

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: P672245

Luminaire Tested: **CCP-SA-1C-735-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672245  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-735-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

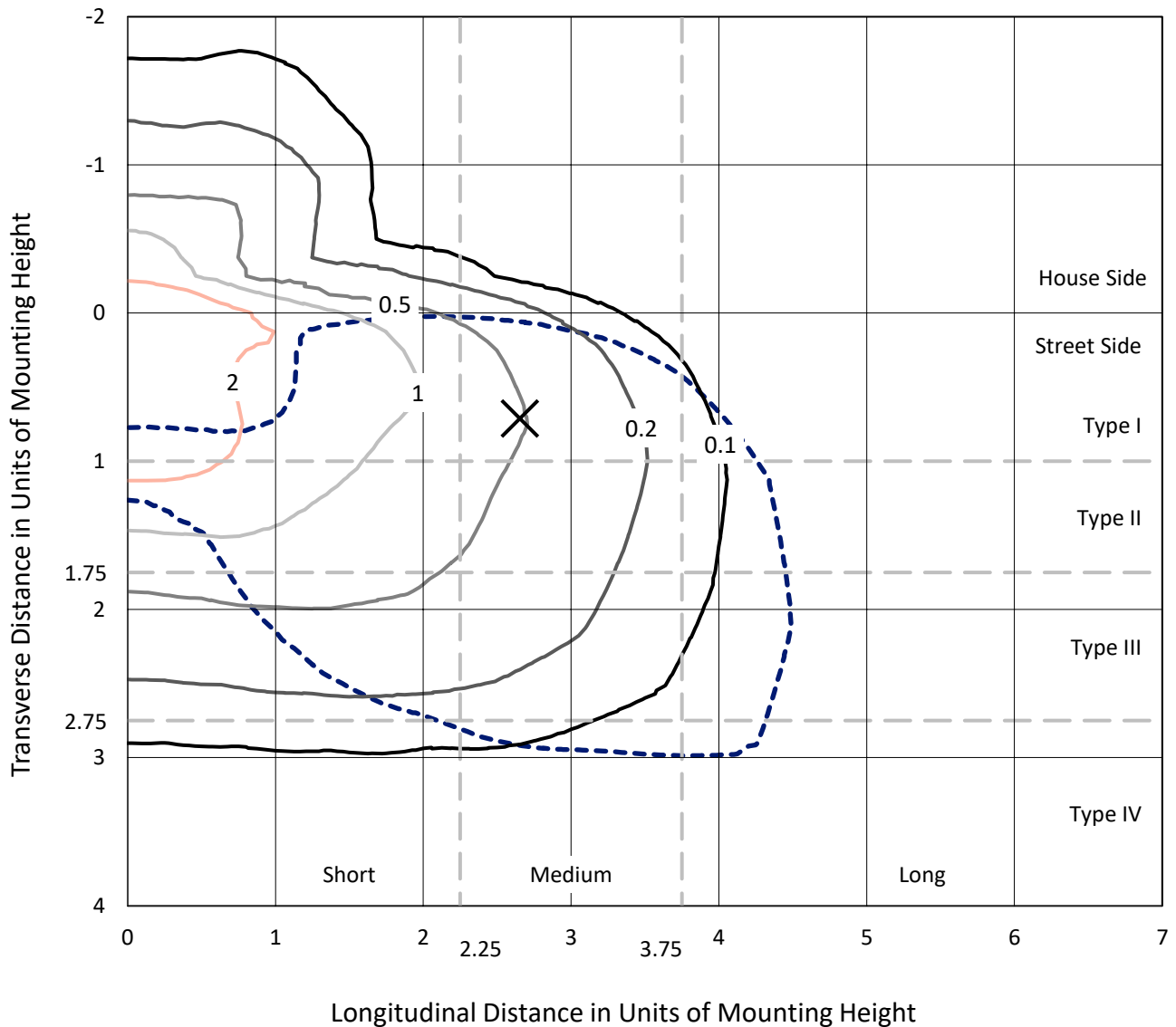
Lumens per Lamp: N/A  
Luminaire Lumens: 4532.3 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

REPORT NUMBER: P672245  
 CATALOG NUMBER: CCP-SA-1C-735-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

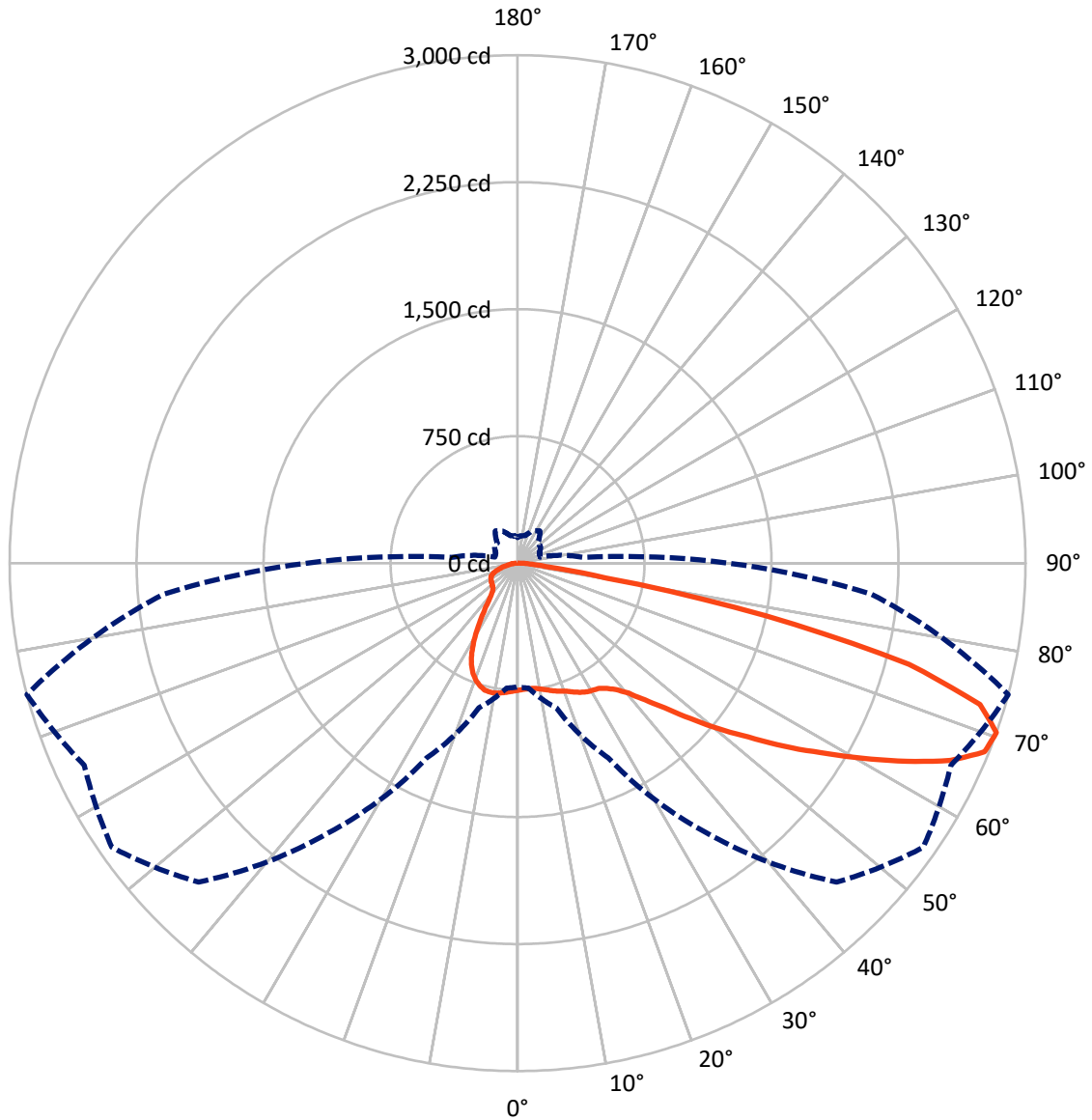
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P672245  
CATALOG NUMBER: CCP-SA-1C-735-U-T3R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P672245  
 CATALOG NUMBER: CCP-SA-1C-735-U-T3R

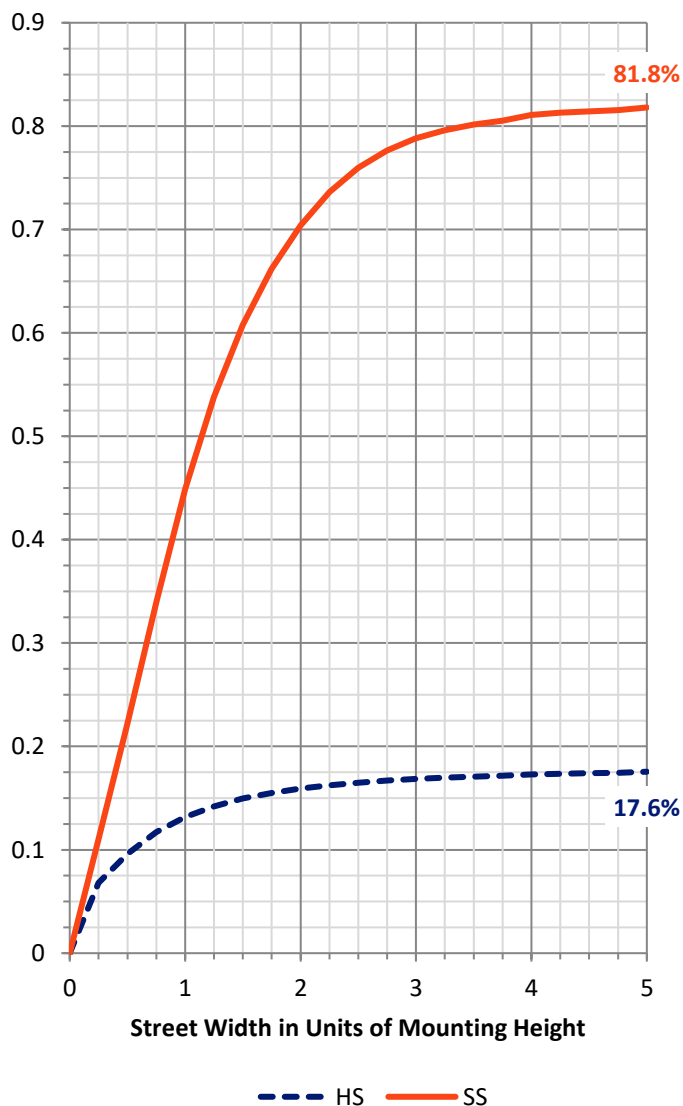
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	806.3	0.0	806.3
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	3726.0	0.0	3726.0
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	4532.3	0.0	4532.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	1.5
10°-20°	180.0	4.0
20°-30°	303.2	6.7
30°-40°	460.6	10.2
40°-50°	659.8	14.6
50°-60°	874.8	19.3
60°-70°	1094.8	24.2
