

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: P682735

Luminaire Tested: **CCP-SA-2-AMB-U-AFL**

Issue Date: 04/26/2023

Test Information

Test Method: LM-79-08
Report Number: P682735
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-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @500mA w/ AFL
distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1724.3 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

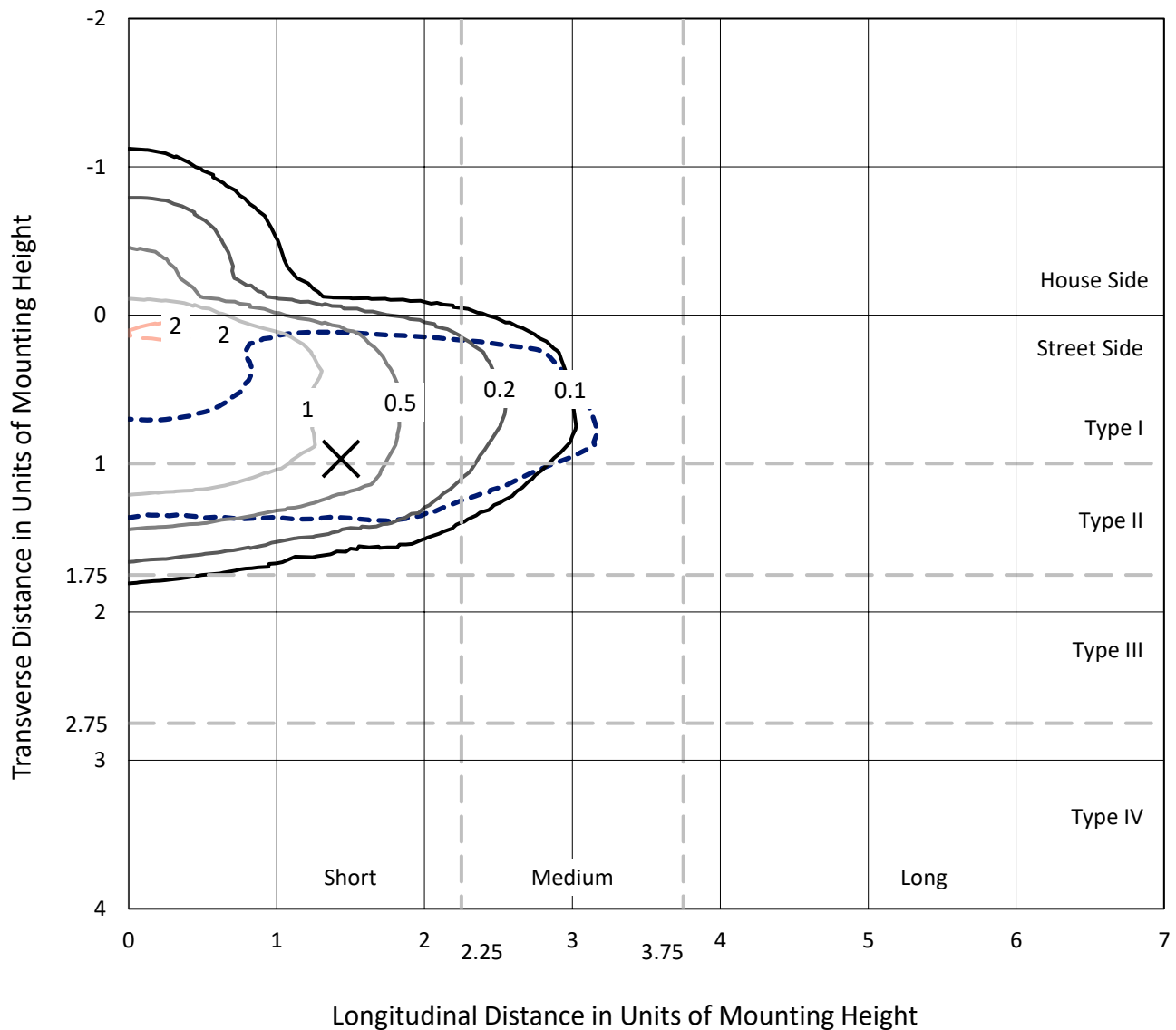
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P682735

