

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: P180916

Luminaire Tested: **ICS-E01-LED-E1-SL4-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180916  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)  
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-SL4-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2244.1 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

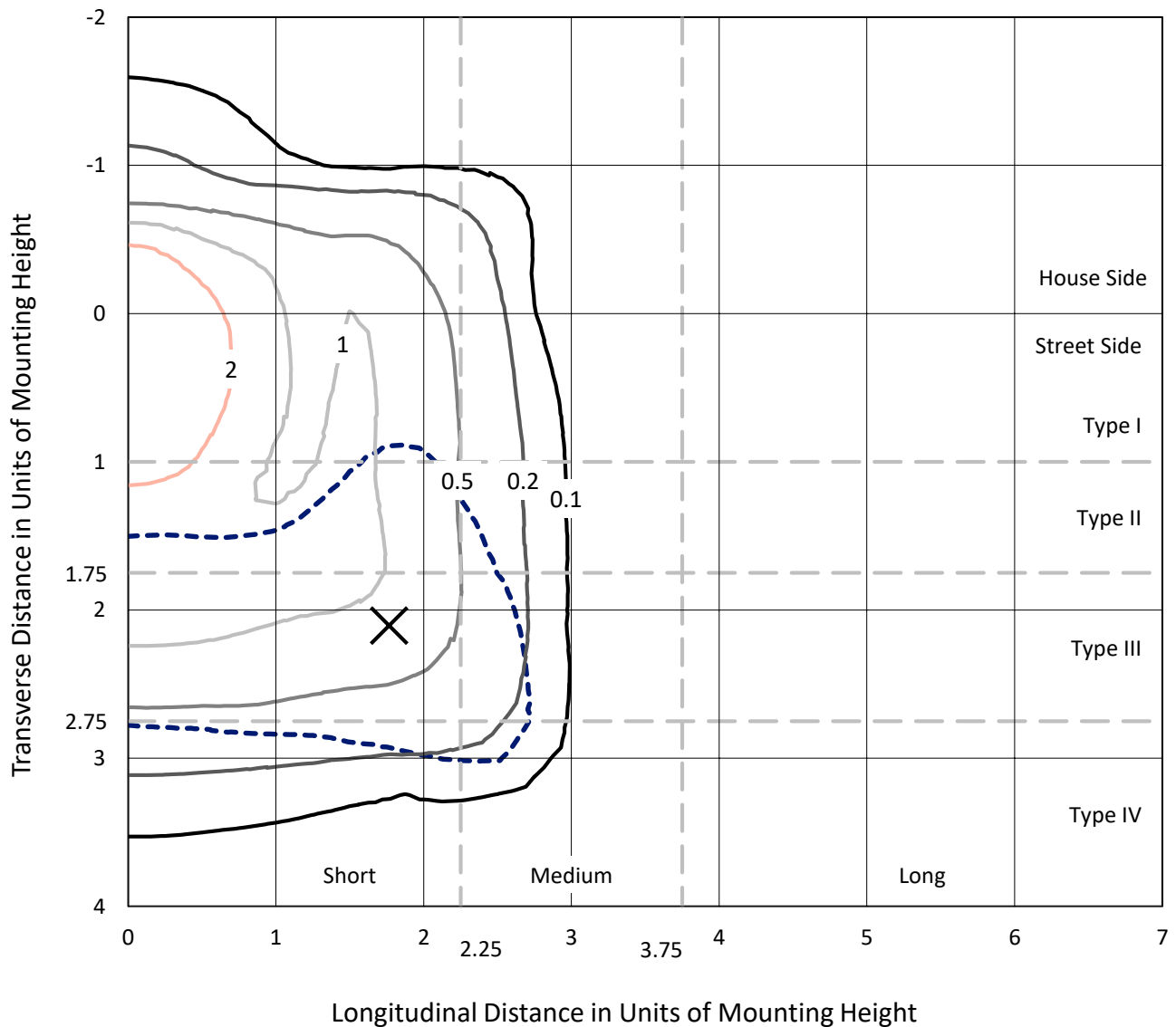
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

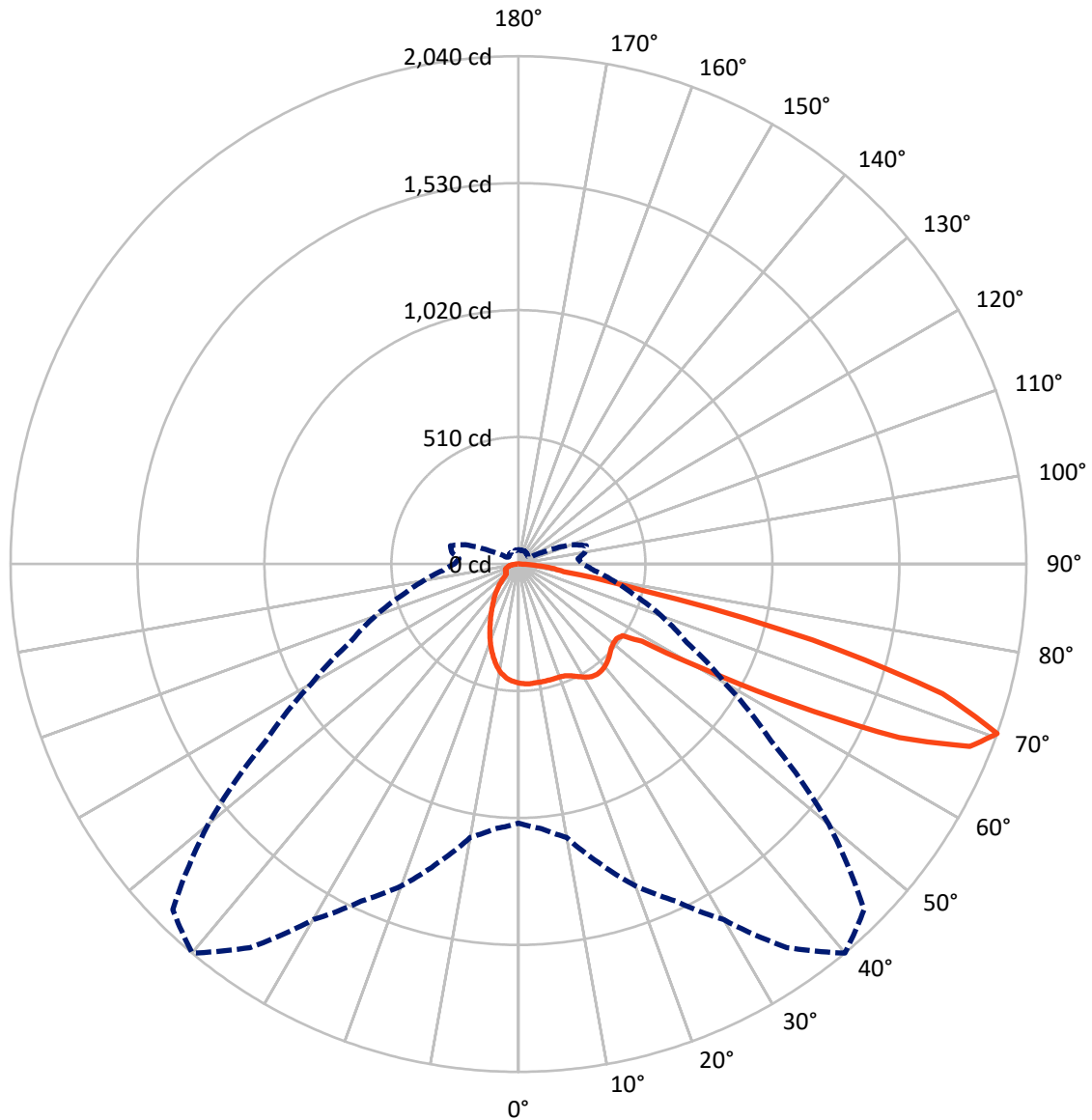
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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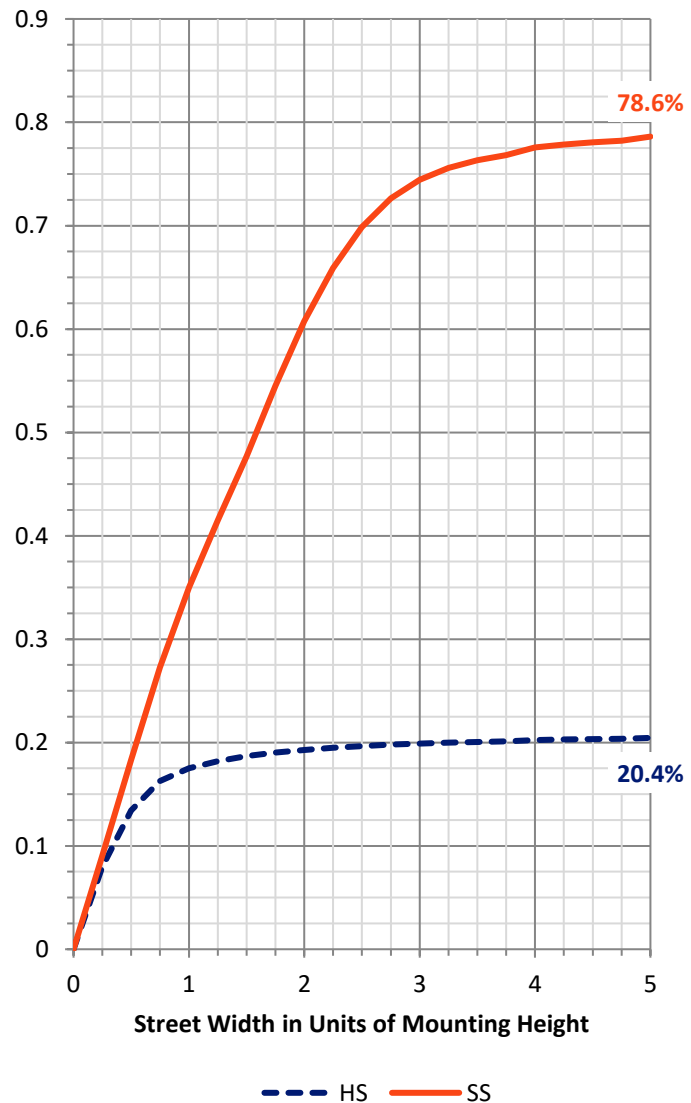
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	465.8	0.0	465.8
	% Fixture	20.8	0.0	20.8
<b>Street Side</b>	Lumens	1778.2	0.0	1778.2
	% Fixture	79.2	0.0	79.2
<b>Total</b>	Lumens	2244.1	0.0	2244.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.7	2.0
10°-20°	122.5	5.5
20°-30°	181.3	8.1
30°-40°	229.1	10.2
40°-50°	259.1	11.5
50°-60°	368.7	16.4
60°-70°	686.7	30.6
70°-80°	314.7	14.0
80°-90°	37.4	1.7
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°	2244.1	100.0
0°-180°	2244.1	100.0



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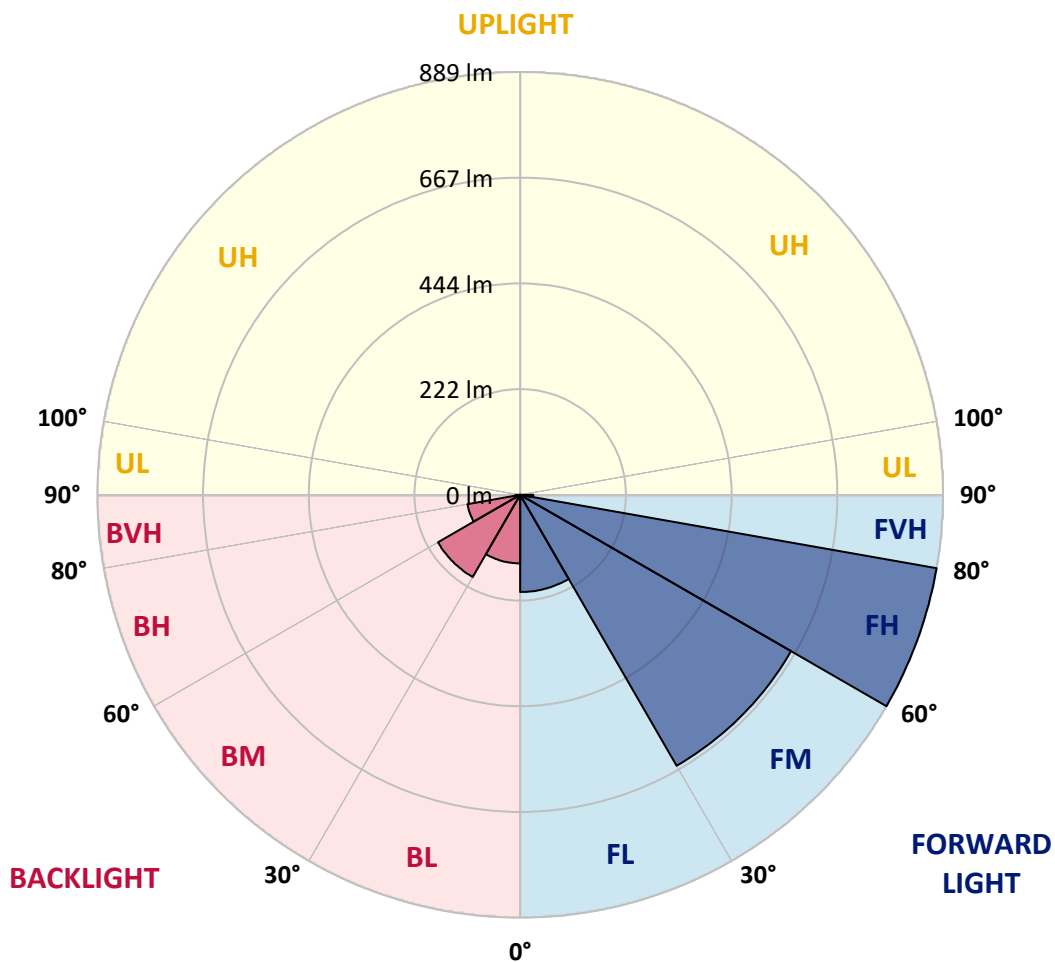
CATALOG NUMBER: ICS-E01-LED-E1-SL4-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	204.3	9.1			
FM	(30°-60°)	657.4	29.3			
FH	(60°-80°)	888.7	39.6			G1/1800
