

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: P672310

Luminaire Tested: **CCP-SA-1B-835-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672310  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-835-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

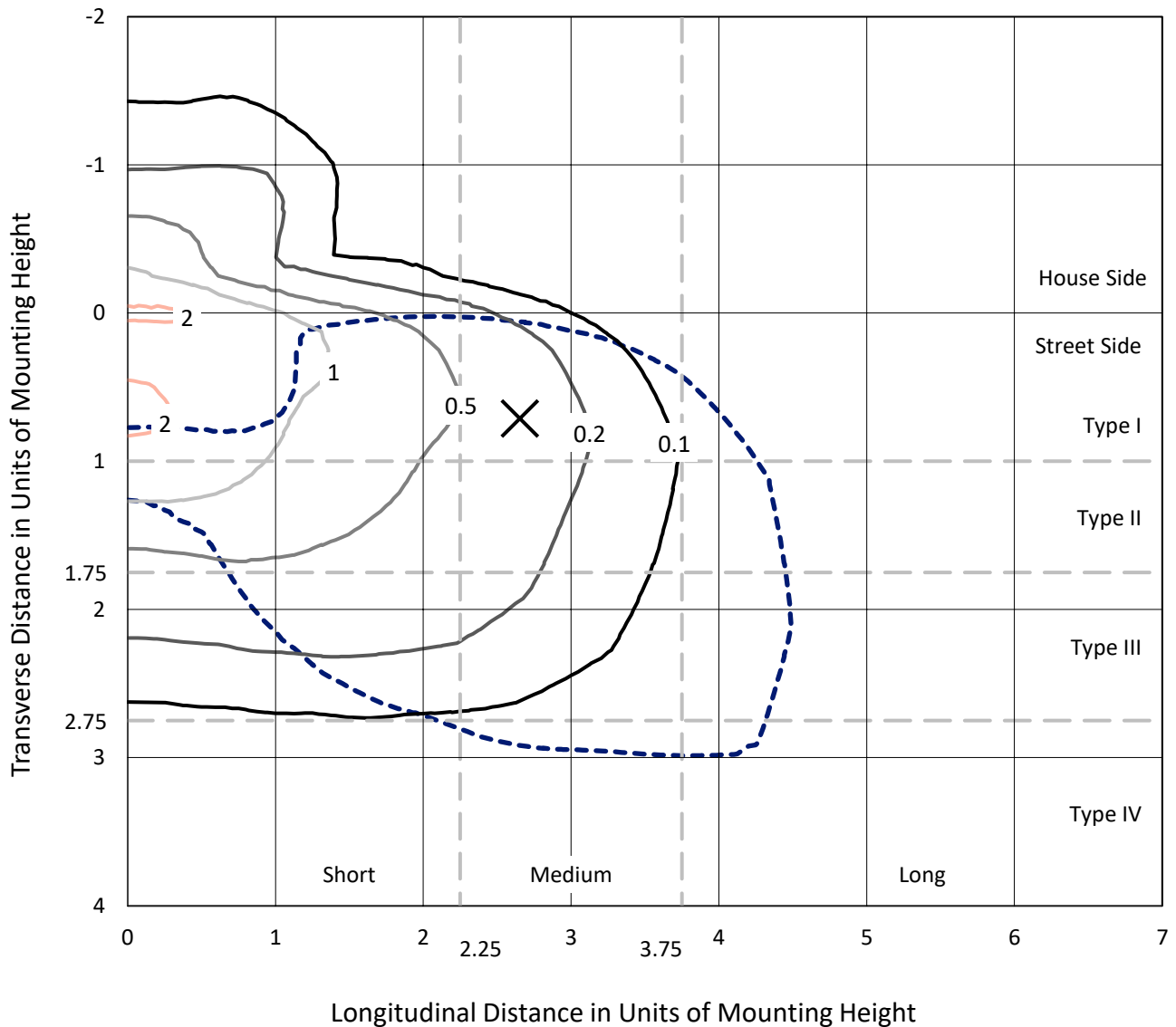
Lumens per Lamp: N/A  
Luminaire Lumens: 2892.4 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

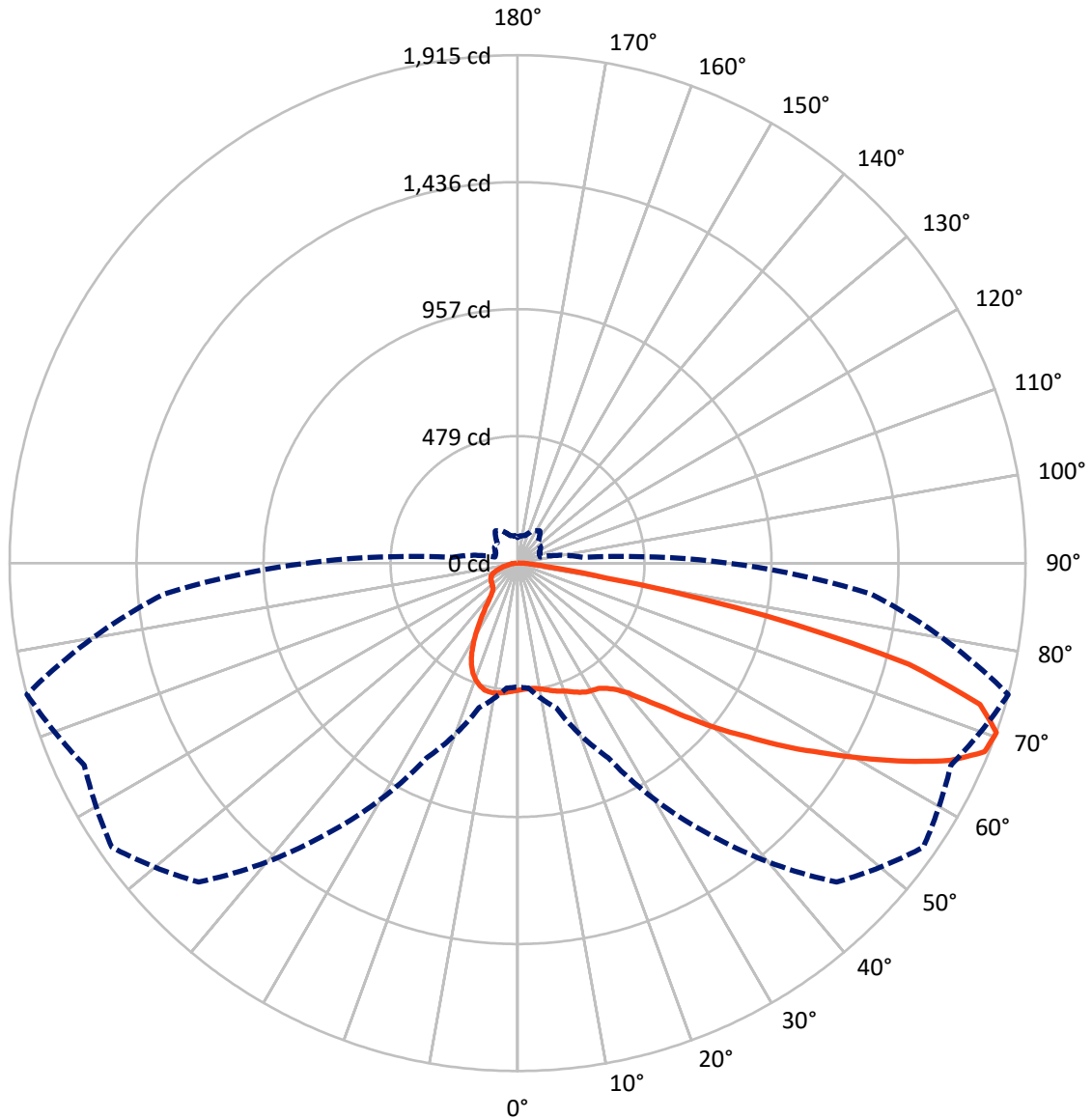
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 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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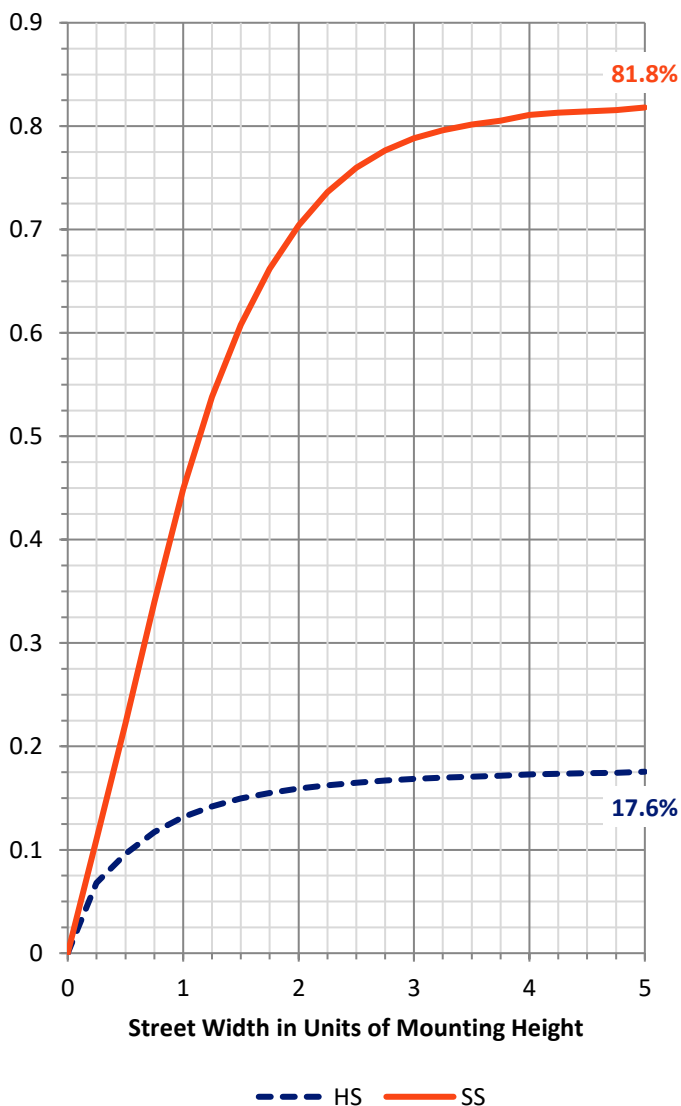
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	514.6	0.0	514.6
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	2377.8	0.0	2377.8
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	2892.4	0.0	2892.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.0	1.5
10°-20°	114.9	4.0
20°-30°	193.5	6.7
30°-40°	293.9	10.2
40°-50°	421.1	14.6
50°-60°	558.3	19.3
60°-70°	698.6	24.2
70°-80°	510.2	17.6
80°-90°	58.8	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°	2892.4	100.0
