

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: P670747

Luminaire Tested: **CCP-SA-1A-850-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670747
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-850-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

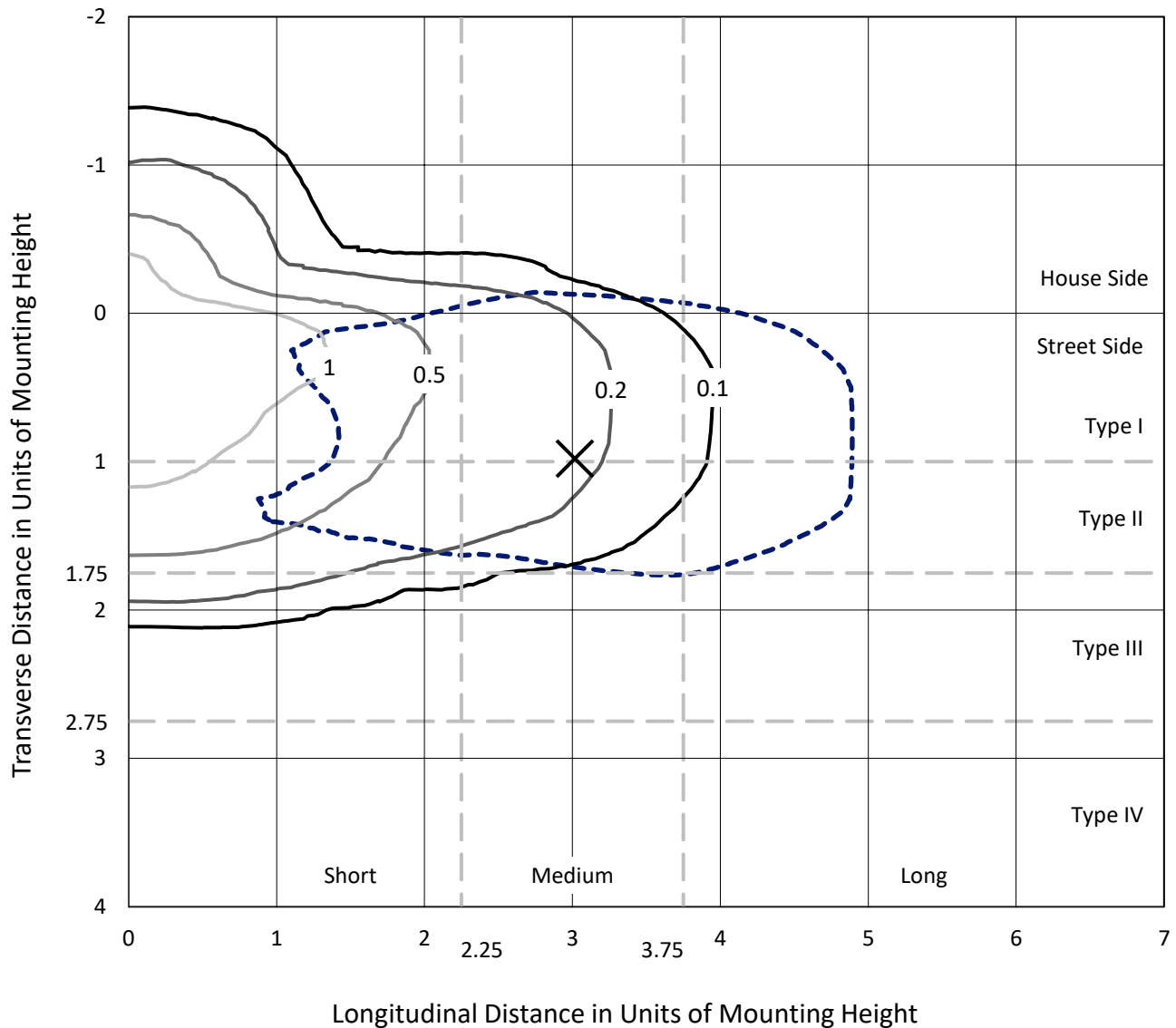
Lumens per Lamp: N/A
Luminaire Lumens: 2381.3 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P670747
 CATALOG NUMBER: CCP-SA-1A-850-U-T2