70°-80°	799.5	17.6
80°-90°	92.2	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°	4532.3	100.0
0°-180°	4532.3	100.0



REPORT NUMBER: P672245

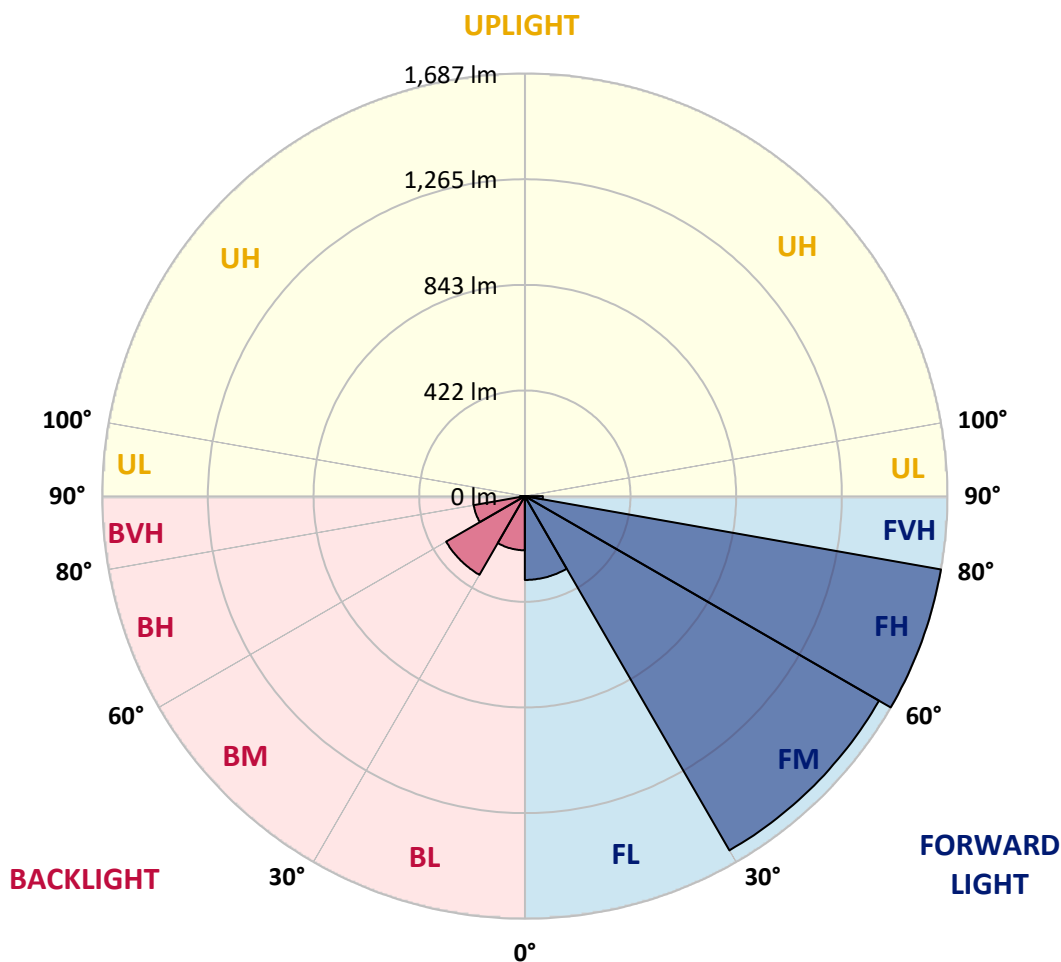
CATALOG NUMBER: CCP-SA-1C-735-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.5	7.4			
FM (30°-60°)	1632.7	36.0			
FH (60°-80°)	1686.8	37.2			G1/1800
FVH (80°-90°)	71.9	1.6			G1/100
BL (0°-30°)	216.1	4.8	B1/500		
BM (30°-60°)	362.5	8.0	B1/1000		
BH (60°-80°)	207.4	4.6	B1/500		G1/500
BVH (80°-90°)	20.2	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





REPORT NUMBER: P672245

CATALOG NUMBER: CCP-SA-1C-735-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8
2.5°	709.7	713.6	717.2	720.8	723.7	731.5	733.1	741.6	743.9	745.9	748.5
5°	669.9	672.8	676.4	682.3	688.5	702.5	712.3	730.9	741.3	744.6	753.7
7.5°	648.4	649.3	654.2	659.1	666.3	680.0	693.4	722.4	743.3	746.8	766.4
10°	632.7	634.0	638.6	645.4	652.6	665.3	681.9	716.5	750.4	756.0	783.7
12.5°	627.2	626.5	631.7	636.3	646.4	662.4	679.7	716.8	760.2	768.0	808.8
15°	649.3	645.1	648.4	646.7	650.0	665.6	686.2	724.0	772.3	782.1	834.9
17.5°	698.3	694.7	692.4	678.4	669.2	678.0	697.6	734.1	785.0	795.4	858.4
