

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: P673871

Luminaire Tested: **CCP-SA-1A-827-U-SL3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673871  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-827-U-SL3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SL3 distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

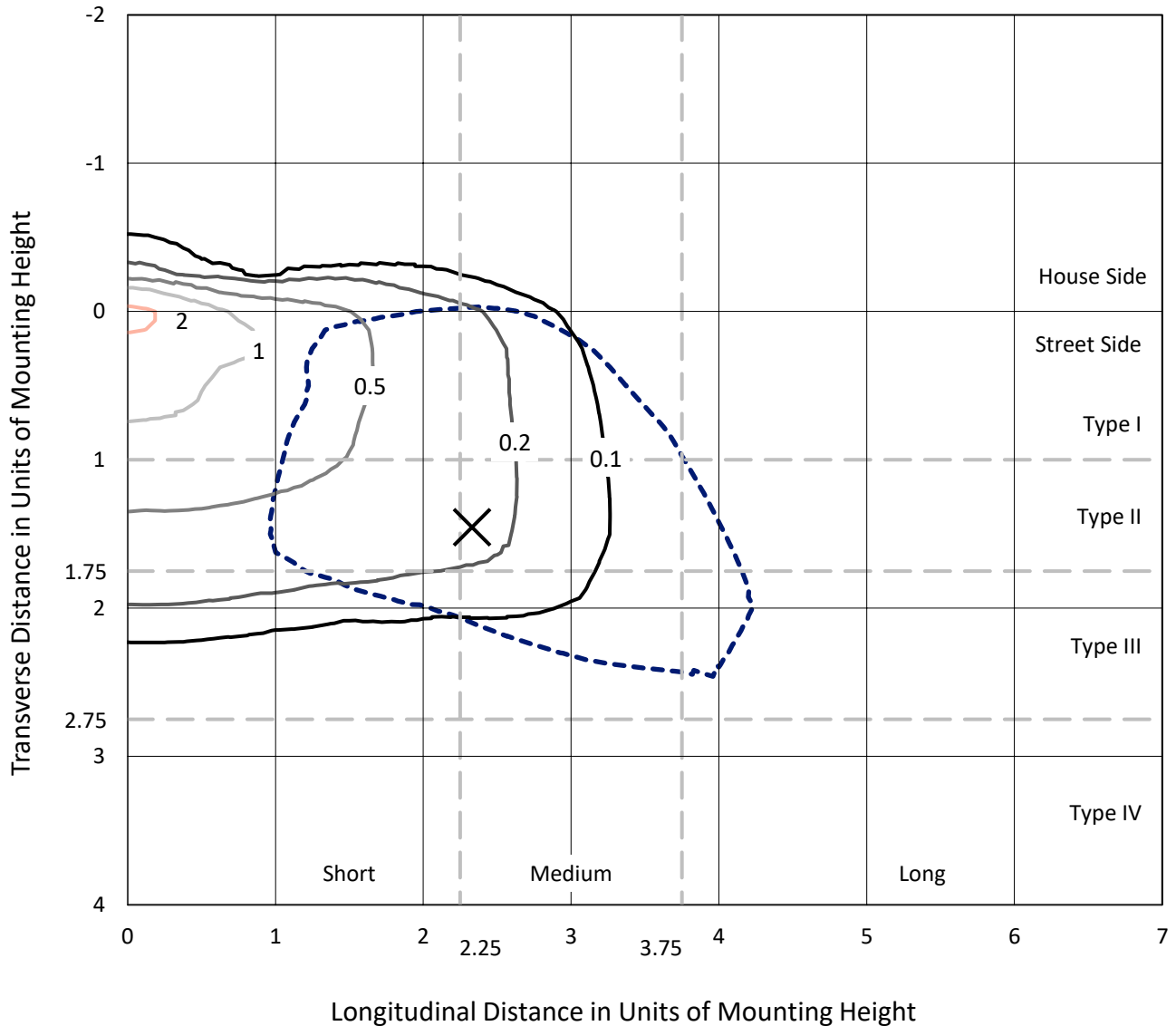
Lumens per Lamp: N/A  
Luminaire Lumens: 1661.9 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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

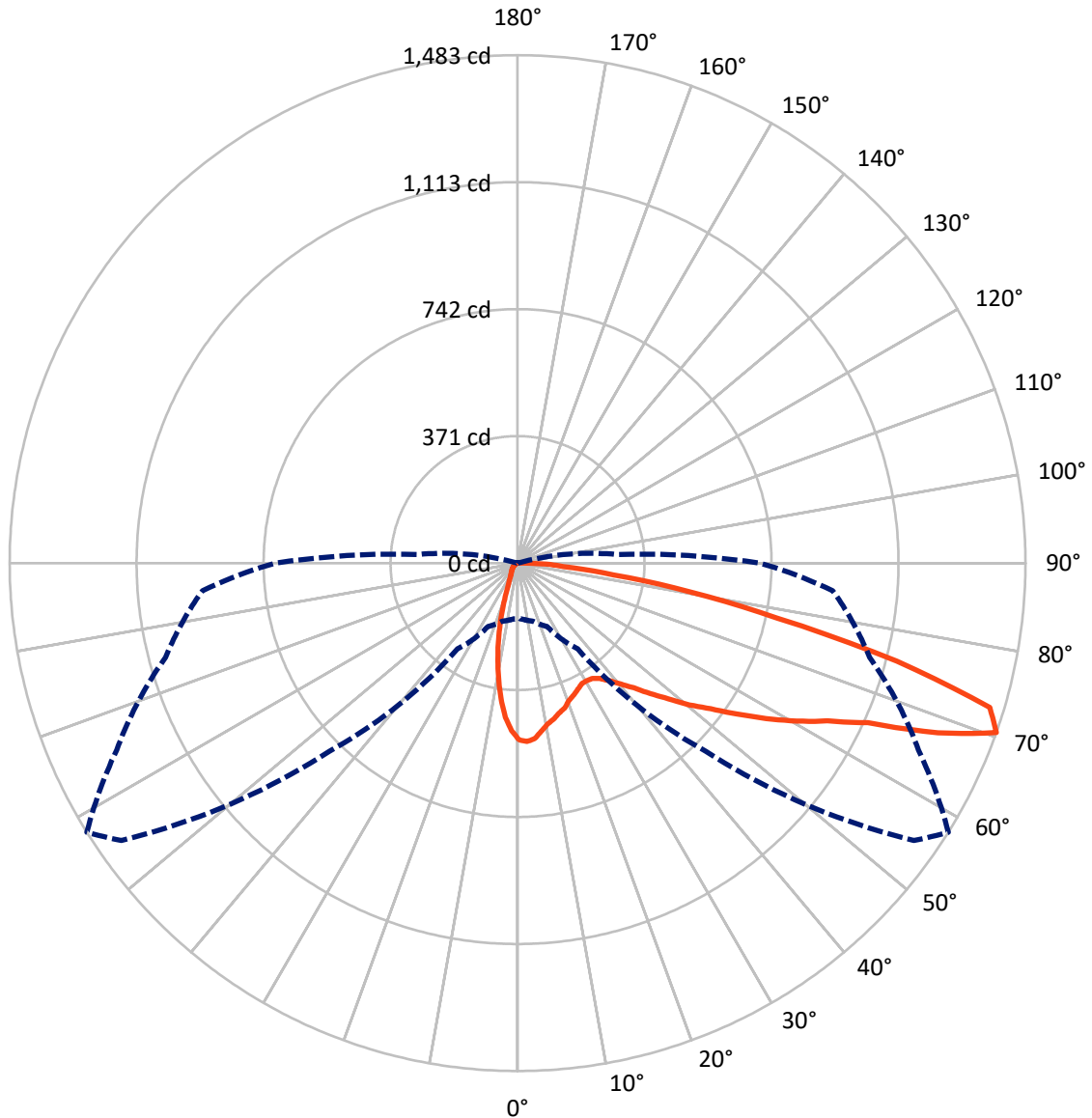
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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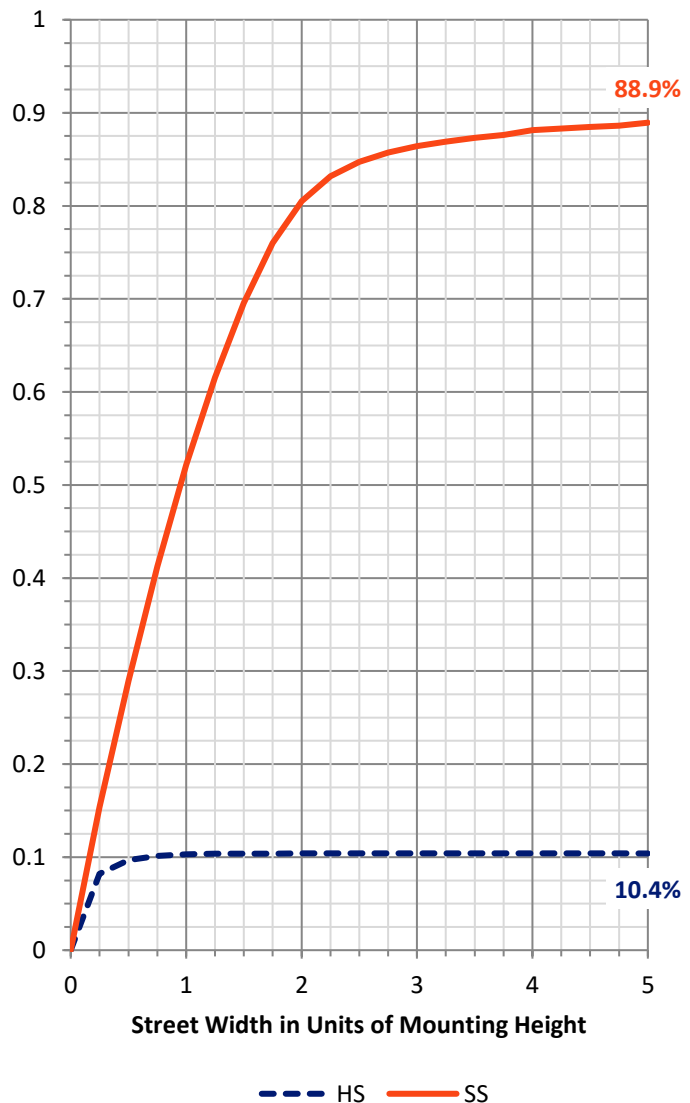
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	174.0	0.0	174.0
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	1487.8	0.0	1487.8
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	1661.9	0.0	1661.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.1	2.5
10°-20°	87.6	5.3
20°-30°	117.3	7.1
30°-40°	158.6	9.5
40°-50°	227.6	13.7
50°-60°	335.5	20.2
60°-70°	409.2	24.6
70°-80°	249.9	15.0
80°-90°	34.0	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°	1661.9	100.0
0°-180°	1661.9	100.0

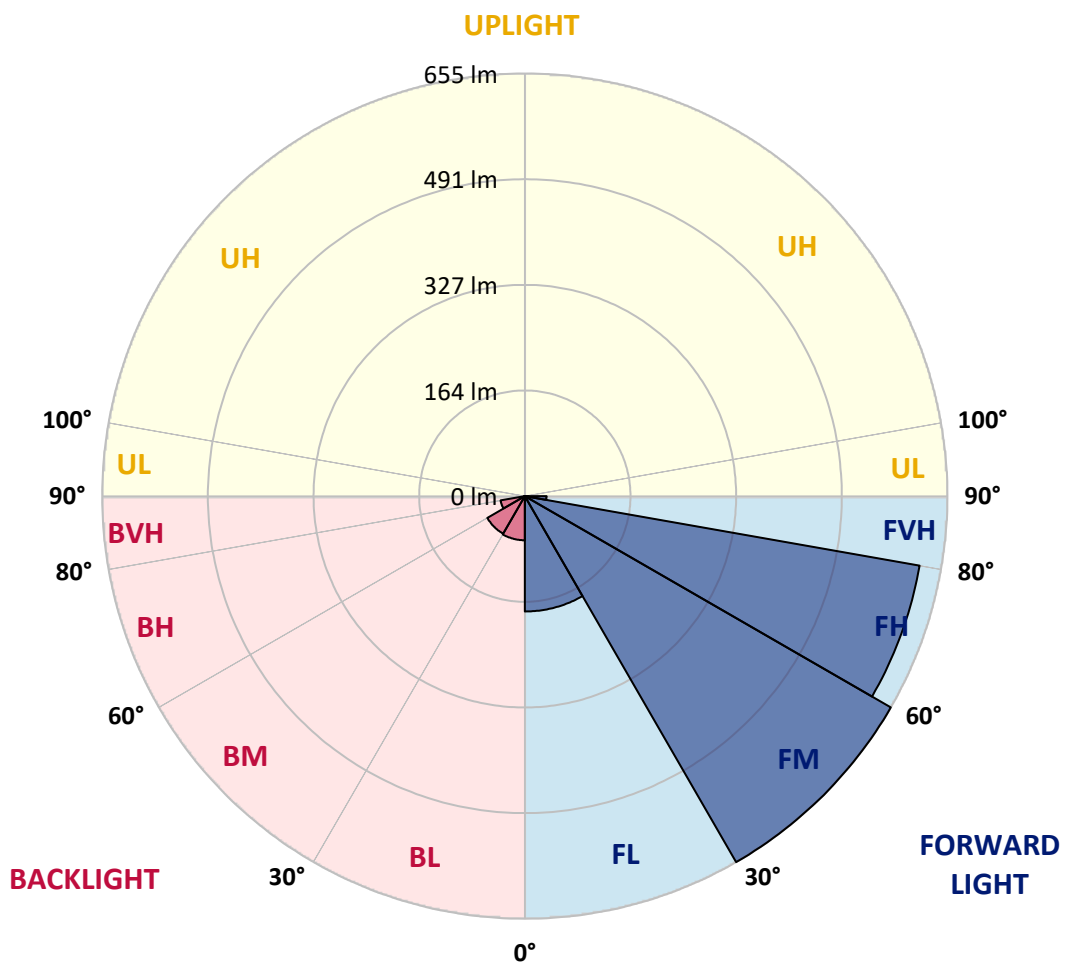


