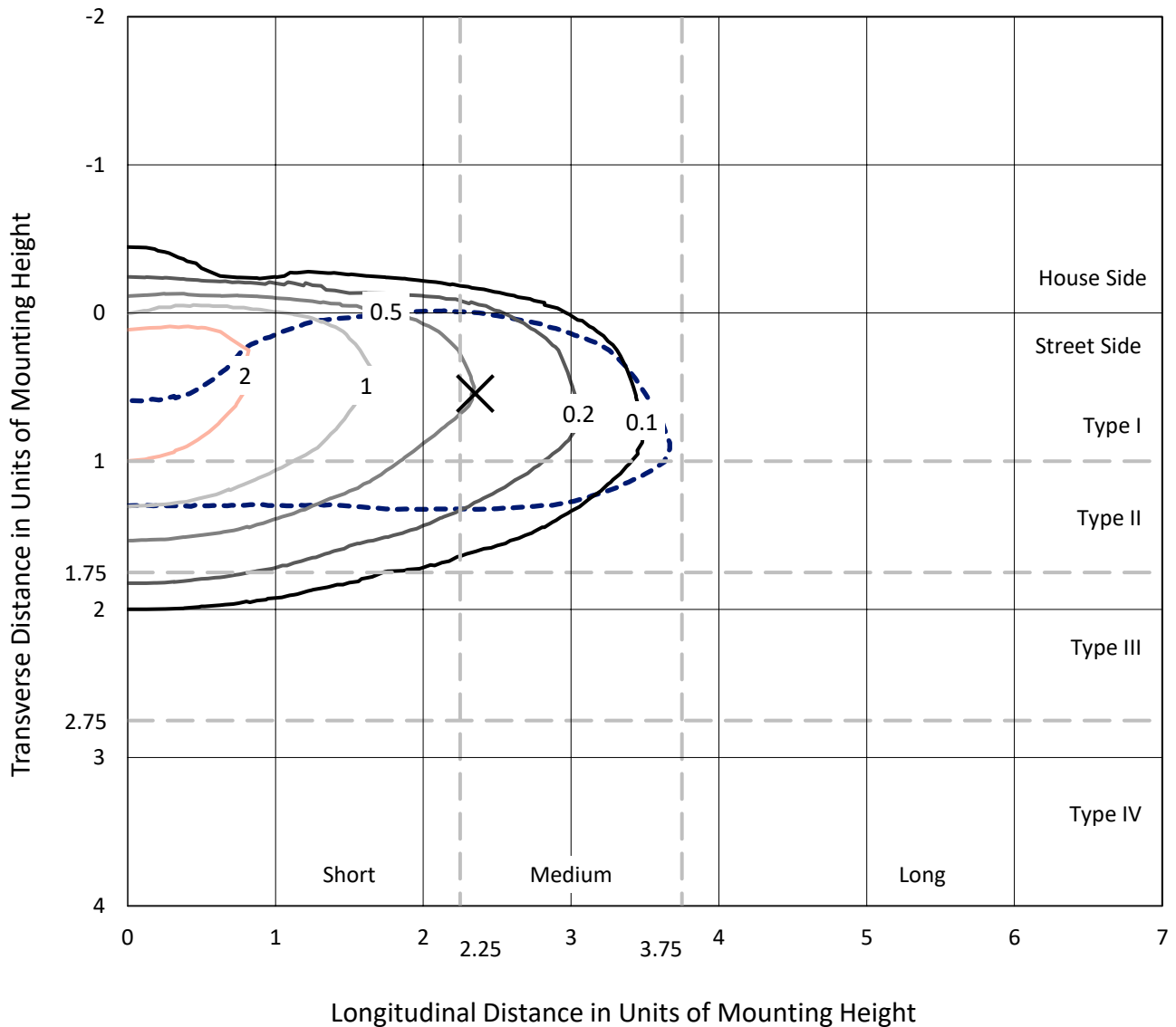
Lumens per Lamp: N/A  
Luminaire Lumens: 2304.2 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G0

Input Watts (W): 24  
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

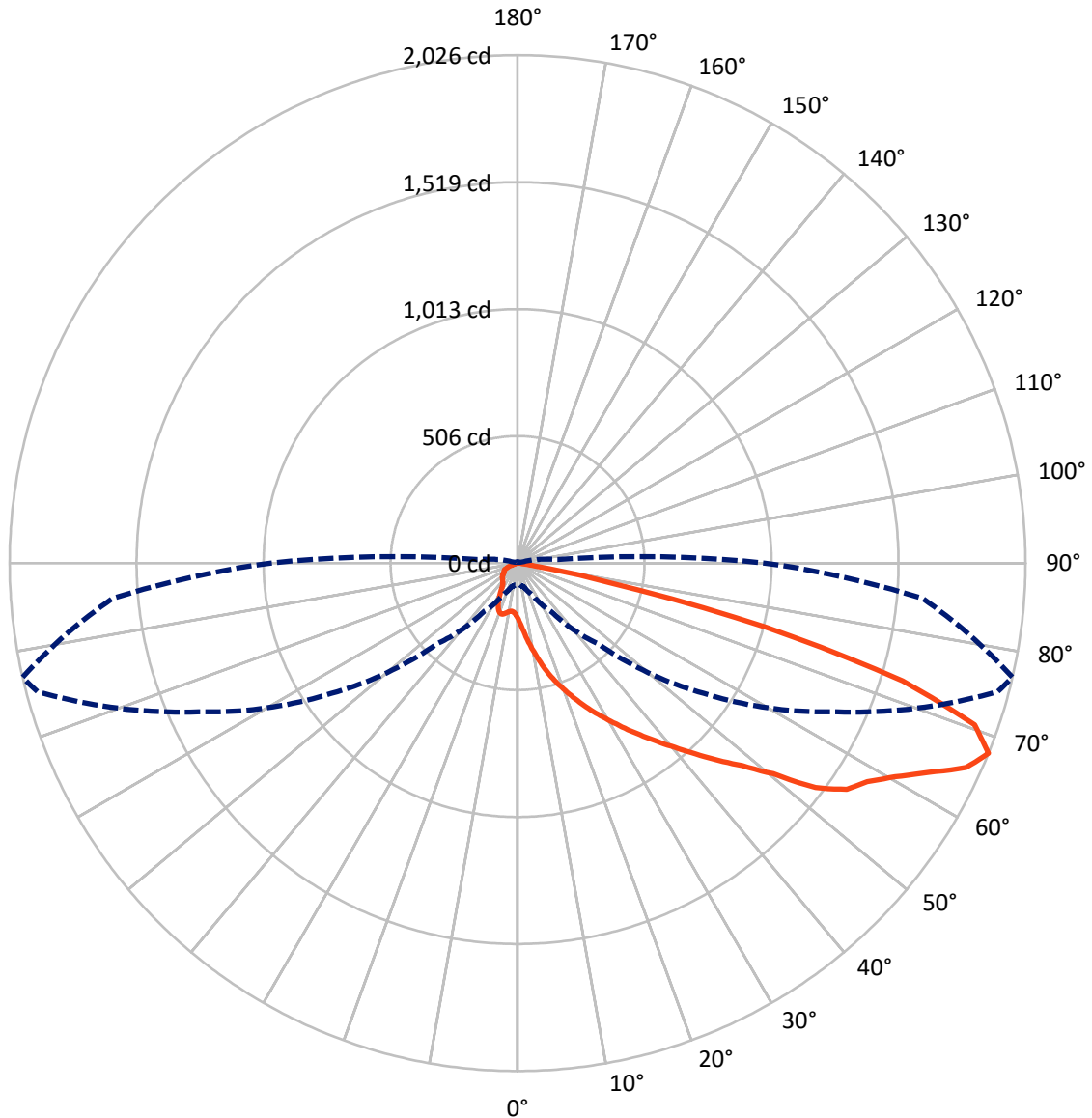
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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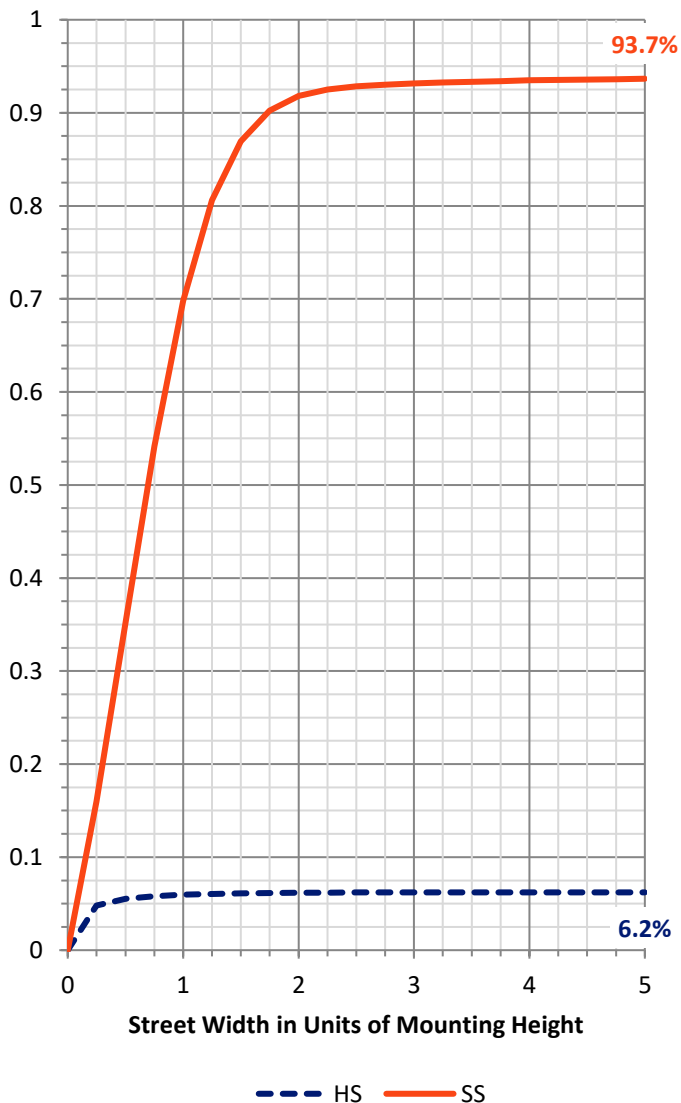
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	144.0	0.0	144.0
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	2160.2	0.0	2160.2
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	2304.2	0.0	2304.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.9	1.1
10°-20°	95.9	4.2
20°-30°	187.4	8.1
30°-40°	327.6	14.2
40°-50°	477.8	20.7
50°-60°	558.7	24.2
60°-70°	452.9	19.7
70°-80°	170.1	7.4
80°-90°	7.7	0.3
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°	2304.2	100.0
0°-180°	2304.2	100.0



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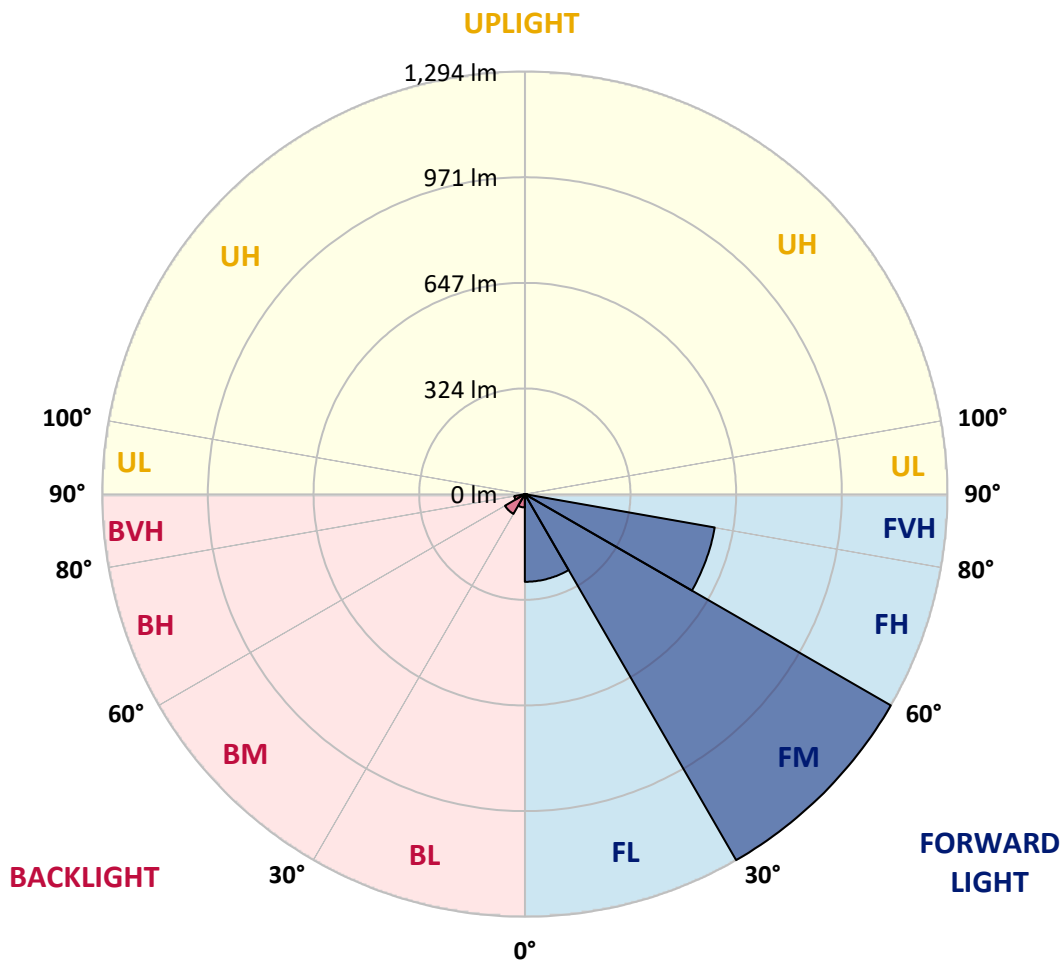
