

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: P674602

Luminaire Tested: **CCP-SA-1A-830-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674602
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-830-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1760.2 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

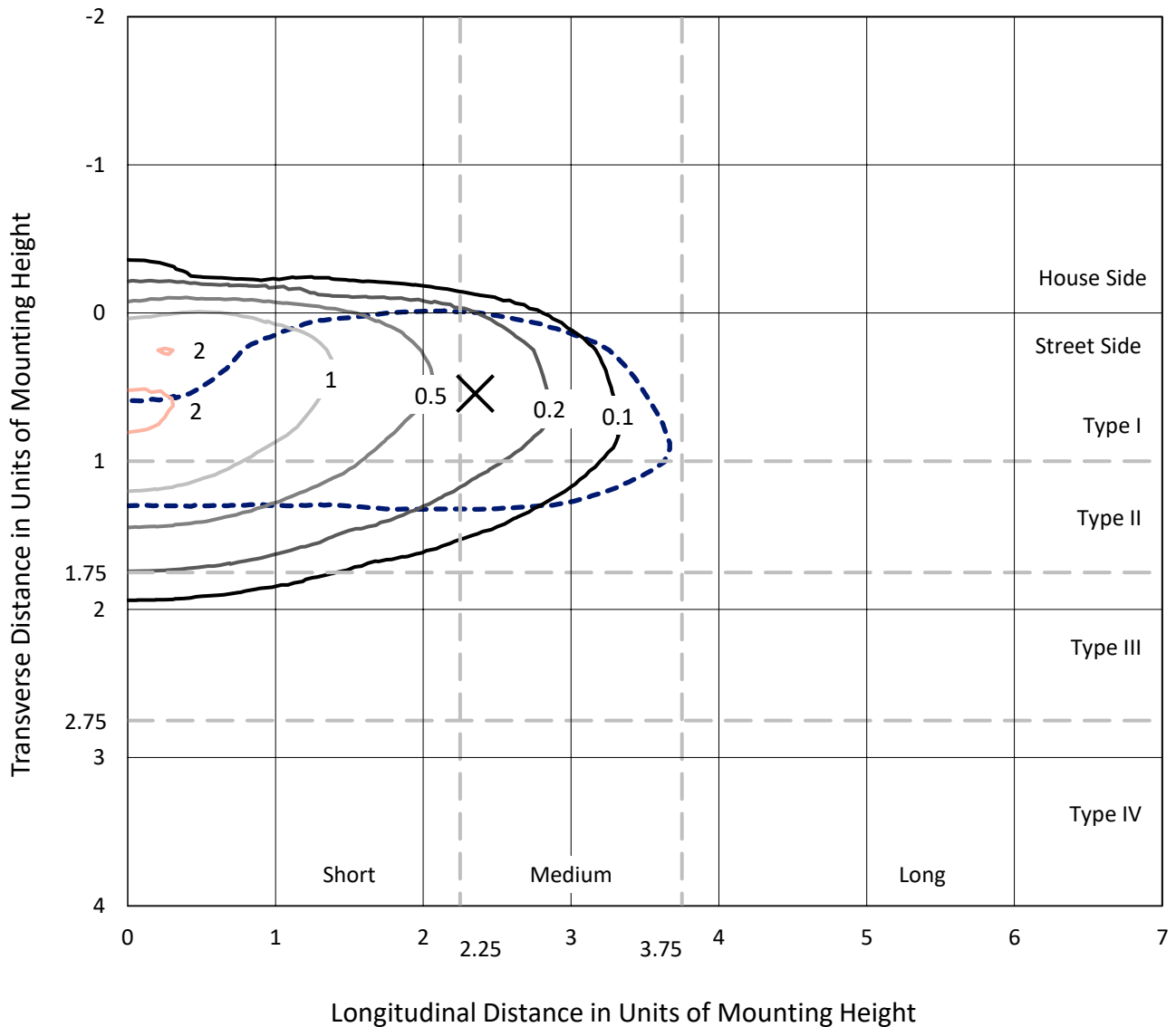
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

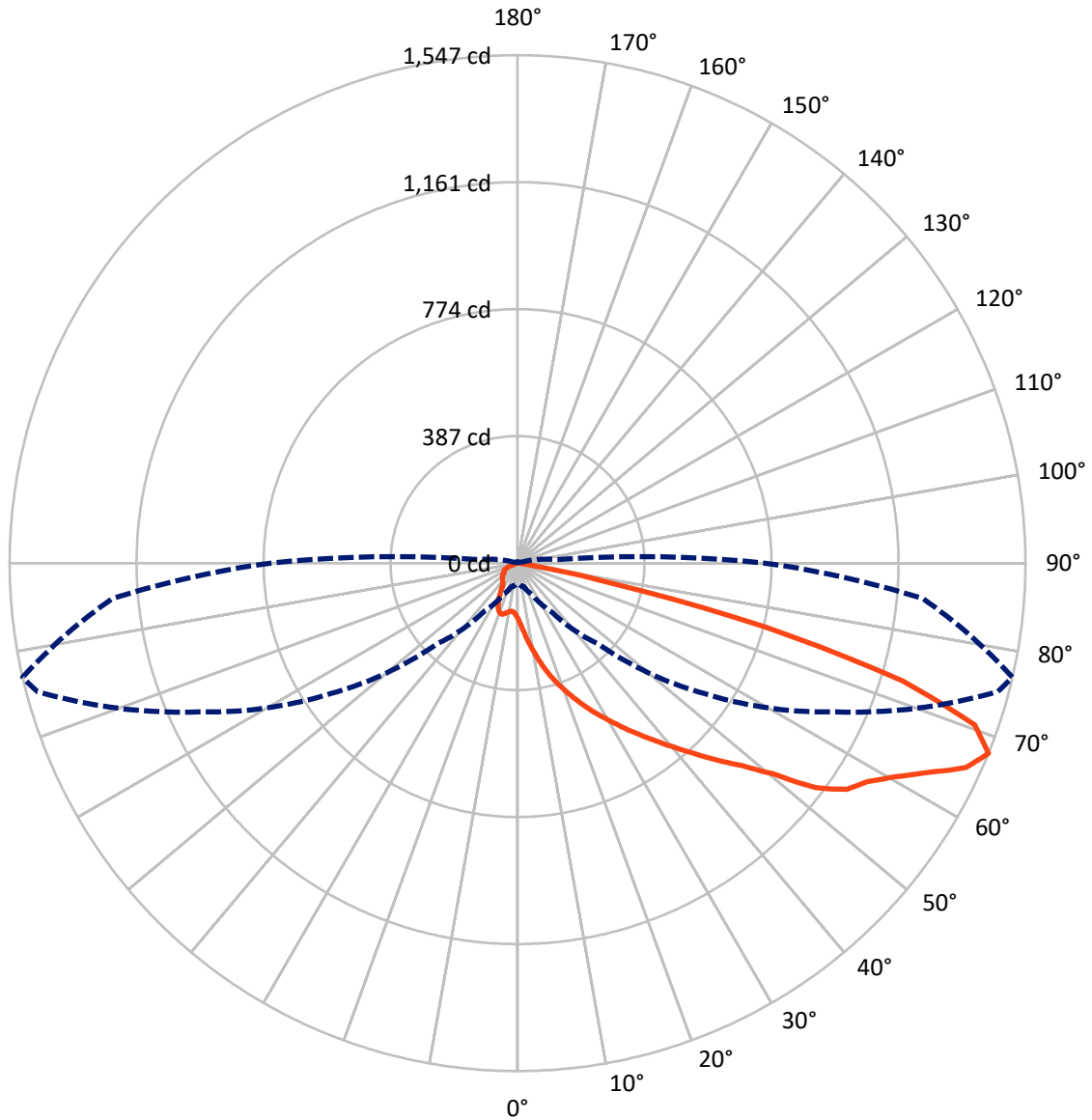
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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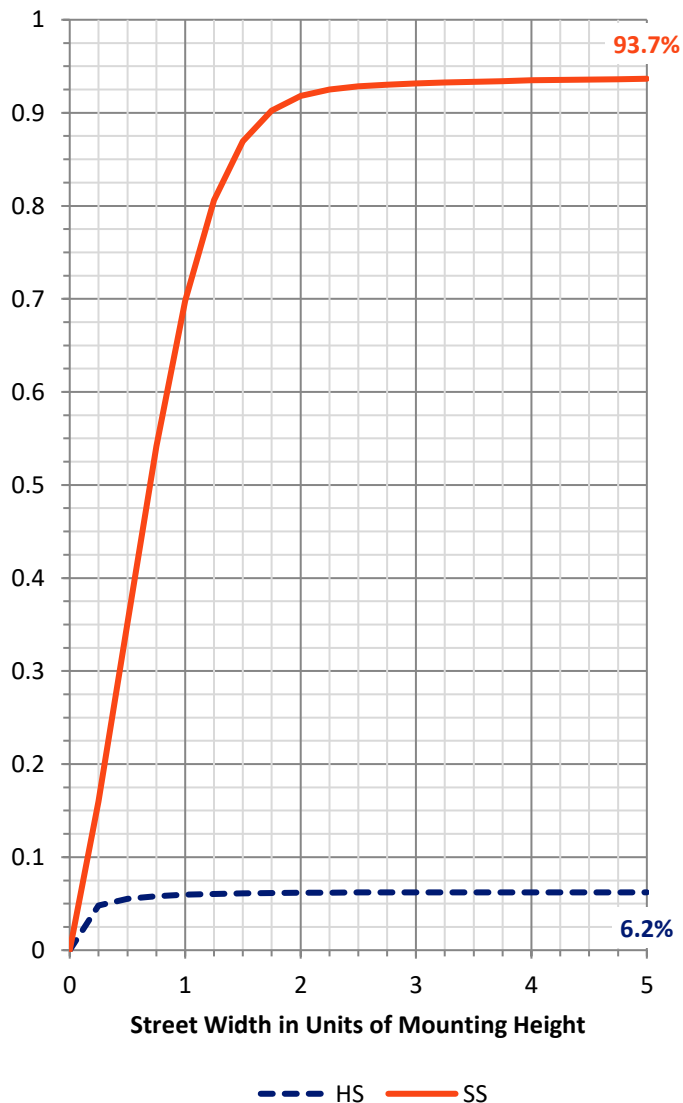
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	110.0	0.0	110.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1650.2	0.0	1650.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	1760.2	0.0	1760.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	1.1
10°-20°	73.3	4.2
20°-30°	143.2	8.1
30°-40°	250.3	14.2
40°-50°	365.0	20.7
50°-60°	426.8	24.2
60°-70°	346.0	19.7
70°-80°	130.0	7.4
80°-90°	5.9	0.3