FVH	(80°-90°)	27.7	1.2			G1/100
BL	(0°-30°)	144.1	6.4	B1/500		
BM	(30°-60°)	199.4	8.9	B0/220		
BH	(60°-80°)	112.6	5.0	B1/500		G1/500
BVH	(80°-90°)	9.6	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8
2.5°	486.2	487.4	485.9	485.7	485.7	485.4	483.9	483.6	481.6	481.9	482.4
5°	489.7	490.2	489.2	489.0	488.4	487.4	486.2	484.6	483.1	481.6	480.3
7.5°	493.3	492.7	492.0	492.0	491.2	489.7	487.2	485.2	481.9	480.1	477.8
10°	498.3	497.6	496.5	496.0	494.8	492.5	489.0	486.2	482.1	478.6	474.8
12.5°	503.1	502.9	501.4	500.6	498.6	496.3	492.0	487.7	482.4	476.8	471.7
15°	511.7	510.7	509.2	507.7	504.4	501.4	494.8	489.7	482.1	474.8	466.9
17.5°	526.7	524.9	523.4	520.1	516.0	510.7	501.1	492.5	482.1	471.5	462.6
20°	554.0	550.2	548.2	543.9	536.8	527.2	512.2	498.3	482.9	469.2	457.3
22.5°	584.9	582.4	579.6	576.8	565.7	551.7	531.5	510.7	487.4	468.2	453.0
25°	619.6	616.3	614.8	610.0	599.6	583.7	556.1	527.2	497.8	472.2	453.0
27.5°	650.5	649.5	649.2	643.7	633.8	615.0	582.4	547.7	512.0	480.6	456.8
30°	678.6	677.6	677.1	674.0	662.7	640.4	604.9	565.9	527.4	492.2	463.9
32.5°	708.5	705.2	703.7	697.8	684.9	658.9	618.3	577.8	539.6	503.6	471.7
35°	732.8	730.0	727.0	718.6	700.4	669.5	624.2	581.9	544.4	510.0	475.8
37.5°	750.5	747.7	743.4	732.8	710.3	673.0	623.9	580.6	542.6	509.0	476.5
40°	758.4	755.6	751.0	737.6	712.0	671.0	619.1	574.8	537.3	503.6	473.5
42.5°	755.3	753.3	747.5	734.6	706.5	661.9	609.5	563.9	527.2	495.0	466.7
45°	743.7	742.2	736.6	722.9	693.8	647.2	595.3	550.2	515.0	484.4	457.6
