

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: P181397

Luminaire Tested: **ICS-E03-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181397  
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-E03-LED-E1-T3-HSS-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3715.3 lumens  
Efficiency: N/A  
Efficacy: 49.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

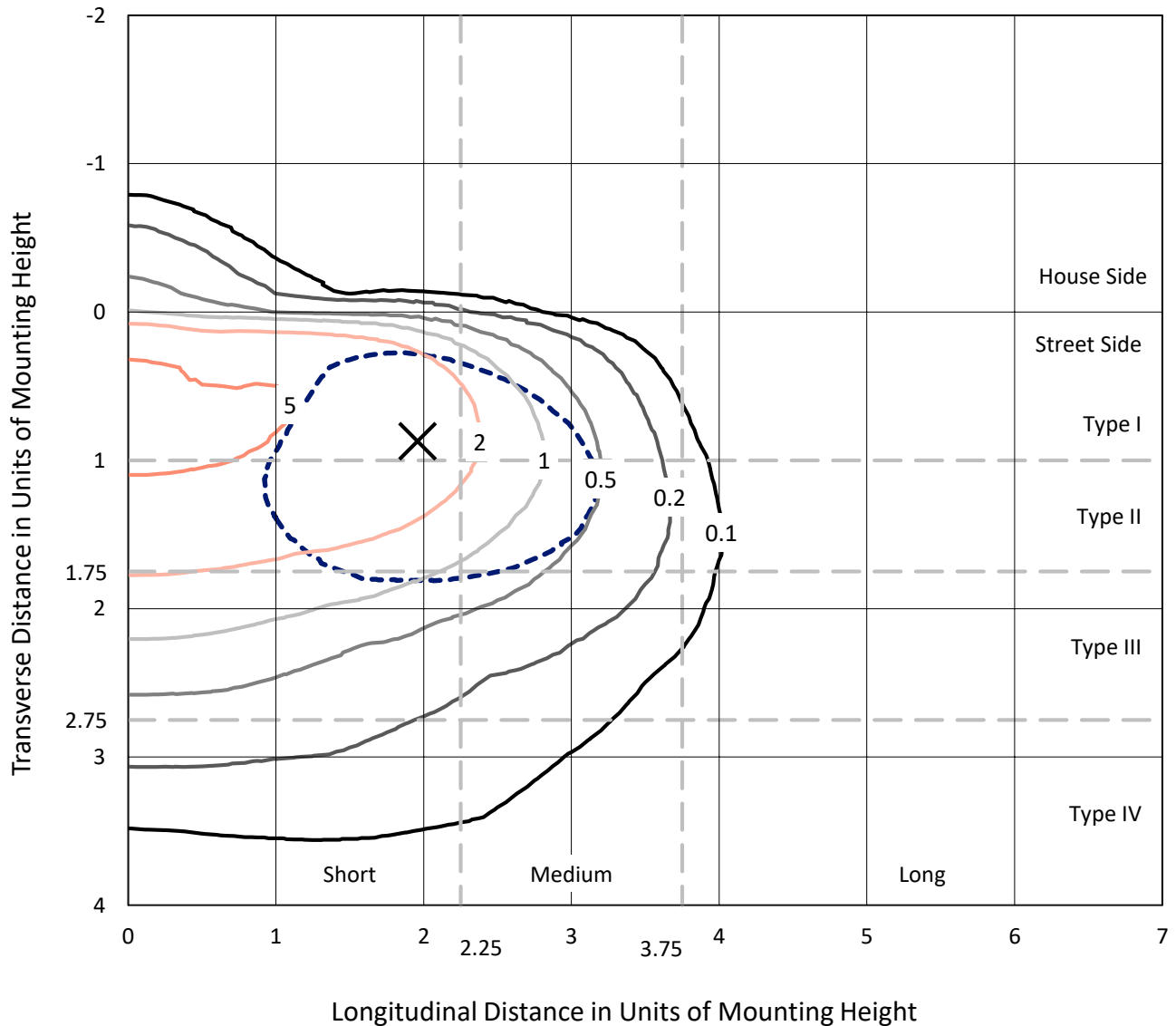
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

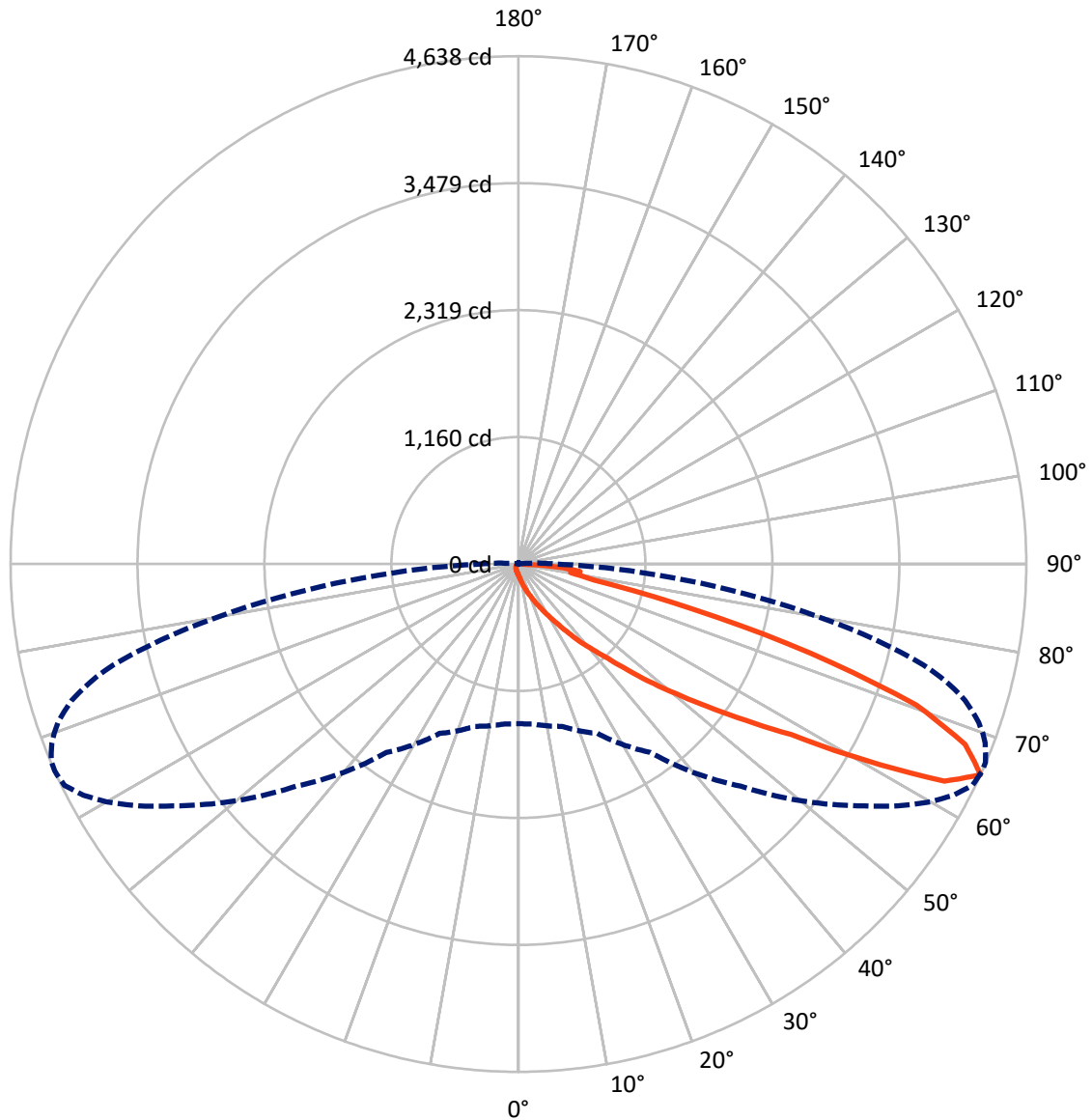
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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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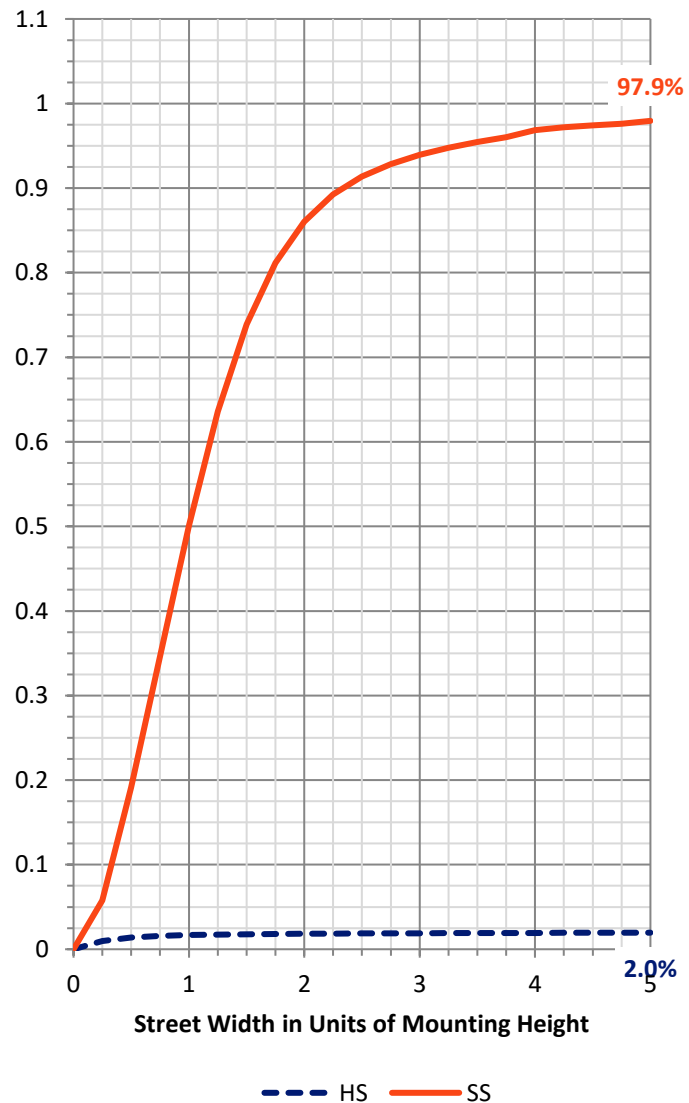
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	74.6	0.0	74.6
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	3640.7	0.0	3640.7
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	3715.3	0.0	3715.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	0.3
10°-20°	60.4	1.6
20°-30°	138.0	3.7
30°-40°	262.5	7.1
40°-50°	527.0	14.2
50°-60°	932.4	25.1
60°-70°	1218.3	32.8
70°-80°	500.9	13.5
80°-90°	63.1	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°	3715.3	100.0
0°-180°	3715.3	100.0



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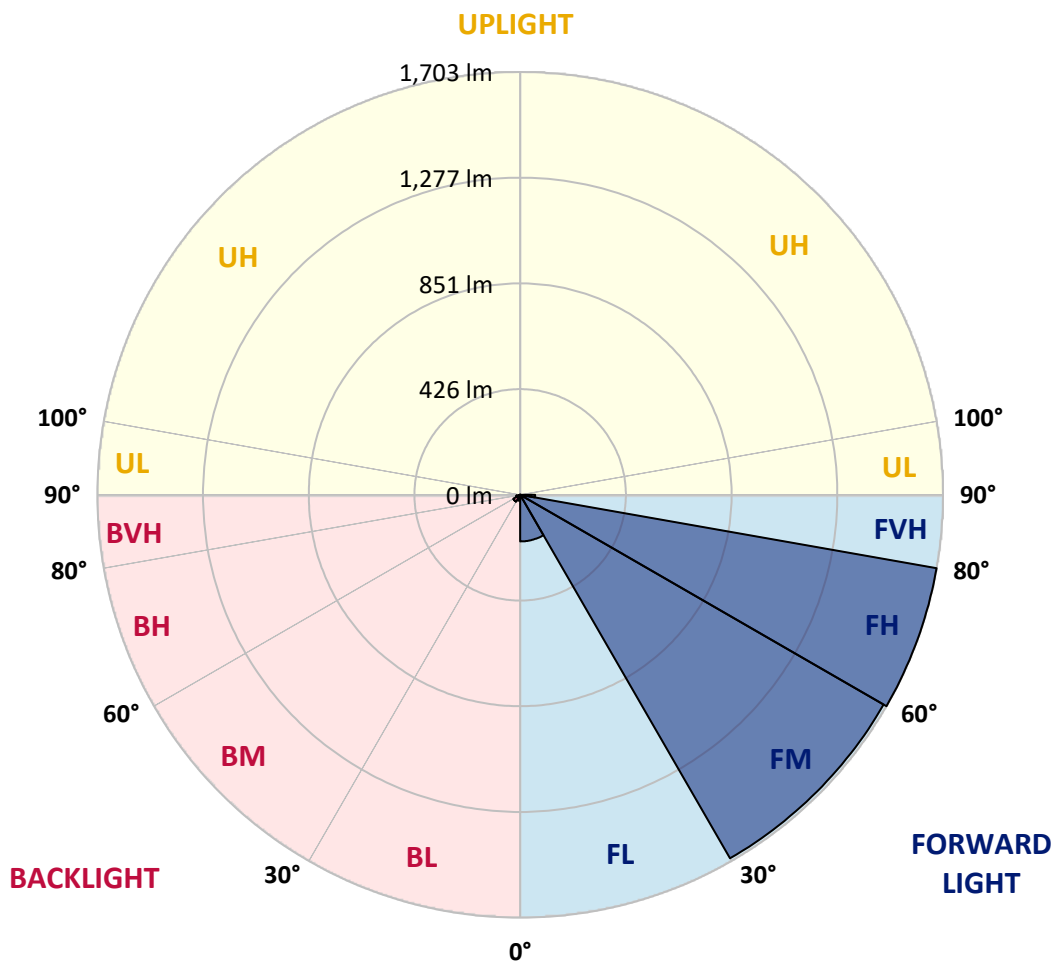
CATALOG NUMBER: ICS-E03-LED-E1-T3-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.7	5.1			
FM	(30°-60°)	1690.0	45.5			
FH	(60°-80°)	1702.7	45.8			G1/1800
FVH	(80°-90°)	60.3	1.6			G1/100
BL	(0°-30°)	23.3	0.6	B0/110		
BM	(30°-60°)	31.9	0.9	B0/220		
BH	(60°-80°)	16.5	0.4	B0/110		G0/110
