

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: P674757

Luminaire Tested: **CCP-SA-1A-835-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674757
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-835-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

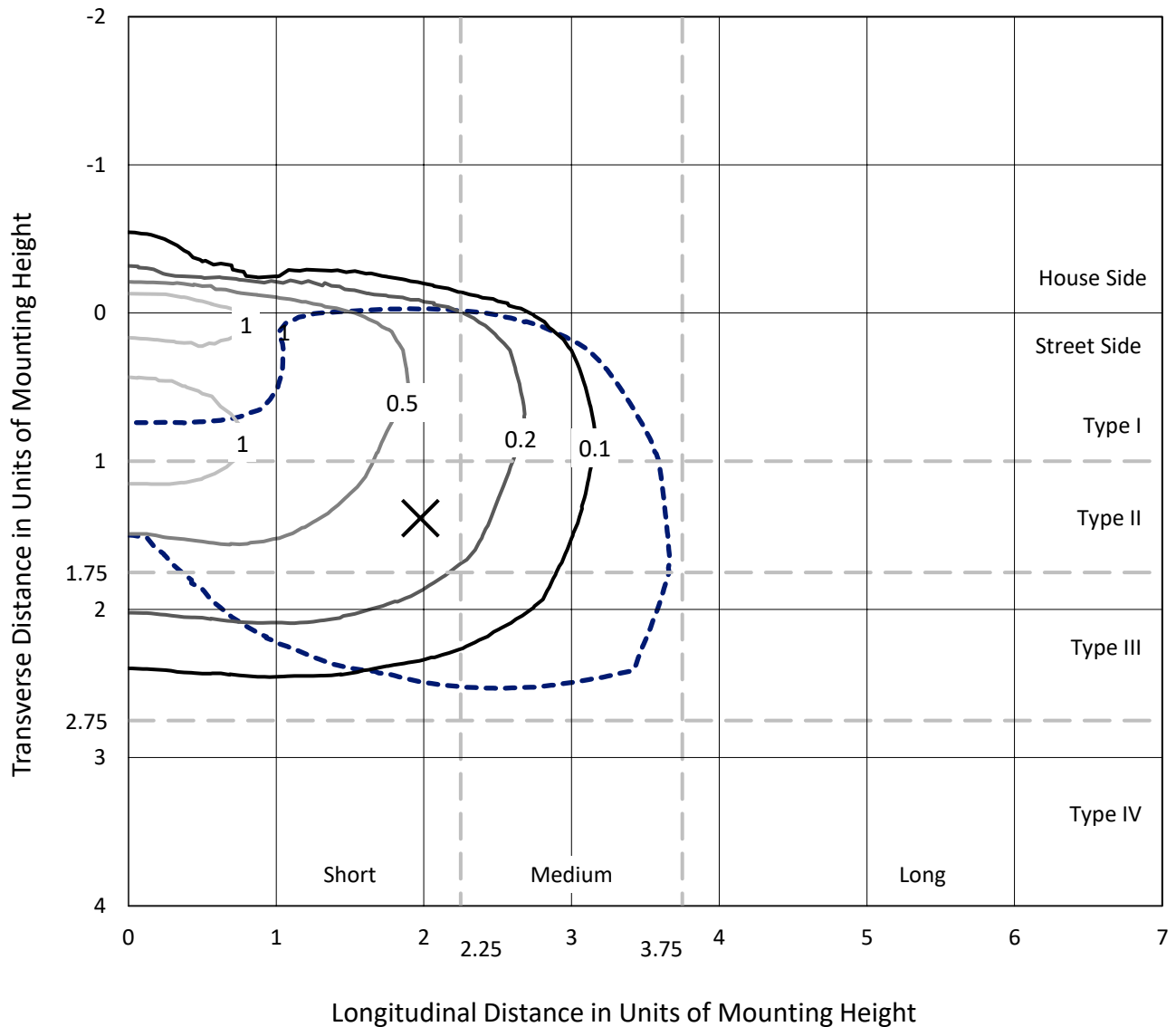
Lumens per Lamp: N/A
Luminaire Lumens: 1787.9 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

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

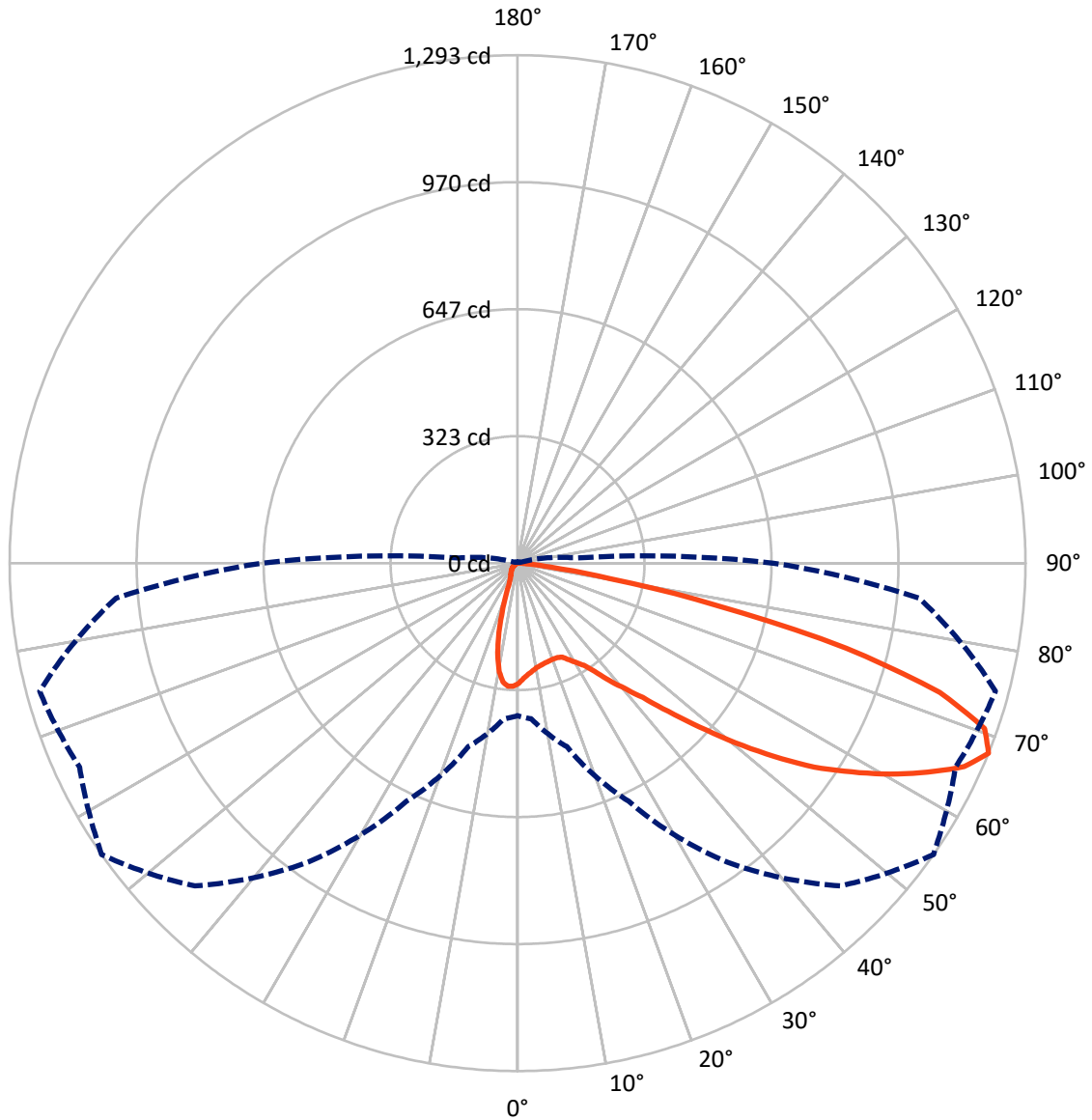
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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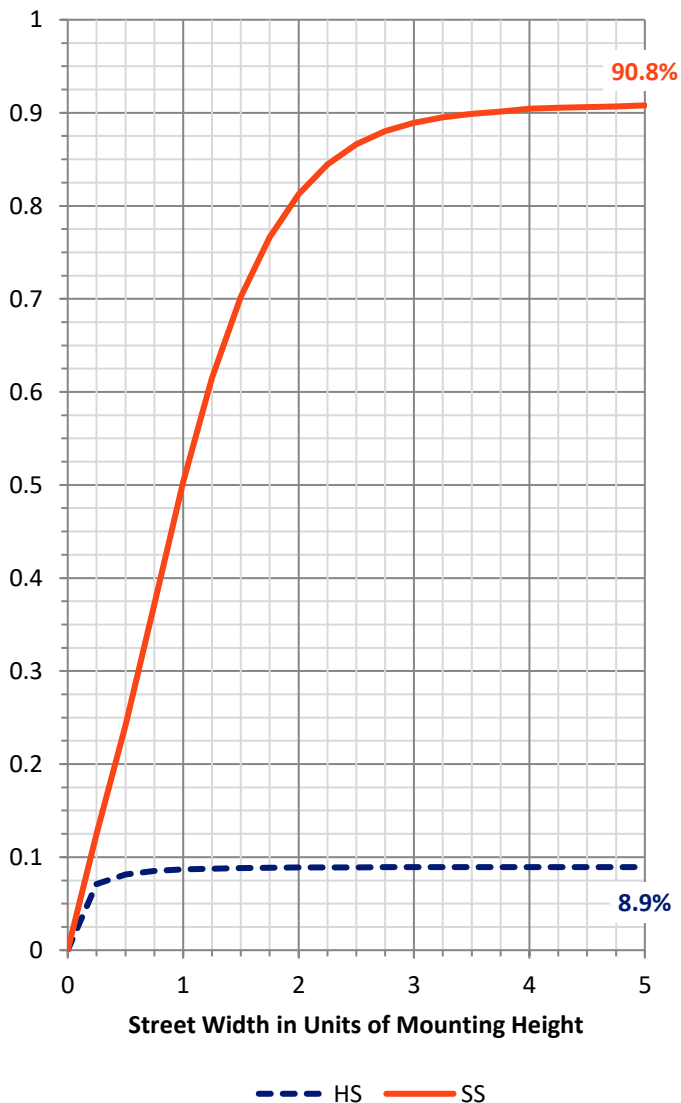
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	160.6	0.0	160.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	1627.3	0.0	1627.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	1787.9	0.0	1787.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.5
10°-20°	61.2	3.4
20°-30°	98.2	5.5
30°-40°	170.4	9.5
40°-50°	284.1	15.9
50°-60°	415.4	23.2
60°-70°	484.3	27.1
