

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: P672210

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672210  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-722-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

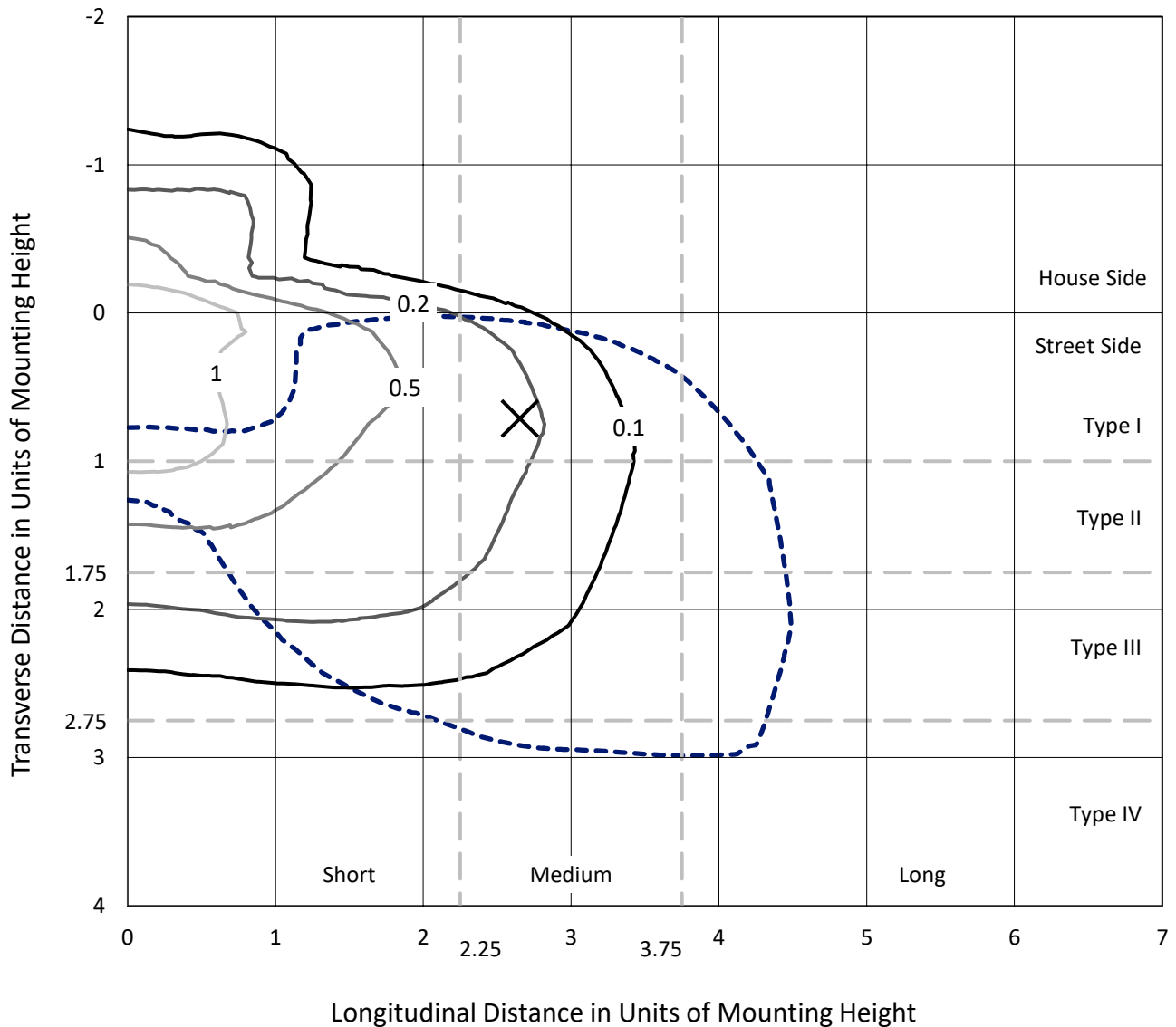
Lumens per Lamp: N/A  
Luminaire Lumens: 2048.2 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U0 - G1

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

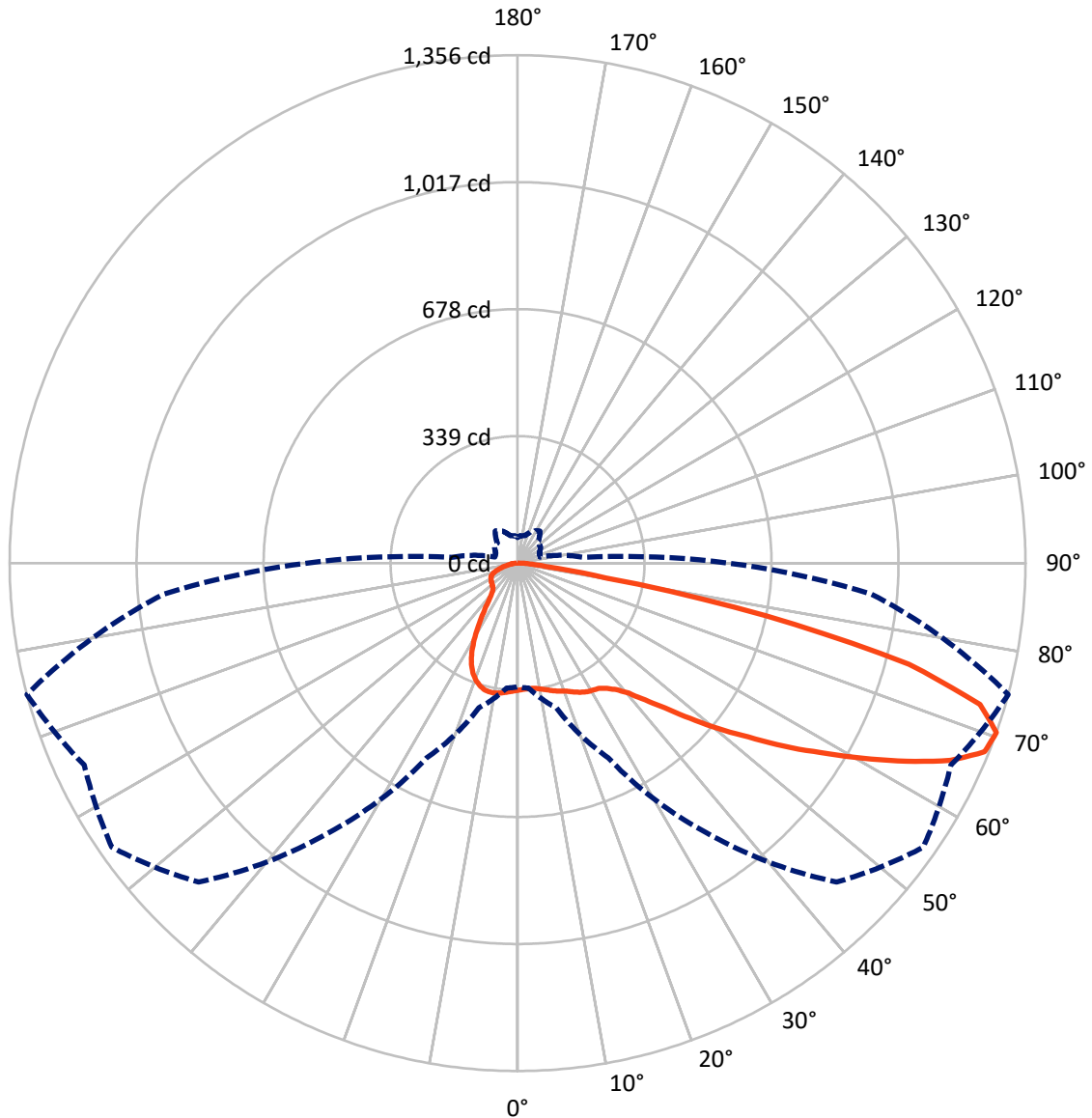
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 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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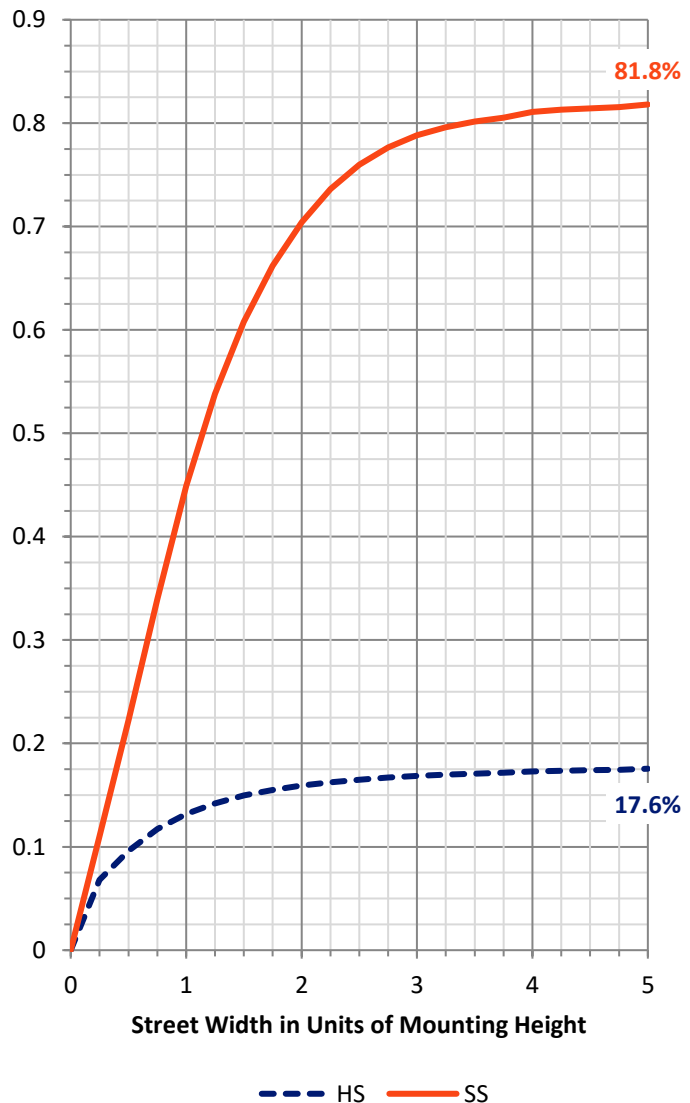
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	364.4	0.0	364.4
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	1683.8	0.0	1683.8
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	2048.2	0.0	2048.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.5	1.5
10°-20°	81.3	4.0
20°-30°	137.0	6.7
30°-40°	208.1	10.2
40°-50°	298.2	14.6
50°-60°	395.3	19.3
60°-70°	494.7	24.2
70°-80°	361.3	17.6
