

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: P672067

Luminaire Tested: **CCP-SA-1B-722-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672067  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-722-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

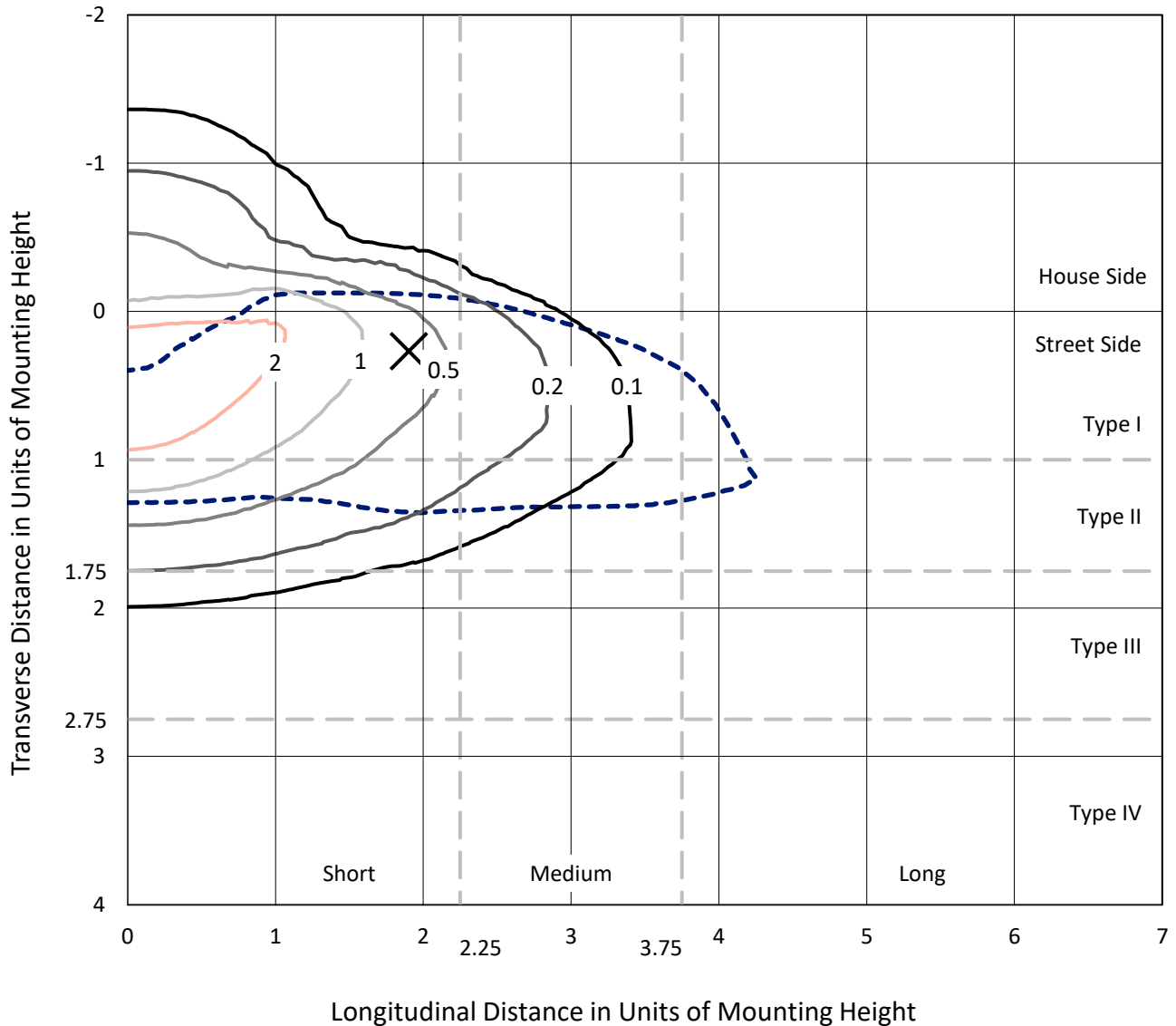
Lumens per Lamp: N/A  
Luminaire Lumens: 2584 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

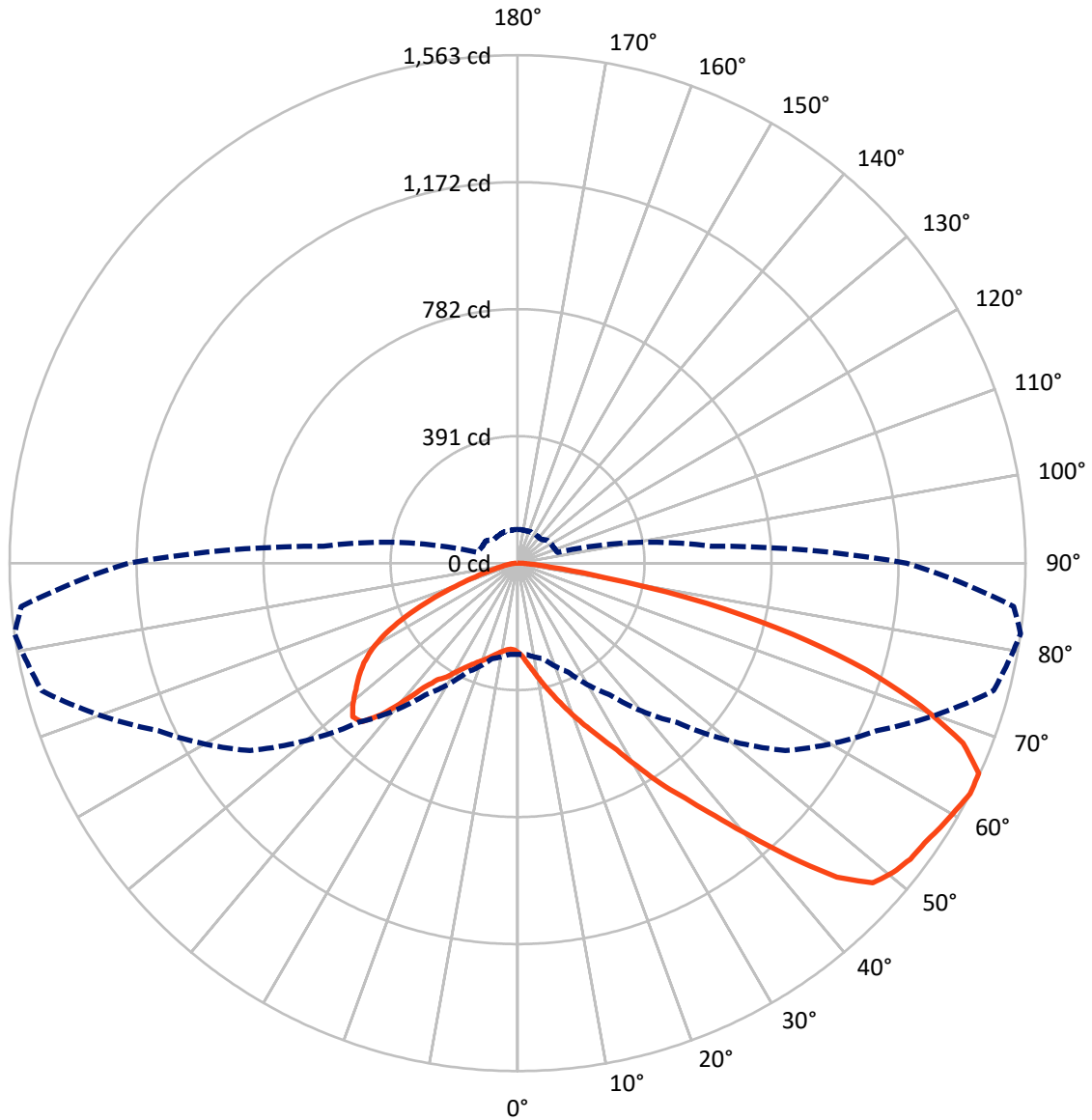
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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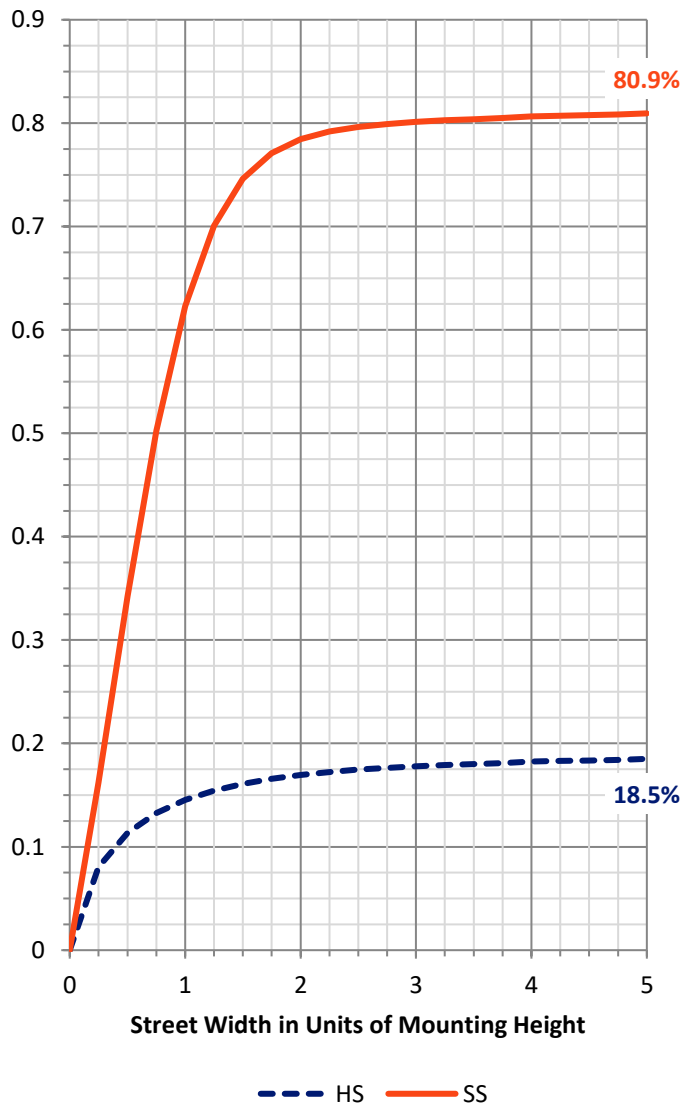
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	486.8	0.0	486.8
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	2097.2	0.0	2097.2
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	2584.0	0.0	2584.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.4	1.2
10°-20°	114.7	4.4
20°-30°	237.5	9.2
30°-40°	403.1	15.6
40°-50°	549.0	21.2
50°-60°	555.7	21.5
60°-70°	437.9	16.9
70°-80°	215.7	8.3
80°-90°	39.9	1.5
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°	2584.0	100.0
0°-180°	2584.0	100.0



