

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: P683598

Luminaire Tested: **CCP-SA-1-AMB-U-T3R-HSS**

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P683598  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1-AMB-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @500mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

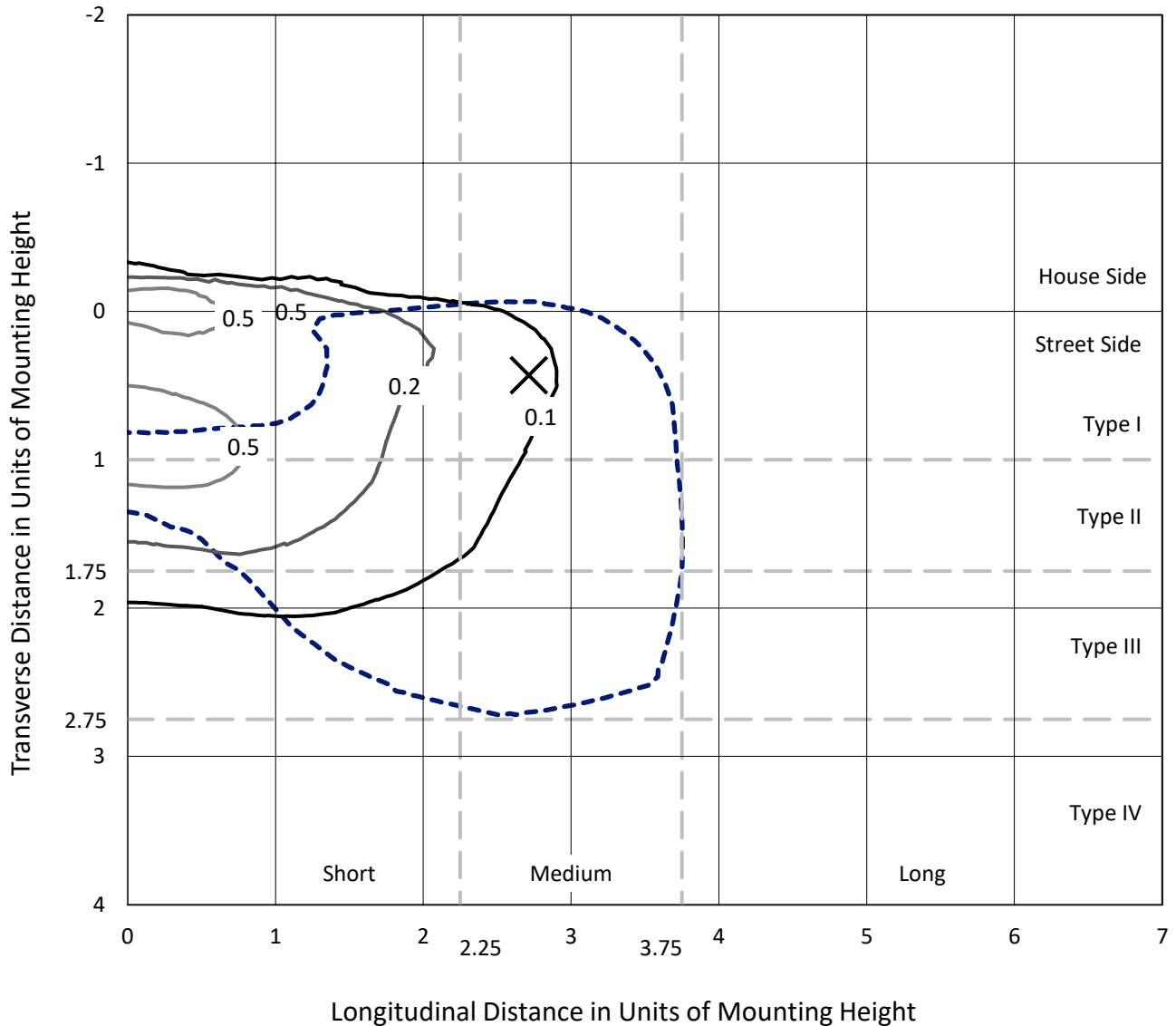
Lumens per Lamp: N/A  
Luminaire Lumens: 877.4 lumens  
Efficiency: N/A  
Efficacy: 38.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G0

Input Watts (W): 22.6  
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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 CATALOG NUMBER: CCP-SA-1-AMB-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