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°	1760.2	100.0
0°-180°	1760.2	100.0



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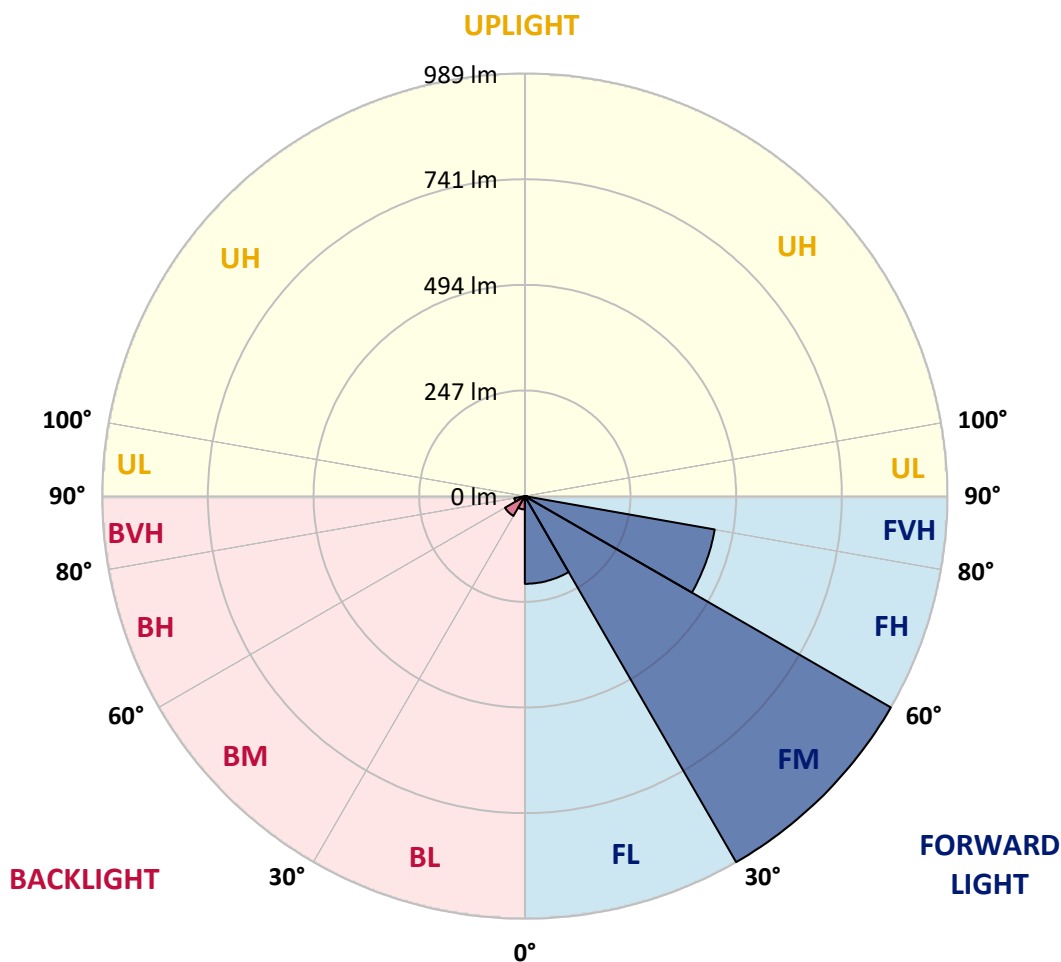
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.0	11.6			
FM (30°-60°)	988.6	56.2			
FH (60°-80°)	451.0	25.6			G0/660
FVH (80°-90°)	5.6	0.3			G0/10
BL (0°-30°)	31.2	1.8	B0/110		
BM (30°-60°)	53.5	3.0	B0/220		
BH (60°-80°)	24.9	1.4	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-G0

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6
2.5°	253.1	243.9	245.7	241.8	236.9	225.5	213.4	201.3	190.5	188.1	177.3
5°	324.2	321.3	318.3	315.7	305.4	291.1	269.3	241.7	216.7	212.5	190.0
7.5°	379.3	375.0	377.7	369.9	359.1	345.3	317.6	288.1	249.6	243.3	208.5
10°	420.0	417.6	418.9	415.2	410.0	396.1	368.8	331.8	287.3	275.2	229.1
12.5°	450.5	451.0	456.5	456.8	452.5	441.3	412.3	373.7	321.5	310.7	252.0
15°	472.7	473.2	480.0	487.3	492.3	486.4	460.2	417.0	361.7	346.9	276.0
17.5°	476.4	476.7	488.8	503.6	518.8	523.9	503.7	459.9	398.4	381.5	303.5