47.5°	726.2	725.7	720.1	706.7	677.8	632.5	580.6	536.8	502.9	474.0	450.0
50°	707.0	704.4	701.6	689.2	662.9	619.9	570.0	528.5	496.0	470.2	446.7
52.5°	694.8	694.1	691.5	680.4	655.1	612.5	565.2	525.4	495.5	469.5	444.9
55°	802.7	804.5	781.2	732.8	690.3	632.8	579.6	540.9	507.9	481.6	463.6
57.5°	1187.3	1179.5	1139.4	1043.5	935.1	792.0	689.0	626.4	585.7	590.2	599.4
60°	1383.3	1381.8	1374.4	1337.2	1265.0	1156.2	1035.4	896.9	852.8	857.6	861.2
62.5°	1470.9	1473.2	1478.8	1464.8	1445.8	1414.2	1353.9	1298.2	1239.2	1217.2	1158.2
65°	1511.4	1515.5	1528.1	1536.0	1543.3	1548.9	1572.7	1638.0	1681.1	1600.5	1413.2
67.5°	1427.6	1447.1	1488.9	1529.6	1566.1	1618.0	1698.5	1850.2	1955.8	1856.8	1585.1
70°	1040.7	1067.3	1115.1	1241.2	1375.9	1493.7	1649.7	1880.6	2039.9	1963.4	1627.6
72.5°	652.5	659.9	681.1	727.5	827.5	978.7	1251.4	1597.8	1781.6	1720.6	1375.7
75°	414.0	416.5	415.8	426.4	443.4	476.3	584.2	943.7	1220.5	1125.3	766.7
77.5°	246.6	250.4	251.9	255.2	263.3	275.0	283.8	321.1	511.7	496.8	278.3
80°	206.6	209.7	207.1	206.4	201.3	197.8	202.1	197.8	183.6	176.7	162.8
82.5°	109.4	109.1	108.4	115.7	130.7	142.3	151.2	149.1	135.0	115.0	97.5
85°	60.0	62.0	62.0	64.6	62.3	62.5	64.6	68.1	63.0	52.7	43.0
87.5°	5.1	7.8	6.3	7.8	10.6	7.6	7.3	7.3	6.3	4.6	4.1
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°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8
2.5°	481.1	480.6	479.6	478.8	478.8	477.6	476.8	476.3	476.0	475.0	475.0