CATALOG NUMBER: CCP-SA-2-AMB-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

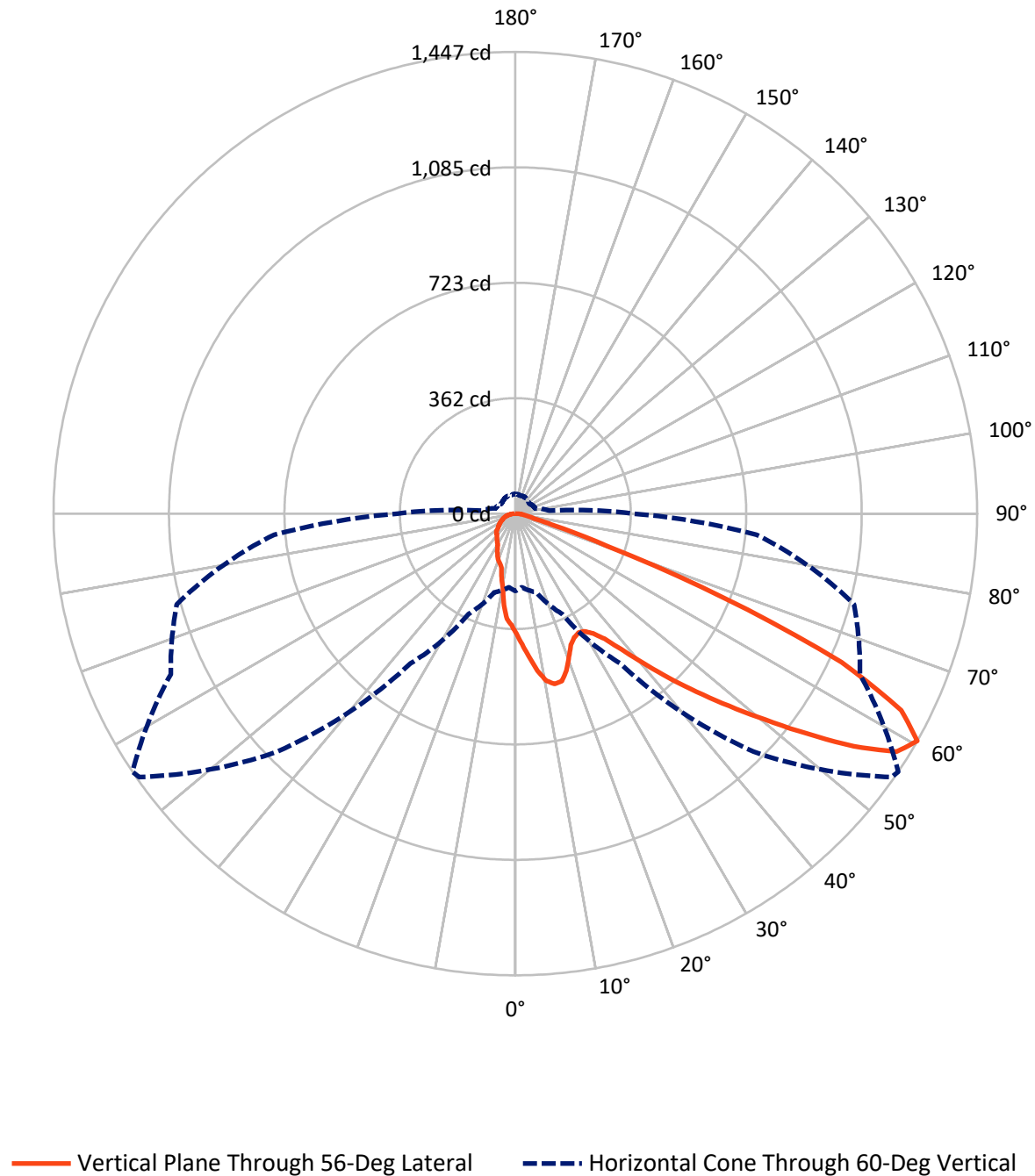
× Max cd
- - - 1/2 Max cd



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

REPORT NUMBER: P682735
CATALOG NUMBER: CCP-SA-2-AMB-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P682735

