

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: P180618

Luminaire Tested: **ICS-E01-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180618  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
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-SL3-HSS  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

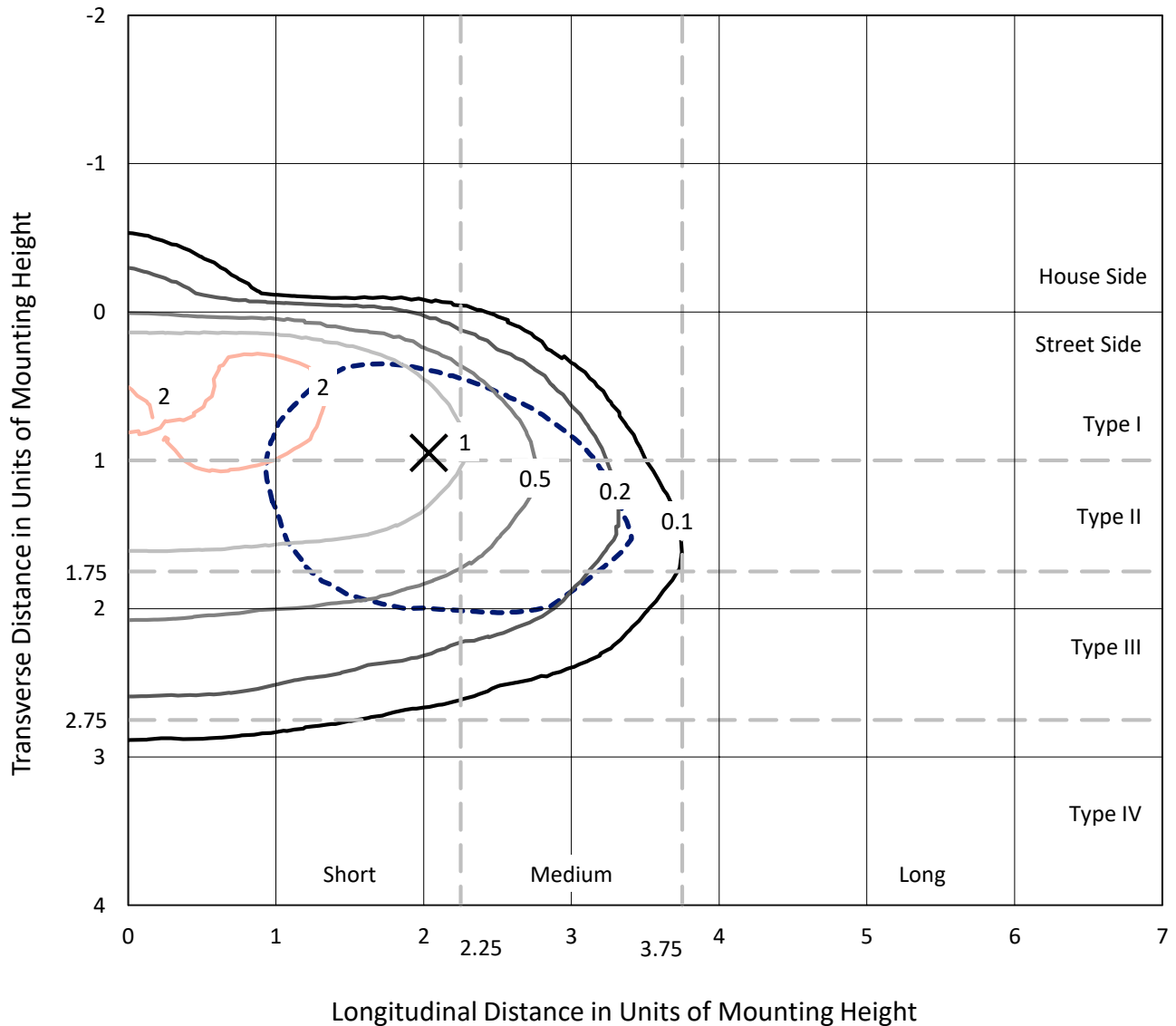
Lumens per Lamp: N/A  
Luminaire Lumens: 1560.5 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 24.7  
Input Voltage (V): NR  
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

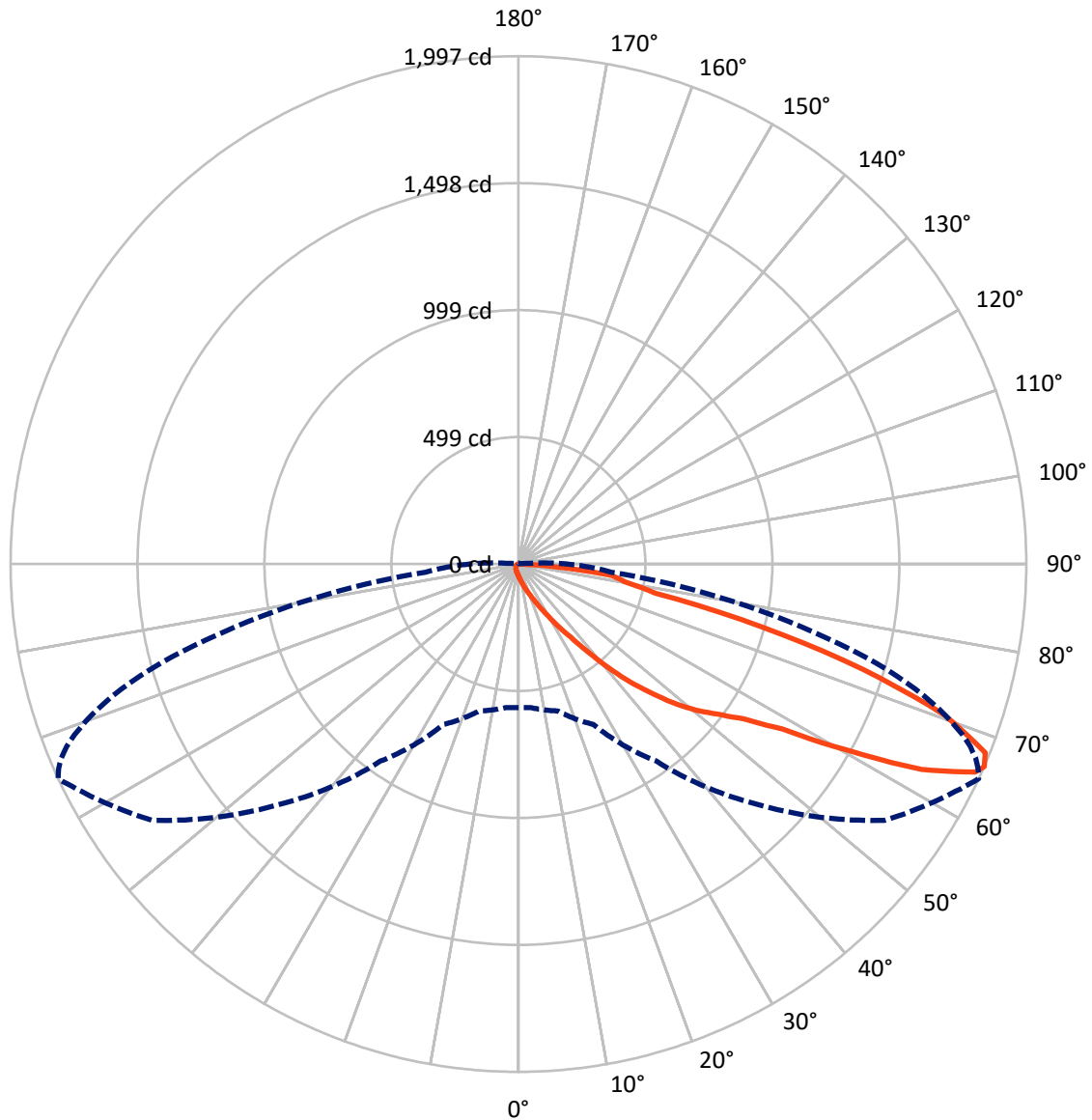
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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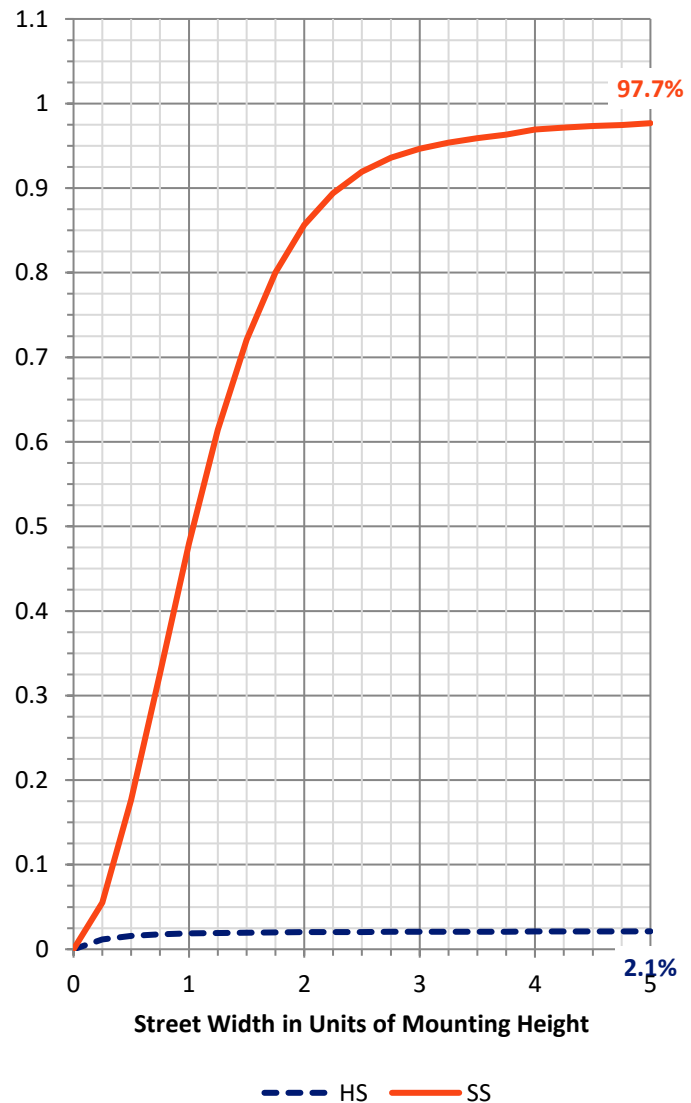
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	33.8	0.0	33.8
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	1526.7	0.0	1526.7
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	1560.5	0.0	1560.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	0.3
10°-20°	22.4	1.4
20°-30°	48.2	3.1
30°-40°	103.0	6.6
40°-50°	227.7	14.6
50°-60°	385.9	24.7
60°-70°	515.0	33.0
70°-80°	226.9	14.5
80°-90°	26.1	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°	1560.5	100.0
0°-180°	1560.5	100.0

**Coefficient of Utilization**



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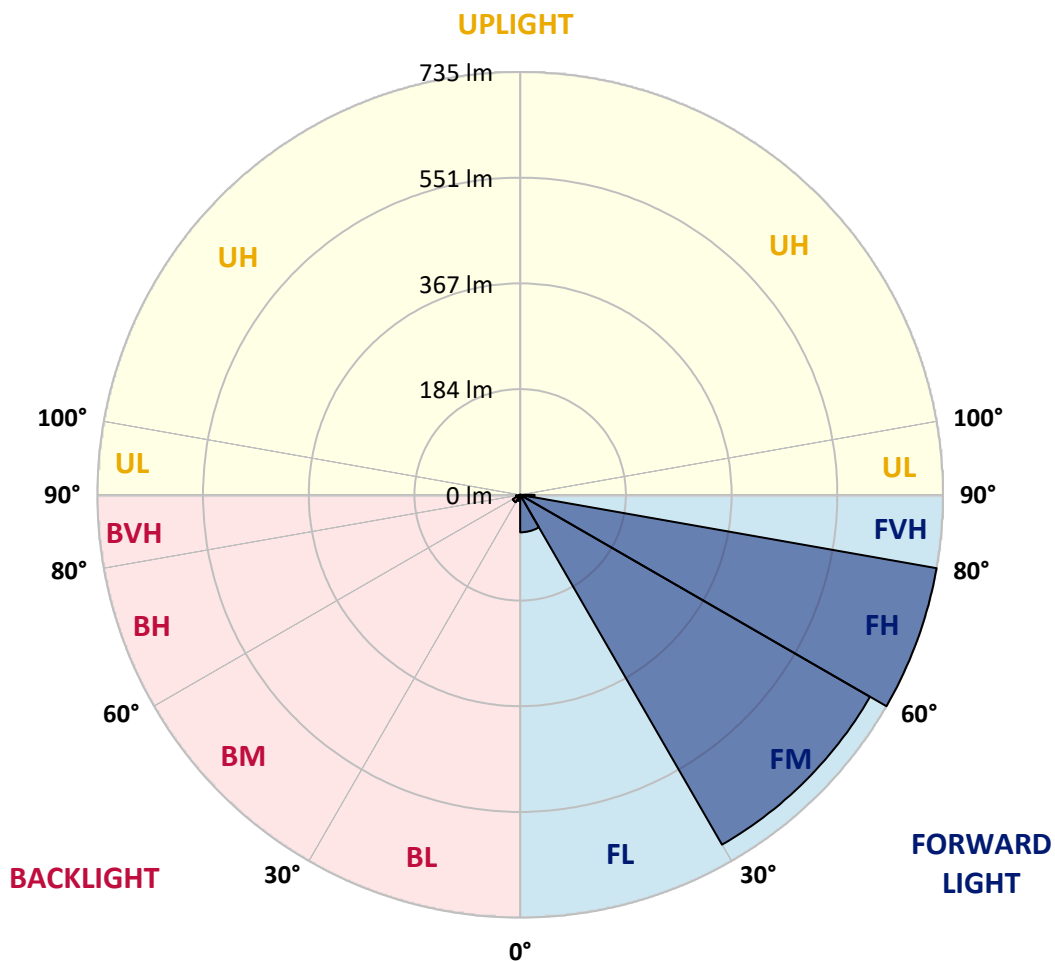
CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.2	4.2			
