

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: P683455

Luminaire Tested: **CCP-SA-2-AMB-U-T2R-HSS**

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P683455  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2-AMB-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @500mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

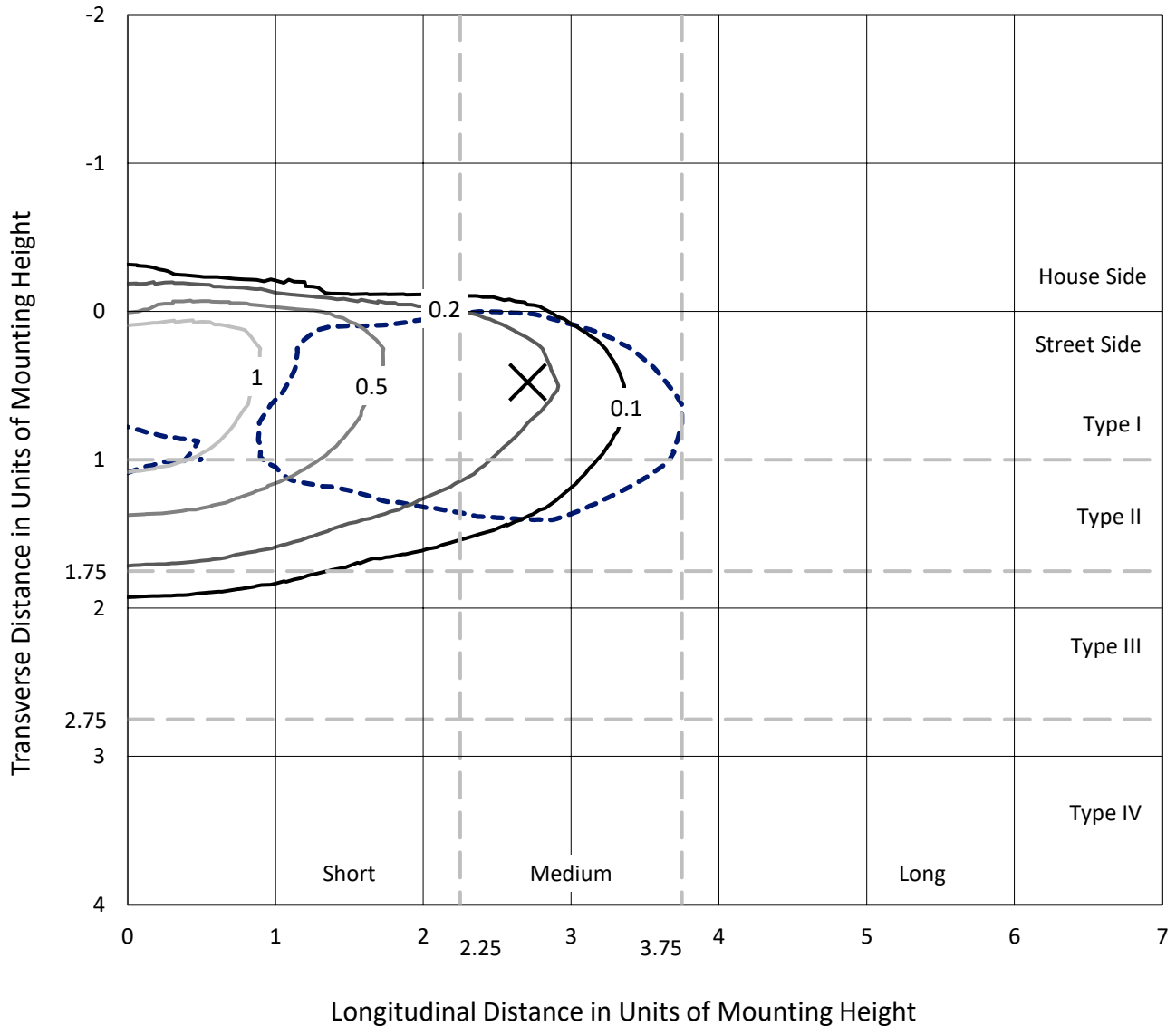
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1361.8 lumens  
Efficiency: N/A  
Efficacy: 33.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 40.2  
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

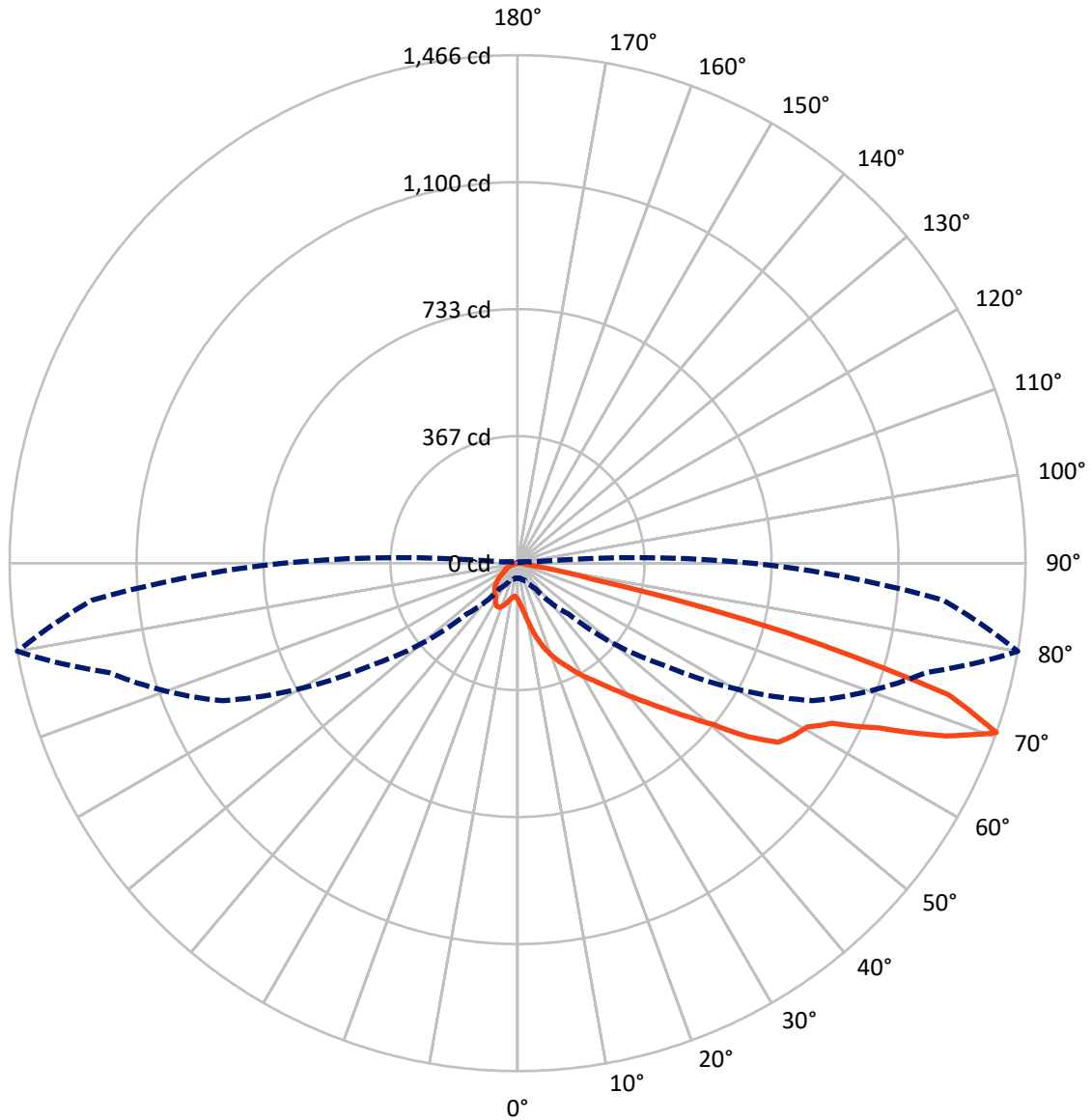
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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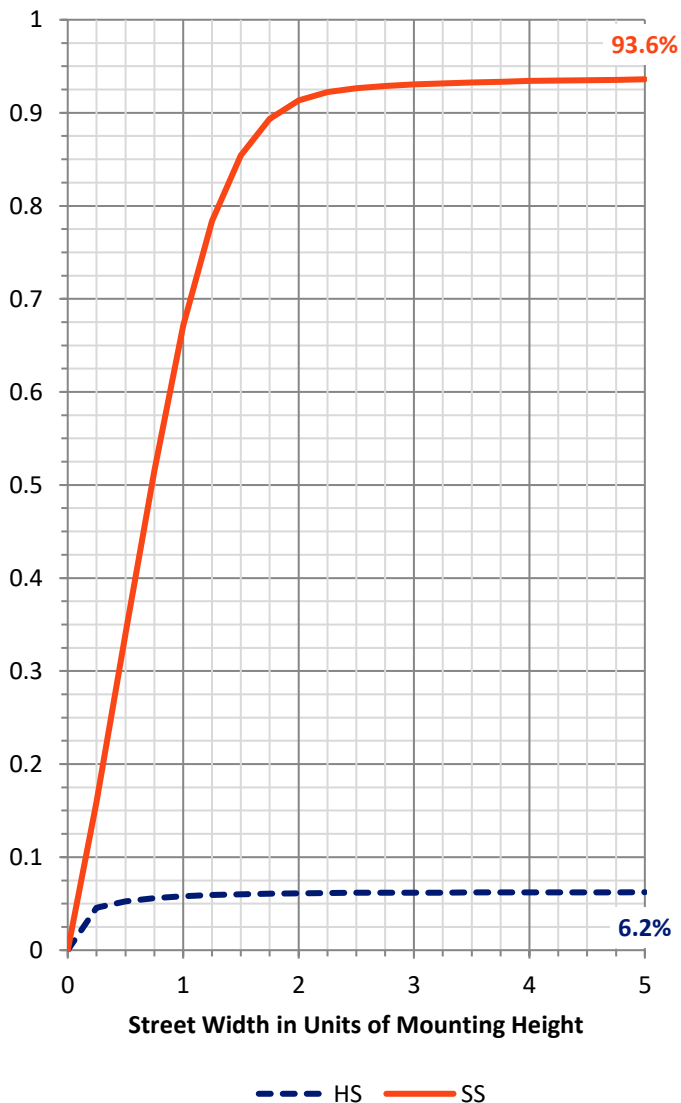
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	85.4	0.0	85.4
	% Fixture	6.3	0.0	6.3
<b>Street Side</b>	Lumens	1276.4	0.0	1276.4
	% Fixture	93.7	0.0	93.7
<b>Total</b>	Lumens	1361.8	0.0	1361.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	1.0
10°-20°	53.9	4.0