20°	771.3	761.2	752.7	729.2	703.8	700.9	714.6	744.2	797.1	807.2	883.2
22.5°	854.5	846.3	832.6	791.5	752.1	732.5	736.1	762.8	814.7	825.8	911.5
25°	959.5	959.2	931.1	875.7	816.0	776.5	769.0	792.5	834.6	845.3	935.0
27.5°	1079.2	1071.0	1037.8	966.3	891.3	831.0	813.4	822.8	850.6	861.6	953.9
30°	1181.6	1182.6	1148.6	1070.7	971.6	884.1	850.9	844.7	861.0	872.1	971.6
32.5°	1291.2	1285.6	1254.6	1174.4	1058.3	941.2	875.0	860.3	871.8	882.2	996.0
35°	1394.2	1388.0	1361.3	1274.9	1153.9	1004.2	907.6	884.8	897.2	908.6	1026.0
37.5°	1492.4	1493.4	1463.0	1380.5	1246.5	1078.5	955.9	921.7	935.0	947.7	1071.7
40°	1578.2	1573.3	1549.8	1475.4	1342.7	1154.2	1010.4	971.9	998.0	1009.7	1129.4
42.5°	1605.6	1605.2	1614.4	1568.7	1443.8	1244.2	1078.2	1050.2	1087.0	1104.6	1200.2
45°	1581.7	1588.9	1641.8	1640.5	1544.9	1347.6	1170.8	1145.4	1198.5	1218.4	1286.6
47.5°	1558.3	1569.0	1640.8	1681.5	1635.6	1461.4	1284.6	1265.7	1342.0	1370.7	1376.3
50°	1524.0	1534.1	1619.6	1687.4	1691.0	1576.5	1432.1	1408.2	1506.4	1535.8	1473.8
52.5°	1485.9	1493.7	1582.1	1683.2	1717.4	1666.5	1576.5	1569.7	1682.5	1706.3	1572.9
55°	1275.2	1308.4	1527.0	1674.0	1735.7	1735.4	1717.1	1739.6	1874.6	1910.2	1683.5
57.5°	1154.2	1171.8	1371.7	1668.8	1769.9	1799.0	1862.2	1910.5	2079.8	2111.7	1805.5