70°-80°	235.1	13.1
80°-90°	12.3	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°	1787.9	100.0
0°-180°	1787.9	100.0



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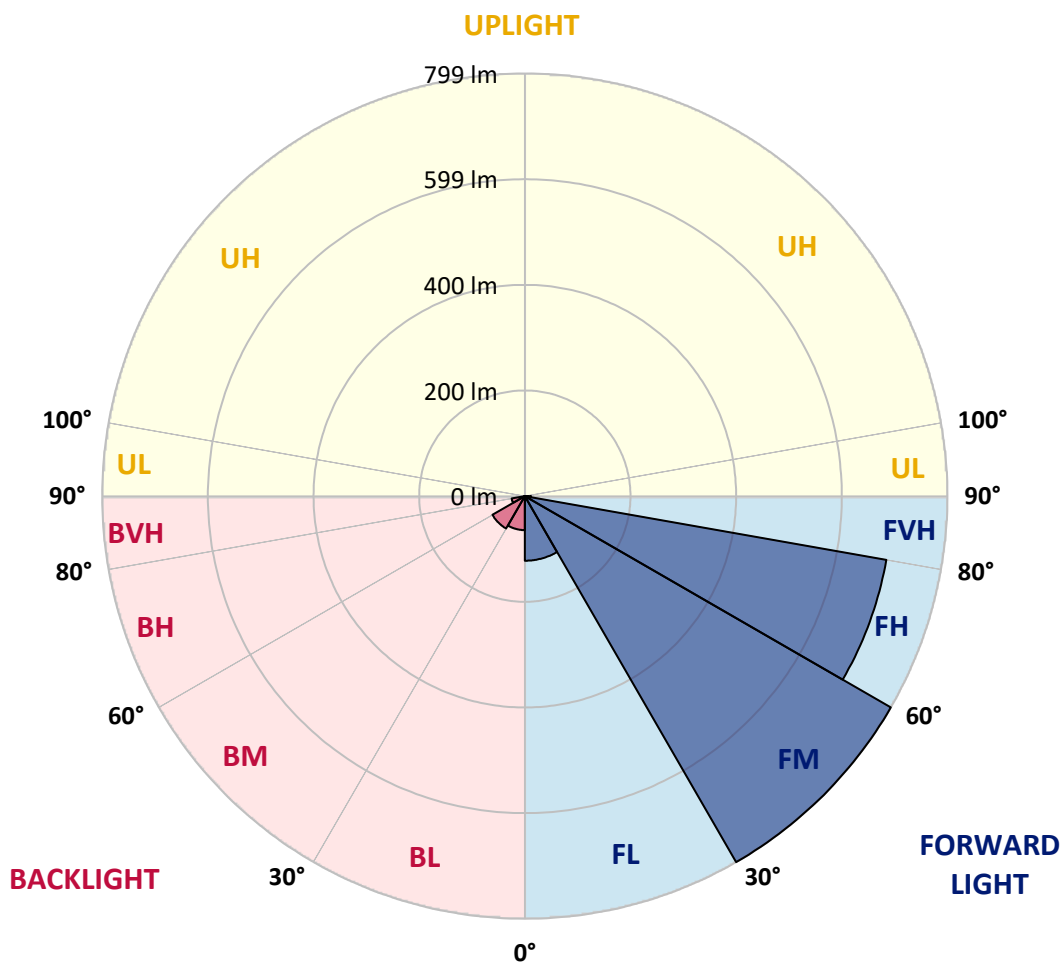
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.1	6.8			
FM (30°-60°)	799.1	44.7			
FH (60°-80°)	694.1	38.8			G1/1800
FVH (80°-90°)	11.9	0.7			G1/100
BL (0°-30°)	64.2	3.6	B0/110		
BM (30°-60°)	70.7	4.0	B0/220		
BH (60°-80°)	25.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4
2.5°	282.8	284.6	287.0	287.8	290.6	294.5	293.4	292.6	297.0	303.1	305.1
5°	265.2	265.4	269.0	271.6	276.4	280.2	284.3	284.0	292.1	302.4	309.0
7.5°	247.9	248.2	252.0	256.1	263.1	270.5	276.7	276.4	289.4	303.3	315.8
10°	225.2	226.8	231.4	238.7	249.6	261.3	270.0	270.8	286.5	306.4	325.0
12.5°	206.9	207.7	212.8	222.2	235.1	250.4	266.7	266.2	287.1	312.2	337.0
15°	199.2	198.7	201.8	208.7	223.4	242.6	263.4	264.6	289.4	318.7	349.5
17.5°	201.0	200.5	202.1	204.6	215.0	236.2	261.6	263.6	293.0	325.7	361.2
20°	221.1	217.6	214.6	212.0	213.5	230.9	260.4	262.6	295.2	330.9	373.6