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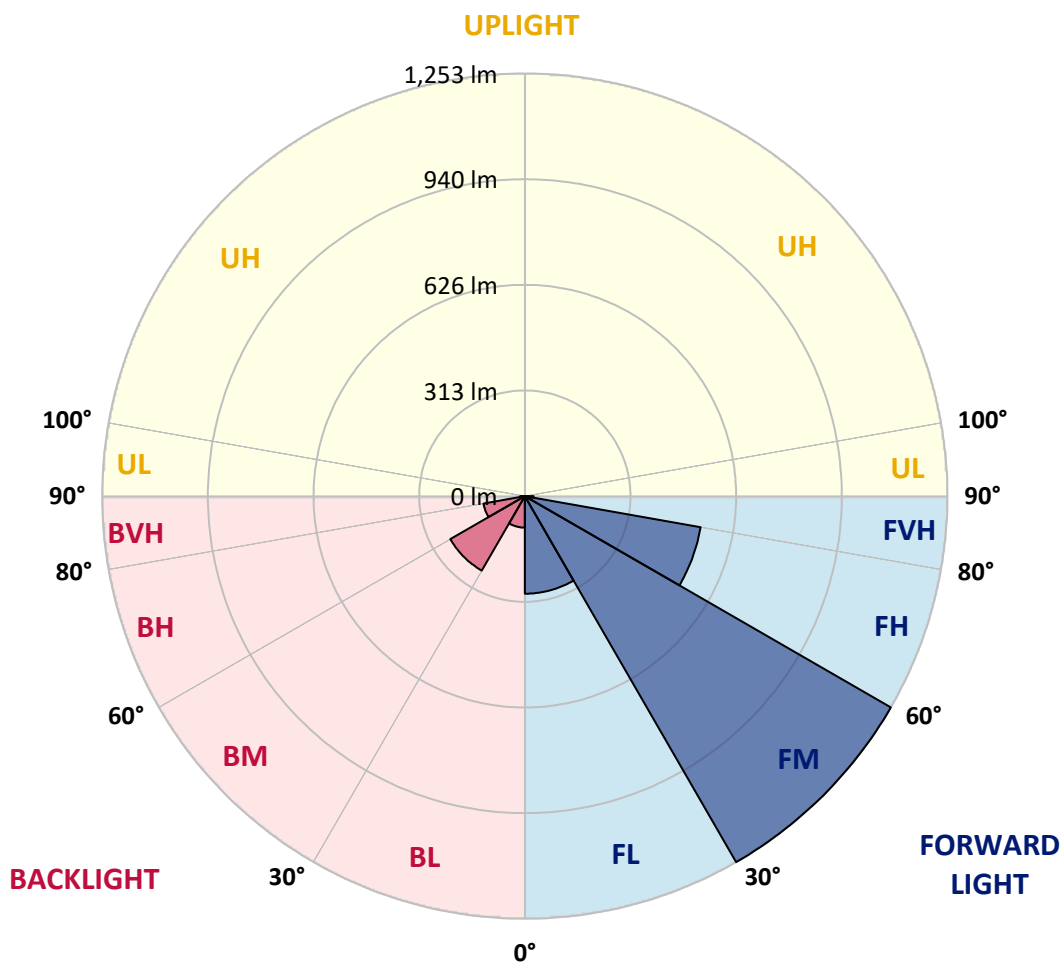
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.2	11.2			
FM (30°-60°)	1252.8	48.5			
FH (60°-80°)	529.2	20.5			G0/660
FVH (80°-90°)	25.9	1.0			G1/100
BL (0°-30°)	93.4	3.6	B0/110		
BM (30°-60°)	255.0	9.9	B1/1000		
BH (60°-80°)	124.4	4.8	B1/500		G1/500
BVH (80°-90°)	14.0	0.5			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	274.8	274.8	274.8	274.8	274.8	274.8	274.8	274.8	274.8	274.8	274.8
2.5°	366.0	360.4	357.4	354.0	344.7	338.8	327.6	314.6	299.5	286.7	284.3
5°	443.2	437.6	438.3	430.1	416.6	403.9	383.1	358.5	329.9	307.9	300.3
7.5°	497.7	491.5	493.0	489.7	478.7	464.7	438.3	406.7	364.8	332.3	320.0
10°	534.1	534.9	536.0	534.7	527.6	517.8	491.5	456.6	404.5	361.1	344.4
12.5°	575.4	577.5	577.1	577.7	574.0	566.1	540.5	507.5	446.7	392.2	370.4
15°	628.1	626.1	627.7	630.1	626.1	617.5	594.8	555.7	491.0	426.8	399.8
17.5°	685.8	681.5	686.0	683.5	680.6	675.0	650.1	608.4	536.7	464.2	432.6
20°	735.6	732.8	735.3	735.6	736.2	735.1	709.4	665.1	584.7	504.9	467.9
22.5°	791.6	790.3	790.0	790.1	790.7	792.0	774.5	727.3	638.0	547.7	506.1
