

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: P674713

Luminaire Tested: **CCP-SA-1A-750-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674713  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-750-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

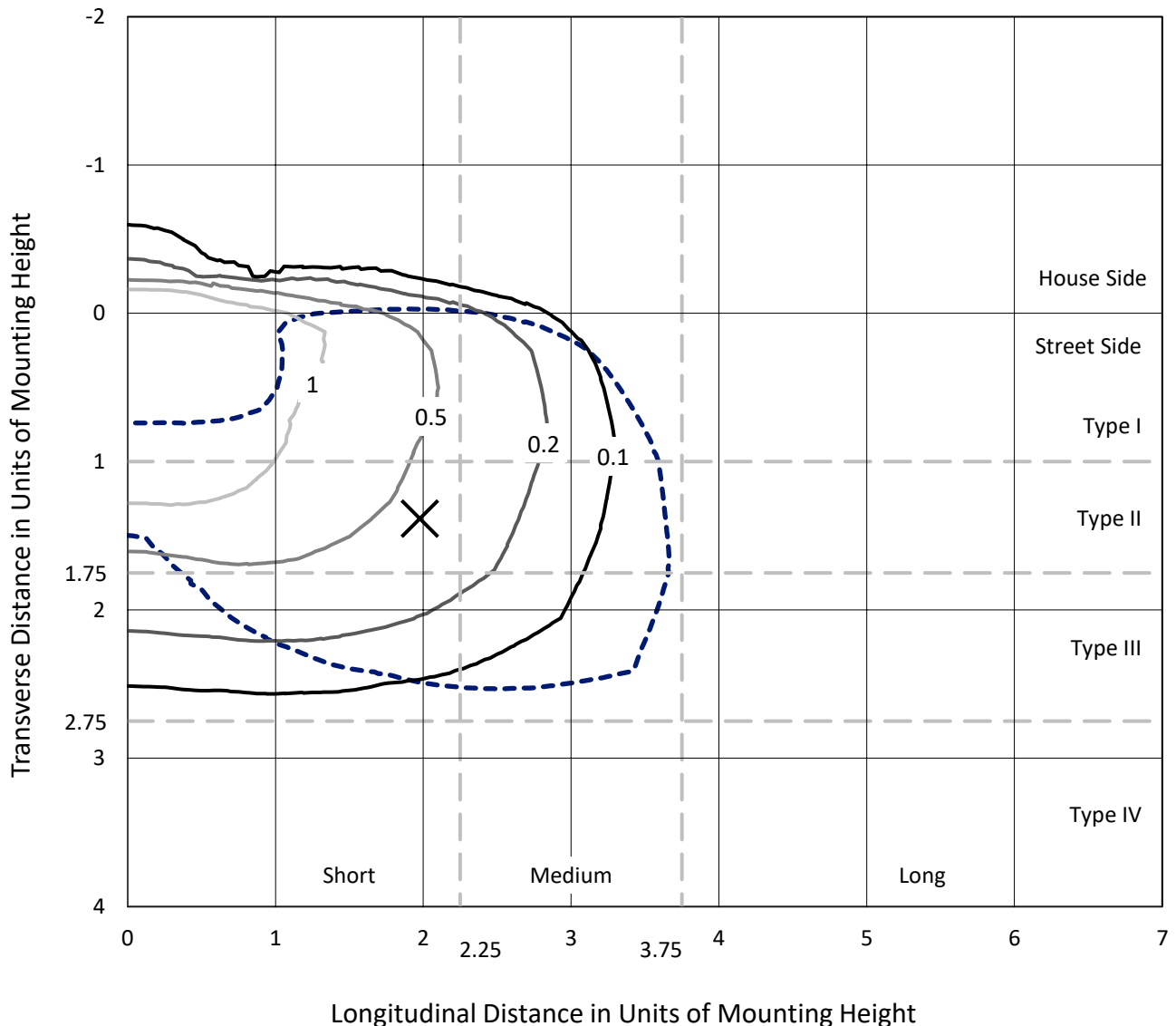
Lumens per Lamp: N/A  
Luminaire Lumens: 2219.4 lumens  
Efficiency: N/A  
Efficacy: 123.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

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

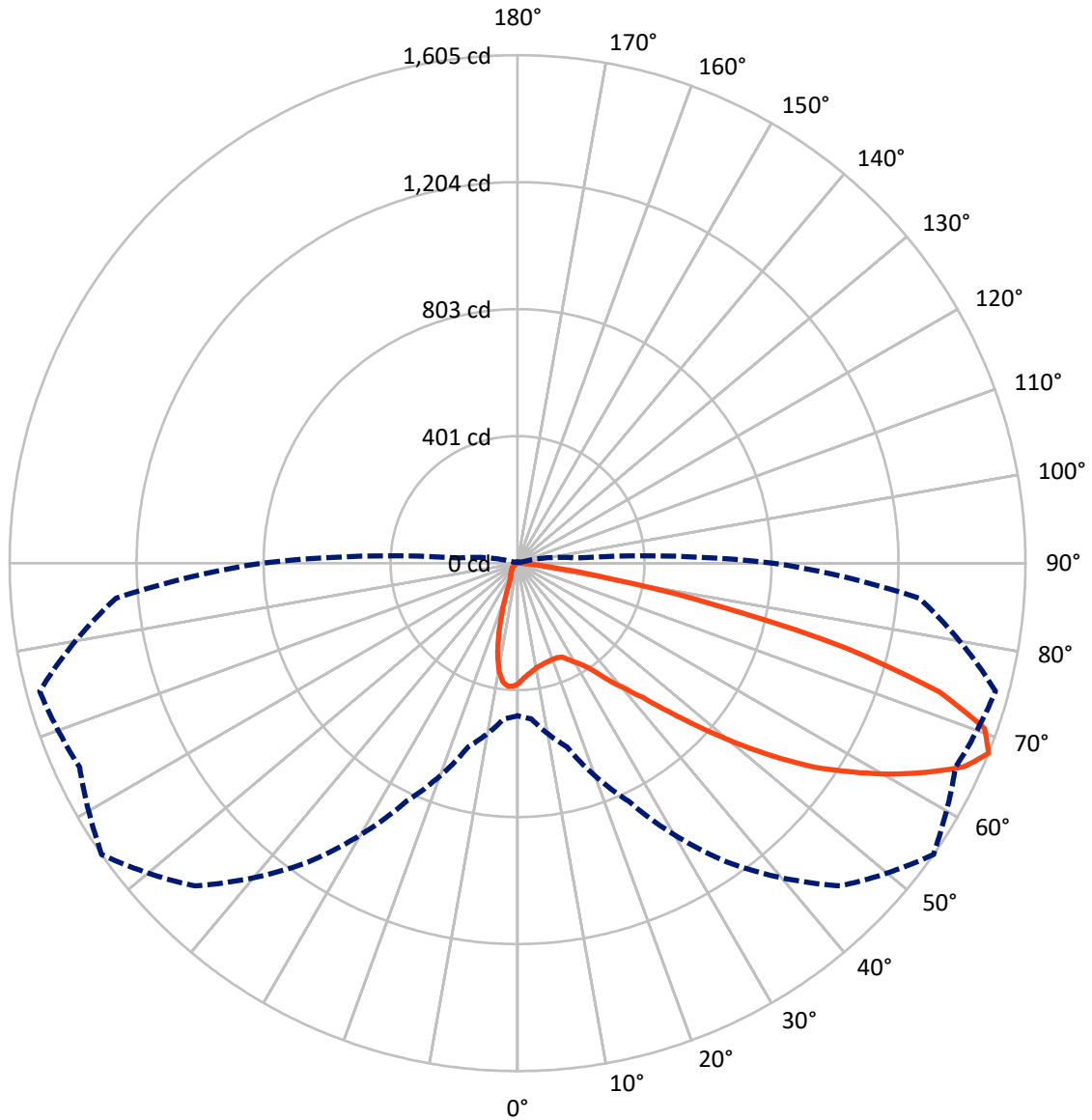
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 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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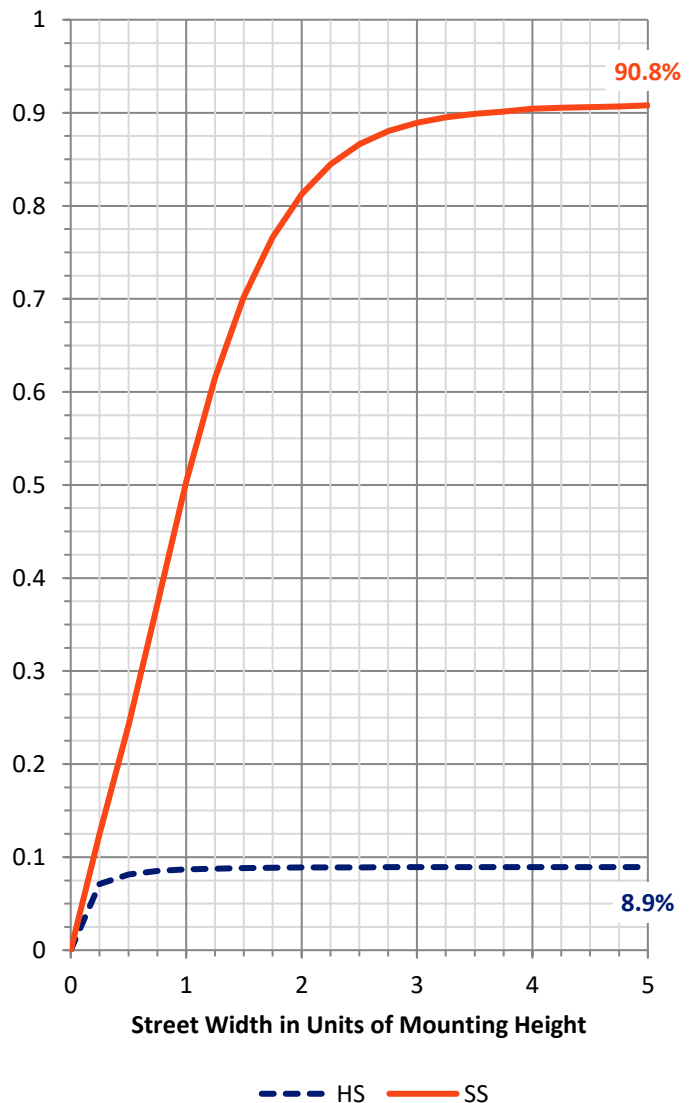
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	199.4	0.0	199.4
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	2020.0	0.0	2020.0
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	2219.4	0.0	2219.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.4	1.5
10°-20°	76.0	3.4
20°-30°	121.9	5.5
