

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: P672213

Luminaire Tested: **CCP-SA-1D-722-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672213  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-722-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

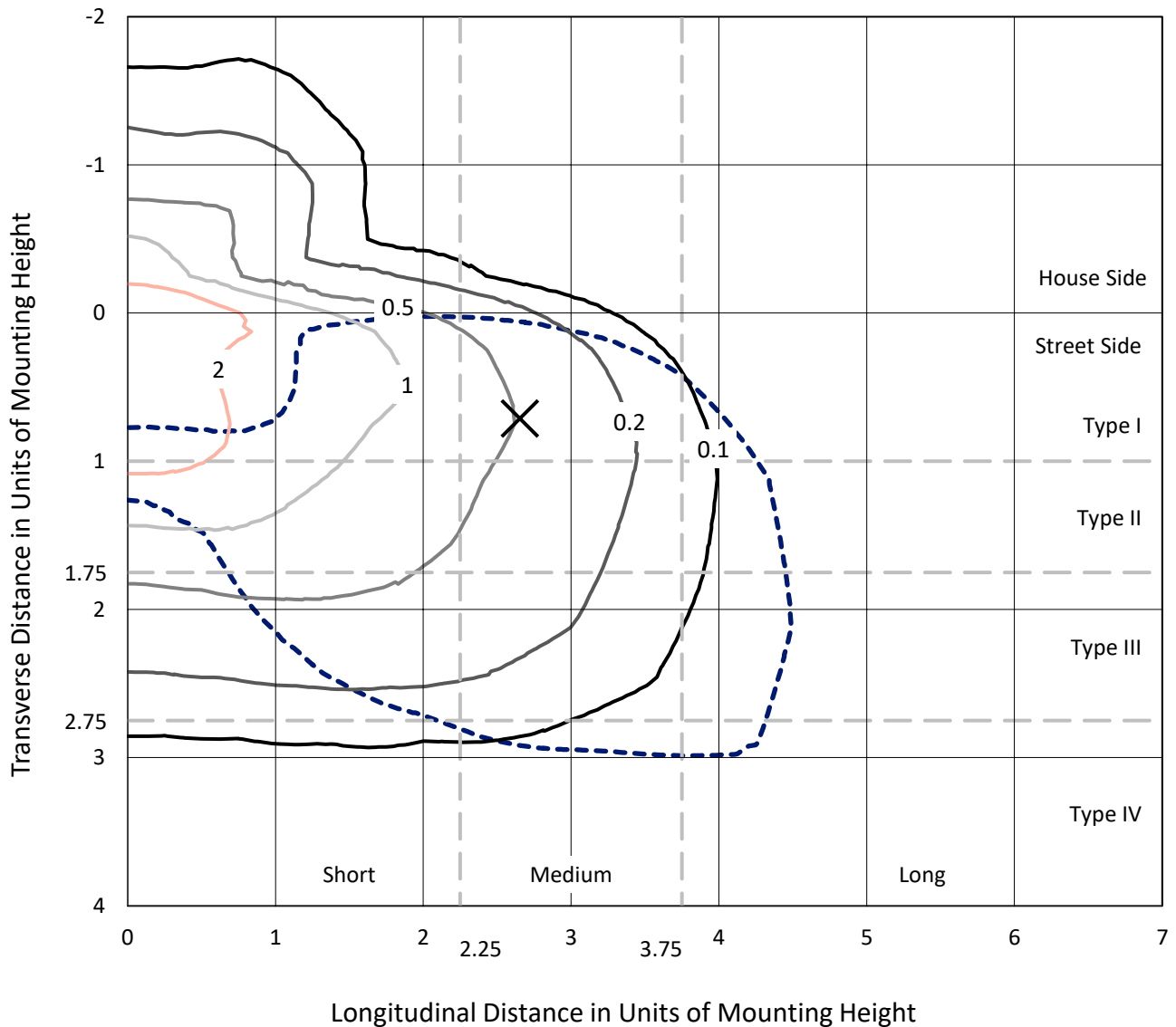
Lumens per Lamp: N/A  
Luminaire Lumens: 4175.2 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 44  
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

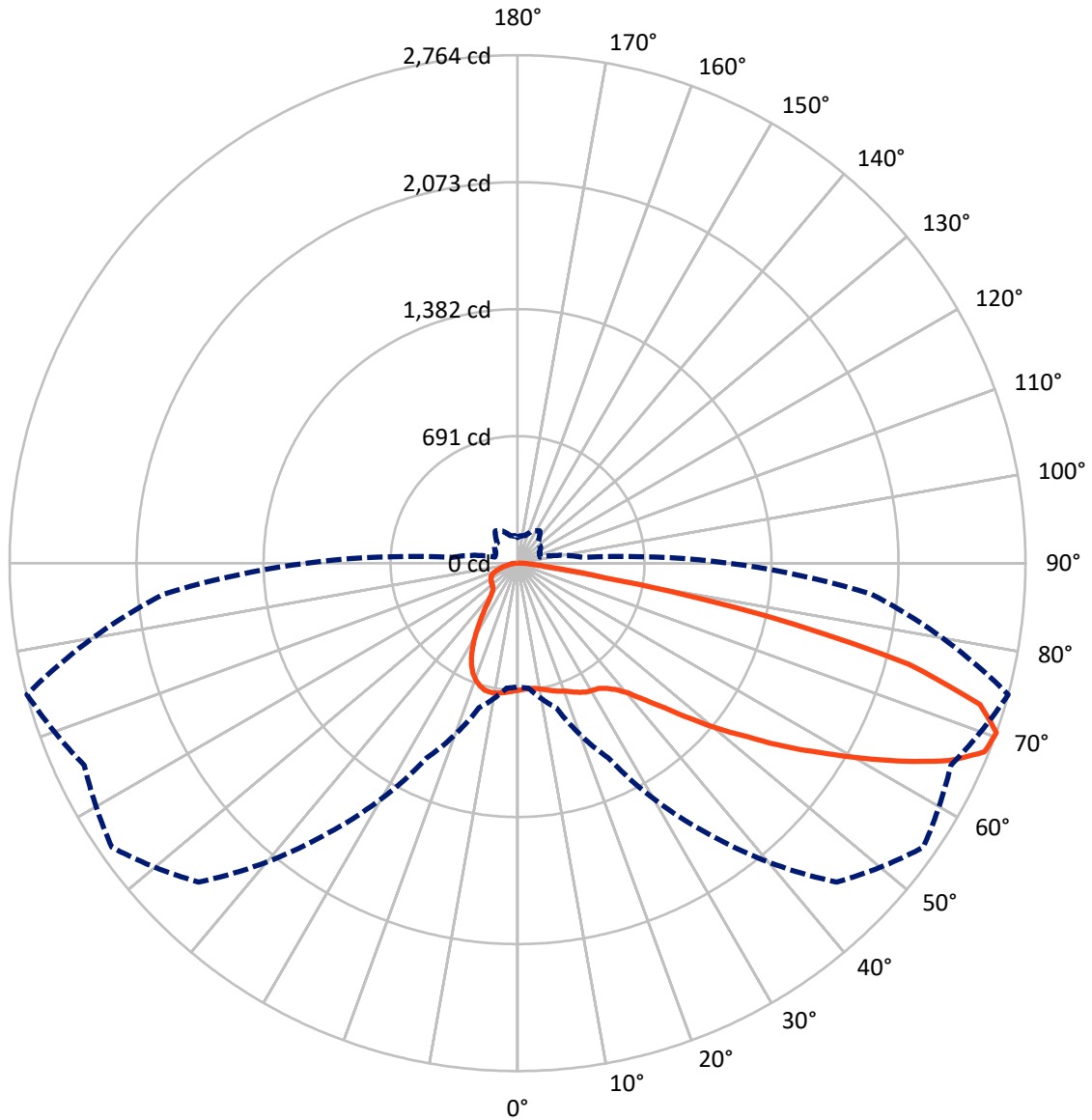
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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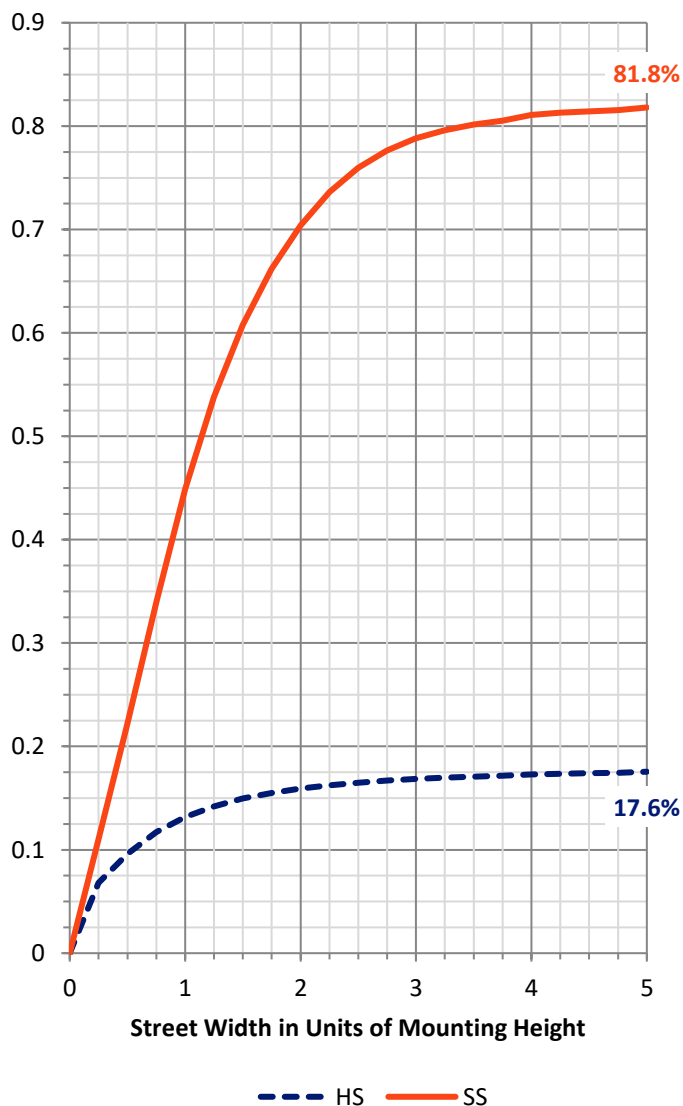
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	742.8	0.0	742.8
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	3432.4	0.0	3432.4
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	4175.2	0.0	4175.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.1	1.5
10°-20°	165.8	4.0
20°-30°	279.4	6.7
30°-40°	424.3	10.2
40°-50°	607.9	14.6
50°-60°	805.9	19.3
60°-70°	1008.5	24.2
70°-80°	736.5	17.6
80°-90°	84.9	2.0
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°	4175.2	100.0