80°-90°	41.7	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°	2048.2	100.0
0°-180°	2048.2	100.0



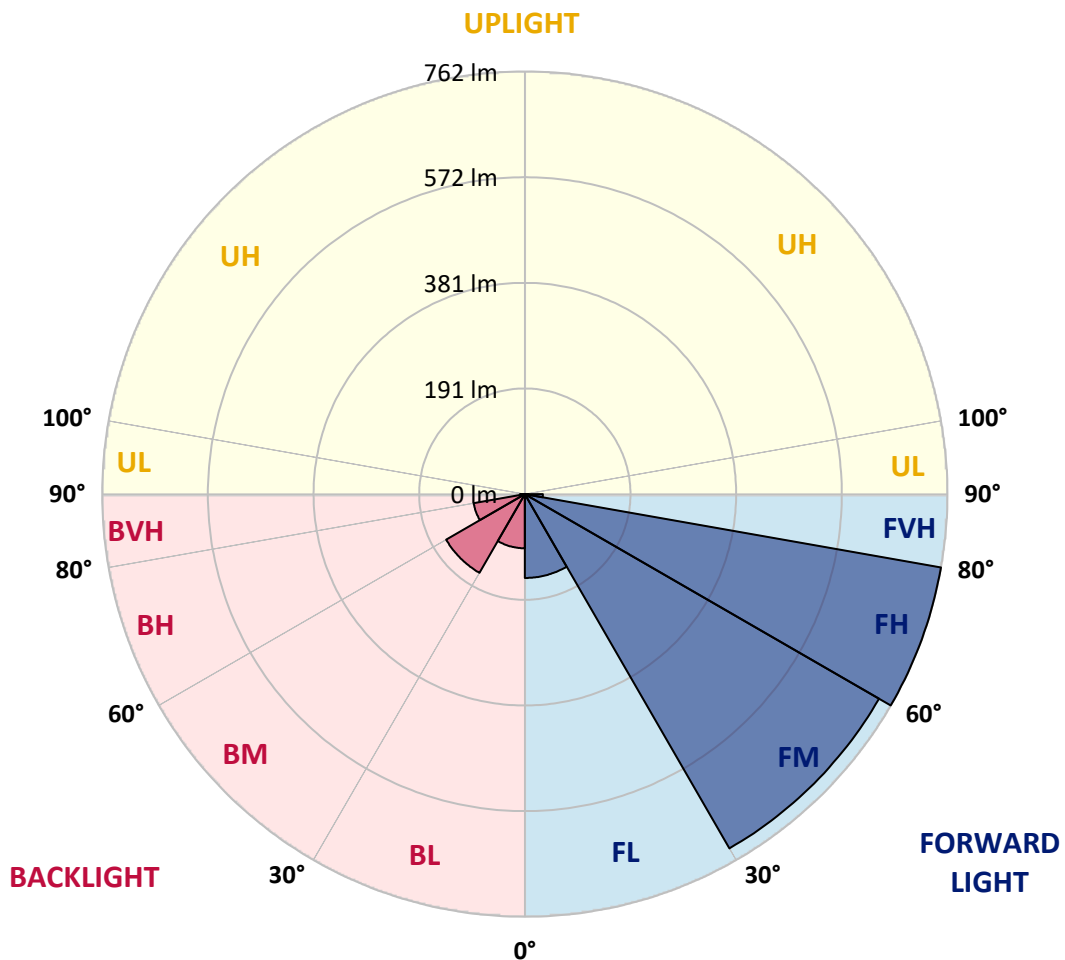
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.2	7.4			
FM (30°-60°)	737.8	36.0			
FH (60°-80°)	762.3	37.2			G1/1800
FVH (80°-90°)	32.5	1.6			G1/100
BL (0°-30°)	97.7	4.8	B0/110		
BM (30°-60°)	163.8	8.0	B0/220		
BH (60°-80°)	93.7	4.6	B0/110		G0/110
BVH (80°-90°)	9.1	0.4			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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3
2.5°	320.7	322.5	324.1	325.7	327.0	330.6	331.3	335.1	336.2	337.1	338.2
5°	302.7	304.0	305.7	308.3	311.1	317.5	321.9	330.3	335.0	336.5	340.6
7.5°	293.0	293.4	295.6	297.9	301.1	307.3	313.3	326.5	335.9	337.5	346.3
10°	285.9	286.5	288.6	291.7	294.9	300.7	308.2	323.8	339.1	341.6	354.2
12.5°	283.4	283.1	285.5	287.5	292.1	299.3	307.1	323.9	343.5	347.1	365.5
15°	293.4	291.5	293.0	292.3	293.7	300.8	310.1	327.2	349.0	353.4	377.3
17.5°	315.5	313.9	312.9	306.6	302.4	306.4	315.3	331.8	354.7	359.5	387.9
20°	348.6	344.0	340.2	329.5	318.1	316.7	322.9	336.3	360.2	364.8	399.1
