

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: P180757

Luminaire Tested: **ICM-E01-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180757  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E01-LED-E1-SL4-HSS-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

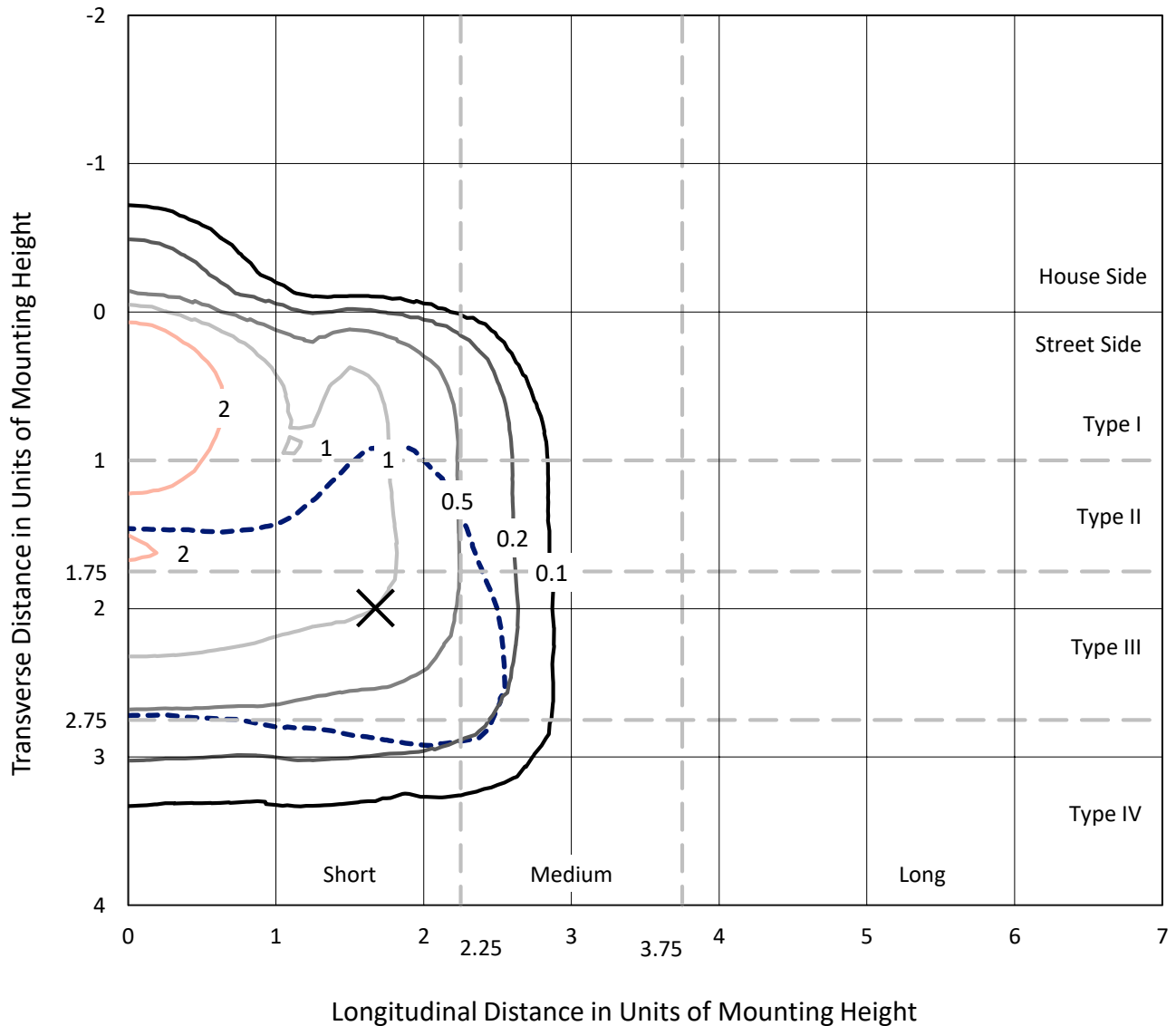
Lumens per Lamp: N/A  
Luminaire Lumens: 1728.8 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (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

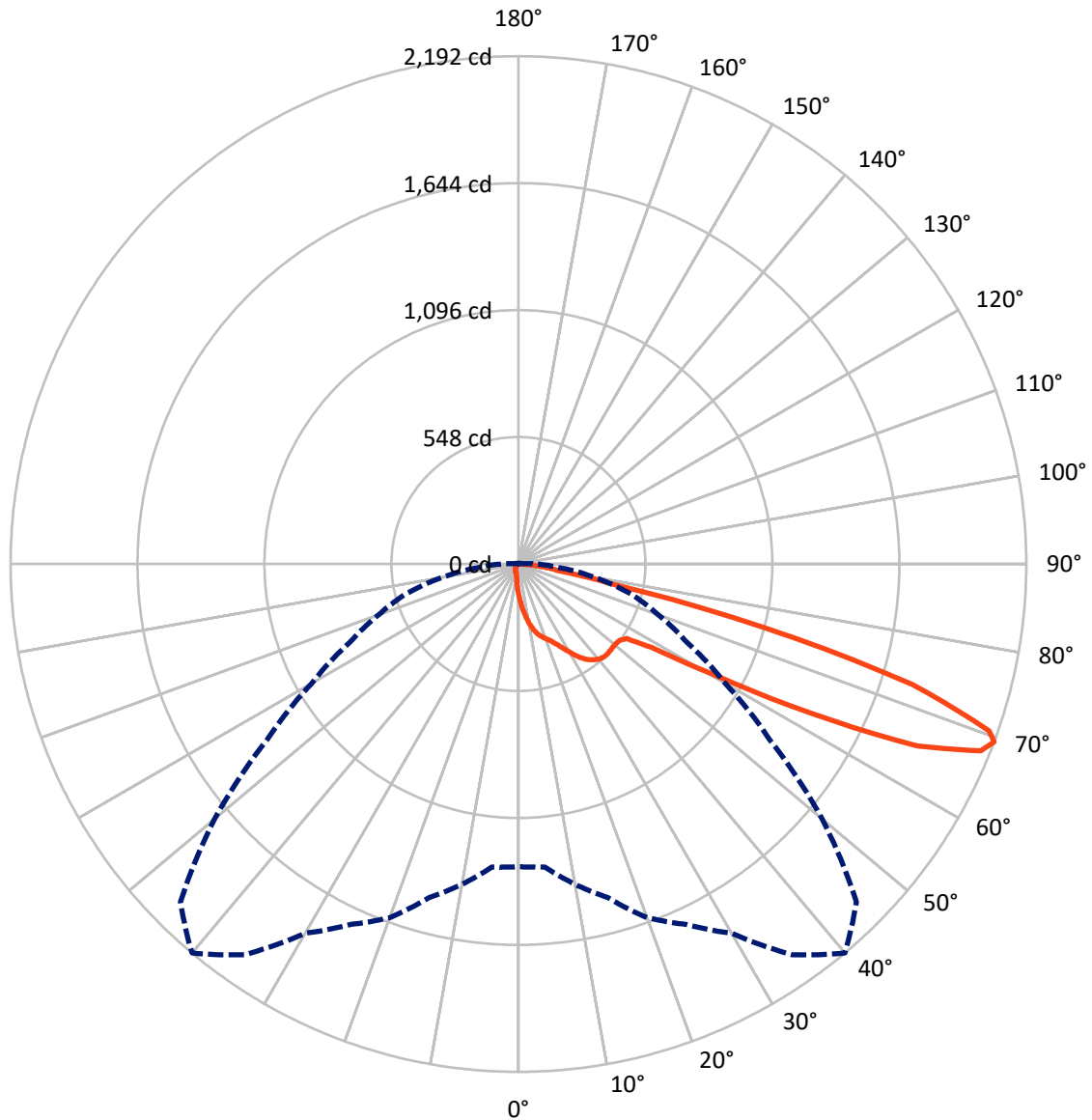
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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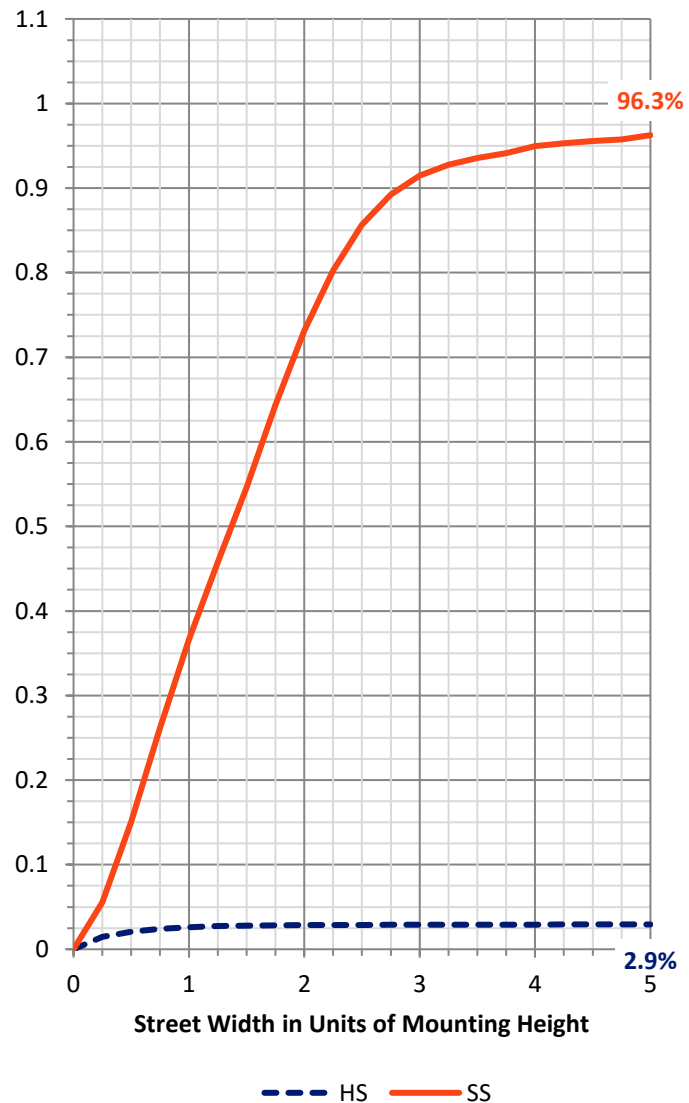
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	51.5	0.0	51.5
	% Fixture	3.0	0.0	3.0
<b>Street Side</b>	Lumens	1677.4	0.0	1677.4
	% Fixture	97.0	0.0	97.0
<b>Total</b>	Lumens	1728.8	0.0	1728.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.8
10°-20°	46.3	2.7
20°-30°	88.6	5.1
30°-40°	147.3	8.5
40°-50°	199.3	11.5
50°-60°	311.7	18.0
60°-70°	640.7	37.1
70°-80°	257.8	14.9
80°-90°	23.8	1.4
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°	1728.8	100.0
0°-180°	1728.8	100.0



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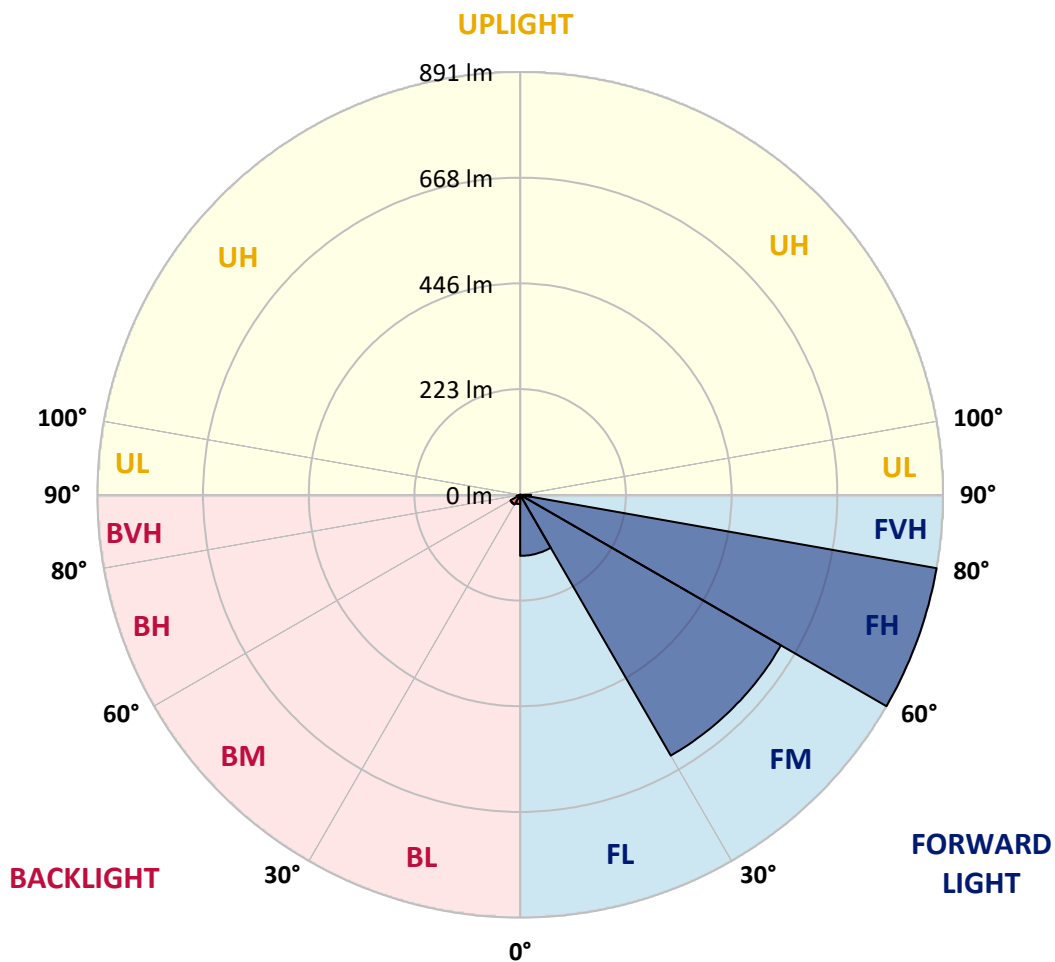
CATALOG NUMBER: ICM-E01-LED-E1-SL4-HSS-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.7	7.4			
FM (30°-60°)	634.7	36.7			
