

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: P180371

Luminaire Tested: **ICM-F02-LED-E1-SL2-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180371  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F02-LED-E1-SL2-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (14) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2376.8 lumens  
Efficiency: N/A  
Efficacy: 43.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 55  
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

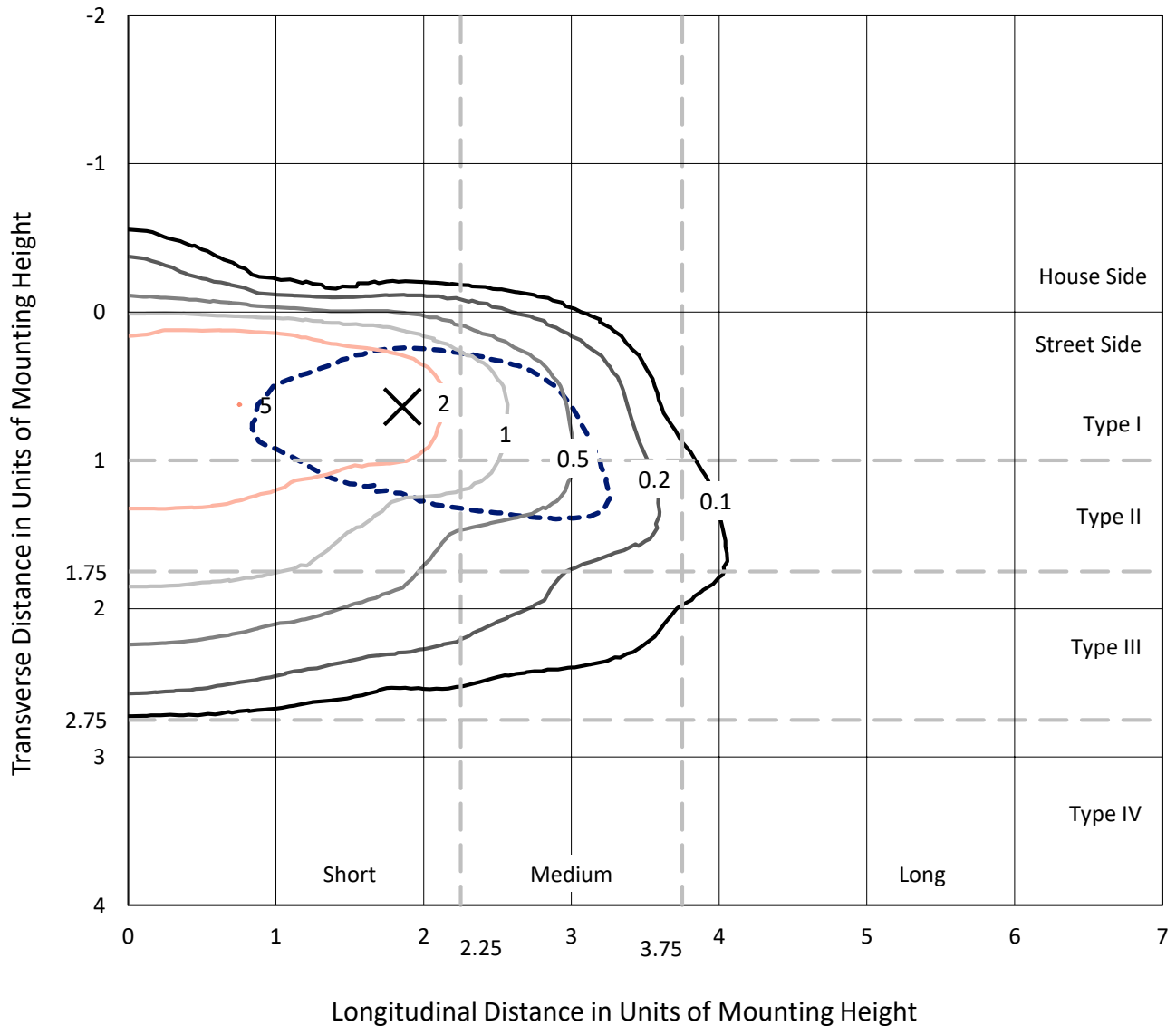


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### Iso-Footcandle Lines of Horizontal Illumination

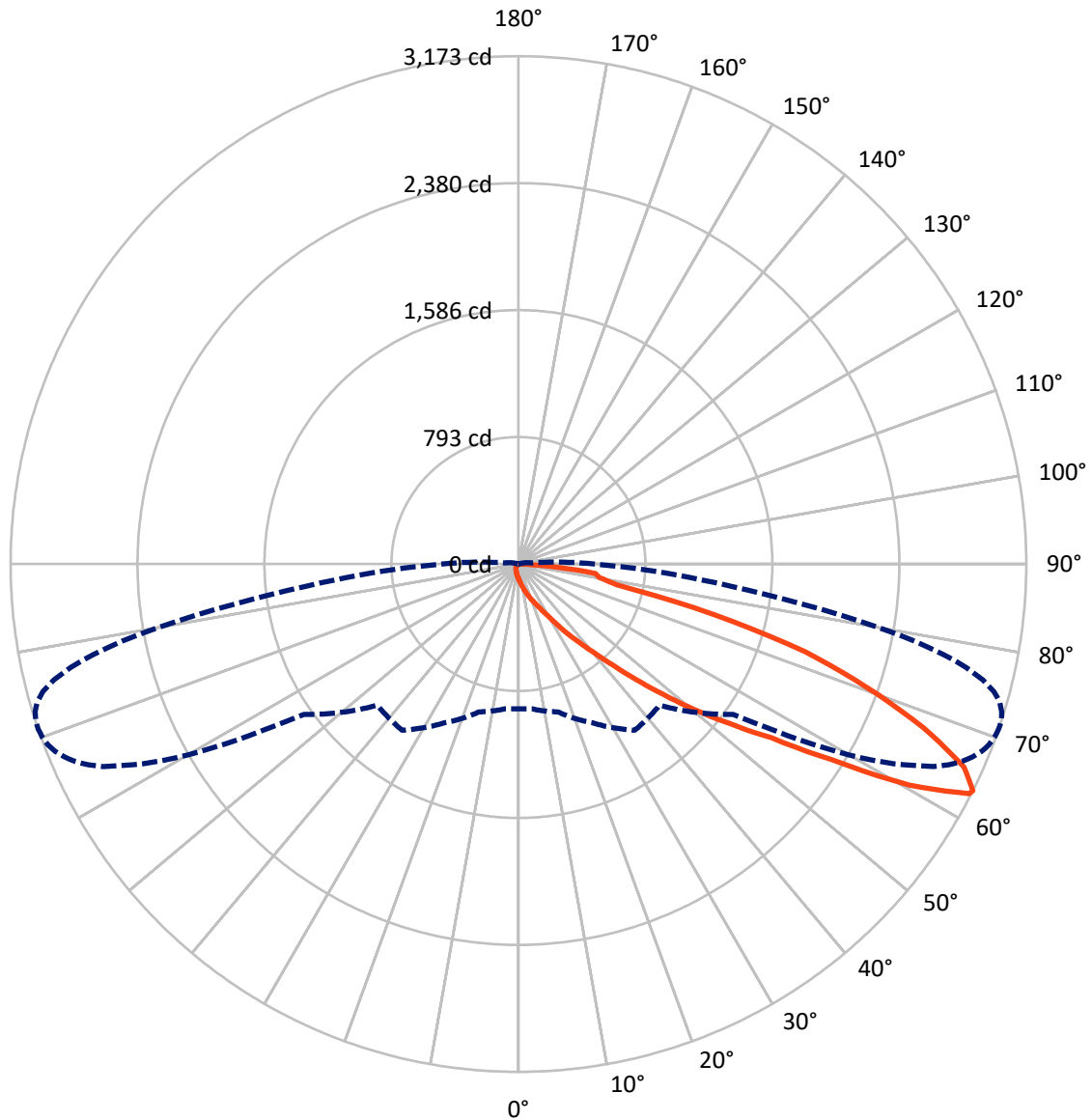
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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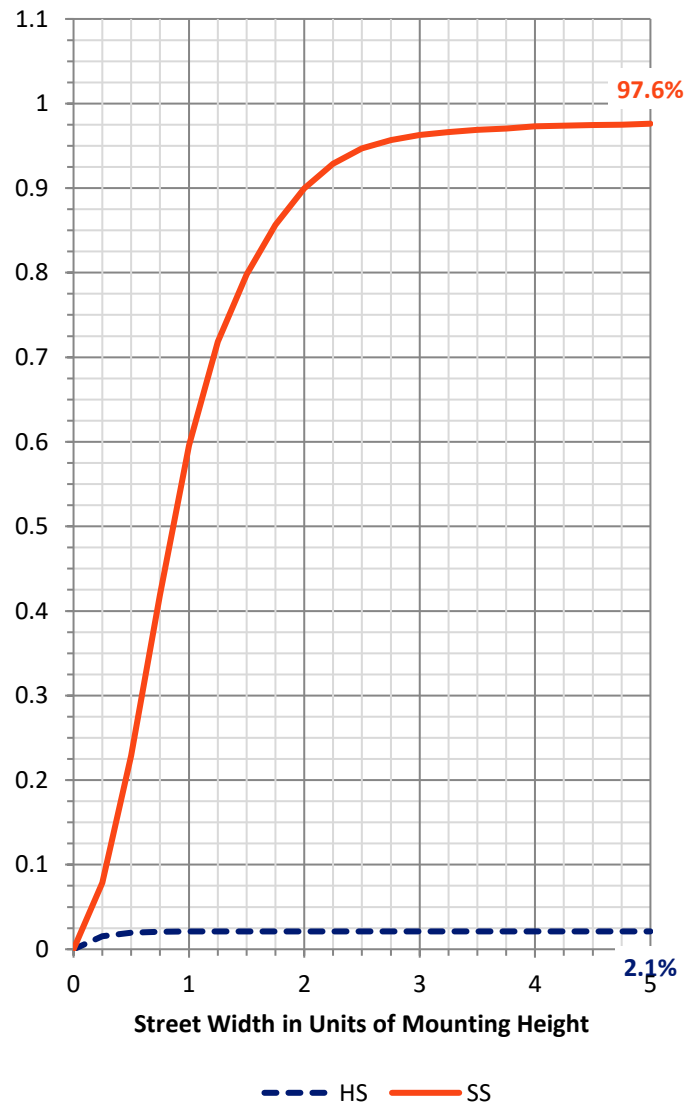
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	50.5	0.0	50.5