22.5°	386.1	382.5	376.3	357.7	339.9	331.0	332.6	344.7	368.2	373.2	411.9
25°	433.6	433.5	420.8	395.7	368.8	350.9	347.5	358.1	377.2	382.0	422.5
27.5°	487.7	484.0	469.0	436.7	402.8	375.5	367.6	371.8	384.4	389.4	431.1
30°	534.0	534.4	519.1	483.9	439.1	399.6	384.5	381.7	389.1	394.1	439.1
32.5°	583.5	581.0	567.0	530.7	478.3	425.3	395.4	388.8	394.0	398.7	450.1
35°	630.1	627.3	615.2	576.1	521.4	453.8	410.2	399.8	405.4	410.6	463.7
37.5°	674.4	674.9	661.2	623.9	563.3	487.4	432.0	416.5	422.5	428.3	484.3
40°	713.2	711.0	700.4	666.8	606.8	521.6	456.6	439.2	451.0	456.3	510.4
42.5°	725.6	725.4	729.5	708.9	652.5	562.3	487.2	474.6	491.2	499.2	542.4
45°	714.8	718.0	741.9	741.3	698.2	609.0	529.1	517.6	541.6	550.6	581.4
47.5°	704.2	709.1	741.5	759.9	739.1	660.4	580.5	572.0	606.5	619.4	622.0
50°	688.7	693.3	731.9	762.6	764.2	712.4	647.2	636.4	680.8	694.0	666.0
52.5°	671.5	675.0	715.0	760.6	776.1	753.1	712.4	709.4	760.3	771.1	710.8
55°	576.3	591.3	690.0	756.5	784.4	784.2	776.0	786.1	847.2	863.2	760.8
57.5°	521.6	529.5	619.9	754.2	799.8	813.0	841.6	863.4	939.9	954.3	815.9
60°	503.8	510.8	584.7	751.4	830.6	857.9	905.7	941.0	1039.5	1057.2	877.5