20°-30°	99.6	7.3
30°-40°	176.0	12.9
40°-50°	267.8	19.7
50°-60°	322.6	23.7
60°-70°	290.0	21.3
70°-80°	131.6	9.7
80°-90°	6.3	0.5
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°	1361.8	100.0
0°-180°	1361.8	100.0

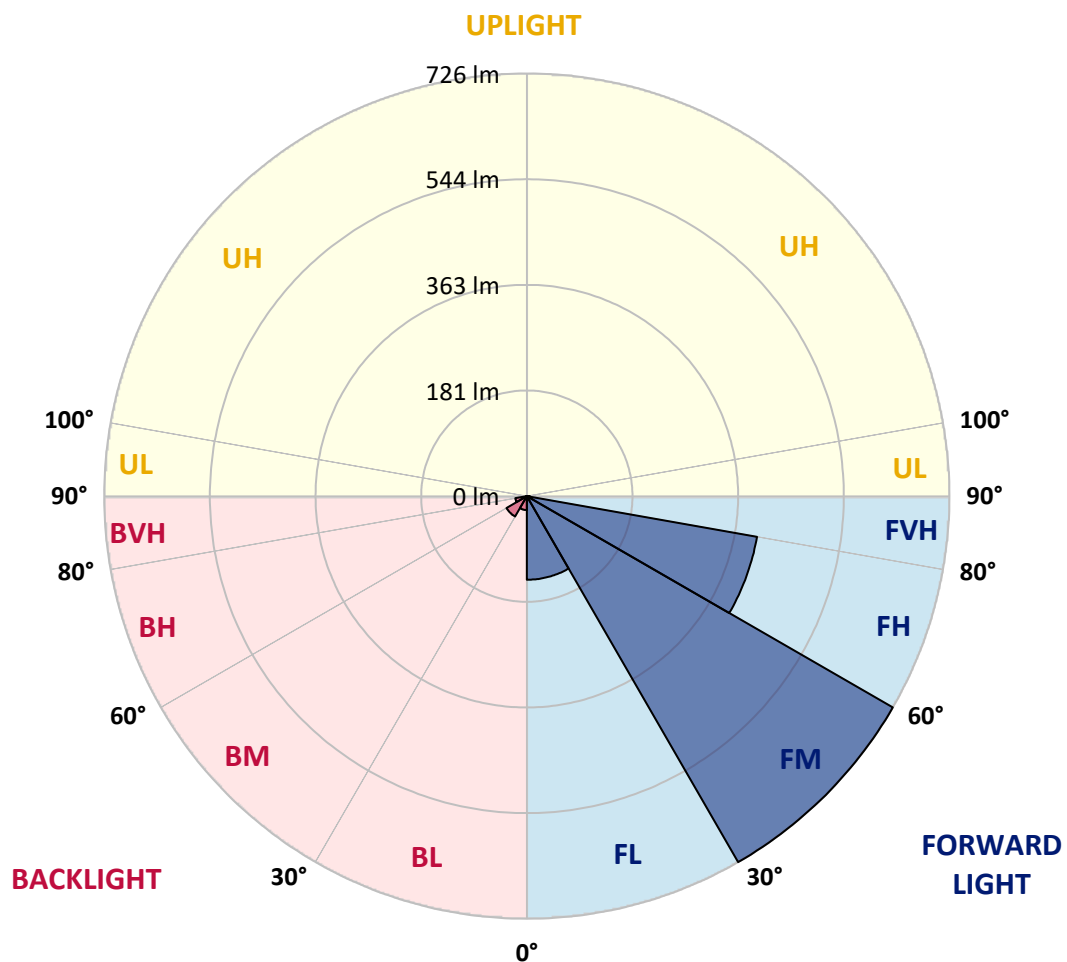


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.6	10.5			
FM (30°-60°)	726.0	53.3			
FH (60°-80°)	401.6	29.5			G0/660
FVH (80°-90°)	5.3	0.4			G0/10
BL (0°-30°)	23.8	1.7	B0/110		
BM (30°-60°)	40.4	3.0	B0/220		
BH (60°-80°)	20.1	1.5	B0/110		G0/110
BVH (80°-90°)	1.0	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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7
2.5°	169.1	167.6	158.6	155.6	148.1	140.7	131.7	124.2	116.7	115.2	110.7
5°	237.9	236.4	230.4	228.9	220.0	208.0	185.5	160.1	136.2	128.7	121.2
7.5°	278.3	273.8	272.3	267.8	263.4	254.4	237.9	212.5	166.1	148.1	133.2
10°	309.7	308.2	308.2	306.7	302.3	291.8	275.3	251.4	202.0	173.6	149.6
12.5°	335.2	332.2	335.2	341.2	339.7	330.7	309.7	284.3	239.4	205.0	169.1
15°	338.2	338.2	345.7	362.1	371.1	369.6	347.1	317.2	269.3	234.9	191.5