BVH	(80°-90°)	2.8	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	136.7	134.5	135.2	130.7	127.6	123.8	120.8	120.0	119.3	117.7	118.5
5°	196.7	194.5	189.1	180.0	171.7	158.8	145.8	145.1	142.8	140.5	139.0
7.5°	273.5	269.7	263.6	248.4	227.9	205.1	179.3	177.0	174.0	170.9	167.9
10°	362.3	360.1	348.7	331.2	300.1	262.8	219.5	217.3	210.4	206.6	203.6
12.5°	455.8	445.9	441.3	411.0	375.3	324.4	268.9	260.6	255.2	249.9	242.3
15°	526.4	527.9	517.3	493.0	451.2	392.0	322.8	313.7	306.1	296.3	287.1
17.5°	590.2	587.2	575.8	560.6	521.1	461.1	380.6	368.4	356.3	351.0	338.0
20°	641.9	640.4	631.3	616.8	586.4	528.7	441.3	431.5	417.8	408.7	394.2
22.5°	682.9	682.9	677.6	669.2	639.6	593.3	505.9	495.3	481.6	470.2	454.3
25°	715.6	714.8	715.6	711.8	692.0	649.5	572.0	559.8	548.5	534.8	519.6
27.5°	752.8	754.3	752.8	750.5	742.2	708.0	638.9	630.5	617.6	603.1	588.0
30°	810.5	806.0	805.2	803.7	793.8	772.5	708.0	698.1	688.2	678.4	667.7
32.5°	871.3	863.7	861.4	861.4	854.6	835.6	787.7	782.4	768.0	760.4	751.3
35°	940.4	937.4	934.3	935.1	932.1	912.3	872.8	874.3	869.8	854.6	845.5
37.5°	1041.5	1042.2	1036.9	1027.0	1027.0	1009.6	986.8	983.7	972.3	968.5	963.2
40°	1185.8	1182.0	1177.4	1163.0	1157.7	1128.1	1106.8	1099.2	1090.1	1089.3	1083.2
42.5°	1352.9	1348.3	1348.3	1337.7	1327.1	1291.4	1251.1	1245.8	1235.9	1239.0	1236.7
45°	1507.9	1511.7	1517.0	1524.6	1526.1	1510.9	1452.4	1445.6	1440.3	1437.2	1434.9
47.5°	1641.6	1648.4	1665.9	1698.5	1740.3	1745.6	1699.3	1681.1	1677.3	1672.0	1667.4
50°	1737.3	1747.2	1786.7	1850.5	1931.7	1981.9	1956.8	1941.6	1940.9	1926.4	1924.9
52.5°	1792.0	1802.6	1867.2	1963.7	2089.8	2187.7	2218.9	2218.1	2216.6	2203.7	2198.4
55°	1804.1	1815.5	1893.0	2024.4	2204.5	2373.9	2493.1	2496.2	2503.0	2499.2	2499.2
