

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: P672032

Luminaire Tested: **CCP-SA-1A-840-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672032
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-840-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

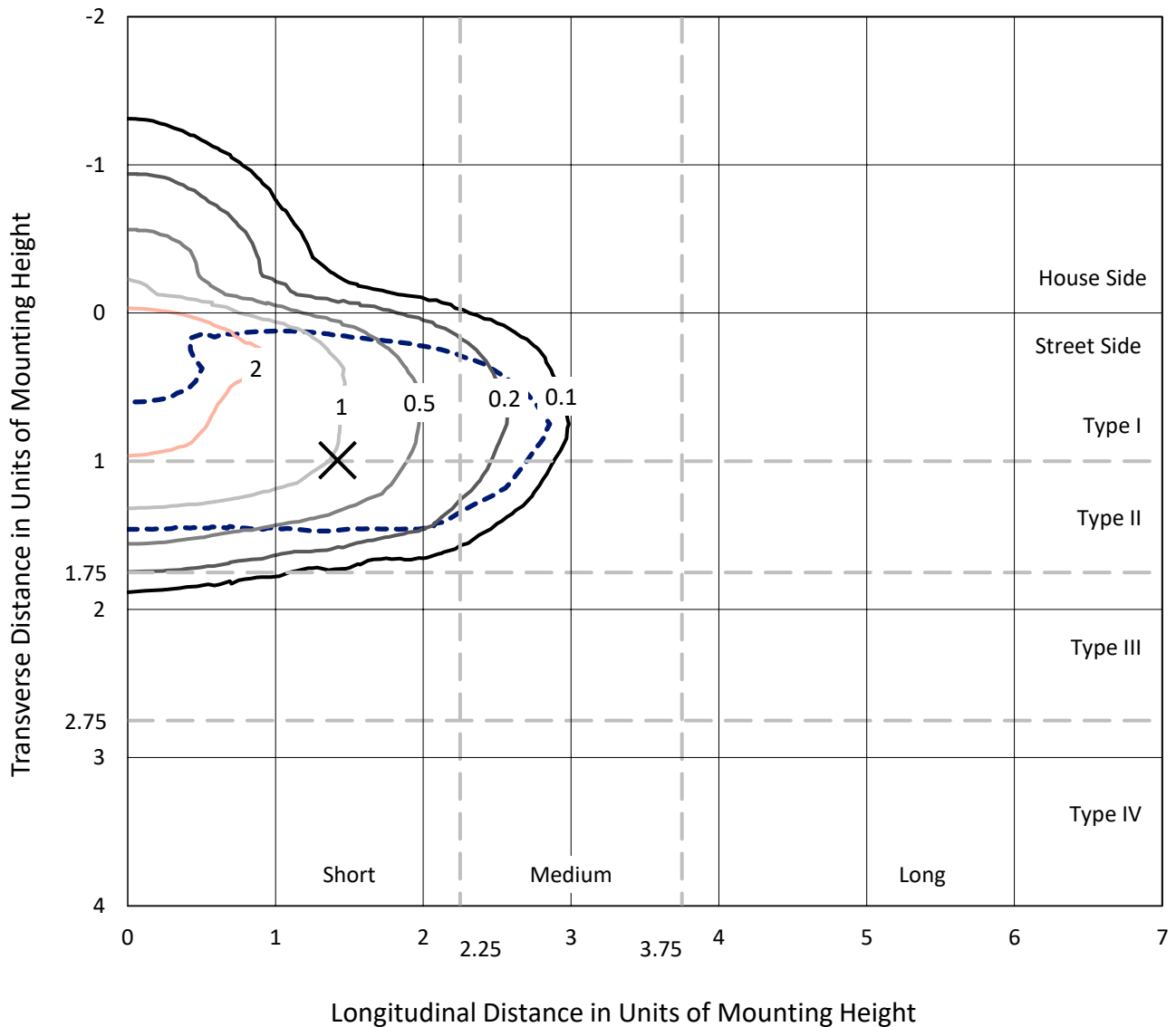
Lumens per Lamp: N/A
Luminaire Lumens: 2353.9 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

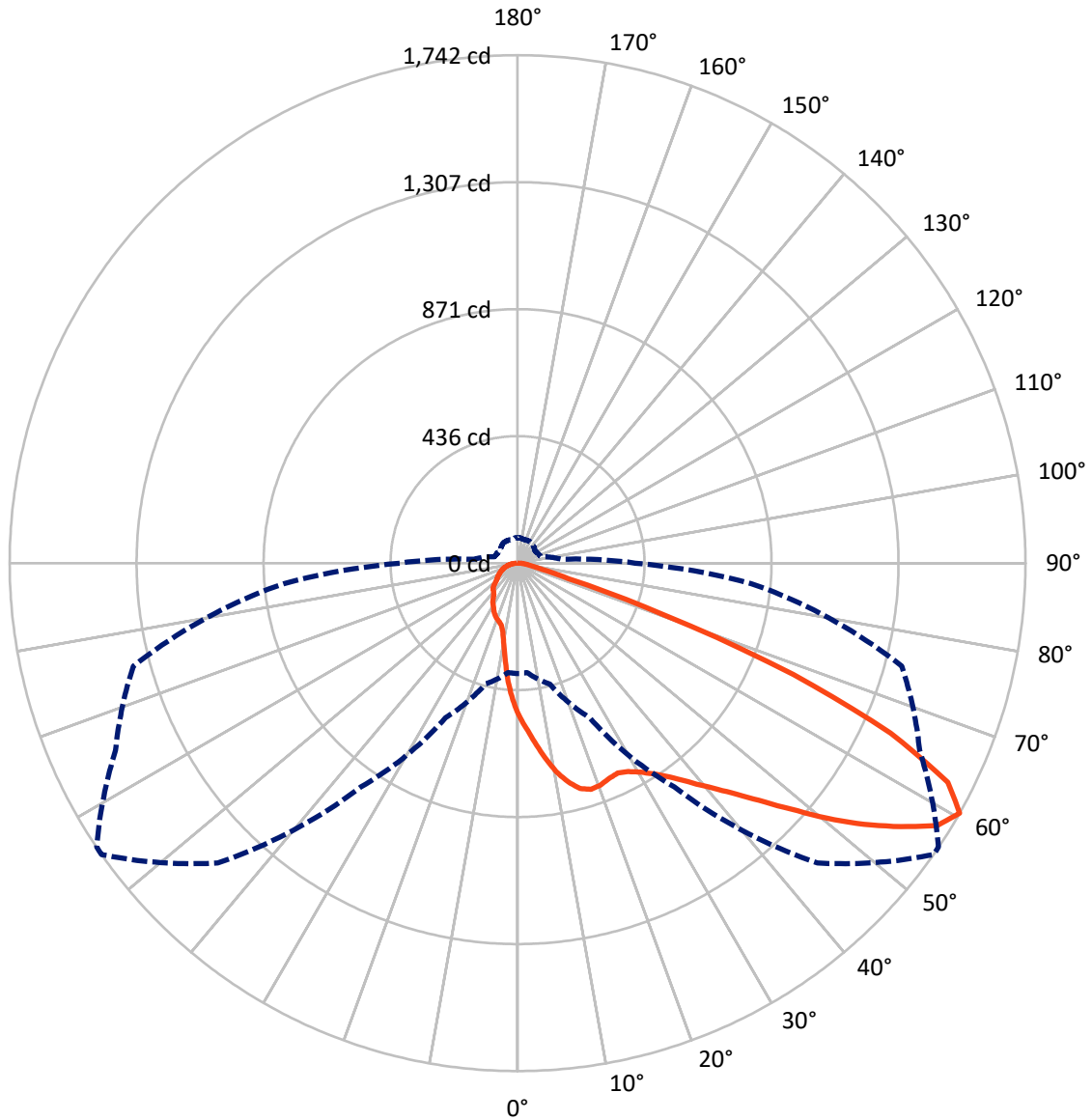
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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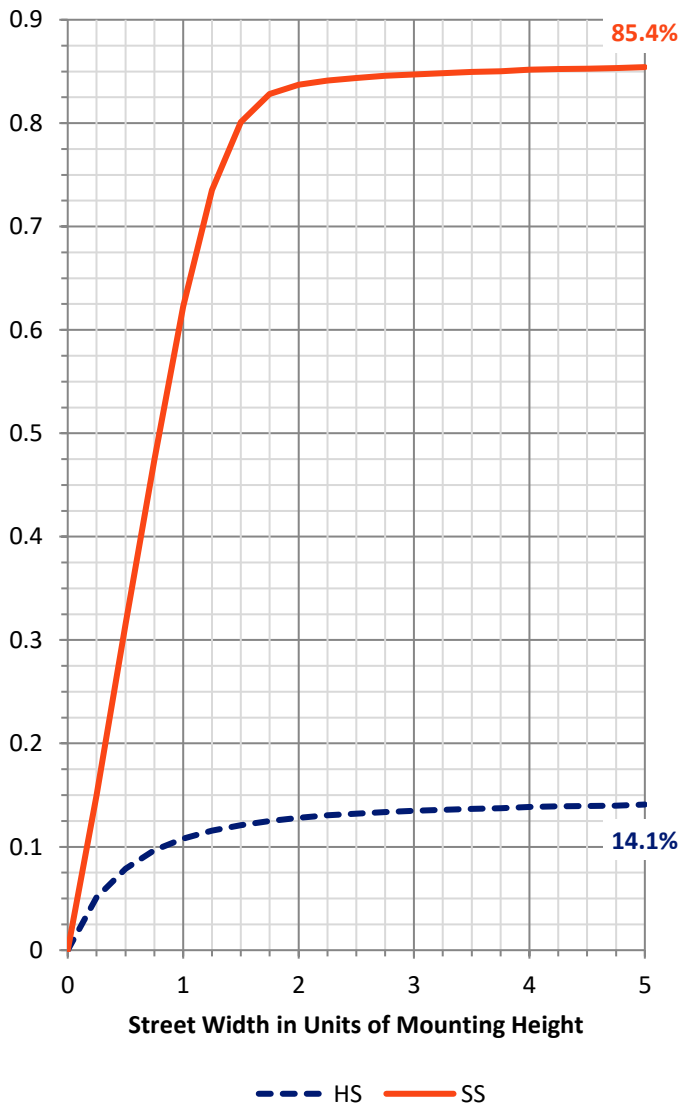
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.4	0.0	338.4
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2015.5	0.0	2015.5
	% Fixture	85.6	0.0	85.6
Total	Lumens	2353.9	0.0	2353.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	2.1
10°-20°	138.4	5.9
20°-30°	225.4	9.6
30°-40°	336.8	14.3
40°-50°	495.1	21.0
50°-60°	580.2	24.6
60°-70°	382.6	16.3
70°-80°	121.8	5.2
80°-90°	24.8	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°	2353.9	100.0
0°-180°	2353.9	100.0