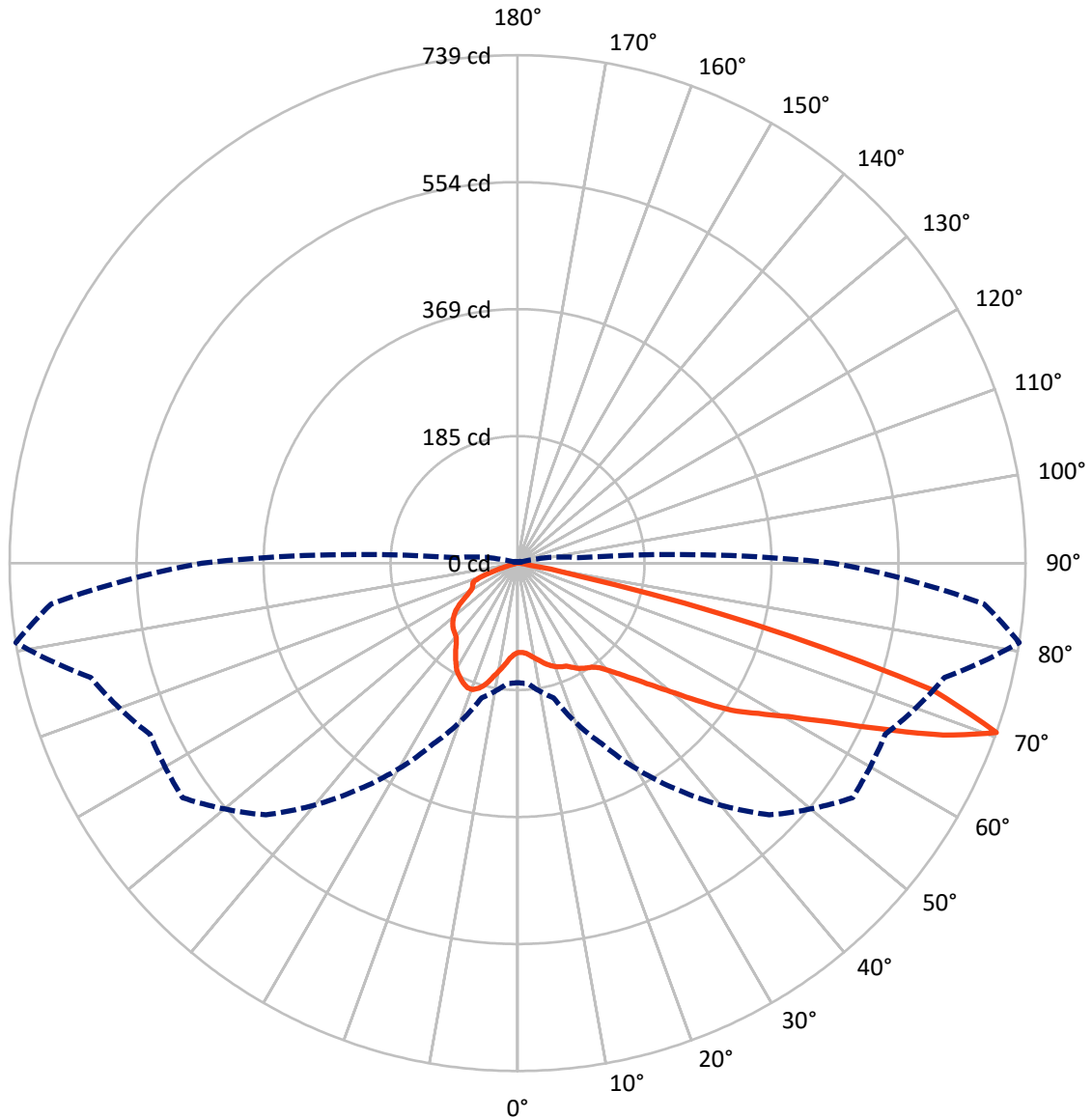
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P683598  
CATALOG NUMBER: CCP-SA-1-AMB-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: CCP-SA-1-AMB-U-T3R-HSS