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	178.7	10.8			
FM (30°-60°)	654.6	39.4			
FH (60°-80°)	621.0	37.4			G0/660
FVH (80°-90°)	33.6	2.0			G1/100
BL (0°-30°)	68.4	4.1	B0/110		
BM (30°-60°)	67.2	4.0	B0/220		
BH (60°-80°)	38.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	525.2	527.2	522.5	528.0	522.9	525.2	522.5	521.7	522.1	522.5	519.4
5°	500.7	505.4	507.3	504.2	511.6	510.4	515.1	515.5	513.6	511.6	512.0
7.5°	468.4	473.0	475.0	476.9	484.3	494.1	500.3	496.4	499.5	506.5	496.0
10°	445.0	443.8	443.4	447.3	461.3	469.5	480.0	478.9	486.7	493.3	484.7
12.5°	416.1	413.8	420.8	423.9	436.4	450.8	459.0	467.6	475.4	482.4	472.6
15°	394.7	396.7	399.4	406.0	415.0	434.1	446.1	454.3	468.4	471.9	468.0
17.5°	377.6	379.1	383.0	386.5	397.8	416.1	435.2	445.0	459.8	469.1	457.1
20°	378.0	373.3	373.3	376.8	383.0	404.8	425.1	428.2	448.5	464.5	456.3
22.5°	378.3	376.8	373.3	372.9	375.6	391.2	411.9	418.9	440.7	459.4	449.7
25°	383.8	378.0	378.3	372.9	374.1	381.9	398.2	408.7	433.7	462.1	446.1
27.5°	388.5	391.2	385.8	383.4	376.8	376.4	390.0	399.0	430.2	468.4	448.5
30°	399.0	400.9	400.9	399.4	393.2	384.2	387.3	398.6	423.2	467.2	444.6
32.5°	416.5	413.0	417.7	415.4	407.2	393.2	395.9	401.7	427.4	482.0	450.8
