

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: P181407

Luminaire Tested: **ICS-E04-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181407  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E04-LED-E1-T3-HSS-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (84) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4953.8 lumens  
Efficiency: N/A  
Efficacy: 51.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

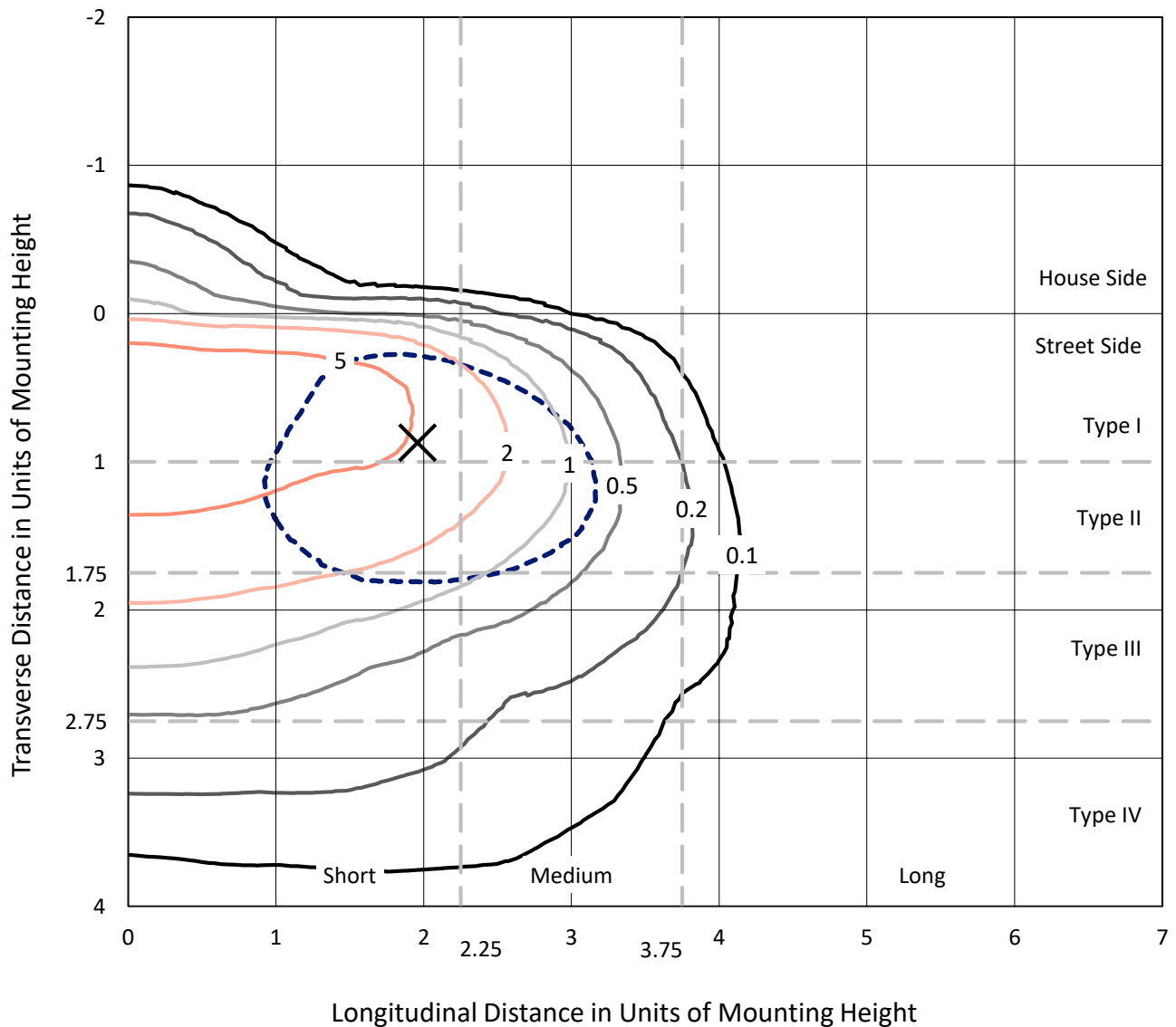
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

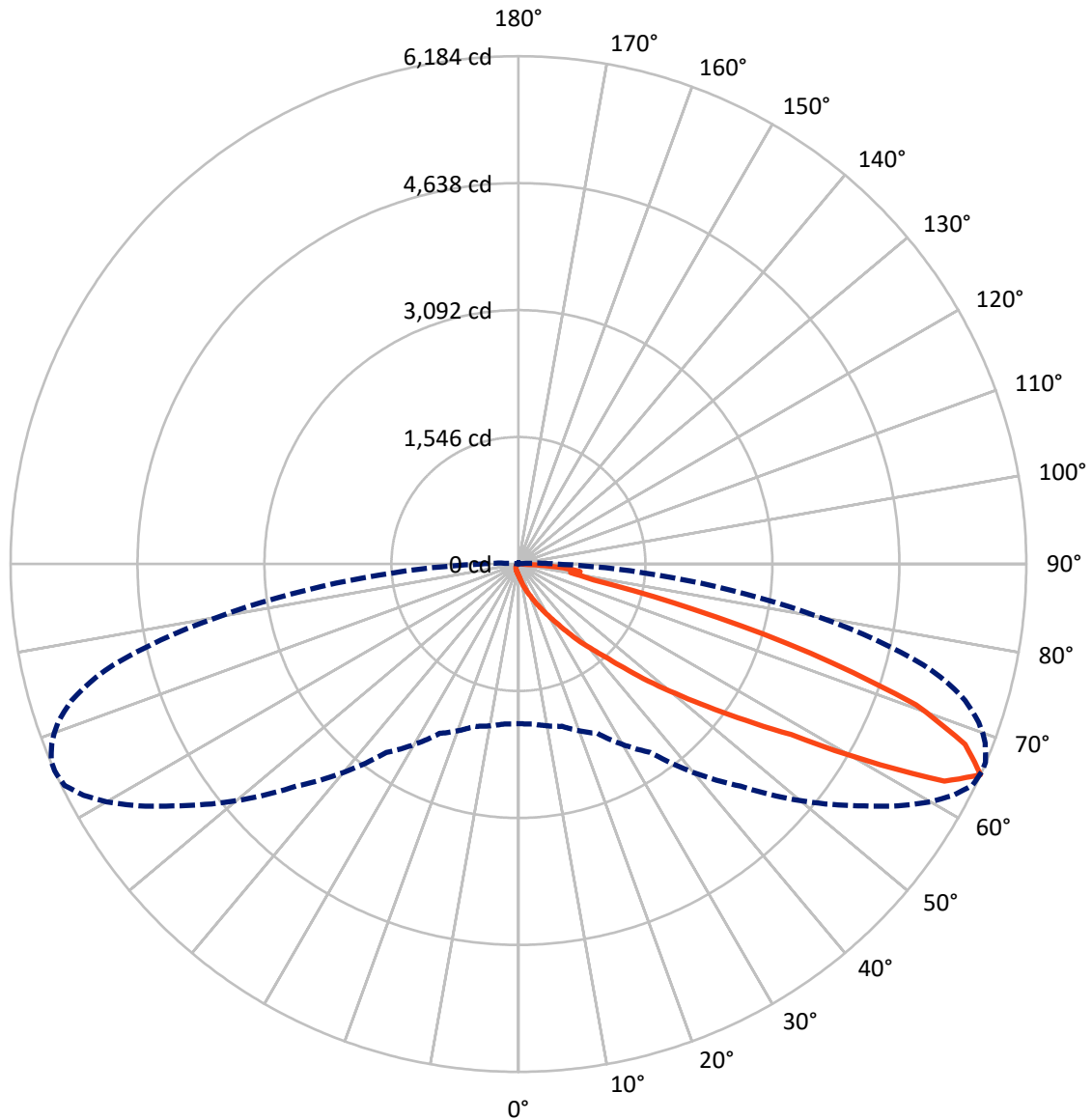
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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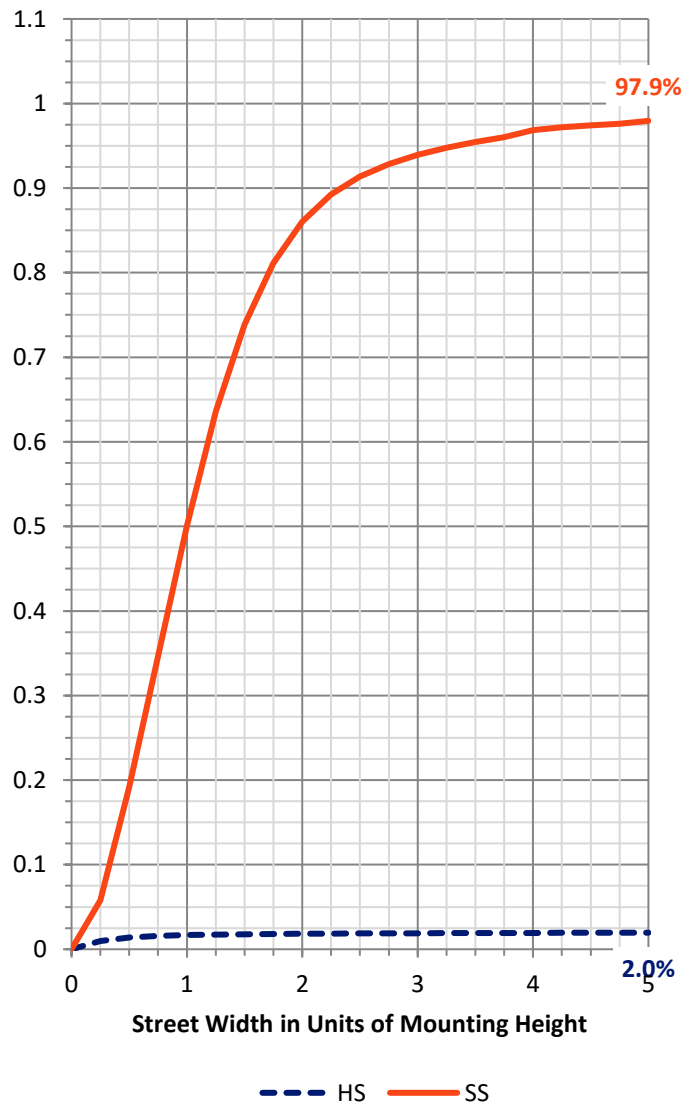
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	99.5	0.0	99.5
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	4854.3	0.0	4854.3
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	4953.8	0.0	4953.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.9	0.3
10°-20°	80.5	1.6
20°-30°	184.0	3.7
30°-40°	350.1	7.1
40°-50°	702.6	14.2
50°-60°	1243.2	25.1
60°-70°	1624.4	32.8
70°-80°	667.9	13.5
80°-90°	84.1	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°	4953.8	100.0
0°-180°	4953.8	100.0



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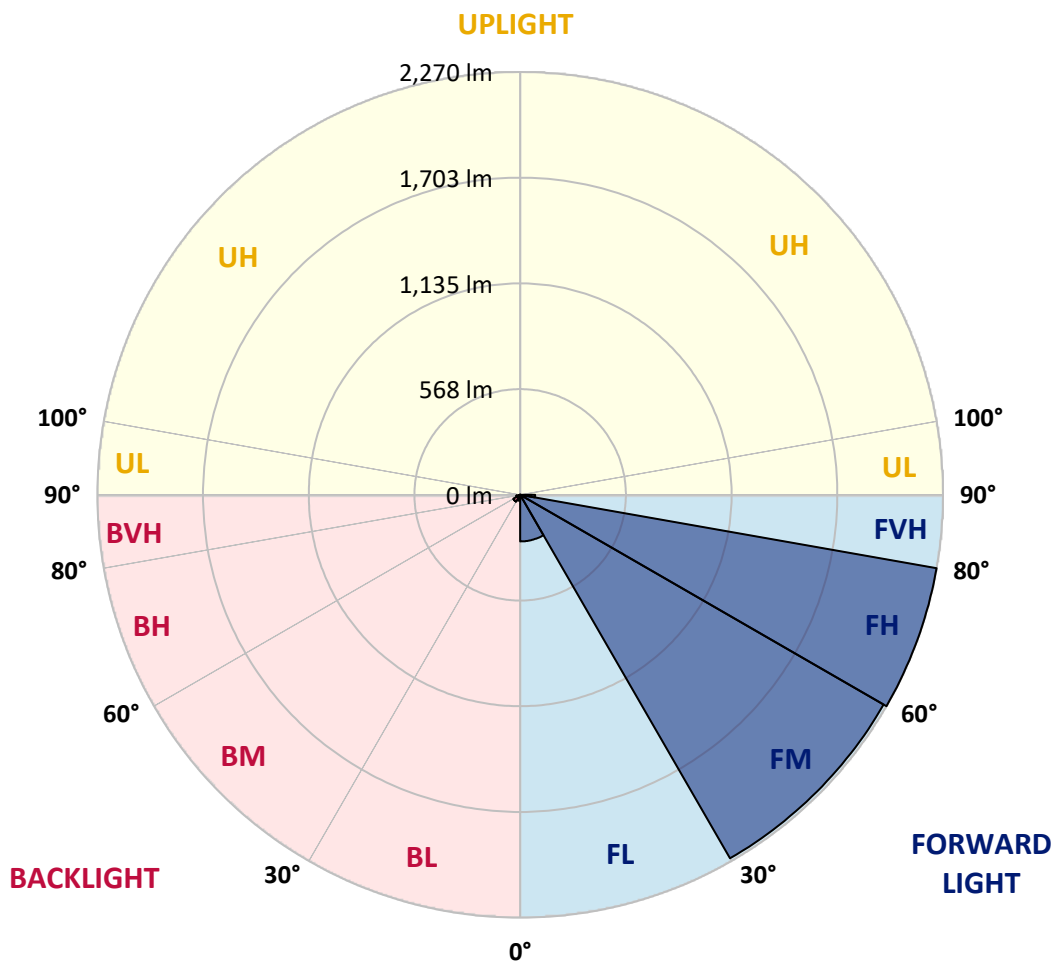
CATALOG NUMBER: ICS-E04-LED-E1-T3-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.3	5.1			
FM	(30°-60°)	2253.3	45.5			
FH	(60°-80°)	2270.3	45.8			G2/5000
FVH	(80°-90°)	80.4	1.6			G1/100
BL	(0°-30°)	31.1	0.6	B0/110		
BM	(30°-60°)	42.6	0.9	B0/220		
BH	(60°-80°)	22.0	0.4	B0/110		G0/110
BVH	(80°-90°)	3.8	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2.5°	182.3	179.3	180.3	174.2	170.2	165.1	161.0	160.0	159.0	157.0	158.0