20°	478.8	481.5	492.3	509.3	533.4	549.2	538.2	501.0	434.0	414.4	330.5
22.5°	507.7	507.7	514.0	526.1	545.3	570.0	567.8	538.8	468.6	449.2	357.4
25°	569.0	569.0	562.8	559.6	570.0	589.4	594.9	579.2	508.2	485.3	385.7
27.5°	650.2	650.2	640.5	617.2	608.3	616.4	622.3	614.3	544.7	522.1	415.5
30°	734.4	737.3	720.5	690.7	659.6	653.4	647.7	645.9	583.6	558.2	445.9
32.5°	819.0	818.7	797.7	760.7	720.0	698.1	679.5	677.4	625.0	600.0	474.6
35°	886.5	886.7	864.6	826.6	779.6	751.6	721.7	712.0	670.2	642.4	509.0
37.5°	945.0	941.6	917.8	881.7	837.9	809.0	771.8	746.5	717.1	688.8	543.3
40°	978.5	974.1	950.9	916.5	883.3	861.2	828.5	788.1	768.6	738.1	582.4
42.5°	983.4	979.6	964.2	943.6	916.4	897.0	888.3	835.2	822.6	795.0	629.1
45°	969.6	963.4	958.3	947.5	939.9	930.5	942.4	885.2	884.6	857.1	675.3
47.5°	935.3	926.9	928.1	940.1	948.6	957.1	994.2	950.9	947.0	921.3	736.0
50°	876.7	872.5	886.5	910.0	944.0	977.7	1045.9	1017.9	1033.0	1008.9	819.8
52.5°	757.5	762.6	804.4	860.9	919.7	987.4	1094.3	1118.0	1156.6	1136.8	904.0