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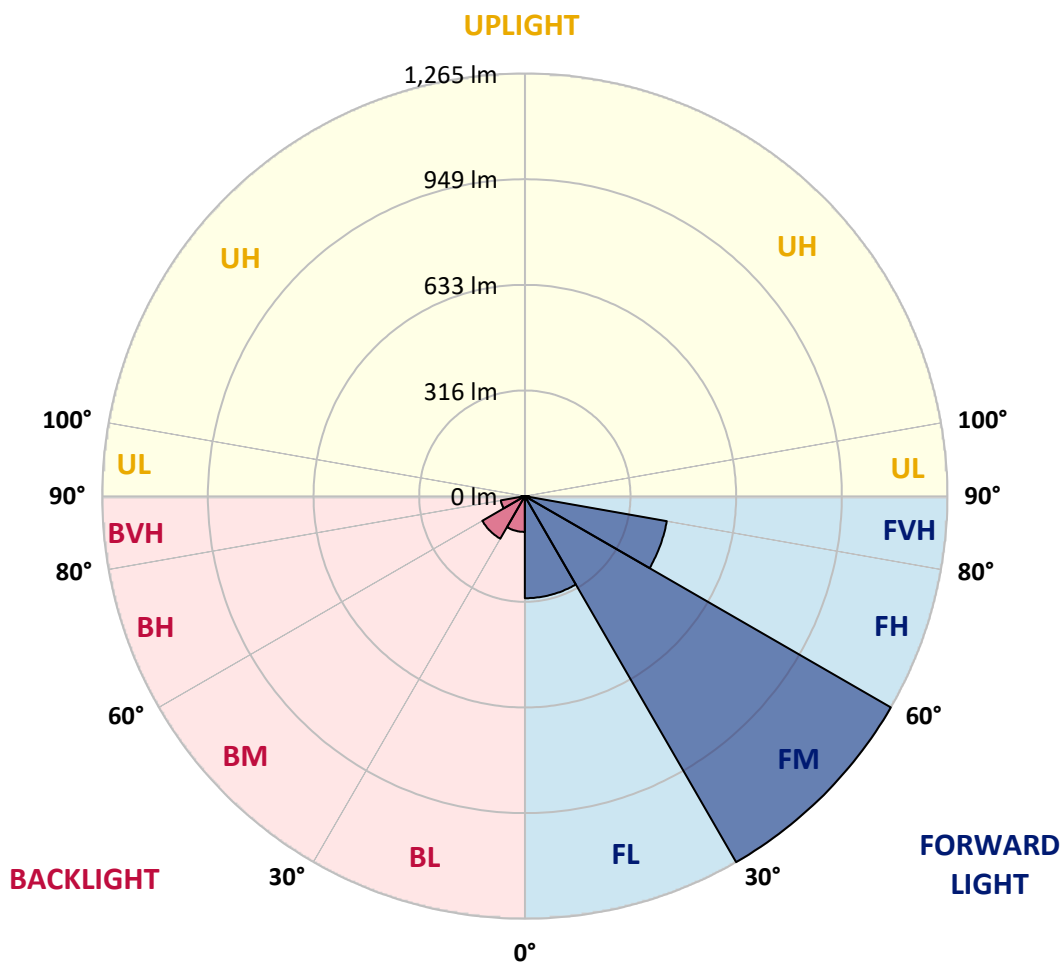
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.5	13.0			
FM (30°-60°)	1265.0	53.7			
FH (60°-80°)	431.4	18.3			G0/660
FVH (80°-90°)	13.6	0.6			G1/100
BL (0°-30°)	107.1	4.6	B0/110		
BM (30°-60°)	147.1	6.2	B0/220		
BH (60°-80°)	73.0	3.1	B0/110		G0/110
BVH (80°-90°)	11.2	0.5			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0
2.5°	607.5	605.3	605.3	599.7	591.3	579.7	565.9	562.5	557.2	543.7	526.3
5°	700.2	697.8	694.5	684.6	669.1	645.9	616.7	611.4	592.5	564.7	533.3
7.5°	761.4	760.0	759.0	750.5	735.1	712.3	673.2	667.2	635.2	589.1	540.0
10°	755.1	759.2	766.3	772.3	775.4	763.6	726.9	719.9	680.2	617.4	549.9
12.5°	695.9	701.7	715.0	739.4	767.5	790.2	769.4	765.5	728.3	647.4	562.3
15°	651.9	654.3	660.7	678.8	720.8	781.4	802.3	798.8	773.2	686.0	576.6
17.5°	638.2	639.2	640.8	646.8	675.4	746.7	815.8	819.2	816.7	726.1	592.8
20°	645.0	645.7	645.9	646.9	660.6	717.7	812.2	818.0	854.9	766.2	608.9
22.5°	671.3	670.5	669.3	665.3	673.0	712.6	802.7	811.9	884.4	802.7	623.7
