

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: P553653

Luminaire Tested: **ARB-B2-LED-D1-T2-8030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553653
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-T2-8030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
80 CRI, 3000K LEDS AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3336 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

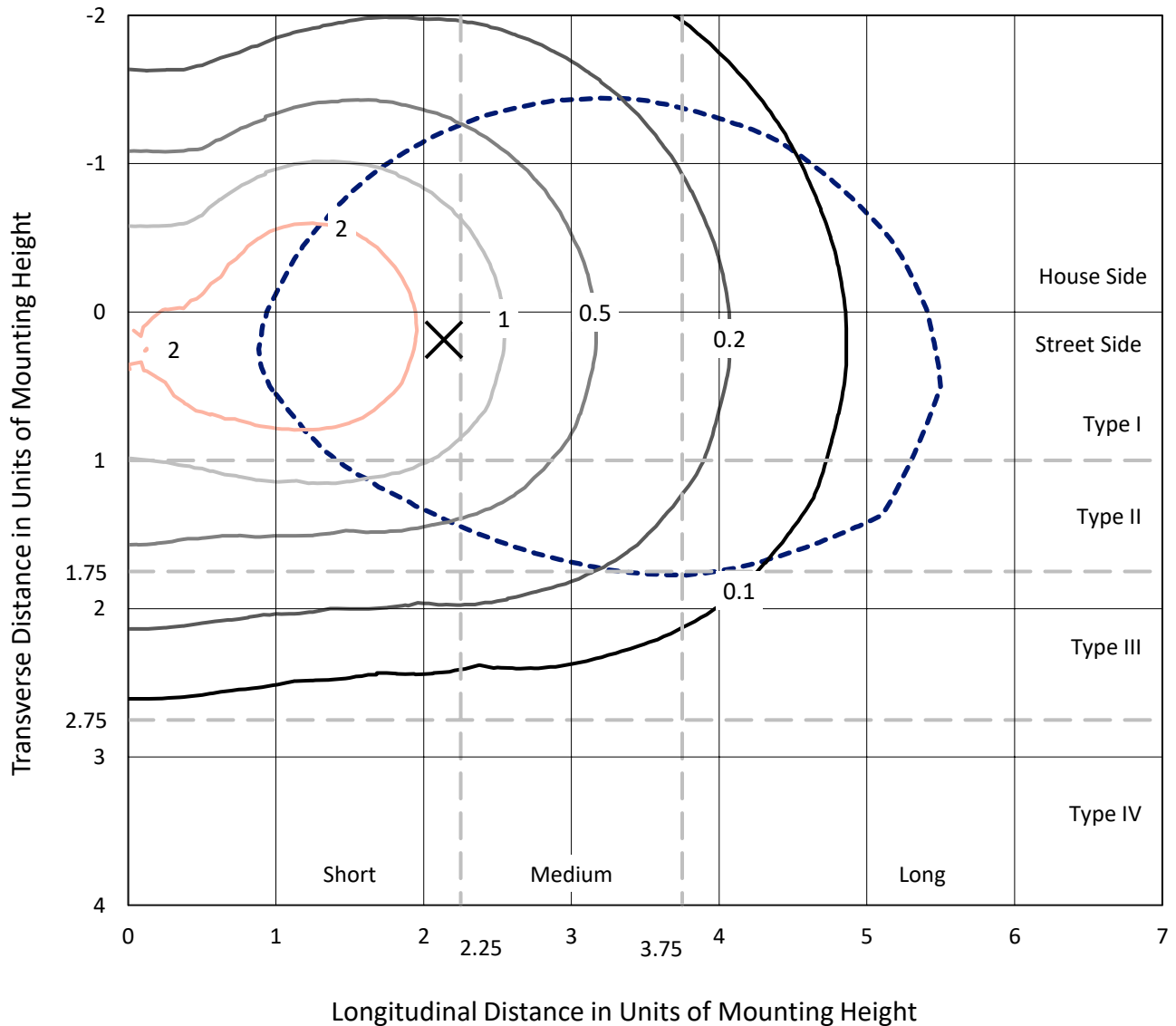
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

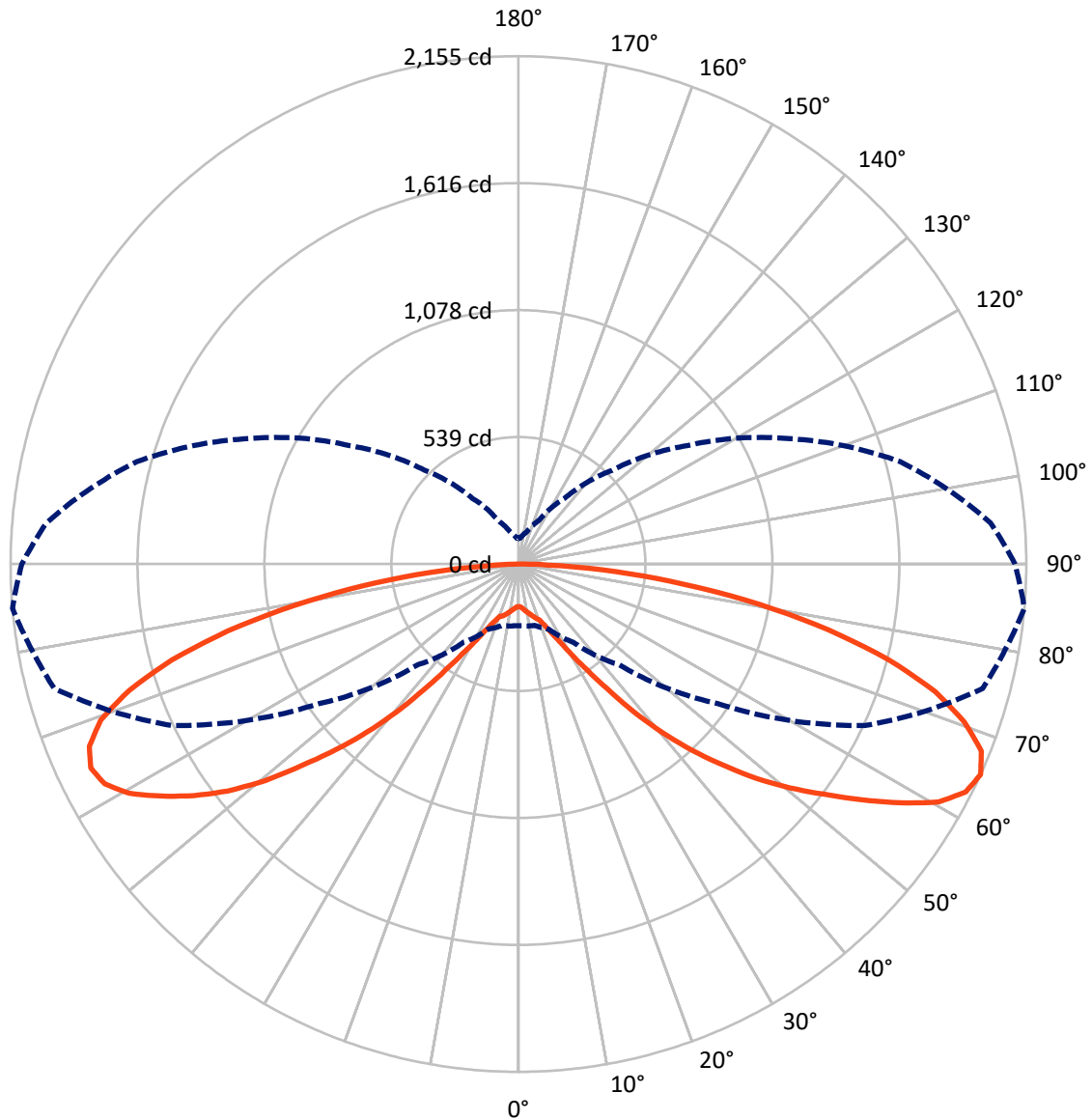
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 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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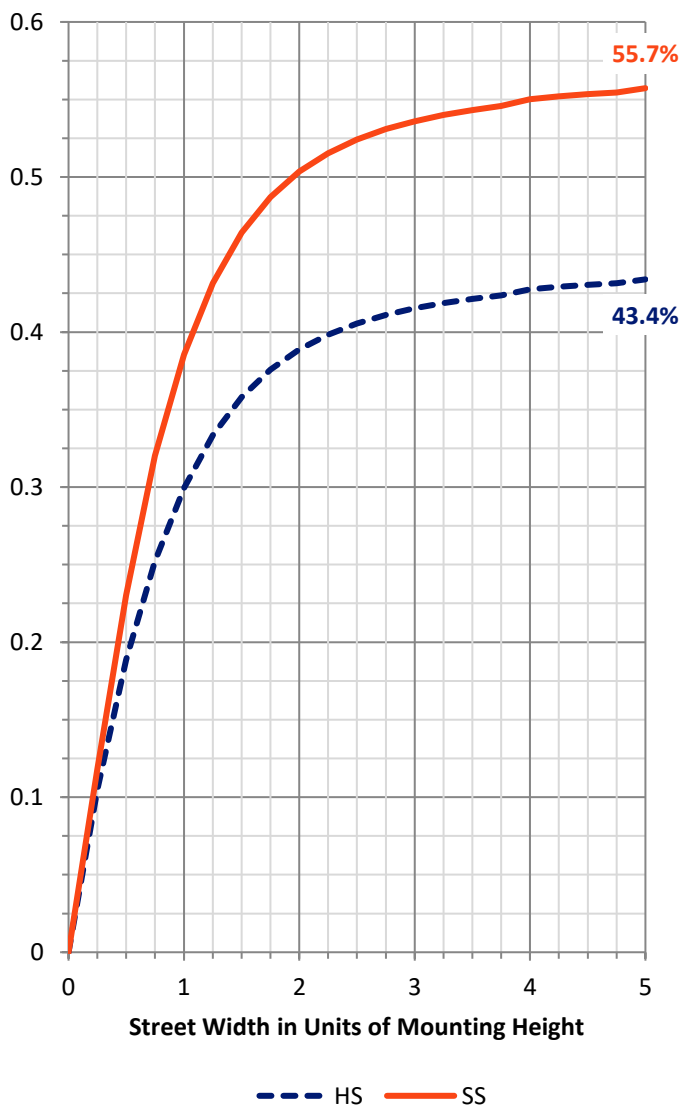
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1464.7	0.0	1464.7
	% Fixture	43.9	0.0	43.9
Street Side	Lumens	1871.3	0.0	1871.3
	% Fixture	56.1	0.0	56.1
Total	Lumens	3336.0	0.0	3336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.5
10°-20°	60.1	1.8
20°-30°	121.7	3.6
30°-40°	243.2	7.3
40°-50°	451.6	13.5
50°-60°	706.4	21.2
60°-70°	860.5	25.8
70°-80°	675.0	20.2