FH (60°-80°)	891.1	51.5			G1/1800
FVH (80°-90°)	23.0	1.3			G1/100
BL (0°-30°)	19.6	1.1	B0/110		
BM (30°-60°)	23.5	1.4	B0/220		
BH (60°-80°)	7.5	0.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6
2.5°	174.1	172.2	170.0	170.0	167.1	167.1	165.4	160.8	160.3	157.8	155.2
5°	222.3	220.7	217.8	215.3	212.9	209.0	206.1	200.8	194.9	189.2	184.1
7.5°	269.3	268.5	263.4	262.5	258.9	252.4	246.7	238.8	228.6	220.7	211.3
10°	312.9	311.0	309.9	305.0	299.6	292.6	283.8	274.1	262.2	249.8	236.5
12.5°	347.5	346.3	341.3	339.3	333.6	326.5	315.5	303.1	291.2	275.0	259.4
15°	373.3	371.3	367.9	364.7	358.0	351.7	341.6	328.0	313.5	296.0	277.3
17.5°	394.8	391.1	390.2	385.5	378.3	371.0	359.7	347.3	330.2	312.7	292.3
20°	423.7	418.6	416.9	409.8	401.6	391.4	378.3	362.8	344.9	325.7	304.7
22.5°	457.7	454.0	450.3	444.1	433.6	419.2	400.2	383.2	360.6	339.3	316.7
25°	505.8	502.7	496.7	488.3	475.3	458.0	435.0	410.0	383.4	356.3	329.7
27.5°	552.6	549.7	545.5	539.0	524.2	505.2	476.9	445.2	411.5	378.6	349.2
30°	596.5	593.9	589.7	583.2	570.1	551.4	519.4	485.4	443.5	405.3	369.9
32.5°	643.7	642.9	638.1	628.7	617.4	592.2	557.4	520.8	478.3	434.1	392.8
35°	697.3	690.8	686.2	676.8	657.6	630.7	590.0	550.0	505.2	459.9	413.8
37.5°	742.6	736.4	730.7	718.8	695.3	661.0	614.9	571.0	524.7	478.6	431.6
40°	775.7	772.6	765.8	750.2	723.9	683.1	633.3	585.4	539.0	492.5	446.0
42.5°	800.4	795.5	787.9	771.7	740.6	694.1	640.7	591.4	545.5	501.0	455.4