60°	1114.7	1130.4	1293.8	1662.6	1838.1	1898.4	2004.1	2082.4	2300.2	2339.4	1941.8
62.5°	1078.9	1097.8	1262.1	1613.4	1920.6	2055.9	2173.4	2268.3	2532.8	2579.1	2077.5
65°	1005.8	1019.2	1204.1	1572.0	1998.9	2280.7	2417.6	2473.1	2758.1	2810.3	2167.5
67.5°	879.6	892.3	1073.3	1476.7	2049.8	2514.5	2684.7	2685.1	2932.3	2975.0	2186.4
70°	731.2	741.0	884.8	1269.3	1943.8	2664.5	2925.7	2823.7	2981.5	3000.1	2096.4
72.5°	522.8	531.3	648.0	938.3	1593.8	2542.9	2980.5	2817.8	2862.2	2856.3	1840.4
75°	322.2	338.5	396.9	572.7	990.5	2000.8	2682.5	2553.3	2403.3	2387.0	1385.7
77.5°	210.0	218.5	268.4	337.9	437.0	1148.6	2037.4	1914.4	1517.5	1498.6	744.9
80°	126.2	140.2	175.8	212.3	198.0	439.3	1163.3	951.0	536.2	530.3	228.9
82.5°	67.8	80.6	123.9	131.4	111.2	155.2	421.4	309.2	171.5	169.6	85.8
85°	53.8	60.0	89.0	83.2	62.9	78.6	164.4	128.8	88.1	86.1	32.3
87.5°	32.6	41.1	67.5	56.1	31.3	28.4	75.3	61.0	41.4	38.5	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P672245  
 CATALOG NUMBER: CCP-SA-1C-735-U-T3R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8
2.5°	753.4	755.0	756.6	753.4	754.7	753.0	753.0	753.0	748.8	747.5	751.4
5°	760.5	762.8	764.1	754.0	747.8	738.7	731.2	719.8	713.3	709.0	709.0
