

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: P553641

Luminaire Tested: **ARB-B1-LED-D1-T2-8030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553641
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-B1-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: 1708 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

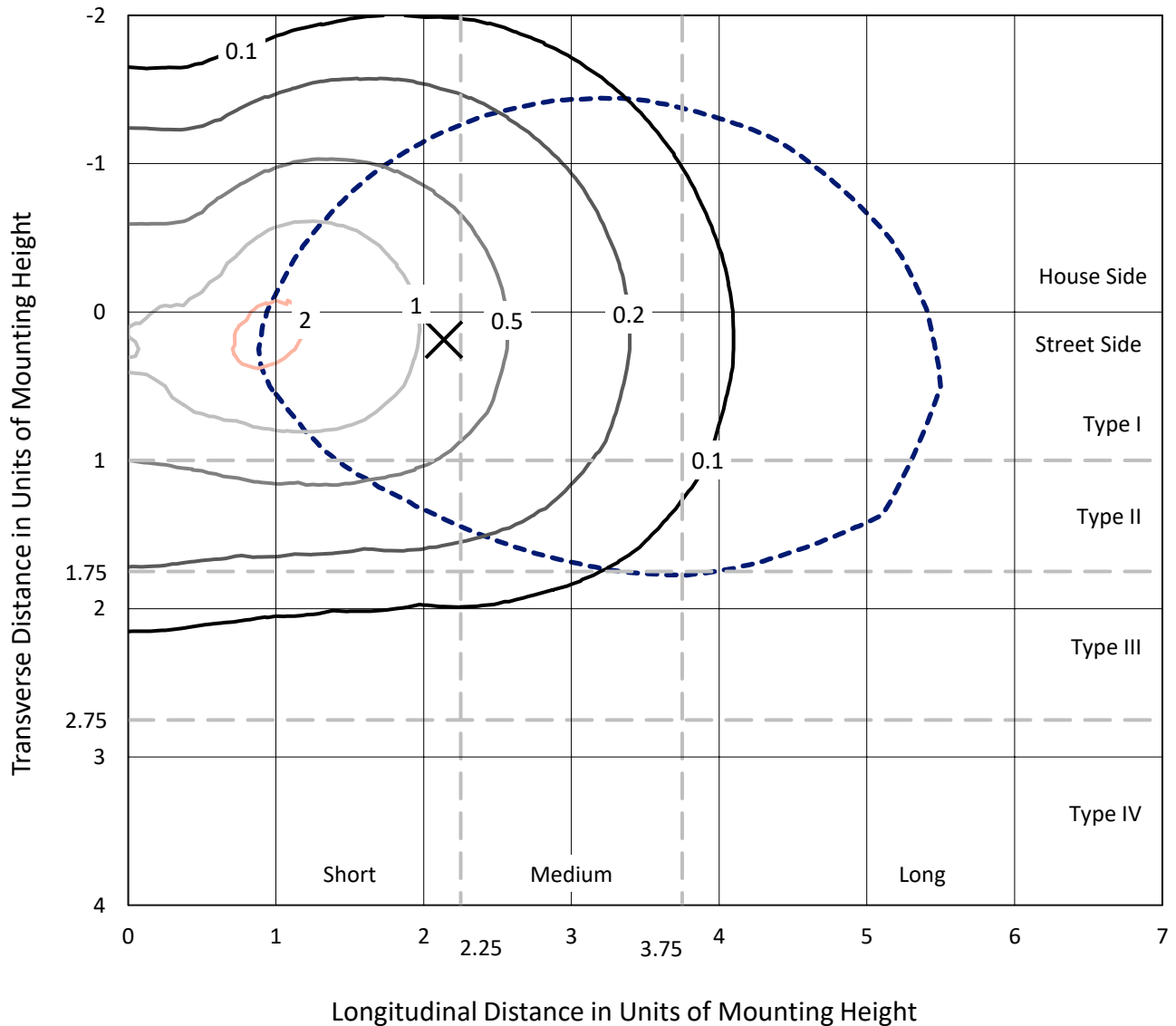
Input Watts (W): 24
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

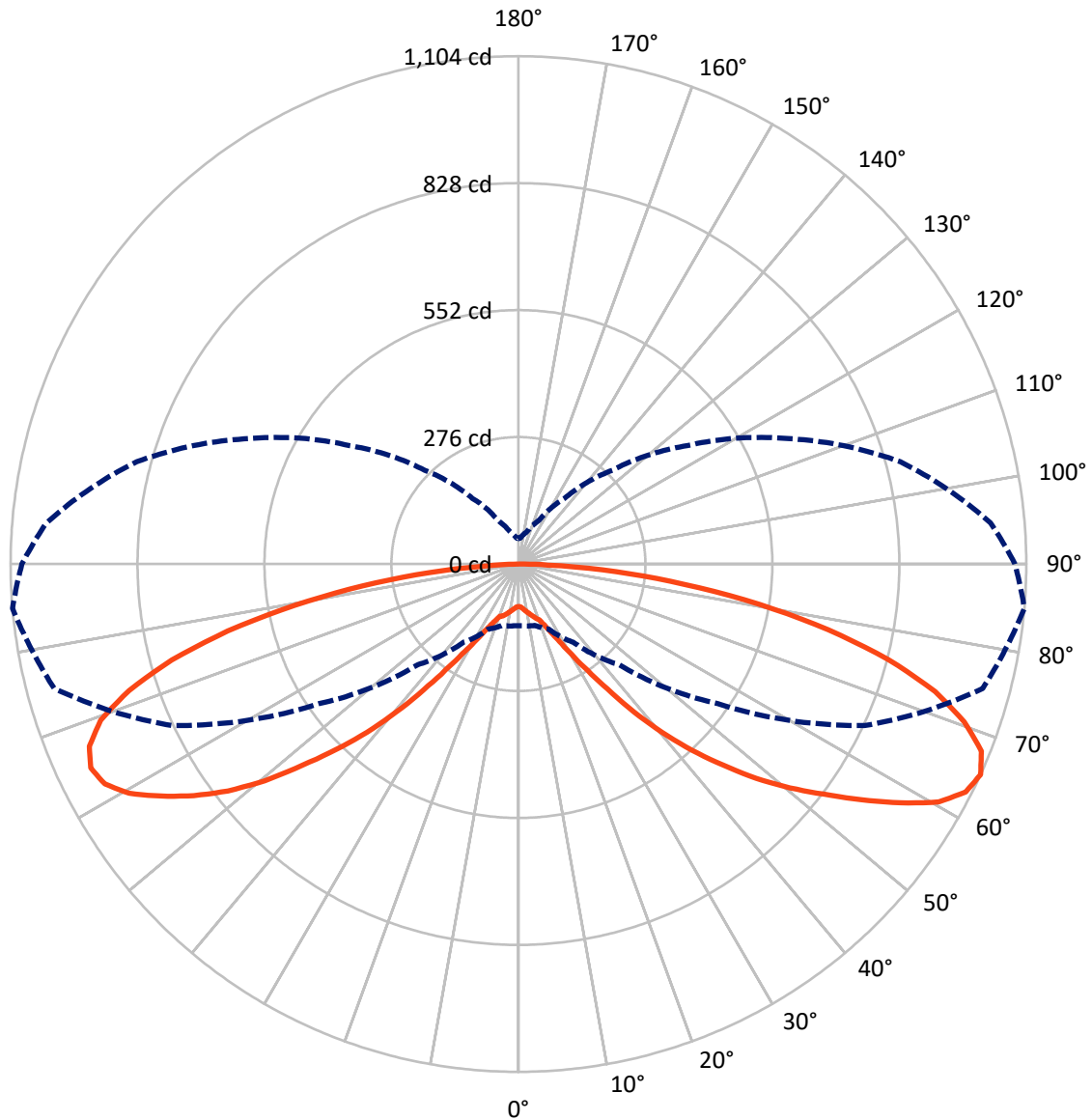
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 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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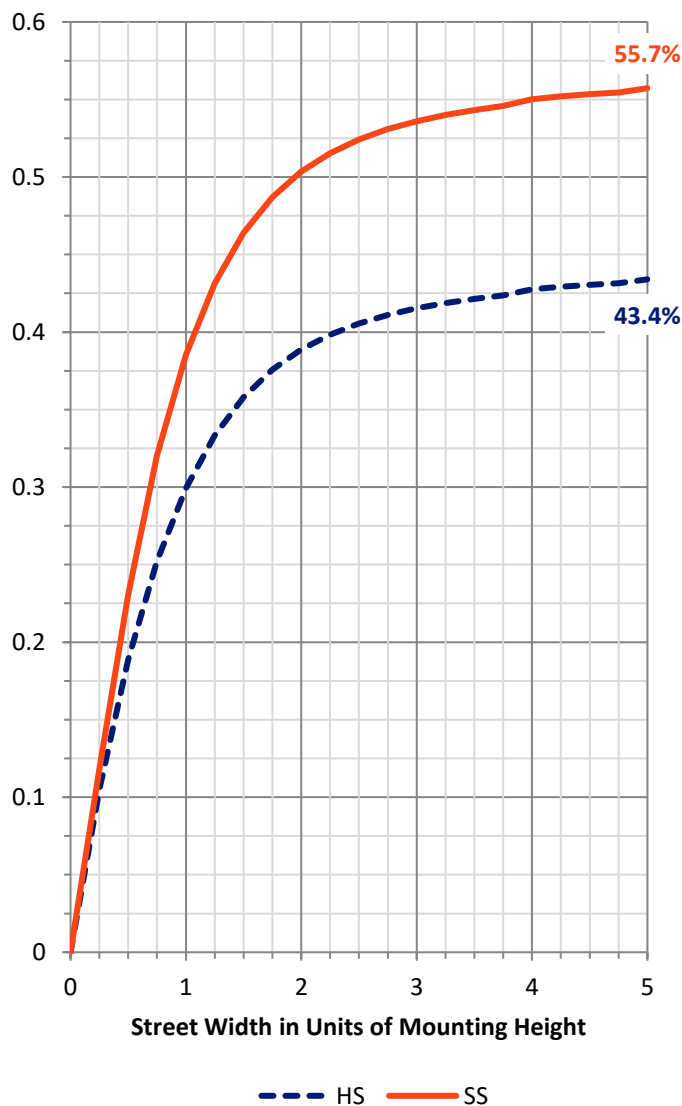
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	749.9	0.0	749.9
	% Fixture	43.9	0.0	43.9
Street Side	Lumens	958.1	0.0	958.1
	% Fixture	56.1	0.0	56.1
Total	Lumens	1708.0	0.0	1708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.5
10°-20°	30.8	1.8
20°-30°	62.3	3.6
30°-40°	124.5	7.3
40°-50°	231.2	13.5
50°-60°	361.7	21.2
60°-70°	440.6	25.8
70°-80°	345.6	20.2
80°-90°	102.0	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°	1708.0	100.0
0°-180°	1708.0	100.0

Coefficient of Utilization



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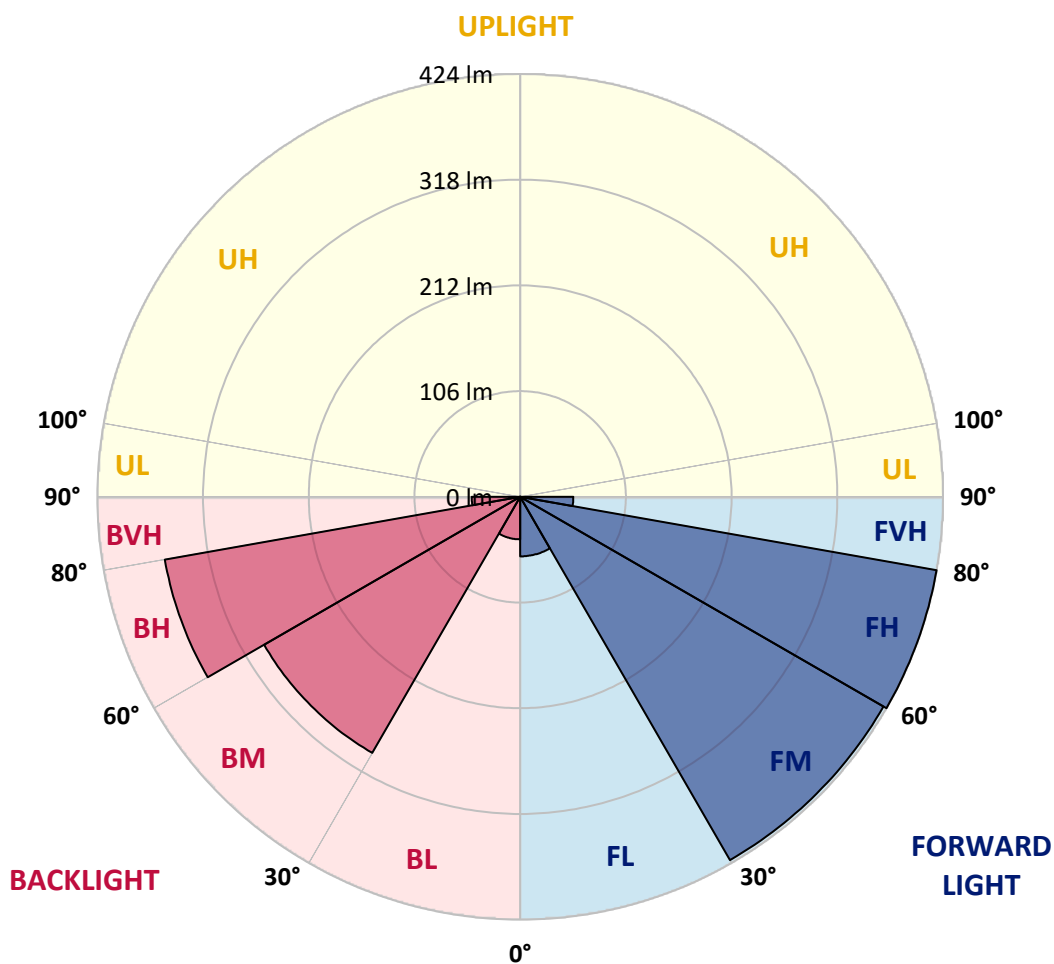