	% Fixture	2.1	0.0	2.1
<b>Street Side</b>	Lumens	2326.3	0.0	2326.3
	% Fixture	97.9	0.0	97.9
<b>Total</b>	Lumens	2376.8	0.0	2376.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.4
10°-20°	39.1	1.6
20°-30°	79.4	3.3
30°-40°	193.9	8.2
40°-50°	433.7	18.2
50°-60°	609.9	25.7
60°-70°	717.2	30.2
70°-80°	259.0	10.9
80°-90°	34.6	1.5
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°	2376.8	100.0
0°-180°	2376.8	100.0



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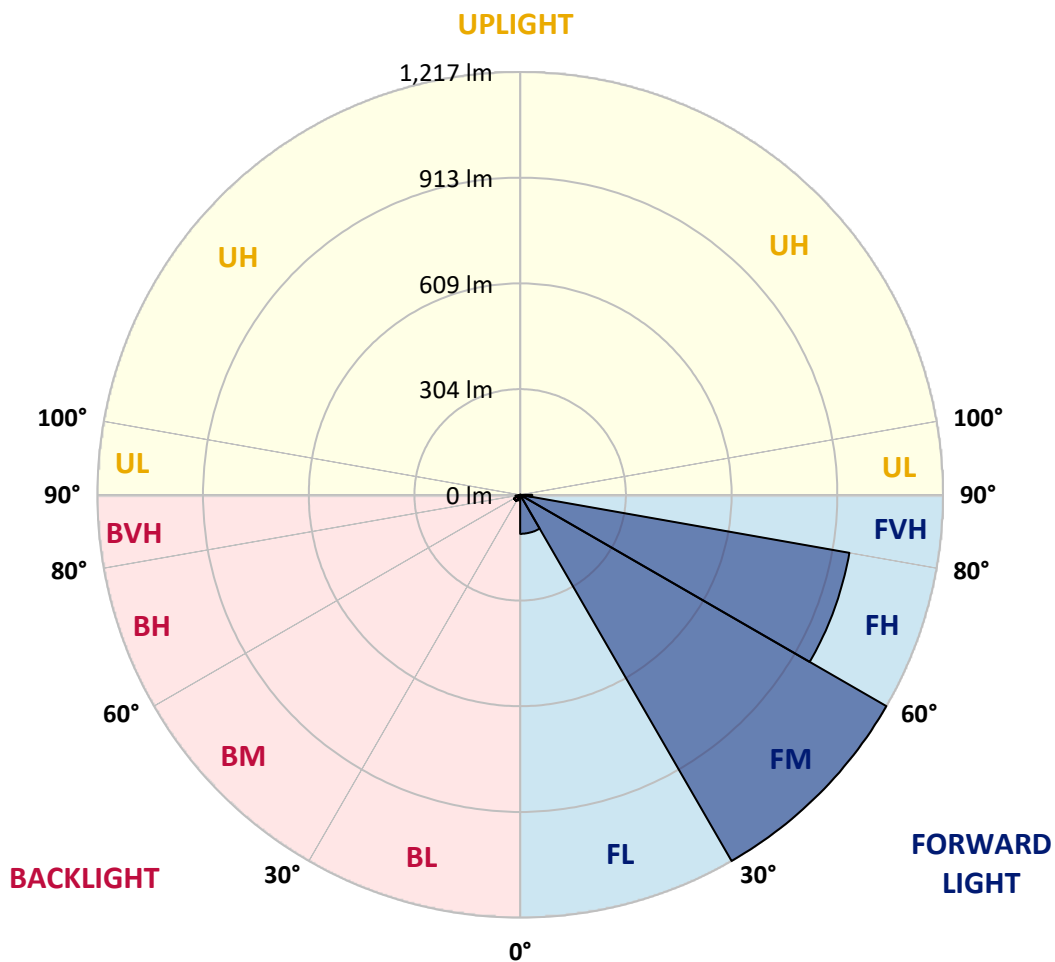
CATALOG NUMBER: ICM-F02-LED-E1-SL2-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.3	4.7			
FM	(30°-60°)	1217.2	51.2			
FH	(60°-80°)	962.3	40.5			G1/1800
FVH	(80°-90°)	34.6	1.5			G1/100
BL	(0°-30°)	16.2	0.7	B0/110		
BM	(30°-60°)	20.3	0.9	B0/220		
BH	(60°-80°)	13.8	0.6	B0/110		G0/110
BVH	(80°-90°)	0.1	0.0			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	119.3	120.6	119.7	117.5	115.0	111.4	108.5	108.5	108.0	106.7	107.2