17.5°	324.7	327.7	336.7	357.6	380.1	393.5	384.6	347.1	294.8	261.9	214.0
20°	318.7	318.7	327.7	348.6	375.6	401.0	410.0	380.1	318.7	285.8	237.9
22.5°	326.2	327.7	335.2	354.6	375.6	404.0	425.0	408.5	341.2	308.2	260.4
25°	347.1	350.1	351.6	368.1	384.6	411.5	435.4	430.9	368.1	329.2	284.3
27.5°	389.0	387.5	386.1	387.5	395.0	425.0	445.9	447.4	393.5	354.6	308.2
30°	462.4	463.9	441.4	419.0	410.0	438.4	462.4	462.4	419.0	380.1	330.7
32.5°	586.6	573.1	543.2	487.8	435.4	450.4	483.3	478.8	442.9	404.0	353.1
35°	665.9	658.4	630.0	585.1	493.8	468.4	504.3	498.3	466.9	433.9	383.1
37.5°	716.7	710.8	680.8	650.9	579.1	499.8	526.7	522.2	493.8	468.4	410.0
40°	749.7	740.7	715.2	689.8	643.4	562.6	552.1	553.6	526.7	507.3	439.9
42.5°	760.1	749.7	730.2	713.7	679.3	627.0	589.6	586.6	565.6	550.6	477.3
45°	746.7	734.7	725.7	725.7	701.8	667.4	640.4	624.0	606.0	603.0	519.2
47.5°	716.7	706.3	706.3	721.2	712.3	692.8	692.8	662.9	652.4	662.9	568.6
50°	674.8	664.4	671.9	703.3	710.8	707.8	740.7	712.3	712.3	733.2	635.9
52.5°	604.5	598.5	624.0	667.4	698.8	719.7	776.6	784.1	791.6	832.0	719.7