35°	422.4	425.1	431.3	426.3	423.5	415.4	409.9	414.2	433.7	496.8	460.2
37.5°	440.3	436.4	440.7	452.0	454.7	439.9	429.4	435.6	457.1	514.3	468.7
40°	441.9	445.0	452.8	475.0	477.7	471.5	462.9	464.5	480.4	536.9	490.2
42.5°	449.7	453.2	469.1	487.8	502.6	503.8	497.6	497.6	511.2	573.2	513.9
45°	464.8	459.0	479.7	511.2	532.6	536.9	545.1	543.2	554.1	611.4	558.4
47.5°	470.7	472.6	495.2	533.4	558.0	577.8	591.5	591.9	597.3	660.1	616.0
50°	489.8	489.4	516.7	552.1	588.4	624.6	651.1	651.1	650.7	707.6	665.5
52.5°	515.1	514.3	535.4	577.5	624.6	670.2	705.3	706.4	715.4	766.0	722.4
55°	556.4	552.9	573.2	604.3	660.8	716.2	777.0	777.3	770.3	807.7	763.3
57.5°	591.1	590.7	607.5	637.5	701.4	775.4	845.9	856.4	834.2	850.6	796.0
60°	582.1	587.2	621.9	666.3	744.2	849.4	920.3	936.7	901.3	879.8	820.6
62.5°	526.4	538.1	575.9	646.8	780.5	957.0	1022.8	1015.4	936.3	904.8	850.6
65°	378.7	390.4	437.2	543.6	738.4	1033.0	1157.6	1124.1	998.7	941.8	890.7
67.5°	222.9	227.6	256.8	346.8	552.1	991.7	1321.3	1324.0	1121.4	998.7	960.1
70°	160.9	164.4	175.7	204.6	305.9	777.3	1412.5	1483.4	1291.7	1064.1	923.5
72.5°	123.5	123.5	142.6	170.3	194.8	465.6	1299.9	1442.1	1328.7	1001.4	744.2
75°	88.8	91.2	111.8	146.5	179.6	233.8	957.8	1144.4	1126.1	811.6	519.8
77.5°	51.0	52.2	78.7	122.7	168.7	160.5	591.9	775.8	797.6	508.1	225.2