FM	(30°-60°)	701.8	45.0			
FH	(60°-80°)	734.6	47.1			G1/1800
FVH	(80°-90°)	25.1	1.6			G1/100
BL	(0°-30°)	10.7	0.7	B0/110		
BM	(30°-60°)	14.8	1.0	B0/220		
BH	(60°-80°)	7.3	0.5	B0/110		G0/110
BVH	(80°-90°)	1.0	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2.5°	59.4	59.1	57.9	57.9	56.1	54.9	53.4	51.9	51.9	51.6	51.3
5°	78.6	76.8	76.5	73.2	70.5	66.6	63.0	58.2	57.6	57.0	56.7
7.5°	99.9	99.6	96.9	93.0	87.6	80.4	73.2	65.4	64.2	63.6	62.4
10°	127.5	126.0	122.4	115.8	107.7	98.1	86.4	74.1	72.6	71.4	70.8
12.5°	153.9	151.2	149.1	140.7	130.5	116.4	102.3	84.6	83.4	81.9	79.5
15°	178.5	176.1	172.5	165.3	153.9	136.2	119.7	98.1	95.1	93.0	91.2
17.5°	197.7	196.2	192.0	183.9	171.6	156.0	136.2	111.9	109.5	106.8	103.5
20°	216.0	213.9	207.3	196.2	183.0	171.0	155.7	129.9	126.6	123.3	119.7
22.5°	233.4	231.3	220.5	202.2	188.1	183.0	177.6	150.3	145.2	142.5	138.9
25°	257.7	253.2	236.4	207.3	188.4	192.3	201.6	176.7	171.9	168.0	162.3
27.5°	290.4	284.4	258.0	214.8	189.6	202.5	229.2	208.8	203.7	199.2	192.9
30°	327.3	323.4	291.9	232.8	198.3	217.5	260.1	249.6	243.6	238.2	230.7
32.5°	364.5	359.1	327.9	267.0	221.7	246.6	298.8	297.0	289.2	284.1	276.0
35°	397.2	394.5	371.4	323.1	275.1	297.6	350.4	352.5	345.6	340.2	331.2
37.5°	419.4	419.4	414.9	383.4	360.0	376.8	426.3	426.6	419.7	407.4	402.9
40°	430.8	434.1	450.3	456.3	455.1	476.7	525.9	520.5	514.8	508.5	493.5
42.5°	454.2	457.2	491.7	533.1	560.1	588.6	622.5	620.7	613.8	602.4	588.6