7.5°	775.2	777.8	772.0	749.5	727.6	703.1	678.0	657.2	642.2	635.6	637.6
10°	796.7	797.7	778.2	736.7	690.1	644.8	609.2	581.5	562.9	553.4	552.1
12.5°	821.9	817.6	779.5	708.7	639.5	578.6	535.2	499.3	475.5	466.4	461.8
15°	846.6	836.5	774.6	675.1	582.1	508.8	453.3	419.4	404.7	400.5	398.9
17.5°	868.8	849.9	758.3	626.8	515.6	427.2	386.5	374.4	376.0	379.9	381.6
20°	889.0	860.0	734.8	569.4	432.5	363.6	353.5	364.6	373.7	379.6	380.6
22.5°	911.2	869.8	702.2	499.6	364.3	334.3	346.4	359.1	368.2	374.1	375.1
25°	928.2	869.5	656.2	416.8	321.2	326.5	340.8	352.2	359.1	363.3	363.0
27.5°	938.9	861.6	595.8	348.6	304.3	320.9	334.6	342.1	346.0	349.3	349.0
30°	942.2	846.6	519.9	298.4	296.5	315.7	326.1	330.7	333.6	336.9	336.9
32.5°	948.7	823.5	436.0	270.4	290.6	310.5	316.7	320.3	318.0	309.8	308.2
35°	955.9	797.7	356.8	257.3	285.0	306.9	312.8	303.3	278.5	275.3	274.0
37.5°	969.9	773.9	289.6	248.2	283.7	308.8	313.7	275.9	255.0	244.9	243.3
40°	993.7	750.1	244.6	241.7	285.4	317.3	300.7	262.9	228.3	209.1	205.8
42.5°	1025.0	721.1	219.2	238.4	289.9	331.0	296.1	244.3	206.4	193.4	191.4
45°	1061.2	682.6	207.1	237.8	295.5	337.9	297.4	229.3	196.7	186.5	185.9