80°-90°	199.2	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°	3336.0	100.0
0°-180°	3336.0	100.0

Coefficient of Utilization



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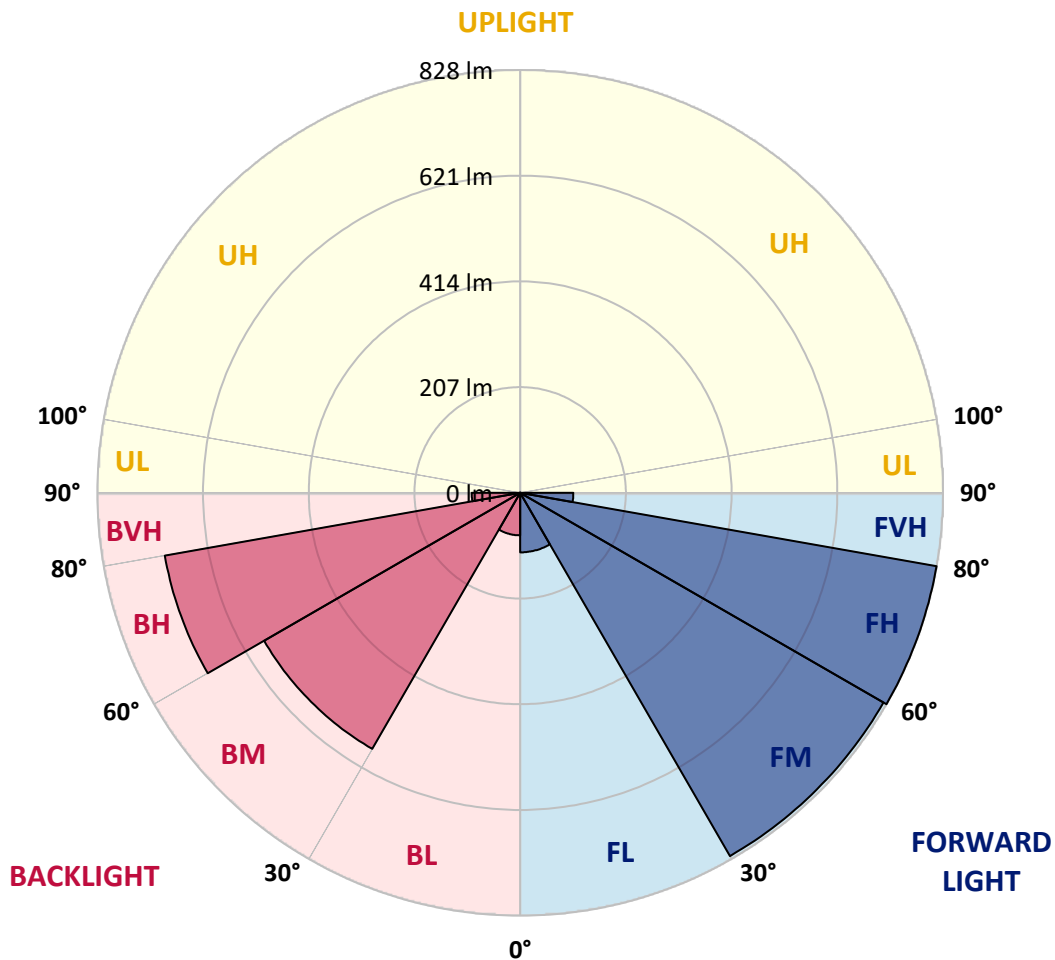
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.7	3.5			
FM (30°-60°)	822.0	24.6			
FH (60°-80°)	828.5	24.8			G1/1800
FVH (80°-90°)	104.2	3.1			G2/225
BL (0°-30°)	83.3	2.5	B0/110		
BM (30°-60°)	579.3	17.4	B1/1000		
BH (60°-80°)	707.1	21.2	B2/1000		G2/1000
BVH (80°-90°)	95.1	2.8			G1/100
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°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
2.5°	189.0	189.0	188.1	188.1	187.7	186.3	184.9	184.0	183.1	182.6	182.2
5°	197.3	196.8	197.3	196.8	196.3	195.4	194.1	192.7	190.9	189.5	188.6
7.5°	203.7	203.7	204.1	204.6	204.6	204.6	203.2	201.8	200.0	198.6	196.8
10°	206.4	206.9	208.2	210.0	211.9	214.2	213.7	212.3	210.5	207.8	205.9
12.5°	205.9	205.9	208.7	213.2	218.7	223.3	226.0	225.1	221.5	218.3	216.0
15°	208.7	209.6	212.3	218.7	227.4	234.7	239.3	240.6	235.6	229.7	226.9
17.5°	232.4	232.9	230.6	233.3	242.9	254.3	259.4	261.2	253.4	242.0	236.5