CATALOG NUMBER: CCP-SA-2-AMB-U-AFL

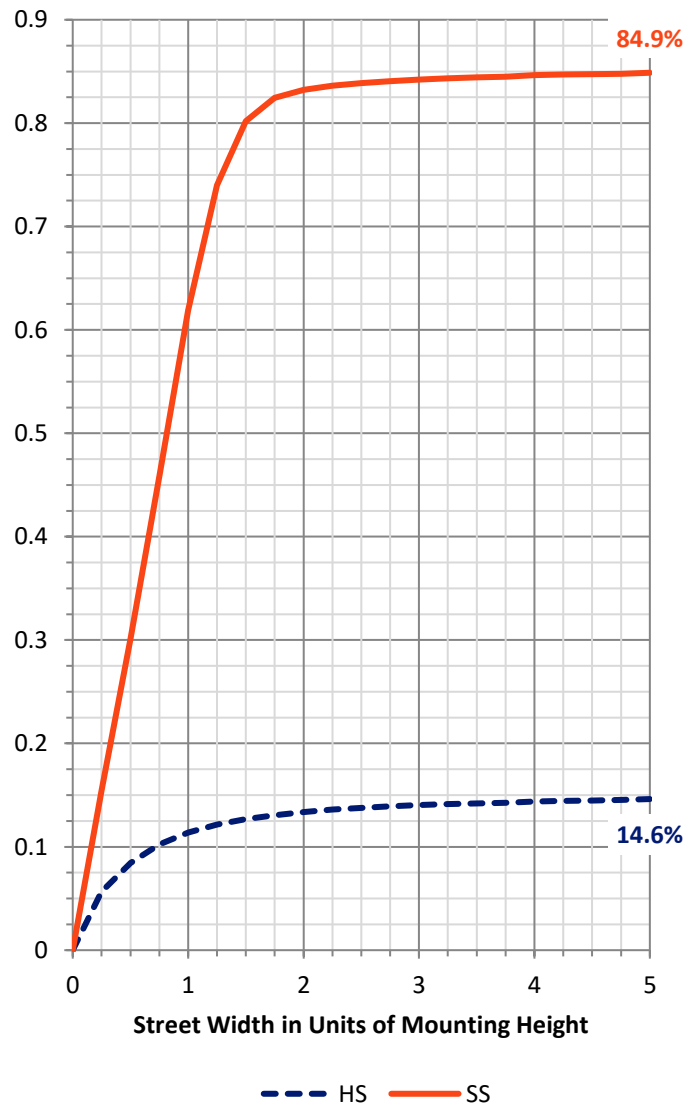
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	256.9	0.0	256.9
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	1467.4	0.0	1467.4
	% Fixture	85.1	0.0	85.1
Total	Lumens	1724.3	0.0	1724.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	2.1
10°-20°	94.2	5.5
20°-30°	139.4	8.1
30°-40°	222.1	12.9
40°-50°	365.0	21.2
50°-60°	442.5	25.7
60°-70°	300.5	17.4
70°-80°	105.8	6.1
80°-90°	19.0	1.1
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°	1724.3	100.0
0°-180°	1724.3	100.0