30°-40°	211.5	9.5
40°-50°	352.6	15.9
50°-60°	515.7	23.2
60°-70°	601.3	27.1
70°-80°	291.8	13.1
80°-90°	15.3	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°	2219.4	100.0
0°-180°	2219.4	100.0

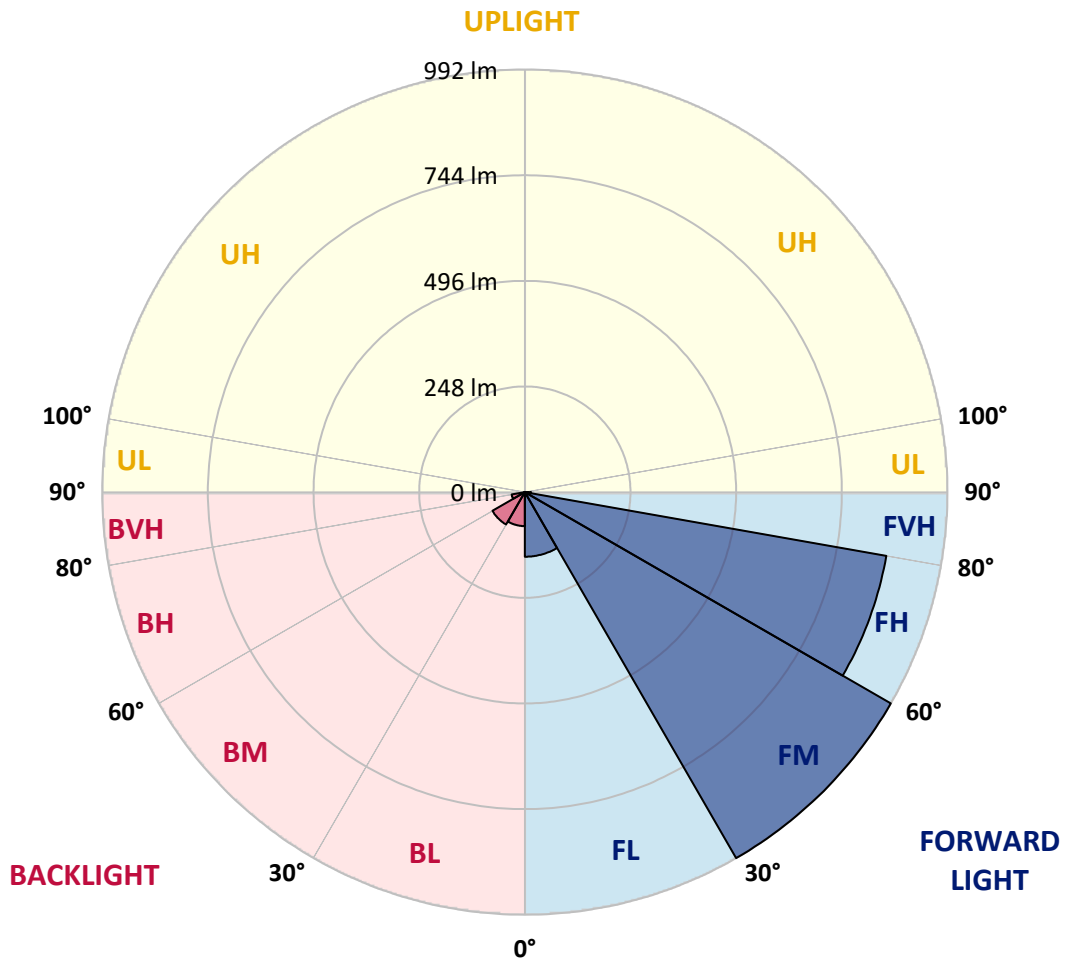


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.6	6.8			
FM (30°-60°)	992.0	44.7			
FH (60°-80°)	861.6	38.8			G1/1800
FVH (80°-90°)	14.8	0.7			G1/100
BL (0°-30°)	79.7	3.6	B0/110		
BM (30°-60°)	87.8	4.0	B0/220		
BH (60°-80°)	31.4	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-G1**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3
2.5°	351.1	353.4	356.2	357.2	360.7	365.6	364.2	363.2	368.7	376.3	378.7
5°	329.2	329.4	333.9	337.2	343.1	347.8	352.9	352.5	362.6	375.4	383.6
7.5°	307.8	308.2	312.9	318.0	326.6	335.8	343.5	343.1	359.3	376.5	392.0
10°	279.5	281.6	287.3	296.3	309.8	324.3	335.2	336.2	355.6	380.3	403.5
12.5°	256.8	257.9	264.2	275.9	291.8	310.8	331.1	330.5	356.4	387.5	418.4
15°	247.2	246.6	250.5	259.1	277.3	301.2	327.0	328.4	359.3	395.7	433.9
17.5°	249.5	248.9	250.9	254.0	266.9	293.2	324.7	327.2	363.8	404.3	448.4