5°	262.3	259.3	252.2	240.0	228.9	211.7	194.5	193.5	190.4	187.4	185.4
7.5°	364.6	359.6	351.5	331.2	303.9	273.5	239.0	236.0	231.9	227.9	223.8
10°	483.1	480.1	464.9	441.6	400.1	350.4	292.7	289.7	280.6	275.5	271.4
12.5°	607.7	594.5	588.5	547.9	500.3	432.5	358.5	347.4	340.3	333.2	323.1
15°	701.9	703.9	689.7	657.3	601.6	522.6	430.5	418.3	408.2	395.0	382.9
17.5°	787.0	782.9	767.7	747.5	694.8	614.8	507.4	491.2	475.0	467.9	450.7
20°	855.9	853.8	841.7	822.4	781.9	704.9	588.5	575.3	557.1	544.9	525.7
22.5°	910.5	910.5	903.5	892.3	852.8	791.0	674.6	660.4	642.1	627.0	605.7
25°	954.1	953.1	954.1	949.0	922.7	866.0	762.7	746.5	731.3	713.0	692.8
27.5°	1003.7	1005.8	1003.7	1000.7	989.5	944.0	851.8	840.7	823.4	804.2	783.9
30°	1080.7	1074.6	1073.6	1071.6	1058.4	1030.1	944.0	930.8	917.6	904.5	890.3
32.5°	1161.7	1151.6	1148.6	1148.6	1139.4	1114.1	1050.3	1043.2	1024.0	1013.9	1001.7
35°	1253.9	1249.8	1245.8	1246.8	1242.8	1216.4	1163.8	1165.8	1159.7	1139.4	1127.3
37.5°	1388.6	1389.6	1382.5	1369.4	1369.4	1346.1	1315.7	1311.6	1296.4	1291.4	1284.3
40°	1581.0	1576.0	1569.9	1550.7	1543.6	1504.1	1475.7	1465.6	1453.4	1452.4	1444.3
42.5°	1803.9	1797.8	1797.8	1783.6	1769.4	1721.8	1668.2	1661.1	1647.9	1651.9	1648.9
45°	2010.5	2015.6	2022.6	2032.8	2034.8	2014.5	1936.6	1927.4	1920.4	1916.3	1913.3
47.5°	2188.8	2197.9	2221.2	2264.7	2320.4	2327.5	2265.7	2241.4	2236.4	2229.3	2223.2
50°	2316.4	2329.5	2382.2	2467.3	2575.7	2642.5	2609.1	2588.8	2587.8	2568.6	2566.5
52.5°	2389.3	2403.5	2489.6	2618.2	2786.3	2917.0	2958.5	2957.5	2955.5	2938.3	2931.2
55°	2405.5	2420.7	2524.0	2699.2	2939.3	3165.1	3324.2	3328.2	3337.3	3332.3	3332.3