Iso-Footcandle Lines of Horizontal Illumination

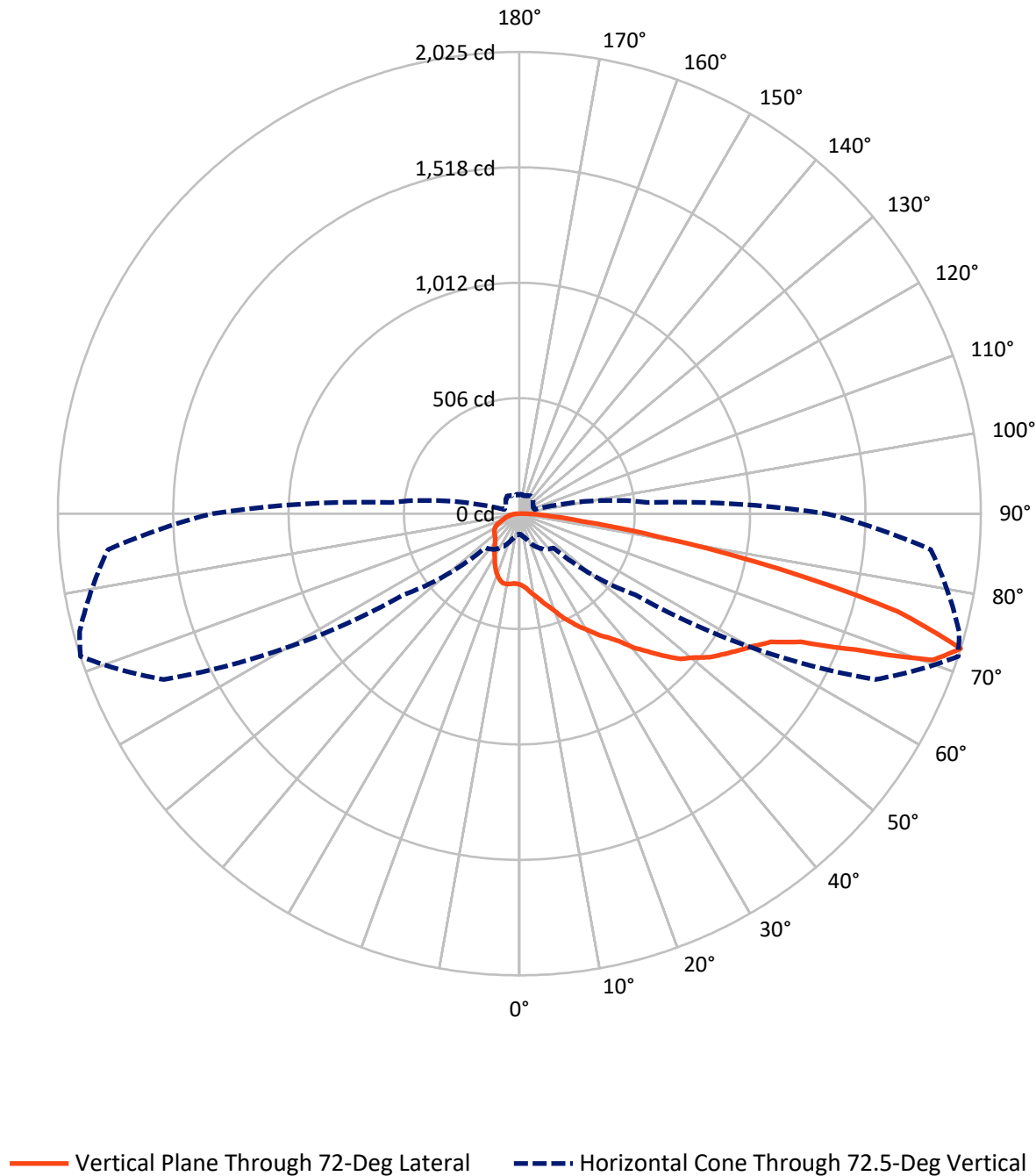
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P670747
CATALOG NUMBER: CCP-SA-1A-850-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P670747