45°	493.8	497.7	538.8	604.5	660.0	700.5	722.1	713.7	706.8	696.0	688.8
47.5°	544.2	551.7	598.2	679.5	746.4	813.3	835.8	813.6	807.6	799.2	787.5
50°	597.9	605.1	654.6	747.6	823.2	903.0	940.6	903.0	894.3	891.6	878.4
52.5°	644.4	650.4	698.1	800.1	882.0	975.7	1030.3	980.8	974.5	965.5	955.9
55°	672.0	676.8	721.5	825.3	922.0	1041.1	1117.0	1073.5	1064.2	1060.6	1046.8
57.5°	681.3	686.1	726.3	828.6	943.6	1100.8	1222.3	1223.8	1212.7	1199.8	1195.6
60°	681.3	686.7	720.6	820.5	964.6	1164.4	1362.7	1487.8	1463.8	1461.4	1446.1
62.5°	653.1	658.2	692.4	795.6	992.8	1250.2	1558.3	1779.1	1772.2	1756.6	1731.4
65°	591.9	594.9	628.5	732.0	982.0	1329.1	1727.8	1972.9	1961.8	1931.2	1898.8
66°	564.3	566.7	598.2	695.7	946.6	1339.9	1757.8	1997.2	1978.9	1953.1	1916.5
67.5°	524.4	528.6	550.8	628.2	861.6	1302.4	1738.9	1980.1	1964.2	1933.0	1896.4
70°	350.1	347.1	425.4	482.1	656.4	1061.2	1560.1	1777.9	1778.2	1763.5	1748.8
72.5°	166.2	168.0	190.8	296.7	429.6	708.9	1241.8	1419.1	1439.5	1413.1	1394.8
75°	119.4	122.1	135.9	181.5	256.2	425.4	804.9	992.5	993.1	946.3	904.5
77.5°	34.8	36.3	51.0	111.9	192.0	287.1	462.3	551.7	538.8	505.2	473.7
80°	14.4	14.4	15.0	35.7	77.1	195.0	323.4	424.8	423.3	410.4	391.8
82.5°	5.4	5.7	7.2	14.7	18.3	48.0	215.7	368.7	367.8	349.5	336.3
85°	0.6	0.6	1.8	6.3	6.9	9.0	43.2	162.6	161.7	162.6	142.5
87.5°	0.0	0.0	0.3	0.6	0.9	1.2	1.8	6.3	6.9	6.6	6.0
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2.5°	51.3	50.7	50.7	50.4	50.4	50.4	50.1	49.8	49.8	49.5	49.2
