

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: P181577

Luminaire Tested: **ICS-E01-LED-E1-T4-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181577  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E01-LED-E1-T4-HSS-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1469.2 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G1

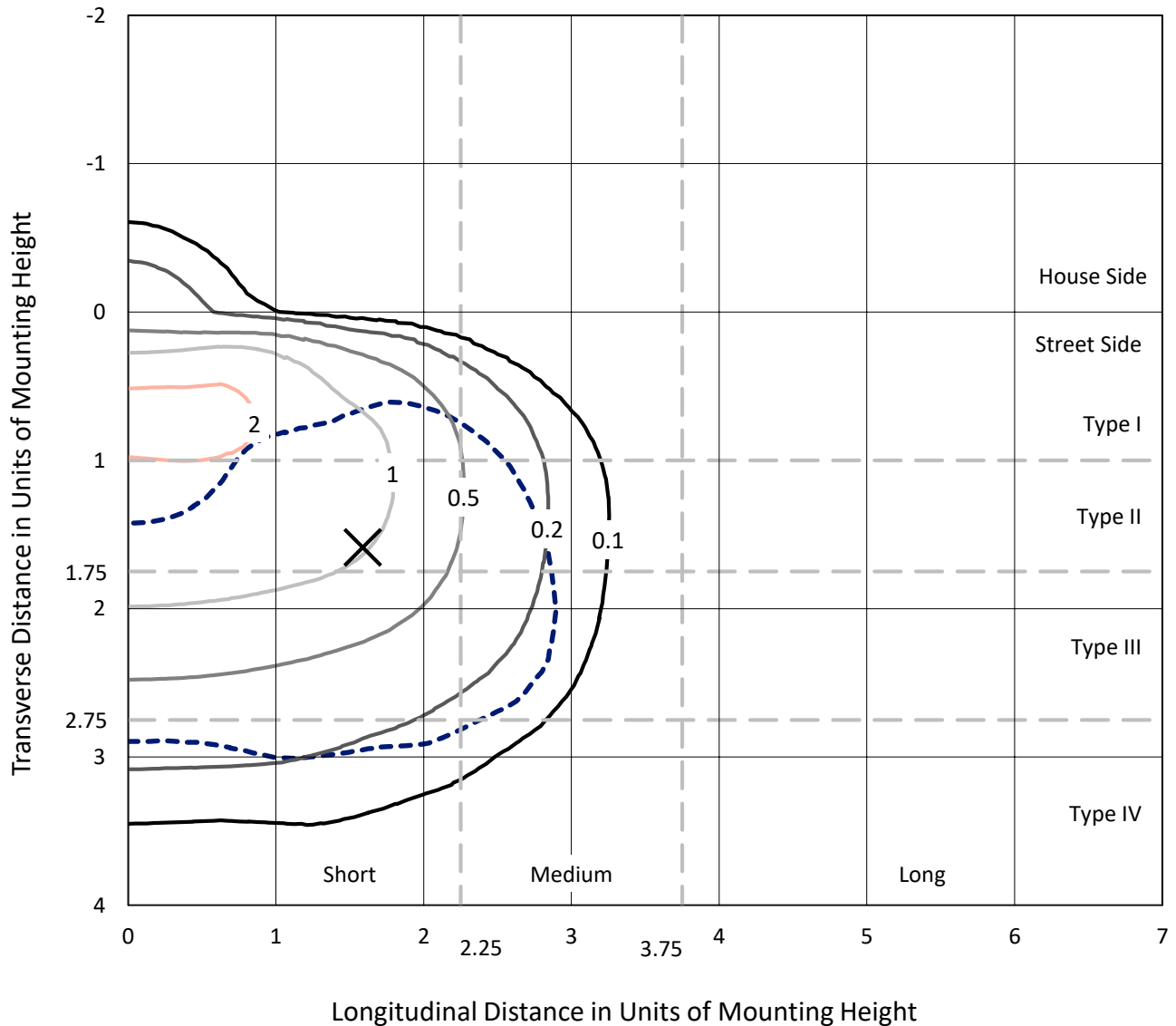
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

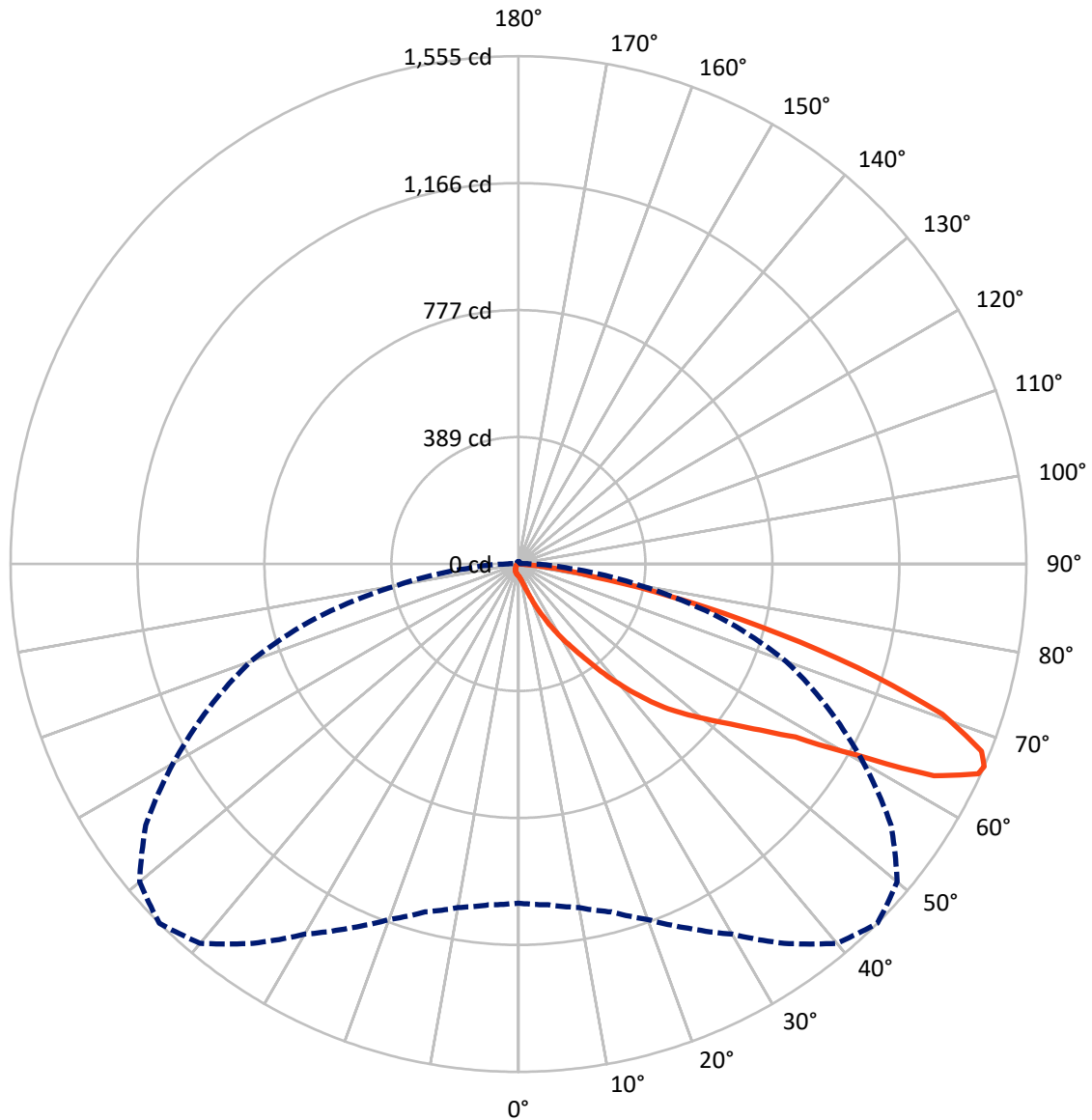
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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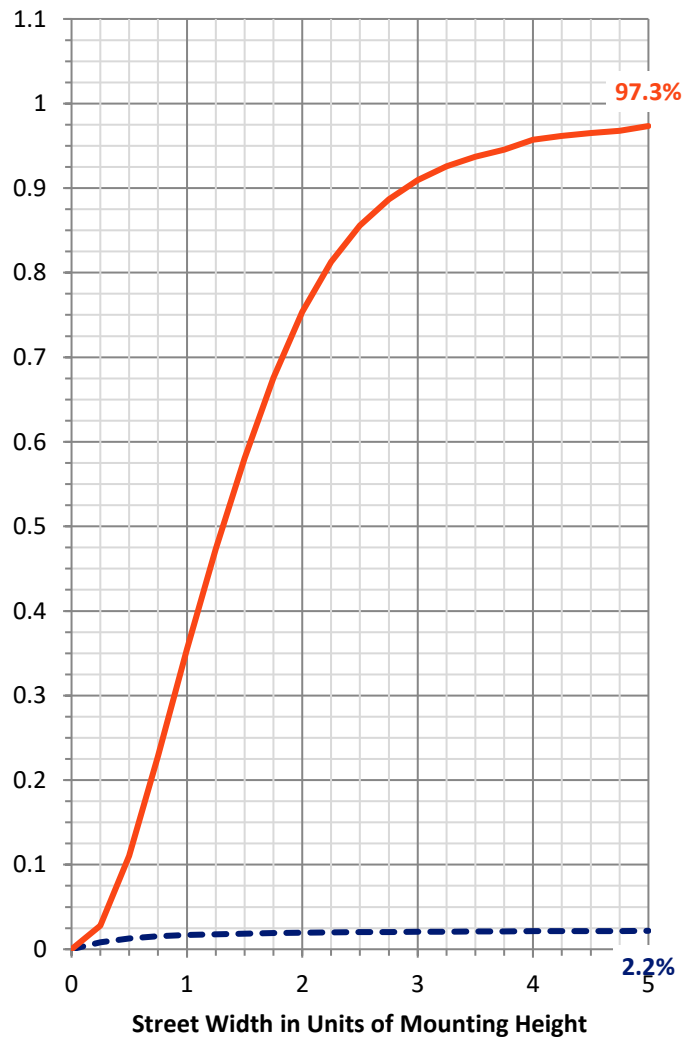
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	33.3	0.0	33.3
	% Fixture	2.3	0.0	2.3
<b>Street Side</b>	Lumens	1435.9	0.0	1435.9
	% Fixture	97.7	0.0	97.7
<b>Total</b>	Lumens	1469.2	0.0	1469.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.3
10°-20°	15.0	1.0
20°-30°	43.9	3.0
30°-40°	102.5	7.0
40°-50°	192.6	13.1
50°-60°	319.1	21.7
60°-70°	506.6	34.5
70°-80°	262.0	17.8
80°-90°	23.7	1.6
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°	1469.2	100.0
0°-180°	1469.2	100.0



--- HS    — SS

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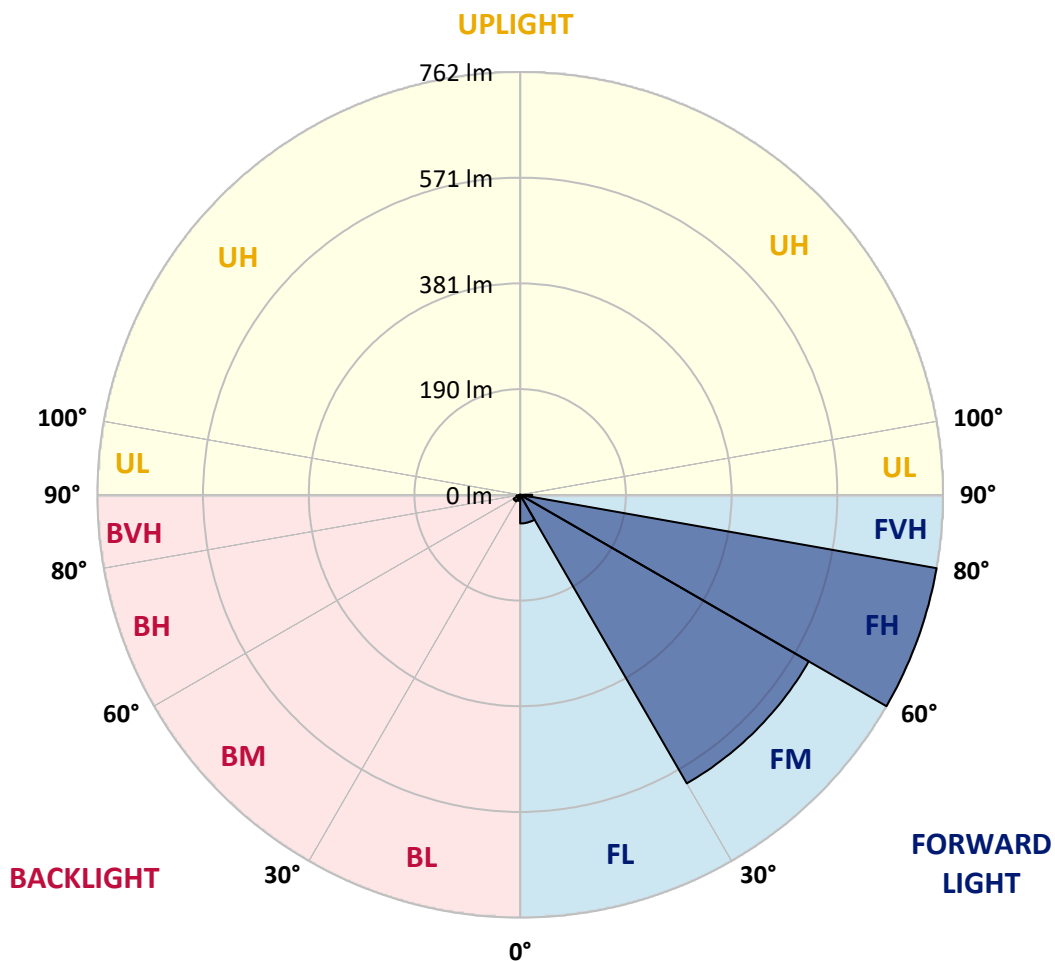
CATALOG NUMBER: ICS-E01-LED-E1-T4-HSS-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.7	3.5			