57.5°	1770.7	1785.1	1869.5	2032.0	2264.5	2521.2	2781.8	2799.2	2807.6	2837.2	2871.4
60°	1709.2	1719.8	1804.1	1985.7	2275.1	2655.7	3157.0	3212.5	3255.8	3314.3	3369.7
62.5°	1595.2	1616.5	1697.0	1894.5	2243.2	2810.6	3605.2	3707.8	3792.1	3881.0	3988.1
65°	1457.0	1466.1	1534.5	1706.9	2100.4	2869.9	3852.9	3953.1	4061.0	4156.0	4251.7
67.5°	1283.8	1291.4	1350.6	1424.3	1733.5	2592.6	3609.0	3719.9	3817.2	3895.4	4020.7
70°	840.9	857.6	1002.7	1075.6	1211.6	1916.6	2951.2	3058.3	3132.7	3185.9	3331.0
72.5°	616.1	626.7	685.2	835.6	869.0	1132.6	2076.8	2193.1	2220.4	2320.7	2388.3
75°	376.0	402.6	534.8	715.6	847.0	775.6	1244.3	1300.5	1363.5	1436.5	1501.0
77.5°	76.0	86.6	174.7	493.0	745.2	828.8	742.9	753.6	784.7	791.5	815.8
80°	12.2	12.9	22.8	212.7	431.5	670.0	742.9	733.0	715.6	703.4	691.3
82.5°	5.3	6.1	9.9	53.9	91.9	223.3	642.6	692.8	750.5	782.4	790.8
85°	2.3	2.3	3.8	10.6	13.7	15.2	108.6	143.6	256.0	340.3	392.0
87.5°	1.5	1.5	2.3	2.3	3.0	3.8	5.3	5.3	6.1	6.8	9.9
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°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	118.5	117.7	117.7	115.5	115.5	114.7	114.7	113.9	113.9	112.4	113.2
5°	138.3	136.7	135.2	132.9	132.2	130.7	129.1	126.9	126.1	124.6	123.8
7.5°	164.8	163.3	160.3	155.7	152.7	149.6	146.6	143.6	141.3	139.0	137.5
10°	197.5	192.9	191.4	182.3	178.5	172.4	168.6	165.6	161.0	157.2	155.0
12.5°	237.0	233.2	225.6	213.5	207.4	202.1	195.2	189.1	184.6	177.8	173.2
15°	278.0	275.0	264.4	250.7	243.1	233.2	226.4	220.3	210.4	205.9	197.5
17.5°	329.7	320.6	309.9	290.2	280.3	271.9	259.8	250.7	244.6	230.9	223.3
20°	382.9	373.0	359.3	337.3	323.6	310.7	300.8	288.7	275.7	266.6	253.7
22.5°	443.6	427.7	417.0	389.7	373.7	360.1	343.4	330.4	317.5	303.1	288.7