5°	56.1	55.5	55.2	54.6	54.3	54.0	53.4	53.1	52.5	52.2	51.9
7.5°	61.8	60.6	60.3	59.4	58.5	57.9	57.3	56.4	55.8	54.6	54.3
10°	69.0	67.5	66.3	65.1	64.2	62.7	61.8	60.6	59.4	58.5	57.6
12.5°	78.3	76.2	74.4	73.2	71.1	69.3	67.5	66.6	64.2	63.0	61.5
15°	88.5	86.1	84.0	81.6	80.1	77.1	74.7	72.0	70.8	68.7	66.3
17.5°	101.7	97.8	94.5	92.1	89.1	86.1	83.4	80.7	77.1	74.7	71.7
20°	115.8	112.5	108.0	103.8	100.2	96.6	92.7	89.1	85.8	81.9	78.3
22.5°	133.8	129.0	123.6	119.4	114.6	110.7	105.3	100.5	95.1	90.0	85.8
25°	156.6	150.3	145.2	139.2	133.5	127.5	120.9	114.9	108.0	103.2	96.0
27.5°	184.8	178.8	171.9	164.1	158.4	149.4	140.7	133.2	125.1	117.6	109.5
30°	220.8	212.1	204.9	197.4	186.0	177.3	167.1	156.9	145.8	138.3	126.0
32.5°	264.0	254.7	243.9	233.1	222.6	210.3	197.7	185.1	172.8	159.0	146.4
35°	316.8	305.7	293.4	281.7	265.5	252.3	236.4	219.0	205.2	189.3	173.4
37.5°	386.7	368.4	357.6	345.3	323.4	305.4	287.7	270.3	246.0	229.2	206.7
40°	474.3	463.5	445.8	426.0	406.2	382.5	358.5	335.4	307.2	283.8	257.7
42.5°	577.2	561.3	543.3	514.8	494.7	466.8	439.5	408.9	374.4	344.4	313.8
45°	673.8	654.9	641.1	612.6	591.6	558.6	525.6	493.2	453.3	414.6	379.2
47.5°	778.2	762.6	739.8	716.7	695.4	658.2	622.5	583.2	541.2	495.3	449.4
50°	870.0	857.7	842.1	814.2	790.5	759.3	717.3	674.4	621.3	575.7	523.5
52.5°	948.1	938.5	916.5	896.7	875.4	846.0	808.5	767.4	710.1	660.0	600.6
55°	1040.2	1033.3	1014.1	1001.8	982.9	954.7	919.6	881.4	820.8	766.2	699.0
57.5°	1191.1	1185.7	1168.9	1163.8	1145.2	1120.6	1077.4	1036.6	965.8	897.9	821.1