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.4	11.6			
FM (30°-60°)	1294.1	56.2			
FH (60°-80°)	590.4	25.6			G0/660
FVH (80°-90°)	7.3	0.3			G0/10
BL (0°-30°)	40.8	1.8	B0/110		
BM (30°-60°)	70.1	3.0	B0/220		
BH (60°-80°)	32.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7
2.5°	331.4	319.3	321.6	316.6	310.1	295.2	279.4	263.6	249.4	246.3	232.1
5°	424.3	420.6	416.6	413.3	399.8	381.1	352.6	316.4	283.7	278.1	248.8
7.5°	496.5	490.9	494.4	484.3	470.1	452.0	415.8	377.1	326.8	318.5	272.9
10°	549.8	546.7	548.3	543.5	536.7	518.6	482.8	434.3	376.1	360.3	300.0
12.5°	589.7	590.3	597.6	598.0	592.4	577.7	539.8	489.2	420.8	406.7	329.9
15°	618.8	619.5	628.4	638.0	644.4	636.7	602.4	545.8	473.4	454.1	361.3
17.5°	623.6	624.0	639.8	659.2	679.2	685.8	659.4	602.0	521.5	499.4	397.3
20°	626.7	630.3	644.4	666.7	698.3	718.9	704.5	655.9	568.1	542.5	432.7
22.5°	664.6	664.6	672.9	688.7	713.9	746.1	743.2	705.4	613.4	588.1	467.8
25°	744.9	744.9	736.8	732.6	746.1	771.5	778.8	758.2	665.2	635.3	504.8