62.5°	487.5	496.1	570.4	729.1	867.9	929.1	982.2	1025.0	1144.6	1165.5	938.8
65°	454.5	460.6	544.1	710.4	903.3	1030.6	1092.5	1117.6	1246.4	1270.0	979.5
67.5°	397.5	403.2	485.0	667.3	926.3	1136.3	1213.3	1213.4	1325.1	1344.4	988.1
70°	330.4	334.9	399.8	573.6	878.4	1204.1	1322.2	1276.0	1347.4	1355.8	947.4
72.5°	236.3	240.1	292.8	424.0	720.3	1149.1	1346.9	1273.4	1293.4	1290.8	831.7
75°	145.6	153.0	179.4	258.8	447.6	904.2	1212.2	1153.9	1086.1	1078.7	626.2
77.5°	94.9	98.7	121.3	152.7	197.5	519.1	920.7	865.1	685.8	677.2	336.6
80°	57.0	63.4	79.4	95.9	89.5	198.5	525.7	429.8	242.3	239.6	103.5
82.5°	30.7	36.4	56.0	59.4	50.3	70.2	190.4	139.7	77.5	76.6	38.8
85°	24.3	27.1	40.2	37.6	28.4	35.5	74.3	58.2	39.8	38.9	14.6
87.5°	14.7	18.6	30.5	25.3	14.1	12.8	34.0	27.6	18.7	17.4	5.7
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°	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3	339.3
2.5°	340.5	341.2	341.9	340.5	341.0	340.3	340.3	340.3	338.4	337.8	339.6
5°	343.7	344.7	345.3	340.7	337.9	333.8	330.4	325.3	322.3	320.4	320.4
7.5°	350.3	351.5	348.9	338.7	328.8	317.8	306.4	297.0	290.2	287.2	288.1