25°	717.2	716.0	707.7	699.5	702.7	731.0	797.6	807.5	907.4	837.1	634.6
27.5°	771.8	770.6	762.1	746.6	743.1	761.7	809.5	815.6	924.3	867.7	639.4
30°	828.4	828.4	817.9	800.0	789.0	796.9	831.5	836.5	937.1	897.2	642.5
32.5°	890.2	891.9	875.5	855.1	842.9	838.3	862.4	866.7	955.7	932.0	649.0
35°	969.5	965.8	945.8	918.9	899.4	889.0	900.6	905.6	983.0	975.3	659.4
37.5°	1058.8	1052.1	1027.5	995.3	961.3	943.9	951.6	952.8	1023.4	1031.8	678.3
40°	1132.5	1131.3	1110.4	1079.9	1037.1	1013.7	1010.0	1010.6	1079.6	1098.7	707.0
42.5°	1194.6	1190.1	1186.4	1175.6	1130.2	1091.9	1076.5	1076.7	1140.5	1167.8	735.8
45°	1222.0	1221.2	1232.3	1259.9	1227.3	1182.1	1160.3	1163.3	1210.3	1238.7	763.6
47.5°	1210.3	1210.9	1240.6	1313.1	1332.4	1297.8	1259.0	1257.2	1277.8	1293.2	788.2
50°	1105.2	1116.2	1196.6	1318.1	1401.3	1418.6	1374.9	1367.9	1337.0	1336.5	803.2
52.5°	1025.8	1025.3	1074.6	1267.7	1425.7	1527.6	1488.3	1472.6	1386.0	1360.9	804.4
55°	918.7	918.0	954.7	1120.5	1377.3	1603.7	1595.3	1575.7	1430.8	1368.9	796.2
57.5°	695.7	708.7	745.2	897.0	1223.7	1591.5	1697.5	1681.1	1474.7	1365.3	794.7