5°	479.6	477.8	476.0	474.8	474.0	472.7	470.7	469.7	468.4	467.4	466.9
7.5°	476.3	473.0	470.2	468.2	465.7	463.6	461.1	458.8	456.5	455.5	455.0
10°	471.2	466.9	462.6	458.8	455.3	451.7	448.4	445.1	442.4	440.3	438.3
12.5°	466.4	459.8	454.3	448.7	443.1	438.8	434.3	429.4	425.4	421.6	420.6
15°	459.8	452.2	445.1	438.3	431.5	424.4	418.8	413.5	406.9	402.6	399.3
17.5°	453.8	444.6	436.0	427.9	419.6	412.2	403.9	396.8	390.2	383.6	378.8
20°	447.2	437.3	428.2	419.1	409.9	400.6	391.0	381.8	373.7	365.9	358.0
22.5°	441.3	431.2	422.4	412.5	402.4	391.7	380.6	369.2	359.8	349.7	340.6
25°	437.8	426.7	417.5	407.9	396.8	385.1	372.5	359.1	347.7	336.0	325.1
27.5°	437.8	423.4	414.0	404.4	393.0	380.6	366.6	352.0	339.0	326.1	312.7
30°	441.6	423.9	411.2	401.1	389.4	376.0	360.6	345.1	330.9	315.8	302.8
32.5°	445.1	424.9	409.2	396.3	382.9	369.7	354.0	337.5	321.8	307.4	293.7
35°	447.4	424.9	405.4	388.9	373.7	360.8	345.4	328.9	313.0	298.8	286.1
37.5°	447.7	422.9	399.3	380.6	364.6	351.2	336.5	321.1	305.9	292.7	282.1
40°	445.1	418.8	393.2	371.7	355.0	341.3	327.9	314.0	300.3	289.4	280.3
42.5°	440.6	414.5	387.4	364.6	347.2	333.0	320.6	308.7	296.8	287.4	279.8
45°	433.8	408.7	382.1	360.3	343.1	328.2	316.0	306.1	296.0	288.2	280.6
47.5°	427.7	406.7	383.9	363.1	345.1	329.7	317.3	308.9	301.1	295.8	285.4
50°	426.4	405.6	384.6	365.4	347.2	331.5	320.6	316.3	314.0	310.7	294.7
52.5°	422.9	405.4	390.2	379.6	367.9	360.6	349.2	353.2	350.7	339.0	310.2
55°	460.1	465.1	479.3	499.6	518.3	522.6	521.4	516.6	491.0	422.4	347.4