0°-180°	2892.4	100.0



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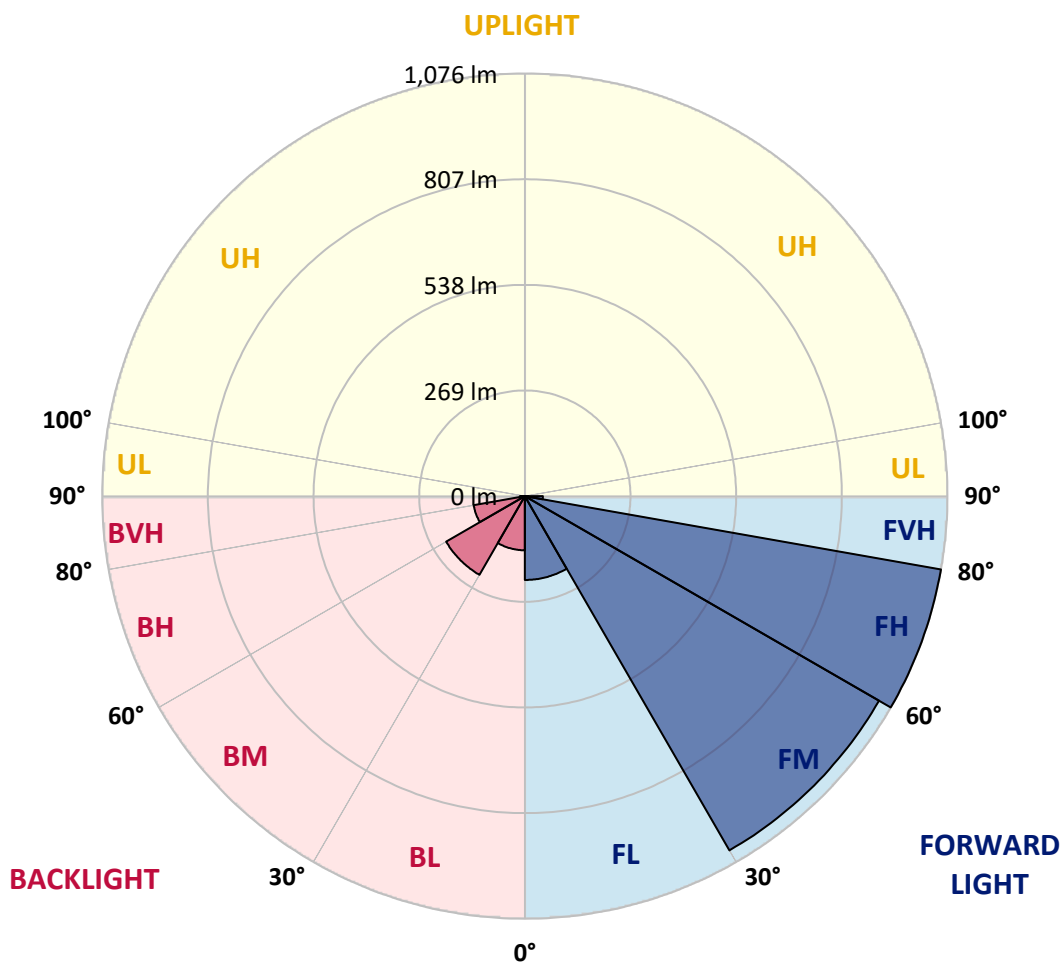
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.5	7.4			
FM	(30°-60°)	1041.9	36.0			
FH	(60°-80°)	1076.5	37.2			G1/1800
FVH	(80°-90°)	45.9	1.6			G1/100
BL	(0°-30°)	137.9	4.8	B1/500		
BM	(30°-60°)	231.4	8.0	B1/1000		
BH	(60°-80°)	132.4	4.6	B1/500		G1/500
BVH	(80°-90°)	12.9	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°	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1
2.5°	452.9	455.4	457.7	460.0	461.8	466.8	467.9	473.3	474.7	476.0	477.6
5°	427.5	429.4	431.7	435.4	439.4	448.3	454.5	466.4	473.1	475.2	481.0
7.5°	413.8	414.4	417.5	420.6	425.2	433.9	442.5	461.0	474.3	476.6	489.1
10°	403.8	404.6	407.5	411.9	416.5	424.6	435.2	457.3	478.9	482.4	500.1
12.5°	400.2	399.8	403.1	406.1	412.5	422.7	433.7	457.5	485.1	490.1	516.2
15°	414.4	411.7	413.8	412.7	414.8	424.8	437.9	462.0	492.8	499.1	532.8
17.5°	445.6	443.3	441.9	432.9	427.1	432.7	445.2	468.5	501.0	507.6	547.8
20°	492.2	485.8	480.4	465.4	449.1	447.3	456.0	474.9	508.7	515.1	563.6
22.5°	545.3	540.1	531.3	505.1	479.9	467.5	469.7	486.8	519.9	527.0	581.7