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.7	3.5			
FM (30°-60°)	420.9	24.6			
FH (60°-80°)	424.2	24.8			G0/660
FVH (80°-90°)	53.3	3.1			G1/100
BL (0°-30°)	42.6	2.5	B0/110		
BM (30°-60°)	296.6	17.4	B1/1000		
BH (60°-80°)	362.0	21.2	B1/500		G1/500
BVH (80°-90°)	48.7	2.8			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2.5°	96.8	96.8	96.3	96.3	96.1	95.4	94.7	94.2	93.7	93.5	93.3
5°	101.0	100.8	101.0	100.8	100.5	100.1	99.4	98.7	97.7	97.0	96.6
7.5°	104.3	104.3	104.5	104.7	104.7	104.7	104.0	103.3	102.4	101.7	100.8
10°	105.7	105.9	106.6	107.5	108.5	109.6	109.4	108.7	107.8	106.4	105.4
12.5°	105.4	105.4	106.8	109.2	112.0	114.3	115.7	115.3	113.4	111.8	110.6
15°	106.8	107.3	108.7	112.0	116.4	120.2	122.5	123.2	120.6	117.6	116.2
17.5°	119.0	119.2	118.1	119.5	124.4	130.2	132.8	133.7	129.8	123.9	121.1
20°	125.8	126.0	127.2	129.3	133.3	141.9	147.5	147.1	140.3	129.5	125.5
22.5°	126.2	126.7	129.3	135.6	143.5	154.8	165.8	166.7	158.7	143.3	137.2
25°	126.2	126.7	129.8	137.9	152.2	168.1	187.0	191.2	182.4	164.1	154.3
27.5°	126.2	127.2	132.1	142.1	160.4	186.3	209.0	218.8	210.6	190.5	178.4
30°	126.9	127.9	135.1	149.4	171.6	204.8	237.8	255.1	249.0	227.7	211.6
32.5°	134.9	135.1	141.9	157.3	185.9	223.7	270.3	294.8	294.1	275.4	252.3
