

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: P553652

Luminaire Tested: **ARB-B2-LED-D1-T2-7030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34669)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B2-LED-D1-T2-7030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
70 CRI, 3000K LEDS AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3697 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 48
Input Voltage (V): NR
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: 24 FT

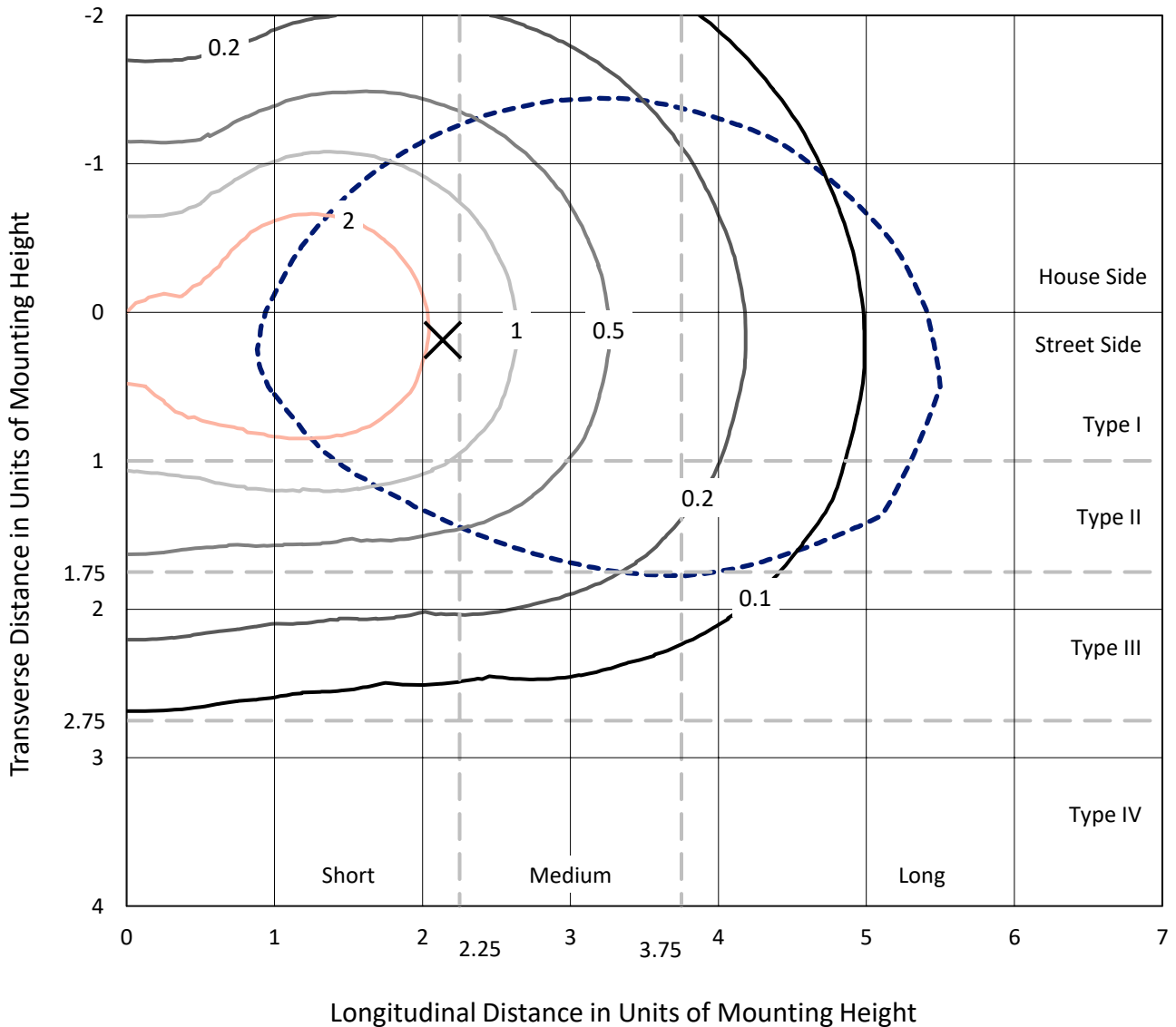


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Iso-Footcandle Lines of Horizontal Illumination

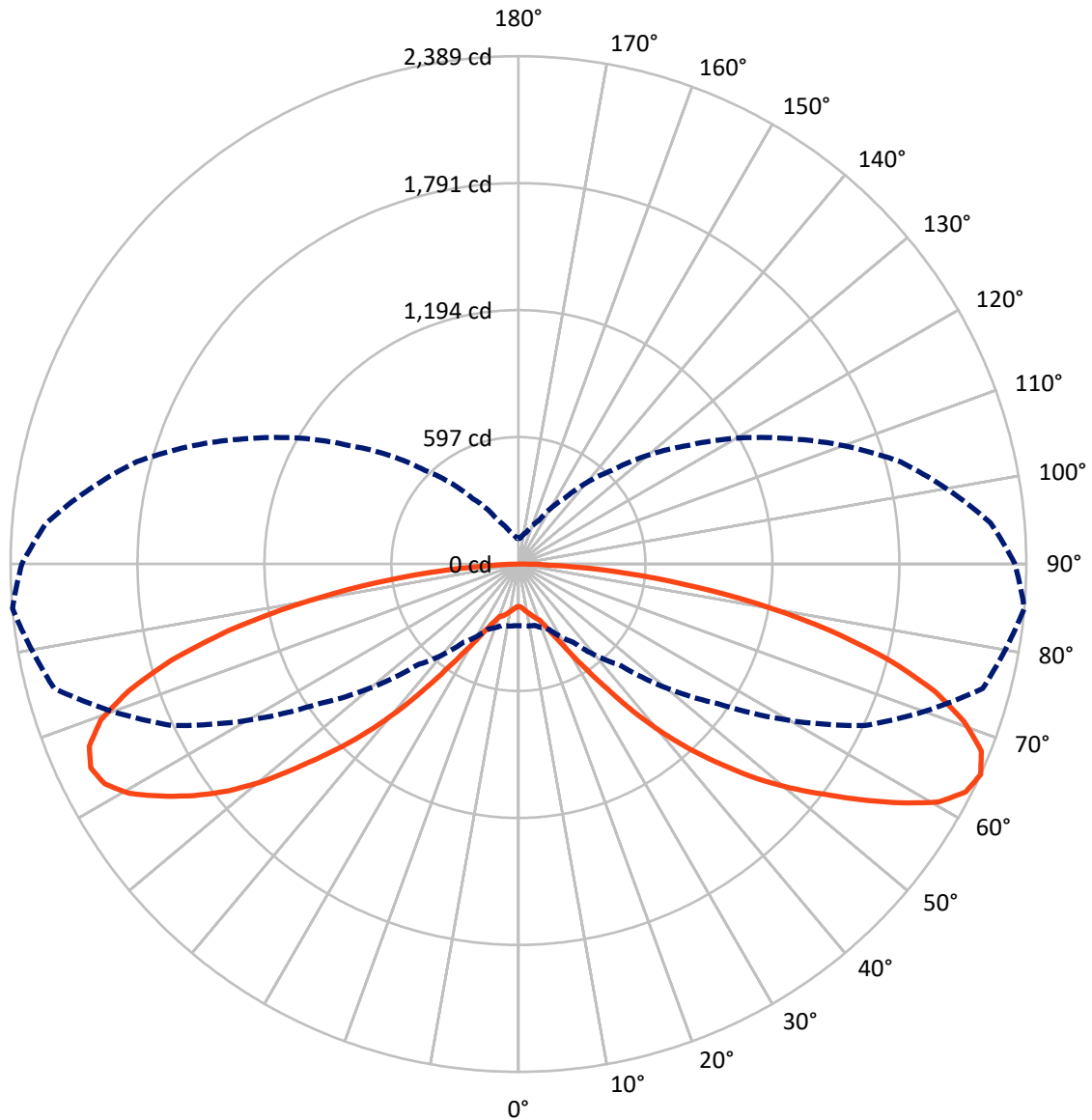
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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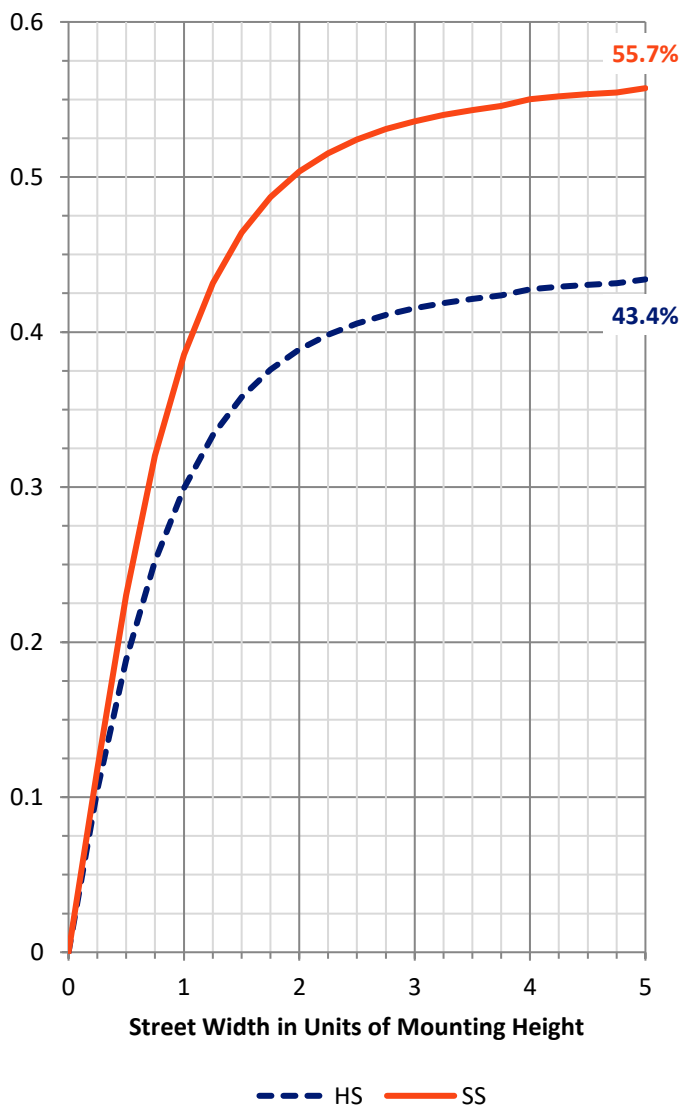
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1623.2	0.0	1623.2
	% Fixture	43.9	0.0	43.9
Street Side	Lumens	2073.8	0.0	2073.8
	% Fixture	56.1	0.0	56.1
Total	Lumens	3697.0	0.0	3697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	0.5
10°-20°	66.6	1.8
20°-30°	134.8	3.6