55°	614.5	612.6	668.3	768.8	862.7	981.2	1115.5	1177.0	1237.7	1216.9	950.9
57.5°	495.0	498.3	536.0	635.3	765.9	933.4	1120.4	1207.8	1270.3	1256.4	994.2
60°	371.5	374.7	409.0	495.5	637.2	833.6	1079.7	1218.6	1331.4	1320.9	1063.5
62.5°	236.4	240.6	275.1	359.1	487.0	678.5	988.4	1207.3	1395.3	1404.0	1158.1
65°	116.3	120.0	145.4	209.7	325.6	507.4	860.9	1164.3	1476.7	1501.6	1233.9
67.5°	64.4	66.1	74.8	106.8	181.6	348.0	691.9	1072.3	1514.0	1547.4	1238.9
70°	50.1	50.5	53.9	62.3	88.5	204.2	492.1	919.1	1436.6	1477.0	1135.8
72.5°	42.1	42.7	44.3	47.2	55.3	106.3	309.2	710.3	1208.8	1227.0	878.7
75°	30.8	31.8	36.2	38.8	43.7	64.5	136.3	426.8	798.8	780.8	491.6
77.5°	25.9	26.7	27.8	31.5	36.1	44.0	47.8	178.9	325.1	282.7	129.0
80°	17.6	18.6	21.6	23.5	30.5	29.1	19.9	48.0	65.3	53.2	24.8
82.5°	12.6	13.3	14.9	19.2	22.1	15.4	10.8	14.6	15.7	14.9	8.1
85°	4.0	5.1	10.8	15.9	11.9	5.2	6.8	5.6	4.9	4.8	3.2
87.5°	0.8	0.8	5.4	6.4	4.8	2.7	2.4	1.7	2.2	2.2	1.7
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°	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6