Coefficient of Utilization



REPORT NUMBER: P682735

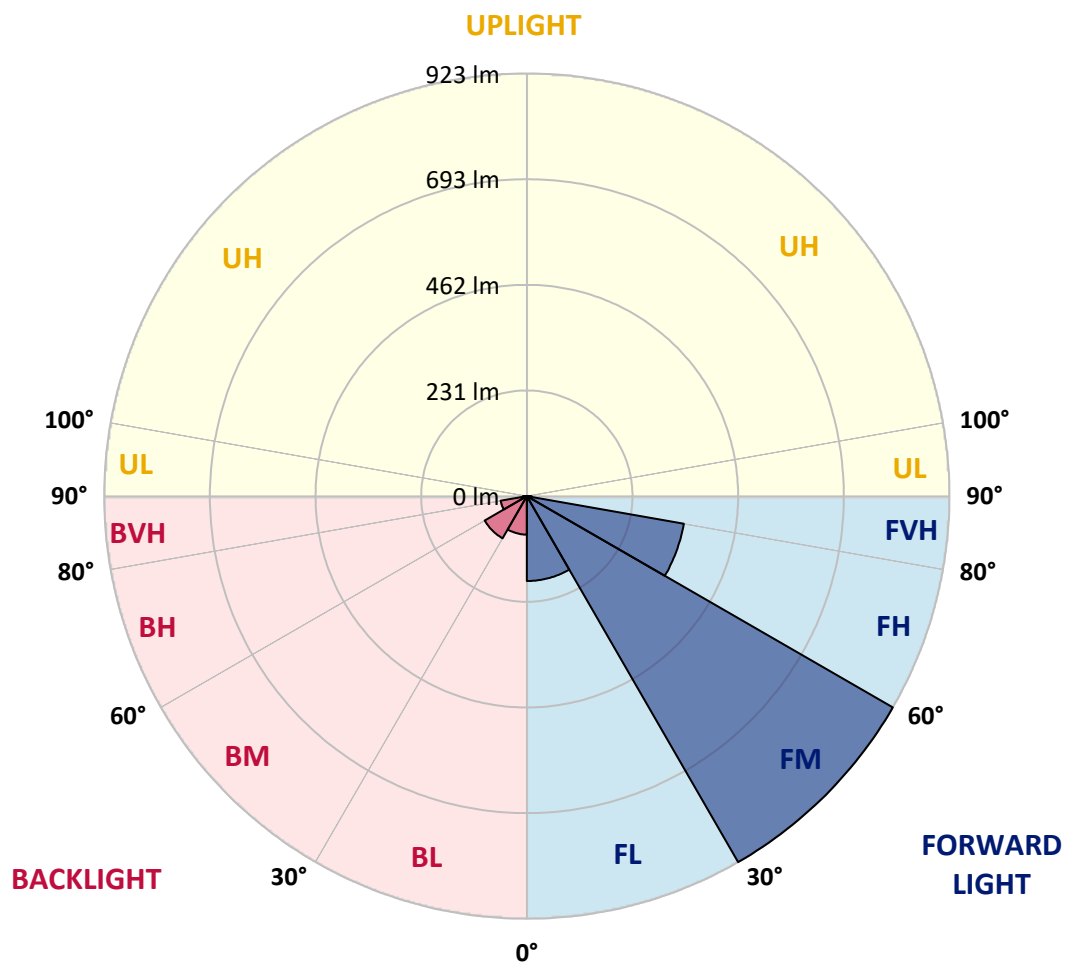
CATALOG NUMBER: CCP-SA-2-AMB-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.4	10.8			
FM	(30°-60°)	923.4	53.6			
FH	(60°-80°)	348.3	20.2			G0/660
FVH	(80°-90°)	10.4	0.6			G1/100
BL	(0°-30°)	84.0	4.9	B0/110		
BM	(30°-60°)	106.3	6.2	B0/220		
BH	(60°-80°)	58.0	3.4	B0/110		G0/110
BVH	(80°-90°)	8.6	0.5			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 II Short