25°	870.0	868.7	860.1	850.6	845.0	849.1	840.0	797.8	696.8	595.7	547.9
27.5°	957.8	955.7	944.4	920.4	902.5	905.5	904.6	875.5	764.5	650.8	598.1
30°	1048.9	1043.9	1028.3	994.6	966.5	961.3	963.9	954.2	849.7	723.9	668.1
32.5°	1130.2	1120.9	1100.3	1066.2	1032.8	1017.7	1018.1	1022.3	942.3	809.1	741.4
35°	1179.9	1173.8	1158.3	1123.9	1086.5	1076.5	1073.7	1095.1	1027.4	888.0	807.1
37.5°	1206.7	1200.8	1184.2	1156.5	1128.2	1124.1	1129.3	1162.4	1123.9	986.4	896.4
40°	1201.9	1195.5	1184.8	1165.4	1146.8	1150.0	1173.0	1224.2	1229.4	1104.2	1023.6
42.5°	1162.1	1155.4	1154.4	1153.1	1144.4	1158.3	1200.0	1269.4	1326.3	1240.2	1177.7
45°	1091.7	1087.6	1092.5	1114.8	1125.8	1152.8	1212.7	1291.4	1411.5	1378.4	1323.4
47.5°	1002.6	1000.2	1011.2	1046.5	1082.1	1135.6	1221.0	1297.3	1470.2	1470.2	1418.8
50°	902.9	902.0	916.5	967.8	1023.5	1104.2	1220.1	1302.9	1495.8	1497.1	1452.5
52.5°	763.7	768.6	807.3	875.0	950.5	1054.9	1207.1	1318.5	1510.3	1513.3	1475.0
55°	603.4	608.0	666.4	757.6	854.3	995.0	1168.2	1313.9	1513.1	1519.8	1487.8
57.5°	481.7	482.6	519.1	627.4	747.2	918.3	1123.4	1283.0	1504.9	1534.2	1507.5