22.5°	259.8	255.5	247.6	232.9	223.2	231.3	260.8	263.6	300.0	339.5	388.6
25°	322.9	318.7	301.8	271.8	246.1	243.1	265.2	268.2	311.0	352.5	404.6
27.5°	406.4	397.2	376.6	333.6	284.0	262.1	278.6	281.8	326.7	362.6	415.4
30°	475.7	473.6	453.8	401.1	336.2	289.9	293.5	295.4	333.7	368.7	426.3
32.5°	547.7	543.3	525.1	473.9	396.8	329.6	310.3	311.2	343.0	377.7	442.1
35°	610.3	606.2	591.0	541.3	467.7	383.0	338.2	336.4	362.1	397.6	463.5
37.5°	668.3	667.8	654.5	603.7	531.2	438.3	379.2	377.7	391.9	419.6	492.5
40°	725.0	723.6	712.3	666.0	593.8	493.5	418.2	414.5	417.3	450.2	530.7
42.5°	759.7	762.5	766.5	737.1	668.1	558.3	467.7	465.4	464.9	498.1	581.0
45°	778.5	783.4	806.7	804.0	746.9	638.8	538.0	532.1	530.1	564.0	638.5
47.5°	796.8	798.9	837.0	853.0	822.3	722.8	623.0	614.8	606.7	644.4	707.2
50°	797.9	801.4	848.5	887.4	885.6	805.5	718.4	711.1	701.9	742.3	774.2
52.5°	781.8	788.7	847.0	909.1	924.8	878.5	817.4	811.4	803.9	834.0	830.7
55°	670.3	682.0	818.0	911.1	952.3	941.1	916.9	908.6	901.2	922.6	886.1