55°	513.2	507.3	540.2	606.0	668.9	727.2	797.5	836.4	870.9	912.8	772.1
57.5°	430.9	425.0	453.4	525.2	615.0	730.2	820.0	867.9	888.8	939.7	787.1
60°	339.7	335.2	371.1	433.9	534.2	691.3	820.0	890.3	888.8	960.6	815.5
62.5°	228.9	225.9	261.9	330.7	438.4	588.1	802.0	909.8	908.3	1019.0	894.8
65°	121.2	119.7	149.6	211.0	312.7	469.8	760.1	957.7	992.1	1147.7	1017.5
67.5°	59.9	59.9	73.3	106.2	185.5	345.7	659.9	987.6	1114.8	1331.7	1188.1
70°	43.4	43.4	47.9	56.9	89.8	208.0	511.7	939.7	1221.0	1466.4	1234.5
72.5°	35.9	37.4	38.9	40.4	50.9	109.2	327.7	779.6	1147.7	1301.8	1002.5
75°	25.4	25.4	31.4	32.9	37.4	64.3	149.6	445.9	776.6	800.5	549.2
77.5°	20.9	20.9	22.4	25.4	28.4	47.9	47.9	142.2	269.3	218.5	130.2
80°	15.0	15.0	18.0	18.0	23.9	31.4	19.5	38.9	53.9	40.4	26.9
82.5°	9.0	10.5	12.0	15.0	19.5	15.0	10.5	15.0	18.0	16.5	12.0
85°	4.5	4.5	9.0	13.5	10.5	6.0	6.0	7.5	7.5	7.5	6.0
87.5°	0.0	0.0	6.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	1.5
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°	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7