45°	809.4	805.5	798.3	780.8	747.1	697.3	640.4	589.7	545.8	503.5	461.7
47.5°	804.0	800.1	793.9	777.4	744.3	693.6	635.3	584.8	542.9	504.4	467.3
50°	786.2	783.9	779.1	765.2	735.5	686.5	630.7	582.2	542.3	508.7	475.3
52.5°	784.5	783.1	777.1	763.3	732.9	684.3	630.1	583.7	547.2	514.0	480.9
55°	958.7	938.5	893.5	855.3	792.5	717.7	658.8	606.6	567.5	535.3	512.0
57.5°	1362.5	1332.5	1273.3	1200.6	1056.1	914.2	800.7	718.5	678.1	663.3	672.1
60°	1551.7	1546.3	1537.0	1502.4	1428.5	1306.4	1170.5	1023.5	964.7	959.5	977.4
62.5°	1641.5	1638.1	1640.9	1636.7	1613.8	1578.1	1539.0	1475.5	1417.2	1379.5	1299.6
65°	1682.8	1685.1	1701.2	1714.0	1716.8	1726.2	1754.8	1833.8	1891.5	1794.4	1572.7
67.5°	1577.8	1591.1	1628.2	1674.6	1729.0	1781.7	1866.6	2033.1	2151.8	2037.7	1722.8
69°	1306.1	1312.7	1403.4	1490.8	1623.6	1716.6	1839.7	2058.1	2191.5	2062.6	1710.9
70°	1028.4	1034.3	1131.4	1250.3	1475.0	1594.5	1755.6	2015.9	2154.4	2029.5	1649.7
72.5°	463.9	455.4	489.7	553.4	797.5	987.3	1269.0	1633.3	1777.4	1625.9	1234.2
75°	324.0	320.3	324.0	324.3	362.2	467.3	589.7	885.3	1094.9	944.7	589.7
77.5°	250.9	248.4	245.9	243.0	247.5	277.3	289.1	314.0	407.8	385.8	224.8
80°	198.5	196.3	202.5	200.6	200.6	203.9	201.7	192.3	174.7	162.0	145.0
82.5°	92.4	92.9	92.9	100.8	121.5	141.9	148.4	139.1	123.4	105.1	84.7
85°	8.7	10.0	16.7	25.8	51.3	57.8	58.0	48.2	48.2	38.0	30.6
87.5°	0.0	0.3	0.3	0.3	2.5	7.1	6.0	1.7	0.8	0.8	1.4