60°	376.9	379.9	404.3	490.1	622.9	819.5	1073.3	1252.5	1509.6	1547.7	1525.4
62.5°	280.7	281.5	304.2	370.6	494.9	693.6	1005.4	1219.9	1516.1	1563.0	1532.7
65°	182.9	182.7	204.7	264.6	369.7	557.6	898.8	1168.9	1516.7	1559.6	1499.4
67.5°	116.3	117.0	126.5	164.3	247.4	420.8	753.7	1074.2	1490.2	1478.5	1378.1
70°	94.3	94.5	97.5	107.3	150.7	287.6	566.5	926.1	1406.7	1316.8	1197.8
72.5°	84.1	84.3	85.8	86.9	100.5	172.8	371.7	752.0	1258.2	1122.4	993.7
75°	75.5	75.5	76.5	75.3	82.4	108.5	211.0	565.4	1036.3	874.1	750.7
77.5°	66.2	66.0	66.0	65.5	71.3	79.3	105.7	394.6	746.4	596.1	486.9
80°	56.2	55.8	56.4	56.0	61.6	60.1	61.6	243.5	404.7	273.3	207.3
82.5°	43.7	43.7	45.4	45.8	50.8	43.5	43.3	115.5	153.7	102.1	76.5
85°	22.9	25.7	34.6	36.1	38.3	27.3	31.8	54.0	61.6	39.1	27.9
87.5°	6.9	7.3	21.2	23.8	23.6	13.8	19.5	26.0	28.8	17.3	11.3
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°	274.8	274.8	274.8	274.8	274.8	274.8	274.8	274.8	274.8	274.8	274.8
2.5°	278.1	271.6	257.9	245.6	236.3	227.4	221.2	218.0	214.0	214.5	213.2
5°	286.7	273.3	248.9	229.2	216.0	206.0	199.8	196.7	193.7	192.2	193.3
7.5°	299.5	278.7	244.7	220.8	207.1	198.5	195.2	194.2	193.5	192.9	193.9