60°	1441.0	1430.2	1405.6	1393.0	1353.7	1320.7	1264.6	1208.5	1123.0	1036.6	944.2
62.5°	1708.6	1678.3	1631.5	1591.3	1535.5	1478.2	1403.2	1317.4	1217.2	1114.6	1008.4
65°	1852.9	1801.3	1742.2	1678.3	1606.0	1521.7	1427.2	1324.3	1216.6	1108.3	996.1
66°	1869.4	1811.2	1748.5	1677.4	1597.0	1507.3	1411.3	1303.3	1191.4	1085.8	973.6
67.5°	1848.7	1787.8	1721.5	1642.6	1555.6	1462.6	1361.8	1249.6	1141.9	1034.8	925.6
70°	1703.8	1643.2	1584.1	1501.0	1408.3	1314.7	1219.3	1093.9	991.9	893.4	796.2
72.5°	1360.6	1319.5	1261.0	1189.9	1099.6	989.8	910.2	798.0	709.5	614.1	538.8
75°	850.2	792.3	720.0	629.4	560.4	471.3	424.8	339.6	289.2	245.1	202.5
77.5°	434.7	391.2	340.5	289.5	240.6	192.0	148.5	105.0	70.8	49.2	36.6
80°	359.1	320.7	278.7	232.2	189.0	146.7	105.6	72.0	45.9	30.0	23.4
82.5°	296.7	264.3	226.8	183.6	146.1	115.2	80.1	52.2	32.4	21.0	16.5
85°	126.3	114.6	88.5	70.2	52.8	39.0	27.3	18.3	12.9	10.5	9.6
87.5°	5.4	6.0	5.7	4.5	3.3	3.3	3.0	2.4	2.4	2.4	2.4
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2.5°	49.2	48.9	48.6	48.6	48.3	48.0	46.2	44.7	42.9	41.7	40.5
5°	51.3	51.0	50.4	50.1	49.5	49.2	45.3	42.0	39.3	37.2	35.7
7.5°	53.4	53.1	52.2	51.3	51.0	50.4	44.1	39.9	36.3	33.9	32.4
10°	56.1	55.2	54.3	53.1	52.2	51.3	42.9	37.5	33.6	31.5	30.0
12.5°	60.0	58.5	57.0	55.5	54.3	52.8	42.3	35.4	31.5	29.1	27.6
15°	64.5	62.4	60.6	58.8	56.7	55.2	41.1	33.6	29.7	27.3	25.5
17.5°	68.7	66.3	63.6	60.9	58.8	56.7	39.9	31.8	27.9	25.5	23.7