25°	508.2	492.2	479.3	448.2	431.5	417.8	398.0	379.8	363.9	347.9	331.2
27.5°	575.8	561.4	546.9	515.0	500.6	481.6	463.4	442.1	421.6	407.2	384.4
30°	654.0	641.9	625.9	591.8	575.8	556.1	537.1	512.0	492.2	472.5	450.5
32.5°	738.4	728.5	711.8	681.4	662.4	645.7	625.2	600.9	572.8	552.3	526.4
35°	840.9	824.2	814.3	785.5	771.0	752.8	731.5	710.3	680.6	651.8	629.7
37.5°	957.9	950.3	937.4	910.0	899.4	880.4	866.7	845.5	822.7	786.2	762.7
40°	1077.9	1072.6	1061.2	1033.9	1023.2	1010.3	994.4	973.8	946.5	927.5	892.6
42.5°	1230.6	1222.2	1213.1	1187.3	1166.8	1150.8	1144.0	1126.5	1097.7	1073.4	1046.0
45°	1424.3	1420.5	1408.4	1382.5	1362.0	1351.4	1340.8	1311.1	1292.1	1267.8	1248.8
47.5°	1658.3	1646.1	1640.0	1611.2	1604.3	1596.0	1568.6	1551.9	1524.6	1505.6	1482.0
50°	1911.2	1898.3	1899.1	1864.1	1865.7	1859.6	1839.1	1819.3	1795.8	1779.1	1764.6
52.5°	2183.2	2189.3	2174.1	2184.7	2172.6	2158.9	2155.1	2130.8	2110.3	2109.5	2089.8
55°	2517.4	2507.5	2511.3	2522.0	2505.3	2520.5	2512.9	2481.7	2482.5	2488.6	2465.8
57.5°	2876.7	2891.2	2922.3	2929.1	2958.0	2938.3	2989.9	2952.7	2975.5	2975.5	2960.3
60°	3403.9	3461.6	3536.9	3595.3	3649.3	3631.8	3699.4	3656.9	3687.3	3661.4	3648.5
62.5°	4039.0	4115.7	4204.6	4299.5	4354.2	4367.9	4358.0	4377.0	4347.4	4328.4	4279.0
65°	4344.3	4420.3	4497.8	4611.7	4626.9	4638.3	4633.8	4601.9	4565.4	4511.5	4446.9
67.5°	4090.6	4197.0	4240.3	4371.7	4415.7	4399.8	4405.1	4364.1	4307.1	4253.9	4159.0
70°	3391.8	3513.3	3536.1	3724.5	3776.9	3852.9	3825.5	3813.4	3751.1	3706.3	3601.4
72.5°	2469.6	2564.5	2556.9	2768.9	2759.7	2790.9	2864.6	2861.5	2796.2	2781.8	2693.7
75°	1520.0	1577.0	1574.0	1724.4	1661.3	1652.2	1672.7	1663.6	1602.1	1538.3	1483.6