57.5°	2360.9	2380.2	2492.6	2709.4	3019.3	3361.6	3709.0	3732.3	3743.5	3783.0	3828.6
60°	2278.9	2293.1	2405.5	2647.6	3033.5	3540.9	4209.4	4283.3	4341.1	4419.0	4493.0
62.5°	2127.0	2155.3	2262.7	2526.0	2990.9	3747.5	4807.0	4943.7	5056.1	5174.6	5317.4
65°	1942.6	1954.8	2045.9	2275.9	2800.5	3826.5	5137.1	5270.8	5414.7	5541.3	5668.9
67.5°	1711.7	1721.8	1800.8	1899.1	2311.3	3456.8	4812.0	4959.9	5089.5	5193.9	5361.0
70°	1121.2	1143.5	1337.0	1434.2	1615.5	2555.4	3934.9	4077.7	4177.0	4247.9	4441.3
72.5°	821.4	835.6	913.6	1114.1	1158.7	1510.2	2769.1	2924.1	2960.5	3094.2	3184.4
75°	501.4	536.8	713.0	954.1	1129.3	1034.1	1659.0	1734.0	1818.1	1915.3	2001.4
77.5°	101.3	115.5	233.0	657.3	993.6	1105.0	990.6	1004.7	1046.3	1055.4	1087.8
80°	16.2	17.2	30.4	283.6	575.3	893.3	990.6	977.4	954.1	937.9	921.7
82.5°	7.1	8.1	13.2	71.9	122.6	297.8	856.9	923.7	1000.7	1043.2	1054.4
85°	3.0	3.0	5.1	14.2	18.2	20.3	144.8	191.4	341.3	453.8	522.6
87.5°	2.0	2.0	3.0	3.0	4.1	5.1	7.1	7.1	8.1	9.1	13.2
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2.5°	158.0	157.0	157.0	154.0	154.0	152.9	152.9	151.9	151.9	149.9	150.9
5°	184.3	182.3	180.3	177.2	176.2	174.2	172.2	169.1	168.1	166.1	165.1
7.5°	219.8	217.8	213.7	207.6	203.6	199.5	195.5	191.4	188.4	185.4	183.3
10°	263.3	257.3	255.2	243.1	238.0	229.9	224.9	220.8	214.7	209.7	206.6
12.5°	316.0	310.9	300.8	284.6	276.5	269.4	260.3	252.2	246.1	237.0	230.9
15°	370.7	366.6	352.5	334.2	324.1	310.9	301.8	293.7	280.6	274.5	263.3
17.5°	439.6	427.4	413.2	386.9	373.7	362.6	346.4	334.2	326.1	307.9	297.8
20°	510.5	497.3	479.1	449.7	431.5	414.3	401.1	384.9	367.7	355.5	338.3
22.5°	591.5	570.2	556.1	519.6	498.3	480.1	457.8	440.6	423.4	404.1	384.9
25°	677.6	656.3	639.1	597.6	575.3	557.1	530.7	506.4	485.2	463.9	441.6