2.5°	107.7	103.2	94.3	88.3	83.8	80.8	77.8	77.8	76.3	74.8	76.3
5°	113.7	103.2	88.3	82.3	77.8	74.8	71.8	70.3	68.8	68.8	68.8
7.5°	122.7	107.7	89.8	80.8	74.8	71.8	68.8	65.8	62.8	62.8	62.8
10°	133.2	113.7	91.3	82.3	74.8	67.3	59.9	52.4	46.4	43.4	44.9
12.5°	146.6	121.2	95.8	85.3	73.3	55.4	41.9	35.9	32.9	32.9	32.9
15°	161.6	131.7	101.8	86.8	61.3	38.9	32.9	29.9	29.9	28.4	28.4
17.5°	176.6	142.2	107.7	80.8	43.4	31.4	28.4	26.9	26.9	25.4	25.4
20°	193.0	152.6	110.7	64.3	32.9	28.4	25.4	23.9	22.4	22.4	22.4
22.5°	209.5	164.6	110.7	44.9	28.4	25.4	22.4	22.4	20.9	20.9	20.9
25°	227.4	175.1	101.8	32.9	25.4	22.4	20.9	19.5	18.0	18.0	18.0
27.5°	245.4	185.5	86.8	26.9	23.9	20.9	19.5	18.0	18.0	16.5	16.5
30°	263.4	191.5	67.3	23.9	20.9	19.5	16.5	16.5	16.5	15.0	15.0
32.5°	278.3	193.0	46.4	22.4	19.5	18.0	16.5	15.0	15.0	15.0	15.0
35°	293.3	193.0	32.9	20.9	18.0	16.5	15.0	15.0	13.5	13.5	13.5
37.5°	309.7	190.0	25.4	19.5	16.5	15.0	13.5	13.5	13.5	13.5	12.0
40°	327.7	184.0	22.4	18.0	15.0	13.5	12.0	12.0	12.0	12.0	12.0
42.5°	348.6	173.6	22.4	18.0	15.0	13.5	12.0	12.0	12.0	10.5	10.5