FM	(30°-60°)	600.4	40.9			
FH	(60°-80°)	761.9	51.9			G1/1800
FVH	(80°-90°)	21.8	1.5			G1/100
BL	(0°-30°)	10.9	0.7	B0/110		
BM	(30°-60°)	13.8	0.9	B0/220		
BH	(60°-80°)	6.7	0.5	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2.5°	39.8	39.8	39.8	39.8	39.5	39.2	39.0	38.7	38.5	38.5	38.2
5°	45.1	45.3	45.1	44.8	44.3	44.1	43.3	42.8	42.0	41.8	41.0
7.5°	52.4	52.2	52.4	51.7	50.6	50.4	49.4	48.1	47.1	45.6	44.6
10°	63.0	62.8	63.0	61.5	60.0	58.7	57.0	55.5	53.2	51.4	49.4
12.5°	80.0	80.0	79.5	77.5	75.5	72.7	69.9	66.6	62.5	59.0	55.7
15°	106.1	104.8	102.6	101.3	97.7	93.4	90.4	83.8	78.0	72.4	65.8
17.5°	137.5	135.0	133.2	130.4	125.8	120.3	115.2	105.6	99.8	90.6	81.3
20°	173.4	170.4	169.9	165.6	160.8	154.7	147.4	136.0	126.1	114.7	101.5
22.5°	210.2	210.7	208.6	205.6	200.8	193.7	182.3	171.9	159.8	145.3	128.4
25°	251.2	250.9	249.2	245.6	242.1	233.2	224.1	214.2	199.8	181.3	161.0
27.5°	289.7	289.4	285.1	285.4	278.5	275.2	266.4	255.7	238.3	222.8	200.8
30°	329.9	327.4	324.6	322.6	317.8	312.0	307.4	294.7	281.6	263.3	245.4
32.5°	370.7	367.9	368.7	366.1	362.3	356.5	349.7	339.3	325.1	307.4	290.7
35°	420.6	419.3	417.3	418.1	417.3	413.0	407.2	393.5	378.0	361.1	343.9
37.5°	457.6	456.3	457.6	462.9	464.1	466.9	462.6	455.8	444.6	426.2	408.2
40°	491.7	492.0	497.8	504.4	509.0	518.1	519.6	516.8	507.9	491.0	467.4
42.5°	522.4	526.2	531.5	542.4	552.3	565.2	574.8	576.3	569.7	558.6	534.8