25°	612.3	612.1	594.2	558.8	520.7	495.5	490.8	505.7	532.6	539.5	596.7
27.5°	688.7	683.5	662.3	616.7	568.8	530.3	519.1	525.1	542.8	549.9	608.8
30°	754.0	754.7	733.0	683.3	620.0	564.2	543.0	539.0	549.5	556.5	620.0
32.5°	824.0	820.4	800.7	749.5	675.4	600.7	558.4	549.0	556.3	563.0	635.6
35°	889.7	885.8	868.7	813.6	736.4	640.8	579.2	564.6	572.6	579.8	654.8
37.5°	952.4	953.0	933.7	881.0	795.5	688.3	610.0	588.2	596.7	604.8	683.9
40°	1007.1	1004.0	989.0	941.6	856.9	736.6	644.8	620.2	636.9	644.4	720.7
42.5°	1024.6	1024.4	1030.2	1001.1	921.4	794.0	688.1	670.2	693.7	704.9	765.9
45°	1009.4	1014.0	1047.7	1046.9	985.9	860.0	747.2	730.9	764.9	777.6	821.1
47.5°	994.4	1001.3	1047.1	1073.1	1043.8	932.6	819.8	807.7	856.4	874.8	878.3
50°	972.6	979.0	1033.6	1076.8	1079.1	1006.1	913.9	898.7	961.3	980.1	940.5
52.5°	948.2	953.2	1009.6	1074.1	1096.0	1063.5	1006.1	1001.7	1073.7	1088.9	1003.8
55°	813.8	835.0	974.4	1068.3	1107.6	1107.4	1095.8	1110.1	1196.3	1219.0	1074.3
57.5°	736.6	747.8	875.4	1065.0	1129.5	1148.0	1188.4	1219.2	1327.2	1347.6	1152.2
60°	711.4	721.4	825.6	1061.0	1173.0	1211.5	1278.9	1328.9	1467.9	1492.9	1239.2