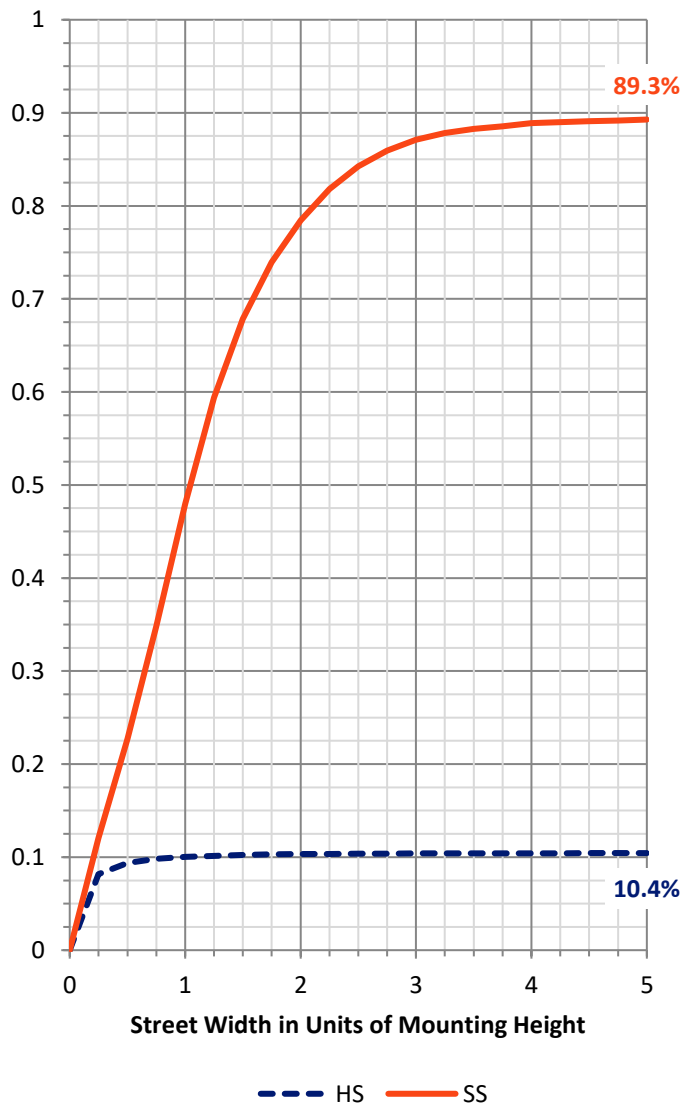
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	92.2	0.0	92.2
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	785.3	0.0	785.3
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	877.4	0.0	877.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.5	1.4
10°-20°	30.0	3.4
20°-30°	45.3	5.2
30°-40°	79.4	9.1
40°-50°	138.5	15.8
50°-60°	194.8	22.2
60°-70°	225.5	25.7
70°-80°	145.6	16.6
80°-90°	5.9	0.7
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°	877.4	100.0
0°-180°	877.4	100.0