20°	74.7	71.1	67.8	64.5	61.5	58.8	38.1	30.0	26.4	23.7	21.9
22.5°	81.3	77.1	72.9	68.4	64.5	60.9	36.6	28.5	24.9	22.2	20.1
25°	89.7	84.6	78.9	73.2	68.7	63.9	35.1	27.0	23.4	20.7	18.6
27.5°	101.4	94.2	87.9	80.7	73.8	68.4	33.9	25.8	21.9	19.2	17.1
30°	117.3	106.8	96.9	89.1	81.0	73.2	32.7	24.3	20.7	17.7	15.3
32.5°	135.0	122.7	111.3	99.6	89.4	80.4	31.5	23.1	19.2	16.2	14.1
35°	156.9	141.3	126.0	112.5	100.2	88.2	30.3	21.9	18.0	14.7	12.6
37.5°	188.4	168.9	148.8	131.4	115.5	99.6	29.4	20.7	16.5	13.2	11.1
40°	231.6	206.4	181.8	158.1	137.4	117.6	28.2	19.5	15.3	12.0	9.9
42.5°	278.4	247.8	215.4	188.7	160.2	135.3	27.0	18.3	14.1	10.8	8.7
45°	336.6	298.5	259.2	222.9	188.1	156.0	25.8	17.1	12.6	9.6	7.5
47.5°	400.2	351.6	307.2	261.6	220.2	181.8	24.3	16.2	11.4	8.4	6.6
50°	465.6	414.3	358.2	306.3	257.1	207.6	22.8	14.7	10.2	7.5	5.4
52.5°	536.1	475.5	418.2	353.7	296.4	241.5	21.3	13.5	9.3	6.6	4.5
55°	625.8	558.0	490.8	418.5	349.5	280.8	19.8	12.0	8.1	5.7	3.6
57.5°	738.6	658.2	575.7	494.1	410.4	332.4	18.6	10.5	6.9	4.8	3.0
60°	845.1	751.2	651.3	557.4	462.9	372.0	16.8	9.3	6.0	3.9	3.0
62.5°	900.3	793.2	685.5	582.0	481.2	386.1	15.0	7.8	5.1	3.3	2.7
65°	886.8	777.6	673.2	568.8	470.1	377.1	13.2	6.9	4.5	3.0	2.7
66°	867.3	759.3	654.3	555.0	460.8	367.5	12.3	6.6	4.2	3.0	2.4
67.5°	824.7	720.3	620.1	527.7	435.3	349.2	11.1	6.0	3.9	2.7	2.4
70°	704.4	609.6	529.5	447.3	372.0	294.3	9.0	5.1	3.3	2.4	2.4
72.5°	466.2	401.7	348.3	299.7	250.5	194.4	7.5	4.2	2.7	2.4	2.1