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6
2.5°	150.7	149.9	146.4	143.0	139.9	136.5	133.4	130.2	126.9	124.4	121.2
5°	176.2	170.0	162.9	156.1	149.2	142.1	134.8	128.3	121.5	115.3	109.3
7.5°	202.0	189.8	180.1	167.9	156.9	145.9	135.6	125.2	115.5	106.5	98.0
10°	223.7	209.0	194.0	178.4	162.6	147.8	133.7	121.2	108.5	97.4	87.0
12.5°	241.6	222.9	204.5	184.9	167.1	148.4	130.9	115.8	100.8	88.4	77.6
15°	257.7	236.2	214.1	191.4	168.8	147.5	128.0	109.3	94.0	79.9	67.7
17.5°	270.8	246.1	221.2	195.7	171.3	146.4	124.4	104.7	87.0	72.2	60.3
20°	282.0	256.3	229.4	200.8	173.0	146.1	121.2	99.2	80.7	65.1	53.5
22.5°	292.6	266.8	237.9	207.4	175.6	145.9	118.4	94.9	75.3	59.7	48.2
25°	304.5	277.3	247.0	214.1	180.1	147.0	116.7	91.4	70.5	54.7	43.9
27.5°	317.8	289.1	257.7	222.6	186.0	149.2	116.1	87.8	66.2	49.9	40.5
30°	336.5	303.4	268.5	231.1	191.4	151.8	115.5	85.5	62.0	46.1	37.1
32.5°	352.8	317.2	280.4	239.9	197.4	154.3	115.3	82.4	58.0	42.5	34.5
35°	370.1	330.0	290.6	248.4	202.5	157.2	115.0	80.2	54.4	38.8	32.0
37.5°	385.2	340.7	298.5	255.7	208.2	159.7	115.3	78.1	51.0	35.7	29.8
40°	398.0	351.7	307.3	262.5	214.1	163.7	115.5	76.2	47.5	32.8	27.7
42.5°	409.2	362.2	316.7	270.1	220.9	168.2	117.2	74.5	44.7	30.3	25.8
45°	418.0	371.8	326.8	280.9	231.9	175.6	120.4	73.4	42.0	28.0	24.1
47.5°	427.1	386.0	344.1	298.0	248.1	187.2	125.8	73.0	39.6	26.3	22.7