27.5°	767.7	748.5	729.2	686.7	667.5	642.1	617.8	589.5	562.1	542.9	512.5
30°	872.1	855.9	834.6	789.0	767.7	741.4	716.1	682.7	656.3	630.0	600.6
32.5°	984.5	971.3	949.0	908.5	883.2	860.9	833.6	801.2	763.7	736.3	701.9
35°	1121.2	1098.9	1085.8	1047.3	1028.0	1003.7	975.4	947.0	907.5	869.0	839.6
37.5°	1277.2	1267.1	1249.8	1213.4	1199.2	1173.9	1155.7	1127.3	1096.9	1048.3	1016.9
40°	1437.2	1430.1	1414.9	1378.5	1364.3	1347.1	1325.8	1298.5	1262.0	1236.7	1190.1
42.5°	1640.8	1629.7	1617.5	1583.1	1555.7	1534.5	1525.3	1502.0	1463.6	1431.1	1394.7
45°	1899.1	1894.0	1877.8	1843.4	1816.0	1801.8	1787.7	1748.2	1722.8	1690.4	1665.1
47.5°	2211.0	2194.8	2186.7	2148.2	2139.1	2128.0	2091.5	2069.2	2032.8	2007.5	1976.1
50°	2548.3	2531.1	2532.1	2485.5	2487.5	2479.4	2452.1	2425.8	2394.4	2372.1	2352.8
52.5°	2910.9	2919.0	2898.8	2912.9	2896.7	2878.5	2873.4	2841.0	2813.7	2812.7	2786.3
55°	3356.6	3343.4	3348.5	3362.6	3340.4	3360.6	3350.5	3309.0	3310.0	3318.1	3287.7
57.5°	3835.6	3854.9	3896.4	3905.5	3944.0	3917.7	3986.6	3936.9	3967.3	3967.3	3947.1
60°	4538.6	4615.5	4715.8	4793.8	4865.7	4842.4	4932.6	4875.8	4916.3	4881.9	4864.7
62.5°	5385.3	5487.6	5606.1	5732.7	5805.6	5823.9	5810.7	5836.0	5796.5	5771.2	5705.4
65°	5792.5	5893.7	5997.1	6149.0	6169.2	6184.4	6178.3	6135.8	6087.2	6015.3	5929.2
67.5°	5454.2	5596.0	5653.7	5828.9	5887.7	5866.4	5873.5	5818.8	5742.8	5671.9	5545.3
70°	4522.3	4684.4	4714.8	4966.0	5035.9	5137.1	5100.7	5084.5	5001.4	4941.7	4801.9
72.5°	3292.8	3419.4	3409.2	3691.8	3679.7	3721.2	3819.4	3815.4	3728.3	3709.0	3591.5
75°	2026.7	2102.7	2098.6	2299.2	2215.1	2202.9	2230.3	2218.1	2136.1	2051.0	1978.1
77.5°	1073.6	1108.1	1071.6	1011.8	1005.8	937.9	918.6	917.6	854.8	777.9	721.1