47.5°	1098.7	644.8	201.9	237.1	302.3	334.9	279.5	224.7	192.7	189.8	191.8
50°	1139.2	601.7	197.6	235.5	307.9	334.9	269.7	223.7	194.0	200.6	207.1
52.5°	1177.0	565.5	192.7	230.6	310.2	329.1	266.8	227.3	196.0	194.4	196.3
55°	1223.0	546.9	190.1	223.7	305.9	311.1	263.2	237.1	197.6	184.3	184.3
57.5°	1275.5	543.0	186.2	214.6	292.2	286.3	262.9	243.0	193.4	181.0	178.7
60°	1338.8	551.5	181.3	203.2	275.6	267.1	260.6	243.0	186.5	175.5	176.4
62.5°	1390.0	550.5	178.4	193.1	253.4	247.2	256.3	239.7	183.9	174.8	174.5
65°	1402.1	529.6	169.9	180.0	226.0	223.1	251.8	231.6	180.4	171.2	168.6
67.5°	1361.3	482.4	157.2	162.7	197.0	197.3	243.6	220.8	175.5	169.3	165.0
70°	1245.5	390.1	138.3	141.9	165.7	169.9	231.6	208.1	167.3	160.8	150.7
72.5°	1042.3	280.5	116.4	117.4	131.8	142.8	210.7	190.8	155.2	139.9	129.1
75°	771.6	186.2	94.9	93.6	98.8	116.1	180.0	171.5	139.6	116.1	110.6
77.5°	408.0	110.2	73.1	73.4	70.1	89.0	142.8	149.0	123.9	97.8	92.3
80°	139.6	66.2	52.5	54.8	49.6	63.6	106.0	123.9	106.0	81.5	72.1
82.5°	63.9	40.4	37.5	39.1	35.5	43.0	72.7	93.9	84.5	59.4	47.9
85°	32.3	24.1	24.1	26.4	23.5	22.2	40.1	62.3	62.0	40.8	35.2
87.5°	13.4	11.7	11.1	12.7	11.1	8.5	11.4	22.5	32.6	24.5	15.7
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)