57.5°	617.2	623.8	730.1	909.6	987.4	999.1	1003.2	999.4	989.0	1015.7	943.9
60°	585.4	595.0	688.1	893.1	1025.3	1064.6	1090.5	1082.9	1070.2	1107.0	1005.8
62.5°	547.4	554.3	646.2	845.7	1047.8	1131.3	1172.4	1165.4	1139.2	1191.1	1055.9
65°	477.2	487.6	579.7	771.1	1017.5	1180.3	1249.4	1247.1	1201.7	1254.7	1069.6
67.5°	388.4	397.8	483.6	668.8	928.9	1162.0	1293.1	1285.9	1230.0	1259.5	1026.2
70°	291.6	296.7	361.4	511.0	761.0	1064.3	1261.5	1260.0	1187.0	1188.7	893.3
72.5°	156.5	170.7	240.3	342.0	535.2	862.0	1124.3	1118.3	1059.0	973.5	642.4
75°	54.7	58.8	128.0	192.1	290.7	574.2	864.5	850.6	792.0	633.2	350.0
77.5°	33.6	36.9	56.8	98.2	113.2	249.2	519.4	501.4	463.5	273.8	119.6
80°	23.2	26.2	38.1	51.4	38.5	80.7	239.0	232.3	178.7	65.2	27.5
82.5°	13.0	15.6	28.8	25.2	15.5	20.9	82.9	76.8	47.6	17.6	9.2
85°	7.6	9.1	20.3	17.8	7.9	7.4	21.6	19.3	12.4	6.6	4.4
87.5°	4.0	5.1	14.8	11.9	4.8	2.6	4.9	4.8	3.1	2.3	3.0
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°	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4
2.5°	308.7	307.9	312.2	313.6	313.3	312.7	314.3	312.2	312.0	311.5	311.0