80°	904.5	869.0	826.5	739.4	688.7	643.2	600.6	561.1	518.6	461.9	393.0
82.5°	1056.4	1039.2	1008.8	899.4	846.7	755.6	687.7	623.9	545.9	487.2	399.1
85°	514.5	513.5	537.8	526.7	507.4	503.4	436.5	422.4	391.0	358.5	299.8
87.5°	14.2	10.1	12.2	10.1	12.2	13.2	9.1	21.3	13.2	12.2	14.2
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2.5°	149.9	148.9	147.9	147.9	146.9	146.9	145.8	144.8	144.8	143.8	143.8
5°	163.1	161.0	160.0	159.0	157.0	156.0	154.0	152.9	150.9	149.9	147.9
7.5°	179.3	177.2	173.2	171.2	168.1	167.1	162.1	160.0	158.0	156.0	152.9
10°	199.5	194.5	190.4	186.4	181.3	177.2	173.2	170.2	166.1	161.0	159.0
12.5°	224.9	217.8	211.7	204.6	198.5	192.4	185.4	180.3	174.2	169.1	164.1
15°	253.2	243.1	235.0	224.9	214.7	207.6	200.5	193.5	185.4	178.3	172.2
17.5°	285.6	272.5	261.3	249.2	238.0	227.9	215.7	206.6	197.5	187.4	179.3
20°	320.1	306.9	291.7	278.5	262.3	251.2	236.0	223.8	210.7	200.5	189.4
22.5°	365.6	348.4	329.2	310.9	293.7	276.5	260.3	245.1	228.9	213.7	202.6
25°	419.3	398.0	373.7	355.5	331.2	312.0	291.7	272.5	255.2	236.0	217.8
27.5°	486.2	457.8	431.5	406.2	379.8	355.5	329.2	306.9	283.6	261.3	241.1
30°	564.2	536.8	497.3	468.9	442.6	409.2	382.9	353.5	327.1	294.7	272.5
32.5°	667.5	632.0	590.5	553.0	518.6	481.1	444.6	407.2	372.7	343.4	309.9
35°	802.2	760.6	711.0	663.4	624.9	579.3	532.8	490.2	450.7	408.2	366.6
37.5°	972.3	933.8	880.2	822.4	770.8	716.1	667.5	607.7	555.0	503.4	450.7
40°	1141.5	1106.0	1050.3	988.5	921.7	858.9	797.1	729.2	662.4	597.6	542.9
42.5°	1350.1	1297.5	1237.7	1167.8	1103.0	1028.0	951.1	873.1	793.1	715.1	637.1
45°	1612.4	1571.9	1487.9	1412.9	1335.9	1247.8	1152.6	1063.5	961.2	869.0	765.7
47.5°	1931.5	1858.6	1796.8	1727.9	1631.7	1546.6	1425.1	1319.7	1192.1	1069.6	946.0