45°	556.6	559.8	568.2	581.1	594.8	610.7	626.2	634.3	633.8	625.9	600.4
47.5°	594.8	599.1	608.2	618.8	637.1	655.1	675.1	689.5	695.6	684.7	659.9
50°	641.1	642.9	650.8	664.4	681.1	701.9	723.7	744.7	756.6	746.5	720.9
52.5°	696.1	696.6	703.9	716.6	730.0	752.8	774.1	803.2	818.6	813.1	782.4
55°	771.5	770.0	775.1	786.0	796.9	818.9	840.2	873.1	895.6	896.1	863.4
57.5°	874.6	871.0	874.3	882.9	895.1	915.6	942.5	971.6	1001.7	999.7	972.8
60°	1018.2	1016.9	1023.0	1037.4	1058.2	1079.4	1109.8	1149.1	1175.7	1184.8	1156.7
62.5°	1113.6	1117.2	1131.1	1153.4	1193.4	1237.4	1293.9	1353.9	1404.6	1427.4	1388.6
65°	1072.6	1078.4	1100.2	1133.1	1186.0	1252.1	1327.1	1425.6	1512.9	1547.6	1507.4
66°	1037.9	1047.3	1067.8	1102.7	1157.9	1230.1	1308.3	1417.2	1515.5	1554.5	1513.4
67.5°	977.9	984.5	1007.8	1046.5	1105.8	1177.2	1261.8	1376.7	1487.6	1528.9	1488.1
70°	855.6	858.1	877.1	910.0	955.9	1029.0	1105.8	1216.4	1318.5	1376.5	1331.9
72.5°	636.8	640.4	671.8	731.8	791.3	832.8	878.1	966.8	1032.6	1086.8	1078.2
75°	306.4	307.9	328.9	416.5	532.5	582.1	624.2	692.8	717.9	763.2	756.3
77.5°	194.2	197.5	211.2	232.4	298.3	357.3	390.5	429.7	437.0	475.3	453.0
80°	53.4	62.0	75.7	111.4	191.2	227.9	242.8	241.3	242.8	231.2	223.6
82.5°	10.9	10.6	12.9	20.0	84.3	132.7	143.3	122.0	121.3	116.7	120.5
85°	2.8	2.5	3.0	6.3	14.4	39.2	49.4	27.6	21.0	20.0	17.7