50°	439.5	400.2	359.4	315.3	262.8	199.1	132.3	73.4	36.8	24.7	21.2
52.5°	448.6	414.6	379.3	345.2	298.0	235.4	157.5	78.4	35.4	23.3	19.5
55°	502.1	496.2	497.0	502.7	466.1	400.5	263.4	113.3	41.7	26.3	19.3
57.5°	708.0	729.0	741.1	740.8	680.6	564.5	353.8	145.6	46.4	30.6	23.0
60°	978.8	962.9	940.6	885.3	805.2	644.3	395.6	156.7	40.2	24.4	20.9
62.5°	1218.1	1125.2	1042.8	953.3	848.2	672.1	404.2	155.7	35.2	18.4	14.7
65°	1367.4	1200.3	1067.2	955.0	831.3	648.8	382.3	143.0	29.8	15.0	12.2
67.5°	1403.0	1159.7	971.4	828.4	694.4	504.9	280.7	107.6	23.3	12.5	10.8
69°	1325.1	1030.9	804.8	642.6	505.2	335.1	173.6	68.0	17.9	11.3	10.0
70°	1219.0	896.7	655.6	515.7	374.1	235.4	121.5	47.9	14.4	10.5	9.0
72.5°	784.2	471.0	322.3	224.3	154.3	93.8	47.5	21.5	11.1	8.7	7.3
75°	304.2	174.1	126.3	96.0	75.1	52.1	28.9	13.9	9.3	7.3	5.7
77.5°	149.9	114.7	93.8	64.3	37.4	23.3	15.5	10.8	7.6	5.4	3.7
80°	118.4	78.7	47.0	29.2	22.0	16.7	11.9	8.7	5.7	3.4	2.5
82.5°	60.7	33.1	24.4	19.8	16.5	13.0	9.7	6.2	3.7	2.2	2.0
85°	19.0	13.9	12.5	12.2	11.3	9.3	6.8	4.0	2.2	1.4	1.4
87.5°	1.4	2.0	2.5	2.0	2.2	2.0	2.5	1.7	1.1	1.1	0.8
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6
2.5°	119.0	115.5	112.5	110.4	106.8	105.4	103.9	103.3	100.8	101.4	99.2
5°	103.9	98.0	93.5	88.9	84.7	81.6	79.0	75.9	73.4	72.2	70.0
7.5°	90.3	82.7	76.7	71.9	66.9	62.9	59.4	57.2	55.0	52.7	51.5
10°	78.4	70.2	63.4	58.6	53.8	50.4	47.9	46.1	44.7	43.9	43.6