10°	360.1	360.5	351.7	332.9	311.9	291.4	275.3	262.8	254.4	250.1	249.5
12.5°	371.4	369.5	352.2	320.3	289.0	261.5	241.9	225.6	214.9	210.8	208.7
15°	382.6	378.0	350.0	305.1	263.1	229.9	204.9	189.5	182.9	181.0	180.2
17.5°	392.6	384.1	342.7	283.3	233.0	193.1	174.6	169.2	169.9	171.7	172.4
20°	401.8	388.6	332.1	257.3	195.4	164.3	159.8	164.8	168.9	171.6	172.0
22.5°	411.8	393.1	317.3	225.8	164.6	151.1	156.5	162.3	166.4	169.0	169.5
25°	419.5	392.9	296.5	188.4	145.2	147.5	154.0	159.2	162.3	164.2	164.0
27.5°	424.3	389.4	269.3	157.6	137.5	145.0	151.2	154.6	156.4	157.8	157.7
30°	425.8	382.6	234.9	134.9	134.0	142.7	147.4	149.4	150.8	152.2	152.2
32.5°	428.7	372.1	197.1	122.2	131.3	140.3	143.1	144.7	143.7	140.0	139.3
35°	432.0	360.5	161.2	116.3	128.8	138.7	141.3	137.1	125.9	124.4	123.8
37.5°	438.3	349.7	130.9	112.2	128.2	139.6	141.8	124.7	115.3	110.7	109.9
40°	449.1	339.0	110.5	109.2	129.0	143.4	135.9	118.8	103.2	94.5	93.0
42.5°	463.2	325.9	99.0	107.7	131.0	149.6	133.8	110.4	93.3	87.4	86.5
45°	479.6	308.5	93.6	107.4	133.5	152.7	134.4	103.6	88.9	84.3	84.0