REPORT NUMBER: P682735

CATALOG NUMBER: CCP-SA-2-AMB-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6
2.5°	435.4	429.4	429.4	422.0	420.5	417.5	410.0	410.0	401.0	392.0	383.1
5°	486.3	487.8	483.3	478.8	475.8	463.9	450.4	450.4	435.4	417.5	399.5
7.5°	477.3	483.3	487.8	495.3	505.8	508.7	498.3	496.8	474.3	447.4	419.0
10°	411.5	417.5	427.9	456.4	487.8	519.2	529.7	532.7	519.2	480.3	441.4
12.5°	347.1	353.1	363.6	390.5	433.9	496.8	543.2	547.7	556.6	513.2	465.4
15°	315.7	317.2	321.7	339.7	381.6	450.4	535.7	544.7	582.1	549.2	489.3
17.5°	297.8	300.8	303.8	317.2	342.7	402.5	505.8	517.7	598.5	579.1	505.8
20°	293.3	293.3	296.3	306.7	327.7	371.1	465.4	478.8	597.0	601.5	513.2
22.5°	315.7	315.7	309.7	309.7	324.7	359.1	432.4	445.9	582.1	615.0	513.2
25°	366.6	365.1	350.1	339.7	338.2	363.6	419.0	429.4	558.1	624.0	508.7
27.5°	425.0	423.5	404.0	384.6	371.1	377.1	414.5	422.0	541.7	631.4	505.8
30°	510.2	507.3	481.8	447.4	413.0	402.5	420.5	427.9	526.7	638.9	507.3
32.5°	607.5	601.5	571.6	526.7	478.8	442.9	444.4	447.4	523.7	649.4	508.7
35°	706.3	698.8	655.4	616.5	558.1	507.3	480.3	481.8	537.2	668.9	516.2
37.5°	800.5	797.5	755.6	706.3	644.9	585.1	537.2	538.7	568.6	698.8	531.2
40°	885.8	879.8	846.9	803.5	734.7	670.4	615.0	613.5	610.5	743.7	555.1
42.5°	948.7	941.2	918.7	899.3	827.5	760.1	704.8	701.8	677.8	803.5	585.1
45°	983.1	972.6	959.1	971.1	929.2	857.4	797.5	796.0	775.1	870.9	624.0
47.5°	975.6	963.6	969.6	1017.5	1017.5	966.6	905.3	900.8	867.9	957.6	661.4
50°	881.3	867.9	927.7	1034.0	1086.3	1084.8	1022.0	1014.5	957.6	1032.5	701.8
52.5°	773.6	763.1	802.0	978.6	1110.3	1194.1	1158.2	1146.2	1020.5	1074.4	725.7
55°	632.9	616.5	658.4	818.5	1047.4	1255.4	1298.8	1286.8	1068.4	1090.8	739.2
57.5°	427.9	411.5	471.3	595.5	867.9	1224.0	1418.5	1408.0	1110.3	1096.8	746.7
60°	242.4	231.9	255.9	347.1	573.1	1054.9	1439.5	1446.9	1191.1	1098.3	758.6
62.5°	125.7	121.2	130.2	172.1	291.8	709.3	1334.7	1357.2	1274.9	1113.3	778.1
65°	95.8	91.3	82.3	88.3	133.2	344.2	1077.4	1123.7	1225.5	1114.8	779.6
67.5°	82.3	79.3	68.8	65.8	76.3	145.1	622.5	704.8	1014.5	1077.4	772.1
70°	73.3	71.8	61.3	56.9	58.4	77.8	270.8	306.7	718.2	996.6	733.2
72.5°	64.3	62.8	53.9	47.9	47.9	53.9	101.7	119.7	422.0	787.1	573.1
75°	56.9	55.4	47.9	41.9	38.9	40.4	56.9	59.9	191.5	447.4	317.2
77.5°	49.4	47.9	41.9	35.9	32.9	29.9	41.9	43.4	80.8	176.6	151.1
80°	40.4	40.4	35.9	29.9	26.9	23.9	28.4	29.9	46.4	76.3	79.3
82.5°	29.9	32.9	31.4	25.4	20.9	18.0	19.5	20.9	32.9	47.9	37.4
85°	12.0	13.5	20.9	18.0	15.0	12.0	15.0	15.0	22.4	28.4	10.5
87.5°	6.0	6.0	10.5	9.0	7.5	4.5	7.5	7.5	12.0	13.5	4.5
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: P682735