0°-180°	4175.2	100.0



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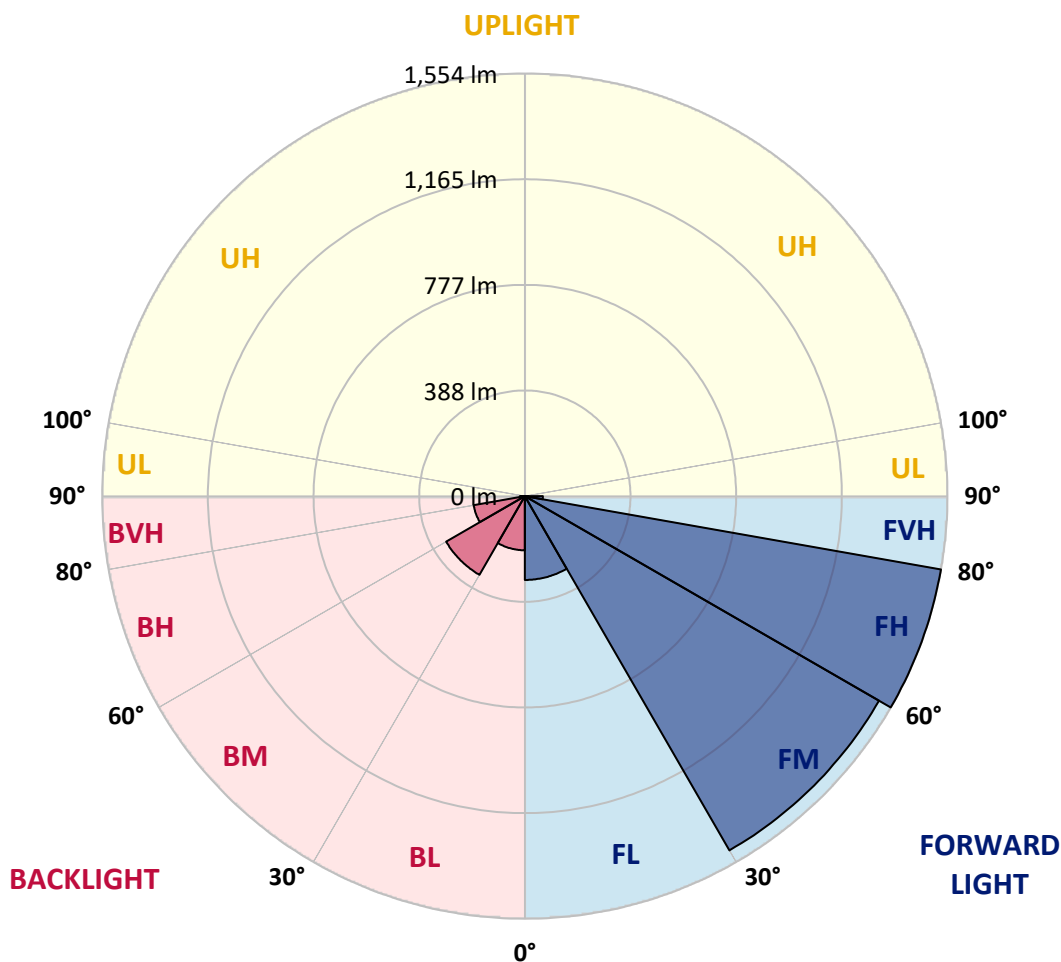
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.2	7.4			
FM (30°-60°)	1504.1	36.0			
FH (60°-80°)	1553.9	37.2			G1/1800
FVH (80°-90°)	66.3	1.6			G1/100
BL (0°-30°)	199.1	4.8	B1/500		
BM (30°-60°)	334.0	8.0	B1/1000		
BH (60°-80°)	191.1	4.6	B1/500		G1/500
BVH (80°-90°)	18.7	0.4			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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6
2.5°	653.7	657.4	660.7	664.0	666.7	673.9	675.4	683.2	685.3	687.1	689.5
5°	617.1	619.8	623.1	628.5	634.2	647.1	656.2	673.3	682.9	685.9	694.3
7.5°	597.3	598.2	602.7	607.2	613.8	626.4	638.7	665.5	684.7	688.0	706.0
10°	582.8	584.0	588.3	594.6	601.2	612.9	628.2	660.1	691.3	696.4	721.9
12.5°	577.7	577.1	581.9	586.1	595.5	610.2	626.1	660.4	700.3	707.5	745.1
15°	598.2	594.3	597.3	595.8	598.8	613.2	632.1	667.0	711.4	720.4	769.1
17.5°	643.2	639.9	637.8	624.9	616.5	624.6	642.6	676.3	723.1	732.8	790.7
20°	710.5	701.2	693.4	671.8	648.3	645.6	658.3	685.6	734.3	743.6	813.6
22.5°	787.1	779.6	767.0	729.2	692.8	674.8	678.1	702.7	750.5	760.7	839.7