45°	377.1	161.6	20.9	16.5	13.5	12.0	10.5	10.5	10.5	10.5	10.5
47.5°	410.0	148.1	19.5	15.0	12.0	10.5	10.5	9.0	9.0	9.0	9.0
50°	457.9	133.2	18.0	13.5	12.0	10.5	9.0	9.0	9.0	7.5	7.5
52.5°	505.8	113.7	16.5	12.0	10.5	9.0	9.0	9.0	7.5	7.5	7.5
55°	532.7	95.8	15.0	10.5	10.5	9.0	7.5	7.5	7.5	7.5	7.5
57.5°	535.7	79.3	15.0	10.5	9.0	9.0	7.5	7.5	7.5	6.0	7.5
60°	550.6	70.3	13.5	10.5	9.0	7.5	7.5	6.0	6.0	6.0	6.0
62.5°	589.6	62.8	12.0	9.0	7.5	7.5	6.0	6.0	4.5	4.5	4.5
65°	650.9	56.9	10.5	9.0	7.5	6.0	6.0	4.5	3.0	3.0	3.0
67.5°	725.7	52.4	9.0	7.5	6.0	6.0	4.5	3.0	1.5	1.5	1.5
70°	677.8	38.9	9.0	7.5	6.0	4.5	3.0	3.0	1.5	1.5	1.5
72.5°	450.4	25.4	7.5	6.0	6.0	4.5	3.0	1.5	1.5	1.5	1.5
75°	182.6	16.5	7.5	6.0	4.5	3.0	3.0	1.5	1.5	1.5	0.0
77.5°	43.4	10.5	6.0	4.5	4.5	3.0	1.5	1.5	1.5	0.0	0.0
80°	13.5	7.5	6.0	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0
82.5°	7.5	6.0	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
85°	4.5	4.5	4.5	4.5	3.0	1.5	1.5	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	3.0	1.5	1.5	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)