77.5°	805.2	831.0	803.7	758.9	754.3	703.4	689.0	688.2	641.1	583.4	540.9
80°	678.4	651.8	619.9	554.5	516.6	482.4	450.5	420.8	388.9	346.4	294.7
82.5°	792.3	779.4	756.6	674.6	635.1	566.7	515.8	467.9	409.4	365.4	299.3
85°	385.9	385.1	403.4	395.0	380.6	377.5	327.4	316.8	293.2	268.9	224.9
87.5°	10.6	7.6	9.1	7.6	9.1	9.9	6.8	16.0	9.9	9.1	10.6
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	112.4	111.7	110.9	110.9	110.1	110.1	109.4	108.6	108.6	107.9	107.9
5°	122.3	120.8	120.0	119.3	117.7	117.0	115.5	114.7	113.2	112.4	110.9
7.5°	134.5	132.9	129.9	128.4	126.1	125.3	121.5	120.0	118.5	117.0	114.7
10°	149.6	145.8	142.8	139.8	136.0	132.9	129.9	127.6	124.6	120.8	119.3
12.5°	168.6	163.3	158.8	153.4	148.9	144.3	139.0	135.2	130.7	126.9	123.1
15°	189.9	182.3	176.2	168.6	161.0	155.7	150.4	145.1	139.0	133.7	129.1
17.5°	214.2	204.3	196.0	186.9	178.5	170.9	161.8	155.0	148.1	140.5	134.5
20°	240.0	230.2	218.8	208.9	196.7	188.4	177.0	167.9	158.0	150.4	142.1
22.5°	274.2	261.3	246.9	233.2	220.3	207.4	195.2	183.8	171.7	160.3	151.9
25°	314.5	298.5	280.3	266.6	248.4	234.0	218.8	204.3	191.4	177.0	163.3
27.5°	364.6	343.4	323.6	304.6	284.9	266.6	246.9	230.2	212.7	196.0	180.8
30°	423.1	402.6	373.0	351.7	332.0	306.9	287.1	265.1	245.4	221.1	204.3
32.5°	500.6	474.0	442.9	414.8	388.9	360.8	333.5	305.4	279.5	257.5	232.4
35°	601.6	570.5	533.3	497.6	468.7	434.5	399.6	367.7	338.0	306.1	275.0
37.5°	729.2	700.4	660.1	616.8	578.1	537.1	500.6	455.8	416.3	377.5	338.0
40°	856.1	829.5	787.7	741.4	691.3	644.2	597.8	546.9	496.8	448.2	407.2
42.5°	1012.6	973.1	928.3	875.9	827.2	771.0	713.3	654.8	594.8	536.3	477.8
45°	1209.3	1179.0	1115.9	1059.7	1002.0	935.9	864.5	797.6	720.9	651.8	574.3
47.5°	1448.6	1393.9	1347.6	1295.9	1223.8	1160.0	1068.8	989.8	894.1	802.2	709.5