20°	245.7	246.1	248.4	252.5	260.3	277.2	288.1	287.2	274.0	253.0	245.2
22.5°	246.6	247.5	252.5	264.8	280.4	302.3	323.7	325.6	310.0	279.9	268.0
25°	246.6	247.5	253.4	269.4	297.3	328.3	365.3	373.5	356.2	320.6	301.4
27.5°	246.6	248.4	258.0	277.6	313.2	363.9	408.2	427.4	411.4	372.1	348.4
30°	247.9	249.8	263.9	291.8	335.2	400.0	464.4	498.2	486.3	444.8	413.2
32.5°	263.5	263.9	277.2	307.3	363.0	437.0	527.9	575.8	574.4	537.9	492.7
35°	277.6	279.5	292.2	327.4	385.8	474.4	592.2	664.4	690.9	650.7	600.5
37.5°	279.9	282.2	301.4	344.3	408.2	514.2	661.6	762.1	822.8	796.4	740.6
40°	281.7	284.9	305.5	351.1	425.6	542.9	724.7	873.5	951.1	938.8	886.8
42.5°	283.1	287.2	307.3	352.1	431.5	562.6	776.7	972.2	1076.7	1079.9	1031.1
45°	275.8	280.4	303.7	350.7	430.6	577.6	821.9	1066.7	1195.0	1217.8	1185.4
47.5°	278.1	282.2	301.8	350.2	435.6	595.4	863.5	1150.2	1308.7	1358.9	1322.4
50°	297.7	299.1	310.5	358.9	455.7	617.8	904.1	1232.9	1416.4	1493.6	1470.3
52.5°	310.0	307.3	313.7	364.8	471.7	642.9	952.1	1317.4	1536.5	1622.8	1625.1
55°	329.7	328.8	326.9	371.2	481.7	668.0	1006.4	1412.8	1674.4	1764.9	1764.4