2.5°	172.2	165.1	154.8	145.1	135.2	128.2	123.3	118.4	116.5	115.7	113.6
5°	179.9	166.2	145.7	129.2	117.1	109.5	104.9	100.9	98.4	97.6	96.5
7.5°	190.8	171.1	141.7	122.7	110.6	102.3	94.9	86.3	79.5	76.7	75.6
10°	202.8	178.6	142.4	121.4	105.4	87.2	70.6	56.7	50.7	48.5	46.9
12.5°	220.2	186.9	145.1	120.0	89.6	62.3	45.1	39.4	38.0	37.7	37.3
15°	237.7	198.5	149.5	110.4	66.9	42.4	37.5	35.4	34.6	33.8	33.8
17.5°	255.4	209.6	151.3	91.8	46.2	36.7	34.2	32.4	31.1	30.5	30.0
20°	275.2	221.3	146.2	69.1	37.0	33.5	30.7	28.6	27.5	26.9	26.4
22.5°	296.7	232.9	135.1	48.1	33.7	30.2	27.5	25.4	24.3	23.7	23.5
25°	316.8	243.0	117.3	36.2	30.4	27.0	24.5	22.7	21.9	21.3	21.1
27.5°	337.7	251.5	94.1	31.9	27.6	24.5	21.9	20.5	19.7	19.2	19.1
30°	358.0	257.4	70.1	29.2	25.3	22.1	19.9	18.8	18.0	17.5	17.3
32.5°	379.0	260.8	47.4	26.9	22.9	20.0	18.1	17.0	16.5	16.0	16.0
35°	399.2	260.3	34.2	24.6	21.0	18.1	16.4	15.6	15.4	14.9	14.9
37.5°	421.2	256.9	29.1	22.6	18.9	16.4	14.9	14.5	14.3	14.0	13.8
40°	446.4	249.5	26.5	21.0	17.2	14.9	13.7	13.3	13.2	12.9	12.9
42.5°	473.8	239.8	25.1	19.2	15.7	13.5	12.6	12.1	11.9	11.6	11.6