20°	274.4	270.1	266.4	263.2	265.0	286.7	323.3	326.0	366.4	410.8	463.8
22.5°	322.5	317.2	307.3	289.1	277.1	287.1	323.7	327.2	372.4	421.5	482.4
25°	400.8	395.7	374.6	337.4	305.5	301.8	329.2	332.9	386.1	437.6	502.2
27.5°	504.5	493.0	467.5	414.1	352.5	325.3	345.8	349.9	405.5	450.1	515.7
30°	590.6	587.9	563.4	497.9	417.4	359.9	364.4	366.6	414.3	457.6	529.2
32.5°	679.9	674.4	651.9	588.3	492.6	409.2	385.3	386.3	425.7	468.9	548.8
35°	757.6	752.5	733.7	671.9	580.5	475.4	419.8	417.6	449.5	493.6	575.4
37.5°	829.6	829.0	812.4	749.4	659.5	544.1	470.7	468.9	486.5	520.8	611.4
40°	900.0	898.3	884.2	826.7	737.2	612.6	519.2	514.5	518.0	558.9	658.9
42.5°	943.1	946.6	951.5	915.1	829.4	693.0	580.5	577.7	577.1	618.4	721.2
45°	966.4	972.5	1001.4	998.1	927.2	793.0	667.9	660.5	658.0	700.2	792.6
47.5°	989.1	991.8	1039.0	1058.8	1020.8	897.3	773.4	763.2	753.1	800.0	877.9
50°	990.5	994.8	1053.3	1101.6	1099.3	999.9	891.8	882.8	871.3	921.4	961.1
52.5°	970.5	979.1	1051.5	1128.6	1148.0	1090.5	1014.7	1007.3	997.9	1035.3	1031.2
55°	832.1	846.6	1015.5	1131.0	1182.1	1168.2	1138.2	1128.0	1118.8	1145.3	1099.9