CATALOG NUMBER: CCP-SA-1A-850-U-T2

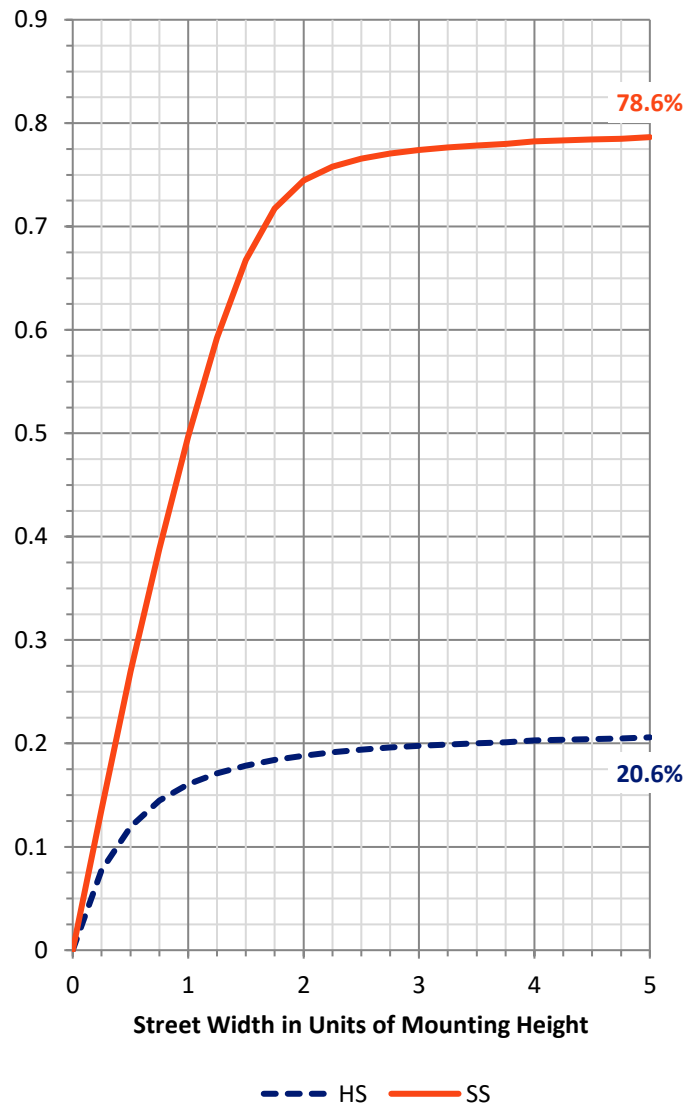
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	501.2	0.0	501.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	1880.1	0.0	1880.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	2381.3	0.0	2381.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	1.3
10°-20°	95.6	4.0
20°-30°	165.4	6.9
30°-40°	244.2	10.3
40°-50°	363.2	15.3
50°-60°	498.0	20.9
60°-70°	540.1	22.7
70°-80°	380.8	16.0
80°-90°	63.3	2.7
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°	2381.3	100.0
0°-180°	2381.3	100.0