25°	883.9	883.6	857.7	806.7	751.7	715.3	708.4	730.1	768.8	778.7	861.3
27.5°	994.1	986.6	956.0	890.2	821.1	765.5	749.3	758.0	783.5	793.8	878.8
30°	1088.5	1089.4	1058.1	986.3	895.0	814.5	783.8	778.1	793.1	803.4	895.0
32.5°	1189.4	1184.3	1155.8	1081.9	974.9	867.1	806.1	792.5	803.1	812.7	917.5
35°	1284.4	1278.7	1254.0	1174.4	1062.9	925.0	836.1	815.1	826.5	837.0	945.2
37.5°	1374.8	1375.7	1347.8	1271.7	1148.3	993.5	880.6	849.0	861.3	873.1	987.2
40°	1453.8	1449.3	1427.7	1359.2	1236.9	1063.2	930.7	895.3	919.3	930.1	1040.4
42.5°	1479.0	1478.7	1487.2	1445.1	1330.0	1146.2	993.2	967.4	1001.4	1017.6	1105.6
45°	1457.1	1463.7	1512.4	1511.2	1423.2	1241.4	1078.6	1055.1	1104.1	1122.4	1185.2
47.5°	1435.5	1445.4	1511.5	1549.0	1506.7	1346.3	1183.4	1166.0	1236.3	1262.7	1267.8
50°	1403.9	1413.2	1492.0	1554.5	1557.8	1452.3	1319.2	1297.3	1387.7	1414.8	1357.7
52.5°	1368.8	1376.0	1457.4	1550.5	1582.1	1535.2	1452.3	1446.0	1549.9	1571.9	1449.0
55°	1174.7	1205.3	1406.6	1542.1	1598.9	1598.6	1581.8	1602.5	1726.9	1759.7	1550.8
57.5°	1063.2	1079.5	1263.6	1537.3	1630.5	1657.2	1715.5	1760.0	1915.9	1945.3	1663.2
60°	1026.9	1041.3	1191.8	1531.6	1693.3	1748.8	1846.2	1918.3	2119.0	2155.0	1788.8