62.5°	688.5	700.6	805.4	1029.6	1225.7	1312.0	1387.0	1447.5	1616.3	1645.9	1325.8
65°	641.9	650.4	768.4	1003.2	1275.6	1455.4	1542.8	1578.2	1760.1	1793.4	1383.2
67.5°	561.3	569.4	684.9	942.4	1308.1	1604.7	1713.3	1713.5	1871.3	1898.5	1395.3
70°	466.6	472.9	564.6	810.0	1240.4	1700.4	1867.1	1802.0	1902.7	1914.6	1337.8
72.5°	333.6	339.0	413.5	598.8	1017.1	1622.8	1902.1	1798.2	1826.5	1822.8	1174.5
75°	205.6	216.0	253.3	365.5	632.1	1276.9	1711.8	1629.4	1533.7	1523.3	884.3
77.5°	134.0	139.4	171.3	215.6	278.9	733.0	1300.2	1221.7	968.4	956.3	475.4
80°	80.5	89.5	112.2	135.5	126.3	280.3	742.4	606.9	342.2	338.4	146.1
82.5°	43.3	51.4	79.1	83.9	71.0	99.1	268.9	197.3	109.5	108.2	54.7
85°	34.3	38.3	56.8	53.1	40.2	50.2	104.9	82.2	56.2	54.9	20.6
87.5°	20.8	26.2	43.1	35.8	20.0	18.1	48.1	38.9	26.4	24.6	8.1
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°	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1	479.1
2.5°	480.8	481.8	482.9	480.8	481.6	480.6	480.6	480.6	477.9	477.0	479.5
5°	485.4	486.8	487.6	481.2	477.2	471.4	466.6	459.3	455.2	452.5	452.5
7.5°	494.7	496.4	492.6	478.3	464.3	448.7	432.7	419.4	409.8	405.6	406.9