27.5°	851.2	851.2	838.5	807.9	796.3	806.9	814.6	804.2	713.1	683.5	544.0
30°	961.4	965.2	943.1	904.2	863.5	855.3	847.9	845.6	764.0	730.7	583.7
32.5°	1072.1	1071.7	1044.2	995.8	942.5	913.8	889.5	886.8	818.1	785.5	621.3
35°	1160.5	1160.7	1131.8	1082.1	1020.5	983.9	944.8	932.1	877.4	841.0	666.3
37.5°	1237.1	1232.7	1201.5	1154.3	1096.9	1059.0	1010.3	977.2	938.8	901.7	711.2
40°	1280.9	1275.1	1244.7	1199.8	1156.3	1127.4	1084.6	1031.7	1006.2	966.2	762.4
42.5°	1287.4	1282.4	1262.2	1235.2	1199.6	1174.2	1162.8	1093.3	1076.9	1040.7	823.5
45°	1269.3	1261.2	1254.5	1240.4	1230.4	1218.1	1233.7	1158.8	1158.0	1122.0	884.1
47.5°	1224.4	1213.3	1215.0	1230.6	1241.8	1252.9	1301.5	1244.7	1239.8	1206.1	963.5
50°	1147.6	1142.2	1160.5	1191.3	1235.8	1279.9	1369.1	1332.5	1352.3	1320.7	1073.1
52.5°	991.6	998.3	1053.0	1127.0	1204.0	1292.6	1432.6	1463.6	1514.1	1488.1	1183.4
55°	804.4	801.9	874.9	1006.4	1129.3	1284.5	1460.2	1540.7	1620.2	1593.0	1244.7
57.5°	648.0	652.3	701.6	831.6	1002.6	1221.9	1466.7	1581.1	1662.9	1644.8	1301.5