60°	378.6	377.0	429.9	584.7	936.9	1454.0	1742.0	1741.2	1521.3	1364.0	804.0
62.5°	174.5	172.8	183.4	260.3	537.2	1164.9	1656.0	1668.3	1564.4	1351.5	803.2
65°	130.5	126.1	111.7	121.1	205.6	695.4	1406.6	1439.4	1497.9	1300.3	766.0
67.5°	116.4	112.1	95.4	89.4	103.2	245.3	1020.4	1050.6	1252.6	1204.5	705.8
70°	106.6	102.9	86.2	76.8	77.5	108.7	534.2	593.5	918.0	1005.2	601.5
72.5°	97.2	94.0	78.8	67.6	65.2	71.8	182.0	219.6	571.0	732.6	448.5
75°	87.3	84.3	71.0	60.6	56.0	53.2	86.7	93.3	302.0	404.5	240.7
77.5°	75.9	74.2	63.3	53.4	49.5	40.3	57.7	60.6	129.3	158.8	114.6
80°	66.0	64.7	56.5	48.5	44.4	31.0	39.8	41.8	63.8	79.3	64.1
82.5°	43.0	46.4	46.7	41.6	39.1	24.9	26.3	27.8	42.3	46.7	28.0
85°	17.7	21.5	32.2	28.7	27.1	21.2	17.4	17.7	25.9	27.3	10.1
87.5°	8.0	8.9	15.9	16.0	14.0	8.0	8.7	9.6	13.3	13.1	4.4
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°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0
2.5°	521.5	513.7	499.7	481.8	469.0	459.6	449.4	441.9	433.5	426.2	427.4
5°	520.3	505.2	473.8	440.5	408.1	381.5	359.3	342.9	326.0	319.4	318.5
7.5°	521.4	495.6	444.1	389.7	340.4	306.4	280.6	265.1	255.4	249.8	250.1