30°-40°	269.5	7.3
40°-50°	500.5	13.5
50°-60°	782.9	21.2
60°-70°	953.6	25.8
70°-80°	748.1	20.2
80°-90°	220.8	6.0
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°	3697.0	100.0
0°-180°	3697.0	100.0

Coefficient of Utilization



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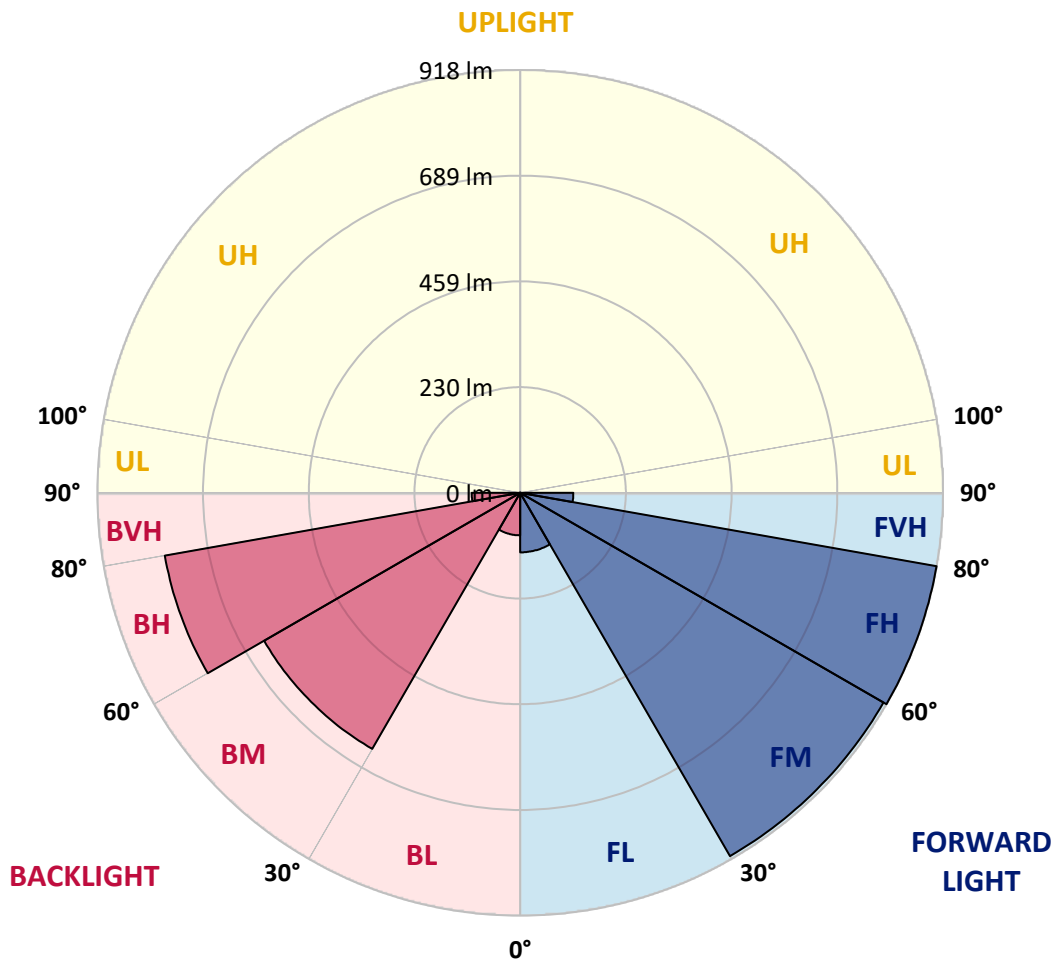
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.3	3.5			
FM (30°-60°)	911.0	24.6			
FH (60°-80°)	918.1	24.8			G1/1800
FVH (80°-90°)	115.4	3.1			G2/225
BL (0°-30°)	92.3	2.5	B0/110		
BM (30°-60°)	642.0	17.4	B1/1000		
BH (60°-80°)	783.6	21.2	B2/1000		G2/1000
BVH (80°-90°)	105.3	2.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9
2.5°	209.5	209.5	208.5	208.5	208.0	206.5	204.9	203.9	202.9	202.4	201.9
5°	218.6	218.1	218.6	218.1	217.6	216.6	215.1	213.5	211.5	210.0	209.0
7.5°	225.7	225.7	226.2	226.7	226.7	226.7	225.2	223.7	221.6	220.1	218.1
10°	228.7	229.2	230.8	232.8	234.8	237.3	236.8	235.3	233.3	230.2	228.2
12.5°	228.2	228.2	231.3	236.3	242.4	247.5	250.5	249.5	245.4	241.9	239.4
15°	231.3	232.3	235.3	242.4	252.0	260.1	265.2	266.7	261.1	254.5	251.5