87.5°	0.8	0.8	0.8	1.3	1.5	2.0	2.8	2.0	1.5	1.5	1.5
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2.5°	38.0	38.0	37.7	37.5	37.5	37.2	37.0	36.7	36.5	36.2	36.0
5°	40.3	39.8	39.0	38.5	38.0	37.2	36.7	36.2	35.7	35.4	34.9
7.5°	43.3	42.0	41.0	39.5	38.5	37.5	36.5	35.7	34.9	34.4	33.9
10°	47.1	45.1	43.0	41.0	39.2	37.7	36.2	34.9	34.2	33.4	32.9
12.5°	51.9	48.9	46.1	43.0	40.3	38.0	36.0	34.4	33.4	32.7	31.9
15°	59.8	54.9	50.1	45.6	42.0	38.5	35.7	33.9	32.7	31.9	31.1
17.5°	72.2	63.6	56.0	49.6	43.8	39.2	35.7	33.4	31.9	30.9	30.1
20°	90.1	76.0	63.8	54.7	47.1	40.5	35.7	32.7	31.1	29.9	29.1
22.5°	111.4	93.7	77.0	61.8	50.9	42.3	35.7	31.9	30.1	29.1	28.1
25°	142.6	119.0	96.2	75.0	57.2	45.1	36.5	31.4	29.4	28.1	27.1
27.5°	179.0	150.7	122.3	92.4	66.8	49.1	37.5	30.9	28.6	27.1	26.1
30°	220.5	189.1	154.5	115.7	79.5	54.4	39.2	30.6	27.6	26.1	24.8
32.5°	265.6	232.4	194.5	145.6	98.2	62.5	41.5	30.4	26.6	24.8	23.3
35°	319.3	288.4	242.1	187.6	127.4	76.5	46.6	30.9	25.6	23.5	21.8
37.5°	378.0	345.1	296.0	232.2	156.2	92.2	50.4	30.1	23.8	21.8	20.0
40°	437.3	399.6	349.7	279.0	192.9	111.4	55.2	29.4	22.0	20.0	18.2
42.5°	495.0	455.3	401.1	327.1	231.7	134.2	61.3	29.4	20.8	18.2	16.5
45°	555.5	507.7	448.4	373.2	270.2	160.3	69.9	29.1	19.2	16.7	14.7
47.5°	612.8	556.1	487.9	413.7	311.4	188.9	79.8	29.4	18.0	15.2	13.4
50°	667.0	601.9	528.5	450.0	351.0	219.8	91.9	29.6	16.7	13.9	12.2