50°	1731.2	1700.8	1639.3	1574.7	1496.5	1420.5	1331.6	1217.7	1103.0	1005.0	878.1
52.5°	2061.6	2018.3	1979.6	1912.8	1833.0	1735.8	1634.7	1510.9	1370.4	1232.1	1096.9
55°	2453.6	2423.2	2386.0	2332.8	2231.0	2120.9	1999.4	1851.2	1684.9	1498.8	1341.5
57.5°	2959.5	2927.6	2891.9	2782.5	2713.4	2578.2	2402.0	2248.5	2069.2	1830.7	1635.5
60°	3650.0	3606.7	3556.6	3467.7	3323.4	3147.9	2958.8	2731.6	2512.1	2251.6	1995.6
62.5°	4240.3	4171.1	4064.0	3949.3	3776.1	3574.8	3337.1	3069.7	2819.8	2526.5	2241.7
65°	4361.8	4266.9	4140.8	3991.1	3812.6	3585.5	3337.1	3081.1	2787.1	2511.3	2225.0
67.5°	4045.8	3935.7	3806.5	3639.4	3469.2	3235.3	3021.1	2760.5	2484.0	2245.5	1989.5
70°	3526.2	3362.9	3230.7	3053.0	2880.5	2696.7	2471.1	2275.9	2051.0	1831.5	1635.5
72.5°	2648.1	2487.0	2367.0	2225.0	2122.4	1927.9	1762.3	1616.5	1483.6	1319.5	1174.4
75°	1427.4	1306.6	1226.0	1161.5	1069.6	941.2	862.2	761.9	705.7	637.3	571.2
77.5°	465.7	410.2	350.2	291.7	250.7	188.4	182.3	145.1	136.7	132.9	102.6
80°	238.5	183.8	132.9	95.7	72.9	64.6	61.5	58.5	55.5	53.2	49.4
82.5°	239.3	173.2	119.3	82.8	60.0	50.1	47.1	45.6	43.3	41.0	38.0
85°	174.7	129.1	88.9	60.8	41.8	33.4	31.9	29.6	28.1	27.3	24.3
87.5°	11.4	8.4	7.6	6.8	6.8	6.8	7.6	6.8	7.6	7.6	6.8
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	107.1	106.3	106.3	105.6	104.8	104.8	104.1	104.1	101.8	98.0	95.0
5°	110.1	108.6	107.9	107.1	106.3	104.8	104.1	103.3	99.5	91.9	85.8
7.5°	112.4	110.9	110.1	108.6	106.3	105.6	104.1	102.6	96.5	85.8	79.0
10°	116.2	113.9	111.7	109.4	107.1	105.6	103.3	101.8	92.7	80.5	73.7
12.5°	120.0	117.0	113.9	110.1	107.9	105.6	103.3	100.3	89.6	76.0	68.4
15°	124.6	120.0	116.2	112.4	108.6	105.6	101.8	99.5	86.6	72.2	65.3