10°	508.5	509.1	496.6	470.2	440.4	411.5	388.8	371.1	359.2	353.2	352.4
12.5°	524.5	521.8	497.4	452.3	408.1	369.2	341.5	318.6	303.4	297.6	294.7
15°	540.3	533.8	494.3	430.8	371.5	324.7	289.3	267.7	258.3	255.6	254.5
17.5°	554.4	542.4	483.9	400.0	329.0	272.6	246.6	238.9	240.0	242.5	243.5
20°	567.4	548.8	468.9	363.4	276.0	232.1	225.6	232.7	238.5	242.3	242.9
22.5°	581.5	555.1	448.1	318.8	232.5	213.3	221.0	229.1	235.0	238.7	239.3
25°	592.3	554.9	418.8	266.0	205.0	208.3	217.5	224.8	229.1	231.9	231.6
27.5°	599.2	549.9	380.2	222.5	194.2	204.8	213.5	218.3	220.8	222.9	222.7
30°	601.3	540.3	331.8	190.4	189.2	201.5	208.1	211.0	212.9	215.0	215.0
32.5°	605.4	525.5	278.3	172.5	185.4	198.1	202.1	204.4	202.9	197.7	196.7
35°	610.0	509.1	227.7	164.2	181.9	195.8	199.6	193.6	177.7	175.7	174.8
37.5°	619.0	493.9	184.8	158.4	181.1	197.1	200.2	176.1	162.8	156.3	155.3
40°	634.2	478.7	156.1	154.2	182.1	202.5	191.9	167.7	145.7	133.4	131.3
42.5°	654.1	460.2	139.9	152.1	185.0	211.2	189.0	155.9	131.7	123.4	122.2
45°	677.2	435.6	132.2	151.7	188.6	215.6	189.8	146.3	125.5	119.0	118.6
47.5°	701.2	411.5	128.8	151.3	192.9	213.7	178.4	143.4	123.0	121.1	122.4