Coefficient of Utilization



REPORT NUMBER: P670747

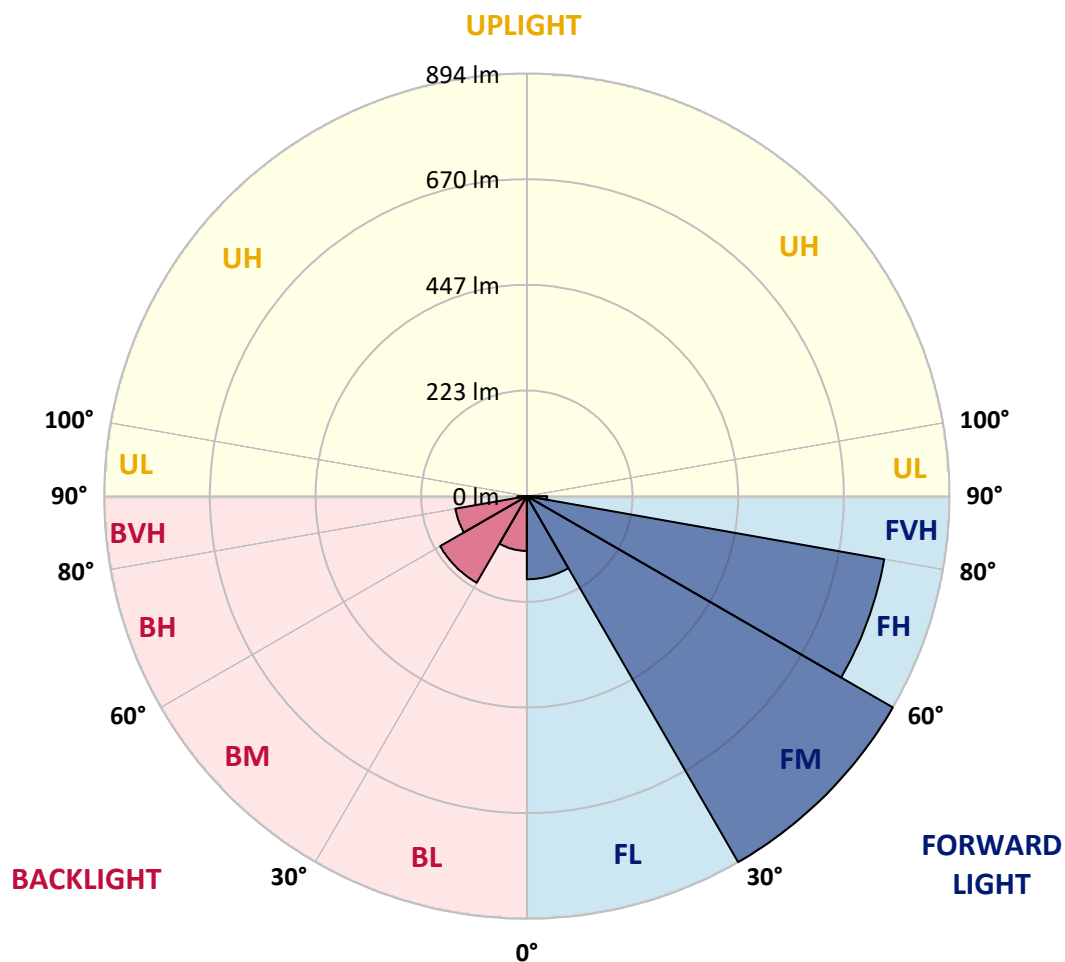
CATALOG NUMBER: CCP-SA-1A-850-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.8	7.4			
FM	(30°-60°)	893.8	37.5			
FH	(60°-80°)	767.4	32.2			G1/1800
FVH	(80°-90°)	43.1	1.8			G1/100
BL	(0°-30°)	115.8	4.9	B1/500		
BM	(30°-60°)	211.7	8.9	B0/220		
BH	(60°-80°)	153.5	6.4	B1/500		G1/500
BVH	(80°-90°)	20.1	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