60°	486.3	490.5	535.4	648.6	834.1	1091.2	1413.4	1595.2	1742.9	1729.2	1392.2
62.5°	309.5	314.9	360.1	470.1	637.6	888.2	1293.8	1580.5	1826.6	1838.0	1516.0
65°	152.3	157.0	190.3	274.6	426.2	664.2	1127.0	1524.1	1933.1	1965.7	1615.2
67.5°	84.2	86.5	98.0	139.8	237.8	455.5	905.7	1403.7	1981.9	2025.6	1621.9
70°	65.5	66.1	70.5	81.5	115.9	267.3	644.2	1203.1	1880.6	1933.5	1486.9
72.5°	55.1	56.0	58.0	61.8	72.4	139.2	404.8	929.8	1582.4	1606.3	1150.3
75°	40.4	41.6	47.4	50.8	57.2	84.5	178.5	558.7	1045.7	1022.2	643.6
77.5°	33.9	34.9	36.4	41.2	47.2	57.6	62.6	234.2	425.6	370.1	168.9
80°	23.1	24.3	28.3	30.8	39.9	38.1	26.0	62.8	85.5	69.7	32.4
82.5°	16.4	17.5	19.6	25.2	28.9	20.2	14.1	19.1	20.6	19.6	10.6
85°	5.2	6.7	14.1	20.8	15.6	6.9	8.9	7.3	6.4	6.2	4.2
87.5°	1.0	1.0	7.1	8.3	6.2	3.5	3.1	2.3	2.9	2.9	2.3
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°	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7
2.5°	225.5	216.1	202.6	189.9	177.0	167.9	161.4	155.0	152.5	151.4	148.7
5°	235.5	217.6	190.7	169.1	153.3	143.3	137.3	132.1	128.8	127.7	126.3