12.5°	67.4	59.4	53.2	49.0	45.3	43.6	42.5	41.7	41.3	41.0	41.0
15°	58.9	51.0	46.1	43.1	41.3	40.5	40.2	39.6	39.1	38.8	38.8
17.5°	51.0	45.0	41.7	39.9	39.1	38.5	38.0	37.4	36.8	36.6	36.6
20°	45.6	40.7	39.1	38.0	37.1	36.6	35.7	35.2	34.8	34.5	34.2
22.5°	41.3	38.2	37.1	36.3	35.2	34.2	33.7	33.1	32.6	32.3	32.0
25°	38.2	36.3	35.4	34.2	33.1	32.3	31.4	30.6	30.0	29.8	29.2
27.5°	36.0	34.5	33.4	32.0	30.9	30.0	29.2	28.3	27.7	27.2	26.9
30°	34.0	32.6	31.2	30.0	28.6	27.7	26.6	25.8	25.5	24.9	24.4
32.5°	32.0	30.6	29.2	27.7	26.3	25.2	24.7	23.5	23.0	22.7	22.0
35°	29.8	28.3	26.6	25.5	24.1	23.0	22.0	21.2	20.7	20.1	19.8
37.5°	27.7	26.0	24.4	23.0	21.8	20.7	19.8	19.0	18.4	17.9	17.6
40°	25.5	23.8	22.0	20.7	19.5	18.7	17.9	17.0	16.5	16.2	16.2
42.5°	23.5	21.5	19.8	18.7	17.9	16.7	15.8	15.0	14.7	14.4	14.7
45°	21.5	19.5	18.1	17.0	16.2	15.0	14.1	13.6	13.3	13.6	13.9
47.5°	19.8	17.9	16.5	15.5	14.7	13.9	13.0	12.5	12.5	13.0	13.6
50°	18.1	16.2	15.0	14.4	13.6	12.7	11.6	11.3	11.6	12.2	12.7
52.5°	16.5	14.1	13.3	13.0	12.2	11.3	10.5	10.2	10.5	11.1	10.8
55°	14.7	12.5	12.2	11.9	11.1	10.0	9.0	9.0	9.0	8.7	8.2
57.5°	14.1	11.1	10.8	10.5	9.7	8.5	7.9	7.3	7.1	6.2	6.0
60°	14.7	10.0	10.0	9.3	8.5	7.3	6.5	5.7	5.1	4.6	4.6
62.5°	11.9	9.0	8.7	8.2	7.1	6.0	5.1	4.3	4.0	3.7	3.7
65°	9.7	8.2	7.6	6.8	6.0	4.8	4.0	3.4	3.1	3.1	3.4
67.5°	8.7	7.3	6.5	5.7	4.8	3.7	3.1	2.8	2.8	3.1	3.1
69°	8.2	6.8	6.0	5.1	4.3	3.4	2.8	2.8	2.8	2.8	3.1
70°	7.6	6.5	5.7	4.8	3.7	2.8	2.5	2.5	2.8	2.8	3.1