52.5°	726.2	654.0	572.0	487.2	389.9	250.9	106.1	30.1	15.4	12.7	11.1
55°	799.6	719.6	625.7	532.8	431.2	282.3	119.8	30.6	14.2	11.6	10.1
57.5°	905.5	814.3	712.8	601.1	485.9	318.0	133.9	31.9	13.2	10.9	9.4
60°	1077.7	969.0	851.8	720.1	567.7	366.4	154.5	34.7	11.9	9.9	8.9
62.5°	1284.8	1154.1	1005.0	845.2	644.7	399.1	168.1	37.7	10.9	9.1	8.4
65°	1389.1	1224.5	1052.6	880.2	654.6	389.4	162.6	36.7	9.6	8.1	7.1
66°	1392.2	1220.7	1046.0	872.6	644.4	377.8	157.2	36.2	9.4	7.8	6.6
67.5°	1363.3	1188.1	1011.1	838.1	614.5	355.3	147.6	34.4	8.6	7.1	5.8
70°	1220.7	1050.1	887.8	728.0	528.7	299.3	123.8	30.4	7.6	6.3	5.3
72.5°	973.1	834.1	697.3	572.8	411.0	224.6	97.7	24.8	6.6	5.6	4.6
75°	679.6	565.4	461.4	372.5	258.3	134.5	63.3	17.5	5.6	4.6	3.8
77.5°	379.3	300.8	227.4	173.2	103.1	42.0	21.0	8.9	4.8	3.5	3.0
80°	192.9	143.1	108.9	80.3	47.6	21.8	10.6	5.8	3.8	2.8	2.5
82.5°	112.2	82.3	65.6	51.9	32.7	16.5	8.6	4.3	2.5	2.0	2.3
85°	25.1	33.2	28.1	23.8	17.5	10.4	6.1	2.8	1.8	1.8	2.0
87.5°	2.0	2.8	2.5	3.3	3.5	3.3	2.5	1.5	1.3	1.5	1.5
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2.5°	35.7	35.4	35.4	35.2	34.9	34.9	34.9	34.7	34.9	34.9	34.9
5°	34.7	34.4	34.2	33.9	33.7	33.4	33.4	33.2	33.2	33.2	33.4
7.5°	33.7	33.2	32.9	32.4	32.2	31.9	31.9	31.7	31.7	31.7	31.7
10°	32.4	31.9	31.4	31.1	30.9	30.4	30.4	30.1	29.9	29.9	29.9
12.5°	31.4	30.9	30.4	29.9	29.4	29.1	28.9	28.6	28.4	28.4	28.4