62.5°	993.8	1011.3	1162.7	1486.3	1769.3	1893.9	2002.1	2089.5	2333.2	2375.8	1913.8
65°	926.5	938.9	1109.2	1448.1	1841.4	2100.9	2227.1	2278.2	2540.8	2588.9	1996.7
67.5°	810.3	822.0	988.7	1360.4	1888.2	2316.4	2473.2	2473.5	2701.2	2740.6	2014.1
70°	673.6	682.6	815.1	1169.3	1790.6	2454.6	2695.2	2601.2	2746.6	2763.7	1931.2
72.5°	481.6	489.4	597.0	864.4	1468.2	2342.5	2745.7	2595.8	2636.6	2631.2	1695.4
75°	296.8	311.9	365.6	527.6	912.4	1843.2	2471.1	2352.1	2213.9	2198.9	1276.6
77.5°	193.5	201.3	247.3	311.3	402.6	1058.1	1876.8	1763.6	1397.9	1380.5	686.2
80°	116.3	129.2	161.9	195.6	182.4	404.7	1071.7	876.1	493.9	488.5	210.9
82.5°	62.5	74.2	114.2	121.1	102.4	143.0	388.2	284.8	158.0	156.2	79.0
85°	49.6	55.3	82.0	76.6	58.0	72.4	151.4	118.7	81.1	79.3	29.7
87.5°	30.0	37.9	62.2	51.7	28.8	26.1	69.4	56.2	38.2	35.5	11.7
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°	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6
2.5°	694.0	695.5	697.0	694.0	695.2	693.7	693.7	693.7	689.8	688.6	692.2
5°	700.6	702.7	703.9	694.6	688.9	680.5	673.6	663.1	657.1	653.1	653.1
7.5°	714.1	716.5	711.1	690.4	670.3	647.7	624.6	605.4	591.6	585.5	587.4