REPORT NUMBER: P670747

CATALOG NUMBER: CCP-SA-1A-850-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1
2.5°	335.7	335.7	333.0	332.2	332.2	325.1	326.0	321.6	318.1	318.1	314.6
5°	353.2	351.5	351.5	351.5	347.1	344.5	343.6	335.7	329.5	330.4	319.9
7.5°	357.6	358.5	359.4	363.8	361.2	362.9	361.2	352.4	348.0	343.6	333.9
10°	360.3	362.0	362.0	368.2	368.2	372.6	375.2	371.7	363.8	359.4	343.6
12.5°	366.4	363.8	367.3	371.7	376.1	384.0	391.9	388.4	383.1	377.8	360.3
15°	366.4	367.3	369.9	377.0	384.0	391.9	406.0	411.2	408.6	398.9	380.5
17.5°	355.9	353.2	365.5	378.7	391.9	401.6	420.0	432.3	430.6	427.1	398.9
20°	356.8	359.4	363.8	375.2	396.3	413.9	436.7	456.9	461.3	459.6	423.5
22.5°	372.6	373.5	377.8	383.1	399.8	422.7	456.9	489.4	497.4	493.0	450.8
25°	388.4	395.4	395.4	398.9	405.1	428.8	470.1	515.8	527.2	528.1	478.9
27.5°	413.9	415.6	420.9	422.7	427.9	442.0	485.1	535.1	561.5	558.0	504.4
30°	443.8	444.6	448.1	446.4	447.3	464.8	499.1	557.1	593.1	594.0	531.6
32.5°	478.9	485.9	487.7	476.3	478.0	482.4	521.1	583.5	632.7	626.5	555.3
35°	530.7	533.4	528.1	522.8	509.7	507.0	543.9	609.8	666.9	674.0	590.5
37.5°	594.9	601.9	594.9	566.8	552.7	542.2	572.0	638.8	708.2	732.0	625.6
40°	654.6	653.8	646.7	621.3	596.6	588.7	612.5	679.2	772.4	795.2	676.6
42.5°	703.0	700.3	695.9	676.6	653.8	640.6	659.0	721.4	826.0	869.9	735.5
45°	745.2	741.6	742.5	720.5	698.6	705.6	705.6	769.8	889.3	943.7	803.1
47.5°	784.7	786.5	783.8	767.1	750.4	768.9	759.2	825.1	951.7	1012.3	860.3
50°	830.4	833.9	825.1	814.6	799.6	818.1	805.8	877.0	992.1	1074.7	928.8
52.5°	873.4	877.0	884.9	871.7	856.7	871.7	843.6	925.3	1045.7	1135.3	981.5
55°	884.0	882.2	926.2	940.2	948.1	903.3	877.0	966.6	1087.9	1174.0	1041.3
57.5°	835.7	840.1	899.8	940.2	1024.6	985.9	914.7	1014.9	1131.8	1224.9	1096.6
60°	715.3	717.9	792.6	888.4	1011.4	1063.2	1016.7	1077.3	1180.1	1268.0	1159.0
62.5°	478.0	498.2	591.4	741.6	918.3	1084.3	1179.2	1182.8	1239.0	1322.5	1244.3
65°	252.2	261.9	334.8	456.1	695.9	1011.4	1332.1	1391.9	1356.7	1422.6	1367.3
67.5°	165.2	168.7	208.3	276.8	401.6	738.1	1349.7	1754.8	1593.1	1613.3	1564.1
70°	123.0	124.8	153.8	204.7	248.7	394.5	1106.3	1924.4	1923.5	1869.9	1797.9
72.5°	90.5	93.1	113.4	156.4	191.6	212.6	622.1	1721.4	2024.6	1997.3	1811.9
75°	71.2	72.9	83.5	121.3	154.7	139.7	315.5	1275.0	1717.0	1847.9	1658.1
77.5°	58.0	59.8	65.9	87.9	123.9	108.1	151.1	822.5	1164.3	1330.4	1268.9
80°	48.3	48.3	52.7	62.4	95.8	81.7	89.6	462.2	627.4	692.4	575.6
82.5°	41.3	40.4	43.9	45.7	71.2	58.9	58.0	209.1	275.9	292.6	216.2
85°	26.4	27.2	41.3	39.5	46.6	40.4	32.5	99.3	130.1	132.7	80.8
87.5°	10.5	10.5	17.6	22.0	26.4	24.6	15.8	44.8	57.1	57.1	22.8
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: P670747