5°	156.4	156.8	155.2	150.0	145.2	137.9	129.6	128.7	127.9	126.6	126.1
7.5°	192.7	194.4	192.7	187.1	177.6	166.3	153.4	152.1	149.5	149.5	147.8
10°	229.9	229.9	228.2	221.7	213.0	197.0	180.7	178.4	175.4	174.6	172.0
12.5°	256.2	256.2	255.4	251.9	245.0	230.7	210.9	208.7	204.8	203.5	200.5
15°	266.6	266.6	267.1	270.0	270.5	264.0	243.3	241.6	237.7	234.2	232.9
17.5°	273.1	272.7	272.7	276.9	284.7	289.0	275.6	274.0	269.6	267.9	263.5
20°	287.4	286.5	283.9	283.9	291.3	306.3	306.3	306.0	301.1	299.9	297.7
22.5°	308.5	307.6	299.9	293.4	296.8	315.8	333.6	332.7	331.0	329.2	327.9
25°	343.1	340.1	326.7	307.6	304.7	324.9	354.3	356.5	357.8	357.8	358.6
27.5°	395.4	391.4	367.7	332.3	318.9	339.6	377.2	381.5	385.4	386.3	390.1
30°	467.9	461.0	426.9	375.1	344.4	361.2	410.9	415.6	421.3	423.0	429.0
32.5°	587.2	583.4	550.5	472.7	407.0	403.5	458.0	464.1	471.4	474.4	481.8