57.5°	323.3	325.1	327.4	368.0	484.0	679.9	1057.5	1507.3	1811.4	1913.3	1891.8
60°	303.2	305.9	312.8	353.9	470.3	669.9	1076.3	1588.1	1926.0	2050.2	2008.7
62.5°	285.4	287.2	293.2	332.4	443.4	643.4	1065.8	1626.5	2006.9	2130.2	2086.8
65°	261.6	263.5	269.9	305.0	405.0	603.7	1032.0	1621.5	2039.7	2155.3	2107.3
67.5°	233.3	235.6	243.8	278.5	367.1	561.2	987.2	1573.5	2006.0	2119.2	2075.4
70°	207.3	209.1	215.5	246.6	327.4	512.3	928.8	1491.8	1898.6	2007.3	1974.0
72.5°	181.3	182.2	187.2	216.4	286.3	457.1	848.4	1362.6	1741.6	1849.3	1821.0
75°	155.3	153.9	158.9	182.2	238.4	394.1	752.1	1199.1	1525.1	1622.4	1592.2
77.5°	126.9	126.5	131.1	147.5	191.8	328.8	634.3	996.4	1267.1	1344.3	1330.1
80°	98.6	99.1	100.0	112.8	146.1	258.0	496.4	771.2	990.0	1037.5	1008.2
82.5°	71.7	71.2	71.7	79.5	106.4	186.8	357.5	556.6	694.1	707.8	701.4
85°	43.4	43.4	42.9	46.1	64.8	105.9	198.6	312.3	384.0	415.5	392.2
87.5°	14.6	15.1	15.5	18.7	22.4	28.8	48.9	84.5	102.3	123.7	107.8
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°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
2.5°	181.7	181.3	180.8	180.4	180.4	180.4	179.9	179.9	179.5	179.5