CATALOG NUMBER: CCP-SA-2-AMB-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6
2.5°	381.6	375.6	365.1	357.6	348.6	339.7	335.2	335.2	327.7	329.2	329.2
5°	393.5	383.1	366.6	351.6	329.2	308.2	287.3	272.3	258.9	251.4	255.9
7.5°	408.5	393.5	365.1	333.7	284.3	240.9	218.5	209.5	203.5	199.0	200.5
10°	423.5	402.5	362.1	293.3	228.9	205.0	187.0	179.6	178.1	179.6	181.1
12.5°	441.4	414.5	342.7	243.9	202.0	173.6	176.6	182.6	184.0	187.0	187.0
15°	453.4	420.5	312.7	212.5	170.6	170.6	179.6	188.5	191.5	193.0	194.5
17.5°	460.9	416.0	269.3	185.5	161.6	170.6	181.1	190.0	191.5	194.5	196.0
20°	456.4	399.5	225.9	155.6	157.1	166.1	175.1	179.6	182.6	184.0	185.5
22.5°	447.4	375.6	193.0	142.2	148.1	155.6	161.6	164.6	161.6	160.1	161.6
25°	432.4	333.7	163.1	130.2	136.2	142.2	146.6	142.2	137.7	137.7	137.7
27.5°	417.5	297.8	133.2	118.2	124.2	128.7	127.2	127.2	125.7	122.7	124.2
30°	404.0	257.4	112.2	107.7	112.2	116.7	118.2	119.7	118.2	116.7	118.2
32.5°	390.5	220.0	100.3	100.3	107.7	107.7	113.7	116.7	115.2	109.2	110.7
35°	377.1	190.0	91.3	94.3	101.7	104.7	110.7	110.7	103.2	97.3	98.8
37.5°	368.1	167.6	83.8	91.3	95.8	100.3	104.7	100.3	98.8	94.3	94.3
40°	359.1	151.1	79.3	86.8	91.3	97.3	92.8	94.3	94.3	89.8	89.8
42.5°	353.1	133.2	76.3	85.3	86.8	88.3	85.3	88.3	88.3	85.3	85.3
45°	350.1	119.7	74.8	80.8	85.3	79.3	77.8	80.8	82.3	80.8	80.8
47.5°	341.2	109.2	73.3	77.8	80.8	74.8	73.3	73.3	76.3	77.8	77.8
50°	341.2	103.2	73.3	74.8	71.8	70.3	68.8	68.8	71.8	73.3	73.3
52.5°	342.7	103.2	71.8	71.8	67.3	67.3	65.8	64.3	67.3	70.3	70.3
55°	341.2	103.2	70.3	67.3	62.8	64.3	62.8	61.3	64.3	65.8	65.8
57.5°	350.1	103.2	67.3	64.3	58.4	59.9	61.3	59.9	61.3	62.8	62.8
60°	369.6	106.2	64.3	59.9	53.9	55.4	58.4	59.9	58.4	61.3	61.3
62.5°	401.0	107.7	62.8	55.4	49.4	52.4	56.9	58.4	56.9	61.3	61.3
65°	411.5	109.2	59.9	50.9	44.9	49.4	52.4	55.4	55.4	59.9	59.9
67.5°	407.0	110.7	55.4	46.4	41.9	44.9	49.4	50.9	52.4	58.4	58.4
70°	366.6	115.2	52.4	41.9	38.9	41.9	44.9	46.4	47.9	56.9	55.4
72.5°	282.8	110.7	47.9	35.9	34.4	37.4	40.4	43.4	44.9	52.4	50.9
75°	188.5	95.8	38.9	31.4	29.9	32.9	35.9	37.4	41.9	50.9	50.9
77.5°	113.7	71.8	31.4	26.9	25.4	28.4	29.9	34.4	43.4	47.9	47.9
80°	64.3	49.4	25.4	20.9	20.9	23.9	25.4	34.4	37.4	44.9	44.9
82.5°	34.4	29.9	19.5	16.5	16.5	18.0	22.4	28.4	34.4	32.9	29.9
85°	12.0	15.0	12.0	10.5	12.0	10.5	20.9	25.4	19.5	20.9	19.5
87.5°	4.5	7.5	6.0	4.5	4.5	4.5	12.0	7.5	9.0	6.0	4.5
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)