17.5°	129.1	123.8	118.5	113.2	109.4	104.8	101.8	98.0	83.6	69.1	61.5
20°	134.5	126.9	121.5	115.5	110.1	104.8	100.3	96.5	80.5	65.3	57.7
22.5°	142.1	132.9	124.6	117.7	110.9	105.6	100.3	95.0	77.5	62.3	54.7
25°	151.9	140.5	130.7	122.3	113.9	107.1	101.0	95.7	75.2	60.0	50.9
27.5°	166.4	151.9	141.3	129.9	119.3	110.9	103.3	97.2	73.7	57.7	48.6
30°	183.8	169.4	152.7	139.0	127.6	116.2	107.9	98.8	72.2	55.5	45.6
32.5°	209.7	189.1	169.4	152.7	136.7	123.8	111.7	102.6	71.4	51.7	42.5
35°	246.9	218.8	195.2	173.2	151.2	135.2	120.8	108.6	70.6	48.6	39.5
37.5°	300.1	266.6	236.2	205.1	177.8	155.0	135.2	119.3	70.6	46.3	36.5
40°	357.0	313.7	275.0	236.2	201.3	172.4	145.8	126.1	69.1	43.3	33.4
42.5°	421.6	368.4	315.2	267.4	224.1	186.9	155.7	131.4	65.3	40.3	30.4
45°	508.2	438.3	374.5	313.0	256.8	208.1	168.6	137.5	61.5	38.0	27.3
47.5°	616.8	535.5	452.7	375.3	301.6	240.0	187.6	147.4	59.3	34.9	25.1
50°	778.6	663.2	553.8	455.0	361.6	281.1	215.7	161.8	57.0	32.7	22.8
52.5°	956.4	814.3	685.9	559.1	442.9	336.5	248.4	180.8	54.7	30.4	20.5
55°	1172.9	998.2	841.7	676.8	527.9	401.1	288.7	202.1	51.7	28.1	19.0
57.5°	1440.3	1219.2	1033.9	832.6	645.7	484.6	342.6	237.8	48.6	25.1	16.7
60°	1738.8	1488.9	1255.7	1019.4	793.1	595.6	422.4	288.7	45.6	22.0	14.4
62.5°	1953.8	1679.5	1412.9	1147.8	899.4	678.4	486.9	328.2	41.0	19.0	12.9
65°	1951.5	1673.5	1405.3	1144.0	902.4	681.4	489.2	335.8	36.5	16.7	11.4
67.5°	1738.8	1504.8	1265.5	1030.8	819.6	619.9	452.7	311.4	31.1	15.2	9.9
70°	1430.4	1244.3	1055.1	869.0	699.6	531.0	391.2	271.2	26.6	13.7	8.4
72.5°	1044.5	908.5	793.1	661.6	546.2	419.3	312.2	212.7	21.3	11.4	7.6
75°	518.8	464.1	398.0	357.0	304.6	249.2	193.7	123.8	17.5	9.1	6.8