10°	521.0	486.6	412.0	336.9	283.0	252.0	236.3	231.2	230.3	231.0	232.0
12.5°	521.5	474.3	376.0	289.5	241.9	226.0	226.7	231.3	234.2	236.1	237.3
15°	523.7	464.2	339.2	252.1	220.4	220.9	228.3	235.4	239.7	241.7	242.8
17.5°	527.0	451.6	306.4	223.8	211.4	219.2	228.8	236.5	239.7	240.9	241.7
20°	527.3	437.1	273.3	204.4	205.4	215.6	224.0	230.1	234.2	235.6	236.3
22.5°	525.8	417.5	239.4	190.2	198.6	208.8	216.0	223.0	217.5	213.1	211.9
25°	519.3	392.7	210.4	178.6	190.1	199.6	207.8	200.1	197.6	194.1	194.5
27.5°	505.3	361.8	183.1	167.7	180.0	193.6	187.7	186.6	183.4	180.0	180.0
30°	486.9	329.3	160.2	156.3	167.9	174.7	176.1	174.5	172.6	168.2	168.6
32.5°	470.4	294.8	144.0	146.7	160.2	160.2	166.2	166.2	159.3	146.9	146.9
35°	454.0	262.4	132.0	138.7	147.6	150.5	158.7	147.9	138.2	132.6	132.2
37.5°	441.2	234.7	124.2	131.9	135.3	142.6	142.8	134.9	131.7	126.6	126.1
40°	433.7	211.5	119.4	128.5	128.8	135.6	124.4	126.6	125.9	122.0	121.5
42.5°	429.6	193.6	115.8	125.6	123.9	117.2	115.2	118.9	120.1	118.1	117.2
45°	426.3	179.6	112.9	115.5	119.9	107.8	107.0	109.9	112.4	112.3	111.6