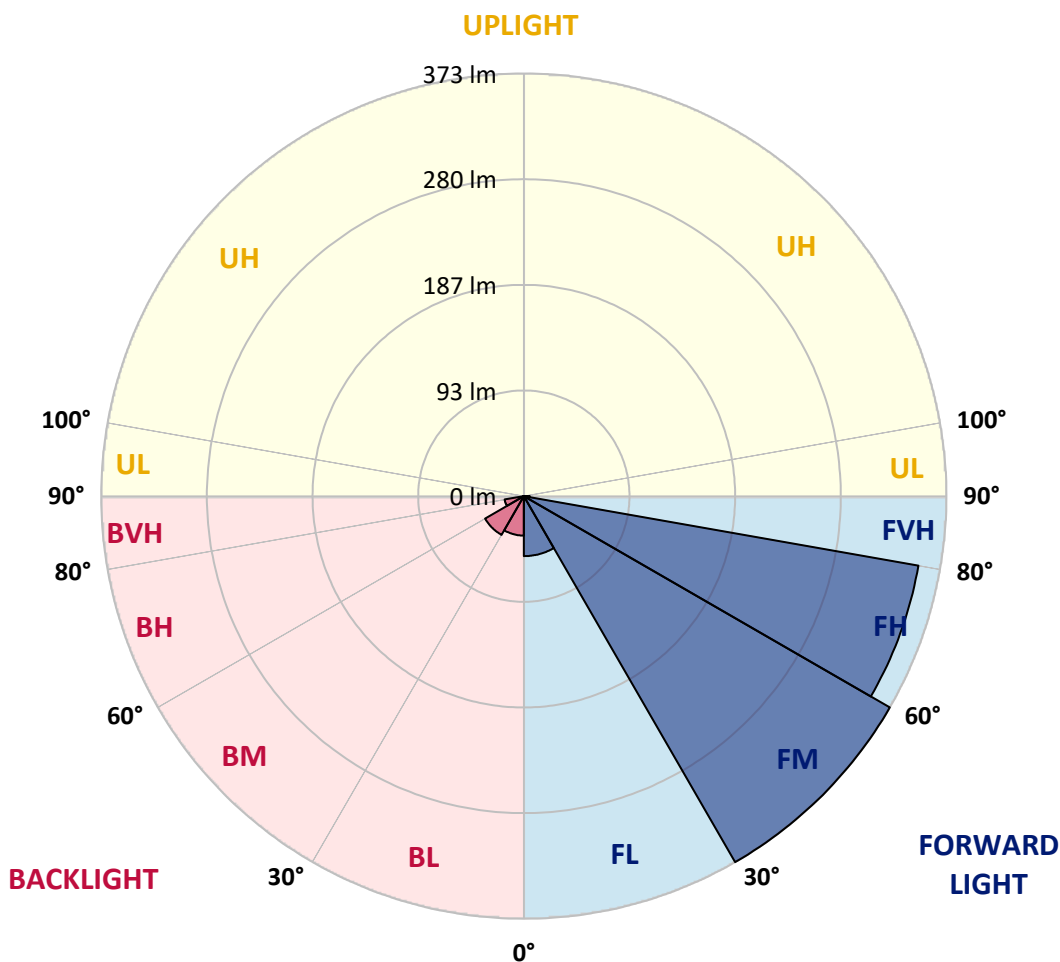


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 CATALOG NUMBER: CCP-SA-1-AMB-U-T3R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	53.0	6.0			
FM (30°-60°)	373.2	42.5			
FH (60°-80°)	353.8	40.3			G0/660
FVH (80°-90°)	5.3	0.6			G0/10
BL (0°-30°)	34.8	4.0	B0/110		
BM (30°-60°)	39.5	4.5	B0/220		
BH (60°-80°)	17.2	2.0	B0/110		G0/110
BVH (80°-90°)	0.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**  
 Type III Medium