5°	314.3	315.6	319.1	319.1	314.5	306.9	302.3	296.0	290.7	287.6	287.1
7.5°	322.7	325.3	327.6	320.6	304.7	286.0	266.0	250.4	236.7	229.6	229.0
10°	334.6	337.0	335.2	315.0	281.0	242.1	209.7	177.1	160.8	151.9	151.9
12.5°	348.7	350.7	339.7	301.0	242.0	185.6	142.3	108.1	91.8	81.2	80.6
15°	364.0	364.5	339.0	276.6	193.7	124.7	81.7	60.0	53.0	51.6	51.2
17.5°	377.4	375.4	332.1	240.5	139.5	74.3	51.9	46.9	45.6	45.6	45.6
20°	389.9	383.3	318.3	198.5	89.4	50.6	44.6	43.3	43.3	43.5	43.5
22.5°	403.7	390.7	298.5	151.9	57.5	43.3	41.8	41.2	41.0	41.5	41.3
25°	420.1	398.0	270.2	104.9	44.5	40.4	39.7	39.0	39.0	39.0	39.0
27.5°	429.1	397.0	237.9	66.2	38.9	37.4	36.7	36.1	35.6	35.4	35.6
30°	437.0	391.2	195.7	46.3	35.1	33.4	32.9	32.1	31.1	30.8	30.8
32.5°	447.4	386.4	151.5	37.2	31.8	30.0	28.5	27.2	25.5	24.9	24.7
35°	458.9	377.7	111.0	32.8	28.8	26.5	24.2	22.1	19.9	19.3	19.1
37.5°	473.3	369.8	75.3	30.3	26.4	23.6	20.4	17.5	15.5	15.2	15.2
40°	492.7	363.2	52.1	28.2	24.1	20.8	17.0	13.8	12.5	12.2	12.2