57.5°	766.2	774.4	906.3	1129.2	1225.7	1240.2	1245.3	1240.6	1227.7	1260.9	1171.7
60°	726.8	738.6	854.1	1108.7	1272.7	1321.6	1353.7	1344.3	1328.6	1374.2	1248.6
62.5°	679.5	688.1	802.2	1049.8	1300.8	1404.4	1455.3	1446.8	1414.2	1478.7	1310.8
65°	592.4	605.3	719.6	957.2	1263.1	1465.2	1551.0	1548.2	1491.7	1557.6	1327.7
67.5°	482.2	493.8	600.4	830.2	1153.1	1442.5	1605.2	1596.2	1526.9	1563.5	1274.0
70°	361.9	368.3	448.6	634.3	944.7	1321.2	1566.0	1564.1	1473.5	1475.6	1108.9
72.5°	194.3	211.8	298.3	424.5	664.4	1070.1	1395.6	1388.3	1314.7	1208.5	797.5
75°	67.9	73.0	158.9	238.4	360.9	712.8	1073.2	1056.0	983.2	786.1	434.5
77.5°	41.7	45.8	70.5	121.9	140.5	309.4	644.8	622.5	575.4	339.9	148.5
80°	28.8	32.5	47.2	63.8	47.9	100.2	296.7	288.3	221.9	81.0	34.1
82.5°	16.2	19.4	35.8	31.3	19.2	26.0	102.9	95.3	59.1	21.9	11.5
85°	9.4	11.2	25.2	22.1	9.8	9.2	26.8	23.9	15.3	8.2	5.5
87.5°	4.9	6.3	18.4	14.7	5.9	3.3	6.1	5.9	3.9	2.9	3.7
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°	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3