10°	316.1	288.2	243.9	217.9	205.2	200.0	198.7	198.1	197.4	196.7	197.2
12.5°	333.0	298.6	246.5	218.6	208.2	204.3	202.6	201.9	200.0	199.1	199.3
15°	354.2	311.3	250.0	221.6	212.1	207.1	204.8	202.8	199.8	198.5	199.1
17.5°	376.9	326.3	254.9	224.4	213.6	207.4	203.0	200.0	197.0	195.2	195.4
20°	402.6	341.2	259.2	225.3	212.8	204.3	198.9	195.4	191.4	189.4	188.8
22.5°	429.2	356.8	262.5	224.6	208.7	198.9	192.7	188.5	183.8	180.7	180.8
25°	461.6	378.1	265.3	222.0	203.4	191.8	184.9	179.5	174.7	171.7	171.9
27.5°	500.5	402.1	268.7	217.9	196.8	184.2	176.2	170.8	166.1	163.4	163.0
30°	552.4	433.3	272.4	212.8	188.7	175.8	168.0	162.4	158.0	155.4	155.4
32.5°	610.8	471.4	275.0	206.9	179.5	166.9	159.8	155.4	152.0	148.5	148.1
35°	661.6	501.0	283.0	202.2	171.5	158.5	153.7	150.5	145.5	142.1	141.6
37.5°	736.2	553.1	306.6	200.9	161.9	152.0	151.1	145.1	139.4	133.0	132.5
40°	856.4	643.4	334.1	194.6	151.8	148.5	147.5	139.5	126.0	122.0	121.3
42.5°	1009.3	752.0	337.1	176.2	144.7	145.5	142.7	127.1	121.1	118.1	117.4
45°	1147.4	840.2	320.2	157.4	139.5	141.0	135.3	122.4	119.1	116.3	115.5
47.5°	1224.9	867.4	288.2	143.3	135.6	137.1	123.4	120.2	116.8	114.0	113.3