10°	734.0	734.9	716.8	678.7	635.7	594.0	561.2	535.7	518.6	509.8	508.6
12.5°	757.1	753.2	718.0	652.8	589.2	533.0	493.0	460.0	438.0	429.6	425.4
15°	779.9	770.6	713.5	621.9	536.3	468.7	417.6	386.4	372.8	368.9	367.4
17.5°	800.4	782.9	698.5	577.4	475.0	393.6	356.0	344.9	346.4	350.0	351.5
20°	819.0	792.2	676.9	524.6	398.4	335.0	325.7	335.9	344.3	349.7	350.6
22.5°	839.4	801.3	646.8	460.3	335.6	307.9	319.1	330.8	339.2	344.6	345.5
25°	855.0	801.0	604.5	384.0	295.9	300.7	314.0	324.5	330.8	334.7	334.4
27.5°	865.0	793.8	548.9	321.2	280.3	295.6	308.2	315.2	318.8	321.8	321.5
30°	868.0	779.9	478.9	274.9	273.1	290.8	300.4	304.6	307.3	310.3	310.3
32.5°	874.0	758.6	401.7	249.1	267.7	286.0	291.7	295.0	292.9	285.4	283.9
35°	880.6	734.9	328.7	237.0	262.6	282.7	288.1	279.4	256.6	253.6	252.4
37.5°	893.5	712.9	266.8	228.6	261.4	284.5	289.0	254.2	234.9	225.6	224.1
40°	915.4	691.0	225.3	222.6	262.9	292.3	277.0	242.2	210.3	192.6	189.6
42.5°	944.3	664.3	201.9	219.6	267.1	304.9	272.8	225.0	190.2	178.2	176.4
45°	977.6	628.8	190.8	219.0	272.2	311.3	274.0	211.2	181.2	171.8	171.2
47.5°	1012.2	594.0	186.0	218.4	278.5	308.5	257.5	207.0	177.6	174.9	176.7