75°	175.8	159.0	136.5	122.7	107.1	93.9	6.0	2.7	2.1	2.1	2.1
77.5°	31.2	28.8	25.5	23.4	21.6	19.8	4.8	1.8	1.8	2.1	2.1
80°	21.0	19.5	17.7	16.2	15.0	13.5	3.3	1.5	1.8	1.8	2.1
82.5°	15.0	14.1	13.2	12.0	11.1	9.9	2.1	1.5	1.8	1.8	1.8
85°	9.0	8.4	7.8	7.2	6.3	6.0	1.5	1.5	1.5	1.8	1.8
87.5°	2.4	2.1	2.4	2.4	1.8	2.1	1.2	1.2	1.2	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):**

	145°	155°	165°	175°	180°
0°	47.1	47.1	47.1	47.1	47.1
2.5°	39.9	39.9	39.3	40.2	40.2
5°	34.5	34.5	34.2	34.5	34.5
7.5°	31.5	31.2	31.2	31.2	31.5
10°	28.8	28.5	28.5	28.5	28.5
12.5°	26.4	26.1	25.8	26.1	26.1
15°	24.3	23.7	23.7	23.7	23.7
17.5°	22.5	21.9	21.6	21.6	21.6
20°	20.7	19.8	19.8	19.8	19.8
22.5°	18.9	18.0	18.0	18.0	18.0
25°	17.1	16.2	16.2	16.2	16.2
27.5°	15.6	14.7	14.7	14.7	14.7
30°	13.8	13.2	13.2	13.5	13.2
32.5°	12.6	11.7	11.7	12.0	12.0
35°	11.1	10.5	10.5	10.5	10.5
37.5°	9.6	9.0	9.0	9.0	9.0
40°	8.4	7.8	7.5	7.8	7.8
42.5°	7.2	6.6	6.3	6.3	6.3
45°	6.3	5.4	5.1	5.4	5.4
47.5°	5.1	4.5	4.5	4.8	4.8
50°	3.9	3.9	4.2	4.8	4.8
52.5°	3.6	3.6	4.2	4.8	4.8
55°	3.3	3.6	4.2	4.5	4.8
57.5°	3.0	3.6	4.2	4.5	4.5
60°	3.0	3.3	3.9	4.5	4.5
62.5°	2.7	3.0	3.6	4.2	4.2
65°	2.7	3.0	3.6	4.2	4.2
66°	2.7	3.0	3.6	4.2	4.2
67.5°	2.7	3.0	3.6	4.2	4.2
70°	2.7	3.0	3.6	3.9	3.9
72.5°	2.4	2.7	3.3	3.9	3.9
75°	2.4	2.7	3.3	3.9	3.9
77.5°	2.4	2.7	3.3	3.9	3.9
80°	2.4	2.7	3.3	3.6	3.9
82.5°	2.1	2.7	3.0	3.6	3.6
85°	2.1	2.4	3.0	3.3	3.6
87.5°	1.8	2.1	2.4	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)