5°	188.1	185.8	183.6	181.7	180.4	178.5	177.6	176.3	175.8	175.8
7.5°	195.0	191.3	187.7	183.6	180.4	178.1	176.3	174.4	173.5	173.5
10°	203.2	198.2	192.2	187.7	183.1	178.5	174.9	172.1	170.3	170.3
12.5°	212.8	205.9	198.2	192.2	185.4	179.5	174.0	169.9	168.0	167.6
15°	221.9	211.9	202.7	195.0	186.8	179.5	173.5	169.4	166.7	166.7
17.5°	230.6	216.9	205.0	194.5	186.8	179.5	172.6	168.0	165.3	164.8
20°	235.2	216.4	200.9	189.0	184.0	177.6	169.4	164.4	162.1	161.6
22.5°	256.6	232.0	210.5	195.4	187.2	178.5	168.5	163.0	161.2	160.7
25°	285.4	252.5	224.7	205.0	191.8	179.9	168.5	161.6	158.9	158.4
27.5°	324.7	279.9	242.0	215.5	195.4	181.3	168.0	159.8	156.6	156.6
30°	380.4	313.2	262.6	227.9	200.0	182.2	166.7	158.0	154.8	154.3
32.5°	450.2	363.0	289.5	242.0	207.8	183.1	166.7	156.2	152.1	151.6
35°	546.1	423.7	333.8	263.5	217.8	186.8	166.7	155.3	150.7	150.2
37.5°	667.1	524.2	394.5	301.8	233.3	193.6	170.3	158.0	153.0	152.5
40°	812.8	636.1	465.8	346.1	262.6	205.9	179.0	164.8	158.9	158.4
42.5°	960.3	753.4	542.9	401.4	299.5	222.8	184.9	167.6	161.2	160.3
45°	1102.7	878.5	638.4	465.3	333.3	238.8	185.8	168.0	161.6	160.7
47.5°	1251.2	1019.6	748.9	531.1	369.0	252.1	188.6	167.1	160.7	159.8