57.5°	632.5	661.1	688.0	699.9	698.4	684.9	675.3	655.8	618.8	535.3	420.8
60°	872.1	876.6	862.4	841.4	806.0	776.3	744.7	708.2	654.6	572.8	465.9
62.5°	1092.6	1031.3	968.3	909.0	855.1	808.0	763.9	713.0	643.2	557.8	460.1
65°	1248.3	1118.7	1019.2	934.1	857.9	792.0	737.1	671.0	592.3	515.3	426.4
67.5°	1328.6	1129.8	977.1	858.6	750.5	659.4	586.2	521.9	463.4	429.7	373.2
70°	1239.0	958.9	746.2	612.3	482.9	387.2	305.9	256.8	239.8	271.7	282.6
72.5°	923.2	624.2	443.9	343.4	263.1	209.7	160.8	126.4	102.8	107.9	140.0
75°	436.5	269.4	190.4	144.8	115.2	95.5	78.0	71.4	59.8	49.6	46.6
77.5°	169.9	123.8	102.3	75.0	53.2	42.8	36.5	35.2	36.0	34.9	34.4
80°	129.4	87.6	54.9	40.3	34.7	30.6	27.1	26.1	26.6	27.9	29.1
82.5°	72.2	45.1	33.4	29.1	26.1	22.3	20.3	18.7	19.0	20.5	23.3
85°	27.9	21.8	20.0	19.2	18.0	14.4	12.4	12.7	14.4	17.2	17.2
87.5°	3.0	3.0	4.1	3.0	3.0	3.0	2.8	3.3	3.5	4.6	5.3
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°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8
2.5°	474.5	474.5	474.5	474.0	474.3	473.3	473.3	472.5	473.8	473.0	472.7
5°	467.2	466.9	465.9	465.9	465.9	465.9	466.7	464.6	466.2	466.2	465.4
7.5°	454.8	454.8	452.0	453.5	453.0	453.8	454.8	453.8	455.3	456.3	455.5
10°	437.5	437.5	435.3	437.0	436.3	438.1	439.8	438.8	439.8	441.3	441.9
12.5°	418.6	417.5	415.5	416.3	416.3	417.3	418.1	419.3	420.6	422.6	423.6
15°	396.5	395.0	392.5	392.5	391.0	391.5	393.0	393.5	396.0	398.8	402.1
17.5°	374.0	370.2	367.4	364.1	361.6	363.6	365.4	366.6	368.7	373.0	375.3