7.5°	249.8	224.0	185.5	160.6	144.8	134.0	124.2	113.0	104.0	100.5	99.0
10°	265.4	233.8	186.4	158.9	137.9	114.2	92.4	74.3	66.4	63.4	61.4
12.5°	288.3	244.6	189.9	157.0	117.3	81.5	59.1	51.6	49.7	49.3	48.9
15°	311.2	259.8	195.7	144.6	87.6	55.5	49.1	46.4	45.3	44.3	44.3
17.5°	334.3	274.4	198.0	120.2	60.5	48.1	44.7	42.4	40.8	39.9	39.3
20°	360.3	289.8	191.4	90.5	48.5	43.9	40.1	37.4	36.0	35.2	34.5
22.5°	388.4	304.9	176.8	63.0	44.1	39.5	36.0	33.3	31.8	31.0	30.8
25°	414.8	318.1	153.5	47.4	39.7	35.4	32.0	29.7	28.7	27.9	27.7
27.5°	442.0	329.3	123.1	41.8	36.2	32.0	28.7	26.8	25.8	25.2	25.0
30°	468.7	337.0	91.7	38.3	33.1	28.9	26.0	24.5	23.5	22.9	22.7
32.5°	496.1	341.3	62.0	35.2	30.0	26.2	23.7	22.3	21.6	21.0	21.0
35°	522.5	340.7	44.7	32.2	27.5	23.7	21.4	20.4	20.2	19.6	19.6
37.5°	551.4	336.4	38.1	29.5	24.8	21.4	19.6	18.9	18.7	18.3	18.1
40°	584.3	326.6	34.7	27.5	22.5	19.6	17.9	17.5	17.3	16.8	16.8
42.5°	620.3	313.9	32.9	25.2	20.6	17.7	16.4	15.8	15.6	15.2	15.2
45°	662.1	301.8	31.6	22.9	18.9	16.2	15.0	14.4	14.1	13.7	13.7