35°	768.7	769.6	742.8	672.7	582.1	534.5	542.2	547.4	550.0	559.2	563.0
37.5°	891.8	894.0	900.0	872.4	807.5	759.2	698.2	703.9	690.5	691.7	692.2
40°	959.3	966.1	1001.6	1028.4	1023.2	995.1	946.2	949.3	924.2	918.6	891.4
42.5°	1004.2	1013.2	1069.9	1152.8	1195.2	1220.7	1209.4	1208.1	1188.7	1181.3	1158.4
45°	1032.3	1040.5	1111.7	1234.1	1331.7	1406.1	1436.7	1440.1	1423.7	1416.4	1397.4
47.5°	1031.0	1040.5	1116.9	1264.3	1408.2	1527.0	1613.4	1617.8	1627.6	1621.2	1622.5
50°	974.0	983.0	1059.9	1212.8	1385.7	1582.3	1740.5	1754.2	1770.2	1781.0	1786.2
52.5°	904.7	911.3	979.5	1124.8	1289.8	1559.4	1815.6	1839.4	1863.2	1883.5	1897.7
55°	879.3	886.6	940.2	1060.8	1212.8	1463.5	1850.6	1885.6	1919.4	1952.6	1979.8
57.5°	892.7	899.6	938.1	1030.5	1167.1	1362.3	1860.6	1915.0	1970.3	2024.3	2077.9
60°	942.0	949.3	982.1	1058.6	1155.0	1304.0	1821.7	1912.0	2004.0	2098.2	2186.8