20°	352.7	345.1	339.8	335.5	332.7	334.0	336.3	337.8	339.6	340.6	341.3
22.5°	331.7	323.1	315.8	310.4	305.9	307.1	306.1	305.4	306.6	303.3	303.1
25°	313.5	303.3	293.5	287.1	281.6	279.8	274.5	273.2	269.7	266.9	264.9
27.5°	300.3	287.1	276.3	268.9	260.0	253.5	246.6	239.8	236.0	231.4	229.2
30°	289.9	276.0	263.1	250.7	239.0	228.9	219.8	210.9	204.8	198.3	194.0
32.5°	280.3	267.4	251.7	234.7	219.0	207.6	195.7	185.6	176.0	167.4	161.0
35°	273.7	259.3	239.3	218.5	200.8	187.4	174.7	160.3	148.6	137.5	130.7
37.5°	270.2	252.5	227.9	204.8	185.1	169.9	154.2	137.5	123.3	112.9	102.6
40°	267.4	245.6	217.8	192.7	171.9	153.7	135.5	115.7	100.0	89.1	81.0
42.5°	264.4	238.0	208.9	183.1	160.0	138.8	116.7	95.7	80.8	73.2	69.6
45°	261.1	231.4	200.5	174.0	148.4	122.6	97.2	77.7	68.9	66.3	66.3
47.5°	260.3	227.1	194.5	165.1	135.2	103.8	79.3	67.1	64.6	65.1	66.1
50°	263.3	225.9	189.1	154.7	117.7	84.1	67.1	63.0	63.6	65.1	66.6
52.5°	270.7	226.9	183.6	140.3	97.0	69.4	62.0	61.8	63.3	65.6	67.1
55°	283.1	226.9	172.9	118.8	77.5	62.3	60.3	61.3	63.3	65.3	66.6
57.5°	309.7	224.6	154.2	95.0	64.8	59.8	59.8	61.0	62.8	64.8	65.8
60°	341.3	221.6	127.9	73.4	58.5	57.7	59.5	61.0	62.5	64.3	65.3
62.5°	343.4	213.7	101.3	60.8	55.2	56.5	59.3	61.3	61.8	63.0	64.3
65°	315.5	186.4	80.5	54.4	53.7	55.7	58.5	60.0	60.3	60.8	62.0
67.5°	276.3	151.9	65.1	51.4	52.2	54.4	56.0	57.2	58.0	59.3	59.5
70°	226.9	122.0	55.7	48.4	49.1	51.7	52.9	54.2	55.7	57.2	56.5