17.5°	257.6	258.1	255.5	258.6	269.2	281.9	287.4	289.5	280.9	268.2	262.1
20°	272.2	272.8	275.3	279.8	288.4	307.2	319.3	318.3	303.6	280.3	271.7
22.5°	273.3	274.3	279.8	293.5	310.7	335.0	358.8	360.8	343.6	310.2	297.0
25°	273.3	274.3	280.9	298.6	329.4	363.8	404.8	413.9	394.7	355.2	334.0
27.5°	273.3	275.3	285.9	307.7	347.1	403.3	452.4	473.7	455.9	412.4	386.1
30°	274.8	276.8	292.5	323.4	371.4	443.3	514.6	552.1	538.9	492.9	458.0
32.5°	292.0	292.5	307.2	340.6	402.3	484.3	585.0	638.1	636.6	596.1	546.0
35°	307.7	309.7	323.9	362.8	427.6	525.8	656.3	736.3	765.6	721.1	665.4
37.5°	310.2	312.7	334.0	381.6	452.4	569.8	733.2	844.6	911.9	882.5	820.8
40°	312.2	315.8	338.5	389.1	471.6	601.7	803.1	968.0	1054.1	1040.4	982.7
42.5°	313.7	318.3	340.6	390.2	478.2	623.4	860.8	1077.4	1193.2	1196.8	1142.6
45°	305.6	310.7	336.5	388.6	477.2	640.1	910.9	1182.1	1324.3	1349.6	1313.7
47.5°	308.2	312.7	334.5	388.1	482.8	659.9	956.9	1274.7	1450.3	1506.0	1465.5
50°	329.9	331.5	344.1	397.7	505.0	684.7	1002.0	1366.3	1569.7	1655.2	1629.4
52.5°	343.6	340.6	347.6	404.3	522.7	712.5	1055.1	1459.9	1702.8	1798.5	1801.0
55°	365.4	364.3	362.3	411.4	533.9	740.3	1115.3	1565.7	1855.6	1955.8	1955.3