CATALOG NUMBER: CCP-SA-1A-850-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1
2.5°	313.7	310.2	307.6	305.8	301.4	297.0	297.9	297.0	293.5	291.7	291.7
5°	317.2	313.7	309.3	302.3	297.9	292.6	294.4	290.9	287.3	290.0	285.6
7.5°	326.0	319.9	313.7	303.2	296.1	288.2	284.7	282.9	280.3	278.6	278.6
10°	338.3	329.5	318.1	302.3	290.9	278.6	276.8	273.3	270.6	270.6	269.8
12.5°	350.6	340.9	321.6	296.1	276.8	268.0	267.1	268.0	269.8	270.6	271.5
15°	366.4	350.6	320.7	284.7	265.4	261.9	266.3	269.8	273.3	276.8	275.9
17.5°	381.4	362.9	312.8	270.6	255.7	256.6	264.5	271.5	278.6	282.1	282.9
20°	401.6	374.3	301.4	253.9	246.0	253.9	264.5	273.3	281.2	285.6	286.5
22.5°	424.4	387.5	286.5	239.0	238.1	246.0	256.6	269.8	278.6	286.5	285.6
25°	444.6	396.3	267.1	226.7	228.5	233.7	246.0	260.1	268.9	277.7	275.0
27.5°	457.8	398.1	246.9	217.9	217.9	223.2	234.6	243.4	251.3	258.3	259.2
30°	472.8	394.5	224.1	206.5	206.5	213.5	217.9	223.2	227.6	229.3	231.1
32.5°	490.3	386.6	210.0	197.7	197.7	203.0	205.6	203.9	203.0	198.6	201.2
35°	507.0	375.2	194.2	186.3	189.8	192.4	191.6	186.3	181.0	173.1	170.5
37.5°	527.2	363.8	180.1	174.0	180.1	181.0	181.0	174.9	167.8	158.2	158.2
40°	558.0	355.0	168.7	166.1	172.2	171.3	167.0	162.6	165.2	159.9	159.9
42.5°	590.5	351.5	158.2	159.0	161.7	162.6	158.2	152.9	163.4	157.3	158.2
45°	630.9	354.1	151.1	150.3	156.4	155.5	152.9	148.5	152.0	136.2	131.8
47.5°	668.7	359.4	147.6	144.1	151.1	152.9	149.4	139.7	134.4	124.8	123.0
50°	703.0	370.8	144.1	137.1	144.1	147.6	141.5	130.9	124.8	118.6	118.6
52.5°	735.5	387.5	142.4	129.2	135.3	139.7	136.2	125.7	118.6	116.0	113.4
55°	768.9	402.5	139.7	123.9	125.7	134.4	133.6	119.5	112.5	112.5	111.6
57.5°	816.3	422.7	136.2	115.1	118.6	128.3	128.3	116.9	109.0	109.8	110.7
60°	864.7	446.4	132.7	106.3	109.0	122.1	123.9	113.4	106.3	107.2	106.3
62.5°	942.0	490.3	125.7	95.8	101.1	114.2	118.6	109.0	102.8	104.6	104.6
65°	1058.9	565.9	110.7	87.0	93.1	107.2	113.4	104.6	97.5	102.8	101.1
67.5°	1246.9	669.6	93.1	80.0	87.9	100.2	107.2	99.3	93.1	101.1	98.4
70°	1415.6	720.5	80.0	73.8	80.0	92.3	100.2	94.0	87.9	95.8	92.3
72.5°	1347.1	565.0	69.4	66.8	72.9	83.5	93.1	87.0	80.8	85.2	81.7
75°	1162.5	449.9	60.6	59.8	65.0	75.6	85.2	80.8	74.7	76.4	74.7
77.5°	881.4	371.7	51.8	51.0	55.4	67.7	76.4	72.9	66.8	65.9	65.9
80°	393.7	182.8	43.1	43.1	45.7	58.0	65.0	63.3	57.1	56.2	55.4
82.5°	129.2	69.4	35.1	33.4	36.9	48.3	58.0	56.2	50.1	48.3	46.6
85°	51.8	33.4	25.5	25.5	29.0	40.4	51.8	48.3	40.4	36.0	36.0
87.5°	17.6	14.1	13.2	13.2	18.5	27.2	38.7	32.5	29.0	25.5	26.4
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)