50°	1416.0	1169.4	847.5	589.5	407.3	267.1	192.7	165.3	159.8	158.9
52.5°	1563.9	1306.9	949.3	656.6	447.9	288.1	196.3	161.2	156.6	156.6
55°	1692.2	1428.3	1040.2	720.6	485.4	308.7	198.2	159.4	151.1	151.1
57.5°	1808.2	1522.8	1123.8	773.1	518.7	323.3	206.4	155.3	143.8	144.7
60°	1917.4	1594.5	1191.8	822.4	542.9	336.1	210.5	149.3	134.2	135.2
62.5°	1987.7	1650.7	1238.8	858.9	558.5	342.5	210.0	146.1	124.7	124.7
65°	2010.5	1677.2	1259.4	875.8	562.6	340.2	203.2	142.5	112.8	107.8
67.5°	1978.1	1662.6	1251.2	870.8	551.6	329.2	193.6	136.5	98.6	95.9
70°	1892.3	1590.0	1207.3	843.4	525.1	307.3	180.8	122.4	89.5	82.6
72.5°	1737.5	1471.2	1122.8	788.1	486.8	279.5	165.8	106.9	82.2	79.5
75°	1527.0	1285.9	1000.9	702.7	433.3	247.9	146.1	90.9	75.3	76.3
77.5°	1266.2	1072.6	836.5	598.2	372.6	208.7	124.2	74.9	67.6	71.7
80°	965.3	831.1	646.6	473.5	301.8	166.2	100.5	60.7	58.0	59.8
82.5°	667.1	576.3	457.5	333.3	217.4	126.0	74.0	47.9	45.2	44.3
85°	379.0	315.5	255.3	192.2	129.7	77.6	50.2	35.2	32.0	32.0
87.5°	103.2	93.2	74.4	56.2	41.6	30.6	24.7	19.2	17.4	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)