80°	26.1	26.9	44.0	97.0	152.7	139.9	353.0	510.8	433.3	147.7	52.2
82.5°	12.9	12.9	19.9	62.0	129.8	123.9	207.7	282.1	153.5	33.9	21.8
85°	4.3	4.7	9.0	35.1	93.9	74.8	127.0	134.0	51.4	12.9	12.1
87.5°	1.2	1.6	2.3	12.9	40.9	49.1	75.6	85.7	21.0	5.1	5.8
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°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	507.7	505.0	501.9	494.1	487.8	479.7	474.2	469.9	461.7	463.3	459.8
5°	502.6	497.6	479.7	462.5	446.9	423.2	406.8	396.3	387.7	379.1	385.4
7.5°	493.7	481.6	453.5	421.6	388.5	357.3	326.1	307.4	293.8	281.3	280.9
10°	478.5	459.0	415.0	373.3	322.2	281.3	241.6	210.4	190.1	175.3	175.0
12.5°	461.3	441.1	385.8	318.0	259.1	201.4	153.9	120.8	101.7	90.0	88.4
15°	450.4	420.8	349.1	268.9	196.0	131.3	85.3	64.7	57.3	54.6	54.6
17.5°	436.4	402.5	312.9	217.8	136.0	76.0	55.3	49.9	49.5	48.7	47.9
20°	430.6	388.5	280.5	173.8	86.1	53.8	47.5	46.4	46.4	45.6	44.8
22.5°	415.0	368.2	246.3	127.4	57.3	47.1	44.8	43.3	42.5	41.7	42.5
25°	408.0	353.8	213.9	88.1	46.8	42.1	40.9	39.4	38.2	37.8	37.8
27.5°	403.3	339.4	182.4	61.2	41.3	38.6	36.2	35.1	33.5	32.0	32.0
30°	399.8	328.1	152.0	45.2	37.0	34.3	32.3	29.6	27.7	26.1	26.1
32.5°	395.1	314.8	121.6	38.6	33.5	30.8	27.3	24.9	22.2	21.0	21.0
35°	396.7	305.9	95.5	34.3	30.0	26.5	23.4	20.3	17.5	16.4	16.0