15°	30.4	29.6	29.1	28.6	28.1	27.6	27.3	27.1	26.8	26.6	26.6
17.5°	29.4	28.6	27.9	27.3	26.8	26.3	26.1	25.3	25.3	25.1	25.1
20°	28.1	27.3	26.6	26.1	25.6	25.1	24.6	24.1	23.5	23.3	23.3
22.5°	27.1	26.3	25.6	24.8	24.1	23.3	22.8	22.3	22.0	21.8	21.5
25°	26.1	25.1	24.1	23.3	22.5	21.8	21.3	20.8	20.3	20.0	20.0
27.5°	24.8	23.8	22.8	21.8	21.0	20.3	19.8	19.0	18.7	18.5	18.2
30°	23.5	22.3	21.3	20.3	19.5	18.5	18.0	17.5	17.0	17.0	16.7
32.5°	22.0	20.8	19.8	18.7	17.7	17.0	16.5	16.0	15.7	15.2	15.2
35°	20.5	19.2	18.0	17.0	16.2	15.4	14.9	14.4	13.9	13.7	13.7
37.5°	18.7	17.5	16.5	15.4	14.7	13.9	13.4	12.9	12.7	12.4	12.2
40°	16.7	15.4	14.7	13.9	13.2	12.7	11.9	11.4	11.1	10.9	10.6
42.5°	14.9	13.7	13.2	12.7	11.9	11.4	10.6	10.1	9.6	9.4	9.1
45°	13.4	12.4	11.9	11.4	10.6	9.9	9.4	8.9	8.4	8.1	8.1
47.5°	11.9	11.1	10.6	10.1	9.4	8.9	8.1	7.8	7.3	7.3	7.3
50°	10.9	10.1	9.6	9.1	8.6	7.8	7.3	7.1	6.8	6.8	7.1
52.5°	10.1	9.4	8.9	8.4	7.8	7.3	6.8	6.6	6.6	6.8	7.1
55°	9.4	8.6	8.1	7.6	7.1	6.8	6.3	6.3	6.6	6.8	7.1
57.5°	8.9	7.8	7.3	7.1	6.6	6.3	6.3	6.3	6.6	6.8	7.3
60°	8.1	7.1	6.6	6.6	6.1	6.1	6.1	6.3	6.6	7.1	7.3
62.5°	7.1	6.3	6.1	6.1	5.8	5.8	6.1	6.3	6.8	7.1	7.3
65°	6.1	5.6	5.6	5.6	5.6	5.8	6.1	6.3	6.6	7.1	7.3
66°	5.6	5.3	5.3	5.6	5.6	5.8	6.1	6.3	6.6	6.8	7.1
67.5°	5.3	5.1	5.1	5.3	5.6	5.6	5.8	6.3	6.6	6.8	6.8
70°	4.6	4.6	4.6	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8