REPORT NUMBER: P683598  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
2.5°	122.0	123.0	123.0	124.0	125.0	127.0	127.0	127.0	128.0	130.0	130.0
5°	113.0	114.0	116.0	116.0	119.0	123.0	125.0	128.0	130.0	131.9	132.9
7.5°	101.0	102.0	105.0	107.0	112.0	118.0	123.0	129.0	133.9	135.9	138.9
10°	96.0	96.0	96.0	98.0	102.0	112.0	120.0	130.0	136.9	140.9	143.9
12.5°	95.0	95.0	95.0	95.0	98.0	106.0	118.0	131.0	140.9	145.9	149.9
15°	94.0	94.0	94.0	94.0	96.0	103.0	115.0	132.9	146.9	151.9	157.9
17.5°	93.0	93.0	93.0	93.0	95.0	100.0	113.0	134.9	150.9	156.9	162.9
20°	93.0	93.0	92.0	92.0	94.0	100.0	112.0	135.9	153.9	160.9	167.9
22.5°	100.0	101.0	97.0	94.0	95.0	100.0	113.0	136.9	155.9	163.9	170.9
25°	129.0	128.0	118.0	104.0	99.0	102.0	114.0	139.9	158.9	165.9	173.9
27.5°	174.9	170.9	156.9	132.9	111.0	107.0	118.0	143.9	163.9	171.9	179.9
30°	220.9	218.9	203.9	169.9	133.9	116.0	122.0	149.9	170.9	177.9	186.9
32.5°	255.9	253.9	239.9	207.9	166.9	134.9	128.0	154.9	175.9	181.9	190.9
35°	293.9	290.9	276.9	244.9	201.9	159.9	136.9	157.9	179.9	185.9	196.9
37.5°	338.9	336.9	315.9	279.9	238.9	191.9	152.9	164.9	186.9	192.9	206.9
40°	374.9	375.9	358.9	322.9	281.9	228.9	176.9	175.9	198.9	205.9	220.9
42.5°	389.9	391.9	394.9	373.9	325.9	269.9	204.9	194.9	214.9	221.9	243.9
45°	401.8	408.8	425.8	425.8	376.9	308.9	241.9	216.9	234.9	241.9	270.9
47.5°	406.8	412.8	444.8	467.8	430.8	352.9	278.9	247.9	260.9	266.9	301.9
50°	408.8	415.8	444.8	488.8	475.8	395.8	314.9	280.9	288.9	296.9	337.9
52.5°	398.8	407.8	438.8	492.8	502.8	436.8	358.9	317.9	323.9	335.9	380.9
55°	306.9	321.9	413.8	474.8	501.8	465.8	402.8	360.9	365.9	377.9	411.8
57.5°	274.9	278.9	330.9	442.8	479.8	477.8	448.8	407.8	399.8	412.8	436.8
60°	259.9	262.9	298.9	412.8	457.8	482.8	489.8	445.8	430.8	452.8	466.8
62.5°	243.9	247.9	279.9	366.9	449.8	488.8	506.8	467.8	462.8	507.8	509.8
65°	219.9	222.9	262.9	348.9	442.8	494.8	514.8	491.8	510.8	580.8	567.8
67.5°	191.9	194.9	231.9	328.9	431.8	503.8	544.8	528.8	574.8	667.7	637.8
70°	173.9	175.9	202.9	289.9	400.8	517.8	594.8	589.8	642.8	738.7	680.7
72.5°	93.0	102.0	154.9	233.9	342.9	512.8	656.8	633.8	604.8	631.8	541.8
75°	35.0	38.0	71.0	142.9	209.9	391.9	588.8	507.8	399.8	352.9	281.9
77.5°	24.0	25.0	32.0	72.0	62.0	134.9	309.9	239.9	140.9	94.0	65.0
80°	14.0	15.0	22.0	30.0	19.0	26.0	89.0	56.0	26.0	19.0	15.0
82.5°	6.0	7.0	16.0	14.0	8.0	9.0	23.0	17.0	12.0	9.0	7.0
85°	4.0	4.0	13.0	9.0	4.0	4.0	9.0	8.0	6.0	4.0	4.0
87.5°	2.0	2.0	9.0	6.0	2.0	2.0	3.0	3.0	2.0	1.0	1.0
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: P683598  
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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
2.5°	131.0	131.9	133.9	135.9	136.9	137.9	139.9	141.9	141.9	141.9	142.9
5°	134.9	136.9	140.9	146.9	150.9	150.9	153.9	152.9	150.9	149.9	149.9
7.5°	141.9	144.9	152.9	159.9	161.9	155.9	148.9	138.9	131.9	127.0	125.0
10°	147.9	152.9	165.9	170.9	161.9	142.9	121.0	102.0	90.0	86.0	84.0
12.5°	155.9	162.9	177.9	175.9	147.9	112.0	82.0	62.0	52.0	46.0	44.0
15°	165.9	174.9	190.9	171.9	118.0	77.0	46.0	31.0	28.0	26.0	26.0
17.5°	173.9	186.9	194.9	151.9	86.0	43.0	27.0	24.0	23.0	24.0	24.0
20°	179.9	196.9	192.9	122.0	54.0	27.0	23.0	23.0	22.0	23.0	23.0
22.5°	185.9	202.9	183.9	93.0	31.0	23.0	22.0	22.0	22.0	22.0	22.0
25°	192.9	207.9	165.9	63.0	23.0	21.0	21.0	21.0	21.0	21.0	21.0
27.5°	201.9	213.9	142.9	38.0	21.0	20.0	20.0	20.0	19.0	19.0	19.0
30°	210.9	218.9	120.0	24.0	19.0	18.0	18.0	18.0	17.0	16.0	16.0
32.5°	216.9	218.9	95.0	20.0	17.0	16.0	16.0	15.0	13.0	13.0	13.0
35°	224.9	217.9	71.0	18.0	16.0	14.0	13.0	11.0	10.0	9.0	10.0
37.5°	236.9	215.9	47.0	16.0	15.0	13.0	11.0	9.0	8.0	8.0	8.0
40°	252.9	214.9	28.0	15.0	13.0	12.0	9.0	7.0	6.0	6.0	6.0
42.5°	270.9	212.9	22.0	15.0	13.0	10.0	7.0	6.0	6.0	6.0	5.0
45°	287.9	209.9	19.0	14.0	12.0	8.0	6.0	5.0	5.0	5.0	5.0
47.5°	304.9	202.9	18.0	13.0	11.0	7.0	5.0	5.0	5.0	5.0	5.0
50°	319.9	192.9	17.0	13.0	9.0	6.0	5.0	5.0	5.0	5.0	5.0
52.5°	334.9	180.9	16.0	12.0	8.0	6.0	5.0	5.0	5.0	5.0	5.0
55°	345.9	162.9	15.0	10.0	7.0	5.0	5.0	5.0	5.0	4.0	4.0
57.5°	348.9	138.9	14.0	9.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0
60°	362.9	124.0	11.0	8.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0
62.5°	385.9	118.0	8.0	7.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0
65°	420.8	116.0	7.0	6.0	5.0	4.0	4.0	3.0	2.0	2.0	2.0
67.5°	460.8	112.0	6.0	5.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0
70°	458.8	89.0	5.0	4.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0
72.5°	336.9	40.0	5.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0
75°	160.9	13.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	0.0
77.5°	38.0	6.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
80°	9.0	4.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0
82.5°	5.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
85°	3.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	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)