47.5°	719.1	295.0	29.5	20.8	17.1	14.8	13.5	13.1	12.7	12.3	12.3
50°	797.5	286.8	26.8	18.7	15.6	13.3	12.5	11.9	11.6	11.2	11.2
52.5°	862.0	269.6	24.1	16.6	13.9	12.3	11.4	11.0	10.6	10.4	10.4
55°	884.7	249.4	21.4	15.0	12.7	11.4	10.6	10.2	10.0	9.8	9.8
57.5°	920.9	243.0	18.9	13.3	11.4	10.6	9.8	9.6	9.4	9.2	8.9
60°	982.7	246.7	16.6	11.9	10.4	9.6	8.9	8.7	8.3	7.9	7.9
62.5°	1042.6	242.1	14.1	10.4	8.9	8.5	7.9	7.5	6.7	6.0	5.6
65°	1057.1	211.5	12.3	8.7	7.5	7.1	6.4	5.6	4.4	3.5	3.5
67.5°	986.6	160.8	10.6	7.5	6.2	5.8	4.6	3.7	2.7	2.1	2.1
70°	814.2	101.9	8.7	5.8	5.2	4.0	2.9	2.7	1.9	1.7	1.5
72.5°	587.4	55.7	7.3	4.8	3.7	2.5	2.1	1.7	1.2	0.8	0.8
75°	297.5	26.2	5.4	3.7	2.5	1.7	1.2	0.8	0.8	0.6	0.6
77.5°	84.2	12.1	3.5	2.5	1.7	1.0	0.8	0.6	0.6	0.4	0.4
80°	16.6	6.0	2.3	1.7	1.2	0.8	0.6	0.4	0.4	0.2	0.2
82.5°	6.0	3.1	1.7	1.2	1.0	0.8	0.4	0.2	0.2	0.0	0.0
85°	3.1	1.7	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	1.7	1.2	1.0	1.0	0.8	0.6	0.4	0.2	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)