35°	142.1	143.1	149.6	167.6	197.6	242.9	303.2	340.2	353.7	333.1	307.4
37.5°	143.3	144.5	154.3	176.3	209.0	263.2	338.8	390.2	421.3	407.7	379.2
40°	144.2	145.9	156.4	179.8	217.9	278.0	371.0	447.2	487.0	480.7	454.0
42.5°	144.9	147.1	157.3	180.3	220.9	288.0	397.7	497.7	551.3	552.9	527.9
45°	141.2	143.5	155.5	179.5	220.5	295.7	420.8	546.1	611.8	623.5	606.9
47.5°	142.4	144.5	154.5	179.3	223.0	304.9	442.1	588.9	670.0	695.8	677.0
50°	152.4	153.1	159.0	183.8	233.3	316.3	462.9	631.2	725.2	764.7	752.8
52.5°	158.7	157.3	160.6	186.8	241.5	329.2	487.4	674.5	786.7	830.9	832.0
55°	168.8	168.3	167.4	190.1	246.6	342.0	515.3	723.3	857.3	903.6	903.4
57.5°	165.5	166.5	167.6	188.4	247.8	348.1	541.5	771.7	927.4	979.6	968.6
60°	155.2	156.6	160.1	181.2	240.8	343.0	551.0	813.1	986.1	1049.7	1028.4
62.5°	146.1	147.1	150.1	170.2	227.0	329.4	545.7	832.8	1027.5	1090.6	1068.4
65°	134.0	134.9	138.2	156.2	207.4	309.1	528.4	830.2	1044.3	1103.5	1078.9
67.5°	119.5	120.6	124.8	142.6	188.0	287.3	505.4	805.6	1027.0	1085.0	1062.6
70°	106.1	107.1	110.3	126.2	167.6	262.3	475.5	763.8	972.1	1027.7	1010.7
72.5°	92.8	93.3	95.9	110.8	146.6	234.0	434.4	697.6	891.7	946.8	932.3
75°	79.5	78.8	81.4	93.3	122.0	201.8	385.0	613.9	780.8	830.6	815.2
77.5°	65.0	64.8	67.1	75.5	98.2	168.3	324.7	510.1	648.8	688.3	681.0