47.5°	424.6	169.9	110.4	109.2	110.0	102.2	100.5	101.8	105.1	107.1	107.0
50°	418.0	162.4	106.6	102.7	97.2	97.2	96.4	96.4	100.3	104.4	104.7
52.5°	406.2	153.5	101.2	96.6	90.2	93.0	93.3	92.6	96.7	101.2	101.5
55°	393.2	146.9	93.8	90.9	84.4	89.1	90.6	89.9	92.6	95.7	95.5
57.5°	393.4	146.7	87.5	85.3	79.0	84.1	87.9	88.0	87.9	90.1	90.1
60°	403.3	150.1	82.6	77.8	72.7	78.8	85.0	85.0	83.8	87.0	87.3
62.5°	406.2	149.8	79.5	70.6	67.0	74.0	80.7	81.7	80.9	85.5	86.0
65°	380.6	141.8	76.4	64.1	61.9	68.8	75.4	78.3	77.5	83.4	84.1
67.5°	345.1	131.4	71.7	58.3	56.6	63.6	69.9	73.0	72.8	80.7	81.0
70°	297.5	118.6	65.7	52.4	51.5	57.7	63.3	66.5	68.1	77.1	76.9
72.5°	230.5	101.7	56.6	46.1	45.9	51.5	56.5	60.1	63.0	71.7	71.7
75°	148.6	80.0	46.2	39.9	39.2	44.5	49.6	53.7	62.6	76.4	76.3
77.5°	90.8	61.1	37.2	33.3	33.1	37.9	43.0	50.0	68.4	68.1	66.2
80°	54.4	43.8	29.7	26.6	26.6	31.0	36.7	53.6	56.8	64.8	61.2
82.5°	28.3	27.0	22.2	19.6	20.5	24.4	33.4	42.8	46.4	39.4	36.2
85°	11.6	14.3	13.6	12.5	13.0	16.9	32.2	34.3	27.5	28.8	29.0
87.5°	3.9	6.3	6.3	4.9	5.5	11.9	19.1	11.4	13.8	8.2	6.1
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)