72.5°	160.8	95.0	48.9	45.1	46.1	48.4	49.9	50.9	52.2	53.7	52.7
75°	68.4	66.3	42.3	40.8	42.3	43.8	45.3	46.8	48.1	48.9	48.9
77.5°	34.9	39.0	36.5	36.5	37.5	39.0	40.3	41.8	42.5	43.3	44.3
80°	29.6	30.1	30.6	31.7	32.7	34.2	35.4	36.7	37.0	37.2	37.7
82.5°	24.6	25.6	26.1	27.6	28.4	28.9	29.6	29.6	30.1	30.1	29.4
85°	17.7	19.0	19.8	20.0	19.8	20.0	20.3	20.8	22.0	22.0	21.0
87.5°	5.1	4.8	6.1	6.3	6.8	7.8	8.9	10.6	11.1	11.6	11.6
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°	478.8	478.8	478.8	478.8
2.5°	472.5	473.0	472.0	472.2
5°	465.4	466.4	465.1	466.7
7.5°	456.3	457.8	457.6	457.3
10°	443.1	445.1	445.1	445.9
12.5°	426.4	427.7	428.7	429.2
15°	403.9	406.2	407.4	407.4
17.5°	376.8	378.3	379.1	378.0
20°	342.3	341.8	342.1	339.6
22.5°	302.6	303.3	301.1	301.6
25°	263.6	262.3	263.3	261.8
27.5°	225.9	226.1	223.3	224.6
30°	189.9	188.6	185.1	186.9
32.5°	155.2	151.9	148.1	145.8
35°	122.6	117.5	115.7	115.0
37.5°	96.2	90.6	88.9	86.9
40°	76.5	74.4	73.7	74.2
42.5°	68.6	68.6	69.1	69.4
45°	66.6	67.4	68.1	68.4
47.5°	66.8	67.6	68.6	68.9
50°	67.4	68.1	68.9	69.1
52.5°	67.6	67.6	68.1	68.4
55°	67.1	66.8	67.1	67.4
57.5°	66.1	65.6	65.8	66.6
60°	65.6	64.8	65.3	65.8
62.5°	64.3	64.1	64.6	64.8
65°	61.5	61.8	62.5	62.5
67.5°	59.0	59.3	59.5	59.8
70°	56.0	56.2	56.7	57.0
72.5°	52.4	53.4	54.2	55.2
75°	49.6	50.6	52.2	53.2
77.5°	44.8	45.6	47.4	48.6
80°	38.0	37.7	38.0	38.7
82.5°	29.1	29.1	28.9	28.6
85°	20.5	20.3	19.5	19.5
87.5°	11.1	10.9	10.6	10.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)