50°	2308.3	2267.8	2185.7	2099.6	1995.3	1894.0	1775.5	1623.6	1470.6	1340.0	1170.8
52.5°	2748.9	2691.1	2639.5	2550.3	2444.0	2314.3	2179.6	2014.5	1827.2	1642.8	1462.5
55°	3271.5	3231.0	3181.3	3110.4	2974.7	2827.9	2665.8	2468.3	2246.5	1998.3	1788.7
57.5°	3946.0	3903.5	3855.9	3710.0	3617.9	3437.6	3202.6	2998.0	2759.0	2441.0	2180.7
60°	4866.7	4809.0	4742.1	4623.6	4431.2	4197.2	3945.0	3642.2	3349.5	3002.1	2660.7
62.5°	5653.7	5561.5	5418.7	5265.8	5034.8	4766.4	4449.4	4092.9	3759.7	3368.7	2988.9
65°	5815.8	5689.1	5521.0	5321.5	5083.5	4780.6	4449.4	4108.1	3716.1	3348.5	2966.6
67.5°	5394.4	5247.5	5075.4	4852.5	4625.7	4313.7	4028.1	3680.7	3312.0	2994.0	2652.6
70°	4701.6	4483.9	4307.6	4070.6	3840.7	3595.6	3294.8	3034.5	2734.7	2442.0	2180.7
72.5°	3530.8	3316.1	3156.0	2966.6	2829.9	2570.6	2349.8	2155.3	1978.1	1759.3	1565.9
75°	1903.1	1742.1	1634.7	1548.6	1426.1	1254.9	1149.6	1015.9	940.9	849.8	761.7
77.5°	620.9	546.9	466.9	388.9	334.2	251.2	243.1	193.5	182.3	177.2	136.7
80°	318.0	245.1	177.2	127.6	97.2	86.1	82.0	78.0	73.9	70.9	65.8
82.5°	319.0	230.9	159.0	110.4	80.0	66.8	62.8	60.8	57.7	54.7	50.6
85°	233.0	172.2	118.5	81.0	55.7	44.6	42.5	39.5	37.5	36.5	32.4
87.5°	15.2	11.1	10.1	9.1	9.1	9.1	10.1	9.1	10.1	10.1	9.1
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2.5°	142.8	141.8	141.8	140.8	139.8	139.8	138.8	138.8	135.7	130.7	126.6
5°	146.9	144.8	143.8	142.8	141.8	139.8	138.8	137.7	132.7	122.6	114.5
7.5°	149.9	147.9	146.9	144.8	141.8	140.8	138.8	136.7	128.6	114.5	105.3
10°	155.0	151.9	148.9	145.8	142.8	140.8	137.7	135.7	123.6	107.4	98.2
12.5°	160.0	156.0	151.9	146.9	143.8	140.8	137.7	133.7	119.5	101.3	91.2
15°	166.1	160.0	155.0	149.9	144.8	140.8	135.7	132.7	115.5	96.2	87.1