2.5°	383.2	382.2	387.5	389.3	388.9	388.1	390.2	387.5	387.3	386.7	386.1
5°	390.2	391.8	396.1	396.1	390.4	381.0	375.2	367.5	360.9	357.0	356.4
7.5°	400.6	403.9	406.7	397.9	378.3	355.0	330.2	310.8	293.8	285.1	284.2
10°	415.3	418.4	416.1	391.0	348.9	300.6	260.3	219.8	199.6	188.5	188.5
12.5°	432.9	435.4	421.7	373.6	300.4	230.5	176.7	134.1	113.9	100.8	100.0
15°	451.9	452.5	420.8	343.3	240.5	154.8	101.4	74.4	65.8	64.0	63.6
17.5°	468.5	466.0	412.2	298.6	173.2	92.2	64.4	58.3	56.6	56.6	56.6
20°	484.0	475.8	395.1	246.4	111.0	62.8	55.4	53.8	53.8	54.0	54.0
22.5°	501.2	485.0	370.5	188.5	71.4	53.8	51.9	51.1	50.9	51.5	51.3
25°	521.4	494.0	335.4	130.3	55.2	50.1	49.3	48.5	48.5	48.5	48.5
27.5°	532.7	492.8	295.3	82.2	48.3	46.4	45.6	44.8	44.2	44.0	44.2
30°	542.5	485.7	242.9	57.5	43.6	41.5	40.9	39.9	38.6	38.2	38.2
32.5°	555.4	479.7	188.1	46.2	39.5	37.2	35.4	33.7	31.7	30.9	30.7
35°	569.7	468.9	137.8	40.7	35.8	32.9	30.1	27.4	24.7	23.9	23.7
37.5°	587.5	459.1	93.5	37.6	32.7	29.2	25.4	21.7	19.2	18.8	18.8
40°	611.6	450.9	64.6	35.0	29.9	25.8	21.1	17.2	15.5	15.1	15.1