57.5°	358.3	360.3	362.8	407.9	536.4	753.5	1172.0	1670.4	2007.4	2120.3	2096.5
60°	336.0	339.0	346.6	392.2	521.2	742.4	1192.7	1760.0	2134.5	2272.1	2226.1
62.5°	316.3	318.3	324.9	368.4	491.4	713.0	1181.1	1802.5	2224.0	2360.7	2312.6
65°	290.0	292.0	299.1	338.0	448.9	669.0	1143.6	1796.9	2260.5	2388.5	2335.4
67.5°	258.6	261.1	270.2	308.7	406.9	621.9	1094.1	1743.8	2223.0	2348.5	2299.9
70°	229.7	231.8	238.8	273.3	362.8	567.8	1029.3	1653.2	2104.1	2224.5	2187.6
72.5°	200.9	201.9	207.5	239.9	317.3	506.5	940.2	1510.0	1930.0	2049.5	2018.1
75°	172.1	170.5	176.1	201.9	264.2	436.7	833.4	1328.9	1690.2	1798.0	1764.6
77.5°	140.7	140.2	145.2	163.5	212.5	364.3	702.9	1104.2	1404.3	1489.8	1474.1
80°	109.3	109.8	110.8	125.0	161.9	285.9	550.1	854.7	1097.1	1149.7	1117.3
82.5°	79.4	78.9	79.4	88.1	117.9	207.0	396.2	616.9	769.2	784.4	777.3
85°	48.1	48.1	47.6	51.1	71.9	117.4	220.1	346.1	425.6	460.5	434.7
87.5°	16.2	16.7	17.2	20.7	24.8	31.9	54.1	93.6	113.4	137.1	119.4
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9
2.5°	201.4	200.9	200.4	199.9	199.9	199.9	199.4	199.4	198.9	198.9