42.5°	519.2	357.8	39.4	26.4	22.1	18.0	13.7	11.4	10.4	10.0	10.0
45°	550.5	349.4	33.3	24.7	20.1	15.2	11.4	9.6	9.1	9.1	9.1
47.5°	586.4	338.8	30.3	23.1	18.0	12.4	9.6	8.7	8.6	8.6	8.7
50°	622.7	326.3	28.2	21.1	15.5	10.5	8.7	8.2	8.2	8.4	8.4
52.5°	647.2	306.7	26.0	18.9	13.0	9.2	8.2	8.1	7.9	7.9	7.9
55°	671.1	289.6	23.1	16.6	10.9	8.6	7.9	7.7	7.7	7.6	7.6
57.5°	696.0	276.1	19.3	13.8	9.2	8.1	7.6	7.6	7.2	7.1	7.1
60°	724.8	264.2	14.8	10.9	8.1	7.6	7.1	6.9	6.6	6.3	6.3
62.5°	733.2	239.2	11.2	8.7	6.9	6.6	6.4	6.1	5.3	4.6	4.8
65°	711.3	199.8	8.9	6.9	5.6	5.6	5.1	4.3	3.5	3.0	3.0
67.5°	650.8	149.2	7.2	5.4	4.4	4.3	3.6	3.1	2.1	1.8	1.8
70°	536.3	98.7	5.9	4.3	3.6	3.0	2.5	2.3	1.6	1.3	1.3
72.5°	375.9	53.5	4.9	3.5	2.6	2.0	1.6	1.5	1.2	1.0	0.8
75°	198.5	20.6	4.0	2.6	1.6	1.3	1.0	1.0	0.8	0.7	0.7
77.5°	68.0	8.7	2.8	1.5	1.2	0.8	0.7	0.5	0.7	0.5	0.5
80°	16.1	5.1	1.8	1.0	0.7	0.5	0.5	0.3	0.3	0.3	0.3
82.5°	7.1	3.0	1.2	0.7	0.7	0.5	0.3	0.2	0.2	0.2	0.2
85°	4.8	1.8	0.8	0.7	0.5	0.3	0.2	0.2	0.0	0.0	0.0
87.5°	3.8	1.2	0.7	0.7	0.5	0.3	0.2	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)