50°	727.0	384.0	126.1	150.3	196.5	213.7	172.1	142.8	123.8	128.0	132.2
52.5°	751.1	360.9	123.0	147.1	197.9	210.0	170.2	145.1	125.1	124.0	125.3
55°	780.5	349.0	121.3	142.8	195.2	198.6	168.0	151.3	126.1	117.6	117.6
57.5°	814.0	346.5	118.8	136.9	186.5	182.7	167.7	155.1	123.4	115.5	114.1
60°	854.4	351.9	115.7	129.7	175.9	170.5	166.3	155.1	119.0	112.0	112.6
62.5°	887.0	351.3	113.8	123.2	161.7	157.8	163.6	153.0	117.4	111.6	111.3
65°	894.7	338.0	108.4	114.9	144.2	142.4	160.7	147.8	115.1	109.3	107.6
67.5°	868.7	307.8	100.3	103.9	125.7	125.9	155.5	140.9	112.0	108.0	105.3
70°	794.8	248.9	88.2	90.5	105.7	108.4	147.8	132.8	106.8	102.6	96.2
72.5°	665.2	179.0	74.3	74.9	84.1	91.2	134.4	121.8	99.1	89.3	82.4
75°	492.4	118.8	60.6	59.7	63.1	74.1	114.9	109.5	89.1	74.1	70.6
77.5°	260.4	70.3	46.6	46.8	44.7	56.8	91.2	95.1	79.1	62.4	58.9
80°	89.1	42.2	33.5	35.0	31.6	40.6	67.6	79.1	67.6	52.0	46.0
82.5°	40.8	25.8	23.9	25.0	22.7	27.5	46.4	59.9	53.9	37.9	30.6
85°	20.6	15.4	15.4	16.9	15.0	14.2	25.6	39.8	39.5	26.0	22.5
87.5°	8.5	7.5	7.1	8.1	7.1	5.4	7.3	14.4	20.8	15.6	10.0
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)