50°	1049.4	554.3	182.1	216.9	283.6	308.5	248.5	206.1	178.8	184.8	190.8
52.5°	1084.3	521.0	177.6	212.4	285.7	303.1	245.8	209.4	180.6	179.1	180.9
55°	1126.6	503.8	175.2	206.1	281.8	286.6	242.5	218.4	182.1	169.7	169.7
57.5°	1175.0	500.2	171.5	197.7	269.2	263.8	242.2	223.8	178.2	166.7	164.6
60°	1233.3	508.0	167.0	187.2	253.9	246.1	240.0	223.8	171.8	161.6	162.5
62.5°	1280.5	507.1	164.3	177.9	233.4	227.7	236.1	220.8	169.4	161.0	160.7
65°	1291.6	487.9	156.5	165.8	208.2	205.5	231.9	213.3	166.1	157.7	155.3
67.5°	1254.0	444.3	144.8	149.9	181.5	181.8	224.4	203.4	161.6	155.9	152.0
70°	1147.4	359.3	127.4	130.7	152.6	156.5	213.3	191.7	154.1	148.1	138.8
72.5°	960.2	258.4	107.3	108.2	121.4	131.6	194.1	175.8	143.0	128.9	119.0
75°	710.8	171.5	87.4	86.2	91.0	107.0	165.8	158.0	128.6	107.0	101.8
77.5°	375.8	101.5	67.3	67.6	64.6	82.0	131.6	137.3	114.2	90.1	85.0
80°	128.6	61.0	48.4	50.5	45.7	58.6	97.6	114.2	97.6	75.1	66.4
82.5°	58.9	37.3	34.6	36.1	32.7	39.7	67.0	86.5	77.8	54.7	44.2
85°	29.7	22.2	22.2	24.3	21.6	20.4	37.0	57.4	57.1	37.6	32.4
87.5°	12.3	10.8	10.2	11.7	10.2	7.8	10.5	20.7	30.0	22.5	14.4
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)