72.5°	6.0	5.1	4.8	4.0	2.8	2.5	2.2	2.5	2.5	2.8	2.8
75°	4.6	3.7	3.7	3.1	2.2	2.0	2.0	2.2	2.2	2.5	2.5
77.5°	3.1	2.5	2.5	2.2	2.0	1.7	1.7	2.0	2.2	2.2	2.5
80°	2.2	2.0	1.7	2.0	1.7	1.4	1.7	2.0	2.0	2.2	2.2
82.5°	1.7	1.7	1.7	1.7	1.4	1.4	1.7	1.7	2.0	2.2	2.2
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7	1.7	2.0	2.0
87.5°	0.8	0.8	0.8	1.1	1.1	1.4	1.4	1.4	1.4	1.7	1.7
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°	130.6	130.6	130.6	130.6
2.5°	98.5	98.2	97.1	97.4
5°	69.1	67.4	68.6	68.3
7.5°	50.7	50.4	50.1	50.7
10°	43.3	43.3	43.1	43.3
12.5°	40.7	40.7	40.7	40.7
15°	38.8	38.8	38.5	38.5
17.5°	36.6	36.6	36.6	36.3
20°	34.2	34.0	34.0	34.0
22.5°	31.7	31.4	31.4	31.4
25°	29.2	28.9	28.9	28.9
27.5°	26.6	26.3	26.0	26.0
30°	24.1	23.8	23.5	23.5
32.5°	21.5	21.2	20.9	20.9
35°	19.3	19.3	19.0	18.7
37.5°	17.3	17.3	17.3	17.3
40°	15.8	16.2	16.2	16.2
42.5°	15.0	15.3	15.5	15.8
45°	14.4	15.0	15.3	15.3
47.5°	14.1	14.4	14.7	14.7
50°	13.0	12.7	12.7	12.7
52.5°	10.5	10.0	9.7	9.3
55°	7.6	7.3	6.8	6.8
57.5°	5.4	5.4	5.1	5.1
60°	4.3	4.3	4.0	4.3
62.5°	3.7	3.7	3.7	3.7
65°	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4
69°	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1
72.5°	2.8	2.8	2.8	2.8
75°	2.5	2.8	2.8	2.8
77.5°	2.5	2.5	2.5	2.5
80°	2.2	2.2	2.5	2.5
82.5°	2.2	2.2	2.2	2.2
85°	2.0	2.0	2.2	2.2
87.5°	1.7	1.7	2.0	2.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)