42.5°	644.5	444.1	48.9	32.7	27.4	22.3	17.0	14.1	12.9	12.5	12.5
45°	683.4	433.7	41.3	30.7	24.9	18.8	14.1	11.9	11.2	11.2	11.2
47.5°	728.0	420.6	37.6	28.6	22.3	15.3	11.9	10.8	10.6	10.6	10.8
50°	773.0	405.1	35.0	26.2	19.2	13.1	10.8	10.2	10.2	10.4	10.4
52.5°	803.4	380.8	32.3	23.5	16.2	11.5	10.2	10.0	9.8	9.8	9.8
55°	833.1	359.5	28.6	20.7	13.5	10.6	9.8	9.6	9.6	9.4	9.4
57.5°	864.0	342.7	23.9	17.2	11.5	10.0	9.4	9.4	9.0	8.8	8.8
60°	899.7	328.0	18.4	13.5	10.0	9.4	8.8	8.6	8.2	7.8	7.8
62.5°	910.2	296.9	13.9	10.8	8.6	8.2	8.0	7.6	6.5	5.7	5.9
65°	883.0	248.0	11.0	8.6	7.0	7.0	6.3	5.3	4.3	3.7	3.7
67.5°	807.9	185.3	9.0	6.7	5.5	5.3	4.5	3.9	2.7	2.2	2.2
70°	665.8	122.5	7.4	5.3	4.5	3.7	3.1	2.9	2.0	1.6	1.6
72.5°	466.6	66.5	6.1	4.3	3.3	2.5	2.0	1.8	1.4	1.2	1.0
75°	246.4	25.6	4.9	3.3	2.0	1.6	1.2	1.2	1.0	0.8	0.8
77.5°	84.5	10.8	3.5	1.8	1.4	1.0	0.8	0.6	0.8	0.6	0.6
80°	20.0	6.3	2.2	1.2	0.8	0.6	0.6	0.4	0.4	0.4	0.4
82.5°	8.8	3.7	1.4	0.8	0.8	0.6	0.4	0.2	0.2	0.2	0.2
85°	5.9	2.2	1.0	0.8	0.6	0.4	0.2	0.2	0.0	0.0	0.0
87.5°	4.7	1.4	0.8	0.8	0.6	0.4	0.2	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)