77.5°	98.8	88.1	84.3	72.9	66.8	59.3	52.4	37.2	13.7	6.8	6.1
80°	45.6	41.8	38.0	34.2	30.4	25.8	22.8	19.8	10.6	5.3	6.8
82.5°	35.7	32.7	28.9	25.8	22.8	19.8	16.7	14.4	6.8	4.6	6.8
85°	23.5	20.5	18.2	16.0	13.7	12.2	10.6	9.1	4.6	4.6	4.6
87.5°	6.8	6.8	6.1	6.1	5.3	5.3	4.6	4.6	3.8	3.8	3.8
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	91.9	88.1	86.6	85.8	85.8	86.6	85.8
5°	81.3	77.5	76.0	74.4	74.4	74.4	75.2
7.5°	74.4	70.6	68.4	67.6	66.8	67.6	67.6
10°	68.4	65.3	62.3	60.8	60.8	60.8	60.8
12.5°	63.8	60.0	57.0	56.2	55.5	55.5	55.5
15°	60.0	55.5	53.2	51.7	50.9	50.9	51.7
17.5°	55.5	51.7	48.6	47.9	47.9	47.9	47.9
20°	52.4	47.9	45.6	44.1	44.1	44.1	44.1
22.5°	48.6	44.8	41.8	40.3	40.3	40.3	40.3
25°	45.6	41.8	38.7	37.2	37.2	37.2	37.2
27.5°	42.5	38.7	35.7	34.2	34.2	34.2	34.2
30°	39.5	35.7	32.7	31.1	31.1	31.1	31.1
32.5°	37.2	32.7	29.6	28.1	28.1	28.9	28.1
35°	33.4	29.6	26.6	25.1	25.1	25.1	25.1
37.5°	30.4	26.6	23.5	22.0	22.0	22.0	21.3
40°	28.1	23.5	20.5	19.0	18.2	18.2	18.2
42.5°	24.3	19.8	17.5	16.0	15.2	15.2	15.2
45°	22.0	17.5	14.4	12.9	12.9	12.9	12.9
47.5°	19.8	15.2	12.2	10.6	10.6	11.4	11.4
50°	17.5	12.9	9.9	9.9	9.9	10.6	10.6
52.5°	15.2	11.4	9.1	9.1	9.9	10.6	10.6
55°	13.7	9.9	8.4	9.1	9.9	10.6	10.6
57.5°	12.2	8.4	8.4	9.1	9.9	10.6	10.6
60°	10.6	7.6	7.6	8.4	9.9	10.6	10.6
62.5°	9.1	7.6	7.6	8.4	9.9	10.6	10.6
65°	8.4	7.6	7.6	8.4	9.9	10.6	10.6
67.5°	7.6	6.8	7.6	8.4	9.1	9.9	9.9
70°	6.8	6.8	7.6	8.4	9.1	9.9	9.9
72.5°	6.8	6.8	6.8	7.6	8.4	9.1	9.1
75°	6.8	6.8	6.8	7.6	8.4	9.1	9.1
77.5°	6.8	6.1	6.1	6.8	8.4	9.1	9.1
80°	6.8	6.1	6.1	6.8	7.6	9.1	9.1
82.5°	5.3	5.3	6.1	6.8	7.6	8.4	8.4
85°	4.6	5.3	5.3	6.1	6.8	8.4	8.4
87.5°	3.8	3.8	4.6	5.3	6.1	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)