37.5°	399.8	299.2	72.5	30.8	26.9	23.0	19.5	16.0	14.4	12.9	12.9
40°	413.0	297.3	53.4	28.4	24.5	20.3	16.4	13.2	11.7	10.5	10.1
42.5°	435.2	300.0	41.3	25.7	22.2	17.1	13.6	10.9	9.4	8.2	7.8
45°	463.7	310.5	33.9	24.2	19.5	14.4	10.9	9.0	7.0	6.2	6.2
47.5°	505.0	326.9	29.6	22.2	17.1	12.1	9.4	7.0	5.5	4.7	4.7
50°	551.7	345.6	26.1	19.9	14.8	10.1	7.4	5.5	3.9	3.5	3.5
52.5°	598.5	369.4	24.2	18.3	12.9	8.2	5.8	3.9	2.7	2.3	2.3
55°	647.6	390.4	21.8	17.1	10.5	6.6	4.3	2.3	1.6	1.2	1.2
57.5°	681.9	398.6	19.1	14.8	8.2	5.1	3.1	1.6	0.8	0.4	0.4
60°	706.4	399.8	16.4	12.1	6.2	3.9	1.9	0.8	0.4	0.0	0.0
62.5°	727.1	402.1	14.0	9.4	4.7	2.7	1.2	0.4	0.0	0.0	0.0
65°	768.0	400.2	11.3	7.4	3.1	1.6	0.8	0.0	0.0	0.0	0.0
67.5°	800.3	380.7	9.0	5.1	1.9	0.8	0.4	0.0	0.0	0.0	0.0
70°	708.0	290.3	7.0	3.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0
72.5°	556.0	193.7	4.7	1.9	0.8	0.4	0.0	0.0	0.0	0.0	0.0
75°	364.7	96.2	3.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	141.8	25.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.3	8.6	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.8	3.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.0	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	0.8	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)