45°	505.8	230.6	24.2	17.5	14.5	12.4	11.4	11.0	10.8	10.5	10.5
47.5°	549.3	225.3	22.6	15.9	13.0	11.3	10.3	10.0	9.7	9.4	9.4
50°	609.2	219.1	20.5	14.3	11.9	10.2	9.5	9.1	8.9	8.6	8.6
52.5°	658.5	205.9	18.4	12.7	10.6	9.4	8.7	8.4	8.1	7.9	7.9
55°	675.8	190.5	16.4	11.4	9.7	8.7	8.1	7.8	7.6	7.5	7.5
57.5°	703.5	185.6	14.5	10.2	8.7	8.1	7.5	7.3	7.2	7.0	6.8
60°	750.6	188.5	12.7	9.1	7.9	7.3	6.8	6.7	6.4	6.0	6.0
62.5°	796.4	185.0	10.8	7.9	6.8	6.5	6.0	5.7	5.1	4.6	4.3
65°	807.5	161.6	9.4	6.7	5.7	5.4	4.9	4.3	3.3	2.7	2.7
67.5°	753.7	122.8	8.1	5.7	4.8	4.4	3.5	2.9	2.1	1.6	1.6
70°	621.9	77.9	6.7	4.4	4.0	3.0	2.2	2.1	1.4	1.3	1.1
72.5°	448.7	42.6	5.6	3.7	2.9	1.9	1.6	1.3	1.0	0.6	0.6
75°	227.2	20.0	4.1	2.9	1.9	1.3	1.0	0.6	0.6	0.5	0.5
77.5°	64.4	9.2	2.7	1.9	1.3	0.8	0.6	0.5	0.5	0.3	0.3
80°	12.7	4.6	1.7	1.3	1.0	0.6	0.5	0.3	0.3	0.2	0.2
82.5°	4.6	2.4	1.3	1.0	0.8	0.6	0.3	0.2	0.2	0.0	0.0
85°	2.4	1.3	1.0	0.8	0.6	0.5	0.3	0.2	0.0	0.0	0.0
87.5°	1.3	1.0	0.8	0.8	0.6	0.5	0.3	0.2	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)