17.5°	172.2	165.1	158.0	150.9	145.8	139.8	135.7	130.7	111.4	92.2	82.0
20°	179.3	169.1	162.1	154.0	146.9	139.8	133.7	128.6	107.4	87.1	77.0
22.5°	189.4	177.2	166.1	157.0	147.9	140.8	133.7	126.6	103.3	83.1	72.9
25°	202.6	187.4	174.2	163.1	151.9	142.8	134.7	127.6	100.3	80.0	67.9
27.5°	221.8	202.6	188.4	173.2	159.0	147.9	137.7	129.6	98.2	77.0	64.8
30°	245.1	225.9	203.6	185.4	170.2	155.0	143.8	131.7	96.2	73.9	60.8
32.5°	279.5	252.2	225.9	203.6	182.3	165.1	148.9	136.7	95.2	68.9	56.7
35°	329.2	291.7	260.3	230.9	201.6	180.3	161.0	144.8	94.2	64.8	52.7
37.5°	400.1	355.5	315.0	273.5	237.0	206.6	180.3	159.0	94.2	61.8	48.6
40°	476.0	418.3	366.6	315.0	268.4	229.9	194.5	168.1	92.2	57.7	44.6
42.5°	562.1	491.2	420.3	356.5	298.8	249.2	207.6	175.2	87.1	53.7	40.5
45°	677.6	584.4	499.3	417.3	342.3	277.5	224.9	183.3	82.0	50.6	36.5
47.5°	822.4	714.1	603.7	500.3	402.1	320.1	250.2	196.5	79.0	46.6	33.4
50°	1038.2	884.2	738.4	606.7	482.1	374.8	287.6	215.7	76.0	43.6	30.4
52.5°	1275.2	1085.8	914.6	745.5	590.5	448.7	331.2	241.1	72.9	40.5	27.3
55°	1563.8	1330.9	1122.2	902.4	703.9	534.8	384.9	269.4	68.9	37.5	25.3
57.5°	1920.4	1625.6	1378.5	1110.1	860.9	646.2	456.8	317.0	64.8	33.4	22.3
60°	2318.4	1985.2	1674.2	1359.2	1057.4	794.1	563.1	384.9	60.8	29.4	19.2
62.5°	2605.0	2239.4	1883.9	1530.4	1199.2	904.5	649.2	437.5	54.7	25.3	17.2
65°	2602.0	2231.3	1873.8	1525.3	1203.3	908.5	652.3	447.7	48.6	22.3	15.2
67.5°	2318.4	2006.4	1687.4	1374.4	1092.9	826.5	603.7	415.3	41.5	20.3	13.2
70°	1907.2	1659.0	1406.8	1158.7	932.8	708.0	521.6	361.6	35.4	18.2	11.1
72.5°	1392.7	1211.4	1057.4	882.2	728.2	559.1	416.3	283.6	28.4	15.2	10.1
75°	691.8	618.8	530.7	476.0	406.2	332.2	258.3	165.1	23.3	12.2	9.1
77.5°	131.7	117.5	112.4	97.2	89.1	79.0	69.9	49.6	18.2	9.1	8.1