72.5°	4.1	4.1	4.3	4.6	5.1	5.3	5.6	5.8	6.3	6.6	6.6
75°	3.5	3.5	4.1	4.3	4.8	5.1	5.6	5.8	6.1	6.3	6.3
77.5°	3.0	3.3	3.8	4.3	4.6	5.1	5.3	5.6	5.8	6.1	6.1
80°	2.8	3.3	3.8	4.1	4.3	4.6	4.8	5.3	5.6	5.8	6.1
82.5°	2.8	3.0	3.5	3.8	4.1	4.6	4.8	5.1	5.3	5.6	5.8
85°	2.3	2.8	3.0	3.5	3.8	4.3	4.6	4.6	4.8	5.1	5.3
87.5°	1.8	2.0	2.0	2.5	2.8	3.3	3.8	3.8	4.1	4.3	4.6
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):**

	165°	170°	175°	180°
0°	36.7	36.7	36.7	36.7
2.5°	34.9	35.2	35.2	35.2
5°	33.4	33.4	33.4	33.4
7.5°	31.7	31.7	31.7	31.7
10°	29.9	29.9	30.1	29.9
12.5°	28.4	28.1	28.1	28.1
15°	26.6	26.6	26.3	26.6
17.5°	24.8	24.8	24.6	24.6
20°	23.0	23.0	23.0	23.0
22.5°	21.5	21.3	21.3	21.3
25°	19.8	19.8	19.8	19.8
27.5°	18.2	18.2	18.2	18.2
30°	16.7	16.7	16.5	16.5
32.5°	15.2	15.2	15.2	15.2
35°	13.7	13.7	13.4	13.4
37.5°	11.9	11.9	11.9	11.9
40°	10.4	10.4	10.4	10.4
42.5°	9.1	9.1	8.9	8.9
45°	7.8	7.8	7.8	7.8
47.5°	7.3	7.3	7.3	7.3
50°	7.1	7.3	7.3	7.3
52.5°	7.3	7.3	7.3	7.3
55°	7.3	7.6	7.6	7.6
57.5°	7.3	7.6	7.6	7.8
60°	7.6	7.8	7.8	7.8
62.5°	7.6	7.8	7.8	7.8
65°	7.3	7.6	7.6	7.6
66°	7.3	7.3	7.3	7.6
67.5°	7.1	7.3	7.3	7.3
70°	6.8	7.1	7.1	7.3
72.5°	6.8	7.1	7.1	7.1
75°	6.6	6.6	6.8	6.8
77.5°	6.3	6.3	6.6	6.6
80°	6.1	6.3	6.3	6.3
82.5°	5.8	6.1	6.1	6.1
85°	5.3	5.6	5.6	5.6
87.5°	4.6	4.6	4.8	4.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)