5°	208.5	206.0	203.4	201.4	199.9	197.9	196.8	195.3	194.8	194.8
7.5°	216.1	212.0	208.0	203.4	199.9	197.4	195.3	193.3	192.3	192.3
10°	225.2	219.6	213.0	208.0	202.9	197.9	193.8	190.8	188.8	188.8
12.5°	235.8	228.2	219.6	213.0	205.5	198.9	192.8	188.2	186.2	185.7
15°	245.9	234.8	224.7	216.1	207.0	198.9	192.3	187.7	184.7	184.7
17.5°	255.5	240.4	227.2	215.6	207.0	198.9	191.3	186.2	183.2	182.7
20°	260.6	239.9	222.7	209.5	203.9	196.8	187.7	182.2	179.6	179.1
22.5°	284.4	257.1	233.3	216.6	207.5	197.9	186.7	180.7	178.6	178.1
25°	316.3	279.8	249.0	227.2	212.5	199.4	186.7	179.1	176.1	175.6
27.5°	359.8	310.2	268.2	238.8	216.6	200.9	186.2	177.1	173.6	173.6
30°	421.5	347.1	291.0	252.5	221.6	201.9	184.7	175.1	171.5	171.0
32.5°	499.0	402.3	320.8	268.2	230.2	202.9	184.7	173.1	168.5	168.0
35°	605.2	469.6	369.9	292.0	241.4	207.0	184.7	172.1	167.0	166.5
37.5°	739.3	580.9	437.2	334.5	258.6	214.6	188.8	175.1	169.5	169.0
40°	900.7	704.9	516.2	383.6	291.0	228.2	198.4	182.7	176.1	175.6
42.5°	1064.2	835.0	601.7	444.8	332.0	246.9	204.9	185.7	178.6	177.6
45°	1222.1	973.6	707.4	515.7	369.4	264.7	206.0	186.2	179.1	178.1
47.5°	1386.5	1130.0	829.9	588.5	408.9	279.3	209.0	185.2	178.1	177.1