80°	50.5	50.7	51.2	57.7	74.8	132.1	254.1	394.9	506.9	531.2	516.2
82.5°	36.7	36.5	36.7	40.7	54.5	95.6	183.1	285.0	355.4	362.4	359.1
85°	22.2	22.2	22.0	23.6	33.2	54.2	101.7	159.9	196.6	212.7	200.8
87.5°	7.5	7.7	7.9	9.6	11.5	14.7	25.0	43.3	52.4	63.4	55.2
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°	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2.5°	93.0	92.8	92.6	92.3	92.3	92.3	92.1	92.1	91.9	91.9
5°	96.3	95.2	94.0	93.0	92.3	91.4	90.9	90.2	90.0	90.0
7.5°	99.8	98.0	96.1	94.0	92.3	91.2	90.2	89.3	88.8	88.8
10°	104.0	101.5	98.4	96.1	93.7	91.4	89.5	88.1	87.2	87.2
12.5°	108.9	105.4	101.5	98.4	94.9	91.9	89.1	87.0	86.0	85.8
15°	113.6	108.5	103.8	99.8	95.6	91.9	88.8	86.7	85.3	85.3
17.5°	118.1	111.0	105.0	99.6	95.6	91.9	88.4	86.0	84.6	84.4
20°	120.4	110.8	102.9	96.8	94.2	90.9	86.7	84.2	83.0	82.8
22.5°	131.4	118.8	107.8	100.1	95.9	91.4	86.3	83.5	82.5	82.3
25°	146.1	129.3	115.0	105.0	98.2	92.1	86.3	82.8	81.4	81.1
27.5°	166.2	143.3	123.9	110.3	100.1	92.8	86.0	81.8	80.2	80.2
30°	194.7	160.4	134.4	116.7	102.4	93.3	85.3	80.9	79.3	79.0
32.5°	230.5	185.9	148.2	123.9	106.4	93.7	85.3	80.0	77.9	77.6
35°	279.6	217.0	170.9	134.9	111.5	95.6	85.3	79.5	77.1	76.9
37.5°	341.6	268.4	202.0	154.5	119.5	99.1	87.2	80.9	78.3	78.1