50°	1246.7	843.7	251.0	135.1	132.7	133.2	120.2	118.3	115.3	113.1	112.0
52.5°	1251.0	808.4	216.6	130.2	130.4	125.4	117.4	115.9	114.0	110.5	109.2
55°	1252.8	776.6	185.7	127.3	128.9	115.3	114.4	113.3	111.8	108.1	107.3
57.5°	1257.7	735.8	161.5	125.0	127.1	110.7	111.1	110.3	108.5	106.8	106.4
60°	1243.9	679.4	142.9	122.8	124.5	106.8	107.2	107.5	105.9	105.5	105.3
62.5°	1197.8	599.4	127.1	119.8	119.1	102.9	102.9	104.4	102.9	103.4	103.4
65°	1102.7	497.5	112.9	114.2	110.7	98.6	98.4	101.0	98.8	101.2	101.4
67.5°	940.7	376.6	98.4	105.5	102.0	94.1	94.9	96.9	94.0	99.0	99.0
70°	744.6	256.2	83.3	93.2	93.0	89.1	91.5	91.3	88.0	95.4	94.1
72.5°	554.6	164.5	67.9	78.1	81.3	83.7	88.2	84.3	81.1	85.4	81.5
75°	387.5	103.1	53.6	61.8	67.7	77.8	84.1	76.3	71.6	70.3	69.2
77.5°	232.0	65.9	42.2	47.1	52.8	70.7	78.9	67.9	60.8	60.1	57.9
80°	107.0	43.0	32.2	35.2	37.6	60.7	71.8	58.0	49.5	48.7	46.1
82.5°	48.4	28.3	24.0	25.1	25.3	48.2	60.7	46.0	37.8	61.2	53.0
85°	22.5	18.2	15.6	14.9	15.1	32.2	44.1	31.6	43.0	33.5	25.5
87.5°	9.7	9.3	8.0	6.3	5.8	6.9	16.9	13.2	18.8	7.4	5.0
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)