50°	1569.2	1296.0	939.2	653.3	451.4	296.0	213.5	183.2	177.1	176.1
52.5°	1733.2	1448.3	1052.1	727.7	496.4	319.3	217.6	178.6	173.6	173.6
55°	1875.4	1582.9	1152.8	798.5	537.9	342.1	219.6	176.6	167.5	167.5
57.5°	2003.9	1687.6	1245.4	856.7	574.9	358.3	228.7	172.1	159.4	160.4
60°	2124.9	1767.1	1320.8	911.4	601.7	372.4	233.3	165.5	148.8	149.8
62.5°	2202.8	1829.3	1372.9	951.9	618.9	379.5	232.8	161.9	138.1	138.1
65°	2228.1	1858.7	1395.7	970.6	623.4	377.0	225.2	157.9	125.0	119.4
67.5°	2192.2	1842.5	1386.5	965.0	611.3	364.9	214.6	151.3	109.3	106.3
70°	2097.0	1762.0	1338.0	934.7	581.9	340.6	200.4	135.6	99.2	91.6
72.5°	1925.5	1630.5	1244.3	873.4	539.4	309.7	183.7	118.4	91.1	88.1
75°	1692.2	1425.0	1109.2	778.8	480.2	274.8	161.9	100.7	83.5	84.5
77.5°	1403.2	1188.7	927.1	662.9	412.9	231.3	137.6	83.0	74.9	79.4
80°	1069.8	921.0	716.5	524.8	334.5	184.2	111.3	67.3	64.3	66.3
82.5°	739.3	638.6	507.0	369.4	240.9	139.7	82.0	53.1	50.1	49.1
85°	420.0	349.7	282.9	213.0	143.7	86.0	55.7	39.0	35.4	35.4
87.5°	114.4	103.2	82.5	62.2	46.0	33.9	27.3	21.3	19.2	18.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)