80°	60.8	55.7	50.6	45.6	40.5	34.4	30.4	26.3	14.2	7.1	9.1
82.5°	47.6	43.6	38.5	34.4	30.4	26.3	22.3	19.2	9.1	6.1	9.1
85°	31.4	27.3	24.3	21.3	18.2	16.2	14.2	12.2	6.1	6.1	6.1
87.5°	9.1	9.1	8.1	8.1	7.1	7.1	6.1	6.1	5.1	5.1	5.1
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2.5°	122.6	117.5	115.5	114.5	114.5	115.5	114.5
5°	108.4	103.3	101.3	99.3	99.3	99.3	100.3
7.5°	99.3	94.2	91.2	90.1	89.1	90.1	90.1
10°	91.2	87.1	83.1	81.0	81.0	81.0	81.0
12.5°	85.1	80.0	76.0	75.0	73.9	73.9	73.9
15°	80.0	73.9	70.9	68.9	67.9	67.9	68.9
17.5°	73.9	68.9	64.8	63.8	63.8	63.8	63.8
20°	69.9	63.8	60.8	58.7	58.7	58.7	58.7
22.5°	64.8	59.8	55.7	53.7	53.7	53.7	53.7
25°	60.8	55.7	51.7	49.6	49.6	49.6	49.6
27.5°	56.7	51.7	47.6	45.6	45.6	45.6	45.6
30°	52.7	47.6	43.6	41.5	41.5	41.5	41.5
32.5°	49.6	43.6	39.5	37.5	37.5	38.5	37.5
35°	44.6	39.5	35.4	33.4	33.4	33.4	33.4
37.5°	40.5	35.4	31.4	29.4	29.4	29.4	28.4
40°	37.5	31.4	27.3	25.3	24.3	24.3	24.3
42.5°	32.4	26.3	23.3	21.3	20.3	20.3	20.3
45°	29.4	23.3	19.2	17.2	17.2	17.2	17.2
47.5°	26.3	20.3	16.2	14.2	14.2	15.2	15.2
50°	23.3	17.2	13.2	13.2	13.2	14.2	14.2
52.5°	20.3	15.2	12.2	12.2	13.2	14.2	14.2
55°	18.2	13.2	11.1	12.2	13.2	14.2	14.2
57.5°	16.2	11.1	11.1	12.2	13.2	14.2	14.2
60°	14.2	10.1	10.1	11.1	13.2	14.2	14.2
62.5°	12.2	10.1	10.1	11.1	13.2	14.2	14.2
65°	11.1	10.1	10.1	11.1	13.2	14.2	14.2
67.5°	10.1	9.1	10.1	11.1	12.2	13.2	13.2
70°	9.1	9.1	10.1	11.1	12.2	13.2	13.2
72.5°	9.1	9.1	9.1	10.1	11.1	12.2	12.2
75°	9.1	9.1	9.1	10.1	11.1	12.2	12.2
77.5°	9.1	8.1	8.1	9.1	11.1	12.2	12.2
80°	9.1	8.1	8.1	9.1	10.1	12.2	12.2
82.5°	7.1	7.1	8.1	9.1	10.1	11.1	11.1
85°	6.1	7.1	7.1	8.1	9.1	11.1	11.1
87.5°	5.1	5.1	6.1	7.1	8.1	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)