40°	416.1	325.7	238.5	177.2	134.4	105.4	91.6	84.4	81.4	81.1
42.5°	491.7	385.7	278.0	205.5	153.4	114.1	94.7	85.8	82.5	82.1
45°	564.6	449.8	326.8	238.2	170.7	122.3	95.2	86.0	82.8	82.3
47.5°	640.6	522.0	383.4	271.9	188.9	129.1	96.6	85.6	82.3	81.8
50°	725.0	598.7	433.9	301.8	208.5	136.8	98.7	84.6	81.8	81.4
52.5°	800.7	669.1	486.0	336.2	229.3	147.5	100.5	82.5	80.2	80.2
55°	866.4	731.3	532.6	368.9	248.5	158.0	101.5	81.6	77.4	77.4
57.5°	925.8	779.7	575.4	395.8	265.6	165.5	105.7	79.5	73.6	74.1
60°	981.7	816.4	610.2	421.1	278.0	172.1	107.8	76.4	68.7	69.2
62.5°	1017.7	845.1	634.3	439.8	285.9	175.3	107.5	74.8	63.8	63.8
65°	1029.4	858.7	644.8	448.4	288.0	174.2	104.0	72.9	57.7	55.2
67.5°	1012.8	851.2	640.6	445.8	282.4	168.6	99.1	69.9	50.5	49.1
70°	968.8	814.0	618.1	431.8	268.9	157.3	92.6	62.7	45.8	42.3
72.5°	889.6	753.3	574.9	403.5	249.2	143.1	84.9	54.7	42.1	40.7
75°	781.8	658.3	512.5	359.8	221.9	126.9	74.8	46.5	38.6	39.0
77.5°	648.3	549.2	428.3	306.3	190.8	106.8	63.6	38.3	34.6	36.7
80°	494.2	425.5	331.0	242.4	154.5	85.1	51.4	31.1	29.7	30.6
82.5°	341.6	295.0	234.3	170.7	111.3	64.5	37.9	24.5	23.1	22.7
85°	194.0	161.5	130.7	98.4	66.4	39.7	25.7	18.0	16.4	16.4
87.5°	52.8	47.7	38.1	28.8	21.3	15.7	12.6	9.8	8.9	8.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)