47.5°	496.5	291.4	91.2	107.1	136.6	151.4	126.3	101.5	87.1	85.8	86.7
50°	514.8	271.9	89.3	106.4	139.1	151.4	121.9	101.1	87.7	90.6	93.6
52.5°	531.9	255.6	87.1	104.2	140.2	148.7	120.6	102.7	88.6	87.8	88.7
55°	552.7	247.2	85.9	101.1	138.2	140.6	118.9	107.1	89.3	83.3	83.3
57.5°	576.4	245.4	84.2	97.0	132.1	129.4	118.8	109.8	87.4	81.8	80.8
60°	605.0	249.2	81.9	91.8	124.5	120.7	117.8	109.8	84.3	79.3	79.7
62.5°	628.1	248.8	80.6	87.3	114.5	111.7	115.8	108.3	83.1	79.0	78.8
65°	633.6	239.3	76.8	81.4	102.1	100.8	113.8	104.6	81.5	77.4	76.2
67.5°	615.2	218.0	71.0	73.5	89.0	89.2	110.1	99.8	79.3	76.5	74.6
70°	562.9	176.3	62.5	64.1	74.9	76.8	104.6	94.0	75.6	72.7	68.1
72.5°	471.0	126.7	52.6	53.1	59.5	64.6	95.2	86.2	70.2	63.2	58.4
75°	348.7	84.2	42.9	42.3	44.7	52.5	81.4	77.5	63.1	52.5	50.0
77.5°	184.4	49.8	33.0	33.2	31.7	40.2	64.6	67.4	56.0	44.2	41.7
80°	63.1	29.9	23.7	24.8	22.4	28.7	47.9	56.0	47.9	36.8	32.6
82.5°	28.9	18.3	16.9	17.7	16.1	19.5	32.9	42.4	38.2	26.8	21.7
85°	14.6	10.9	10.9	11.9	10.6	10.0	18.1	28.2	28.0	18.4	15.9
87.5°	6.0	5.3	5.0	5.7	5.0	3.8	5.2	10.2	14.7	11.1	7.1
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)