62.5°	922.5	925.5	974.0	1107.9	1241.4	1254.3	1680.4	1806.5	1947.0	2092.2	2235.2
63°	903.9	907.4	956.7	1094.5	1267.7	1247.0	1636.8	1769.9	1918.1	2074.4	2230.0
65°	819.6	820.1	857.7	966.6	1238.3	1260.0	1442.3	1569.3	1739.5	1927.1	2123.7
67.5°	611.8	608.8	645.1	728.1	972.2	1260.4	1238.0	1309.2	1427.6	1594.0	1770.2
70°	216.9	212.2	270.9	385.9	605.8	1031.0	1063.8	1068.6	1101.4	1191.3	1301.9
72.5°	70.4	71.7	86.4	141.3	279.2	694.0	963.1	948.5	939.8	939.4	954.1
75°	28.1	28.6	34.6	62.7	125.3	334.4	843.4	851.6	854.7	859.0	863.7
77.5°	13.4	14.7	19.4	35.0	62.2	165.5	603.6	673.2	712.9	743.6	762.2
80°	4.7	5.6	10.8	21.6	28.9	76.1	318.0	383.7	442.0	517.2	582.1
82.5°	0.0	0.0	2.1	15.2	16.0	30.7	130.5	152.9	175.0	226.9	291.3
85°	0.0	0.0	0.0	4.3	4.7	5.2	44.1	53.1	59.6	69.6	80.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.3	2.6	6.5	10.0
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	106.3	105.9	105.9	105.0	104.6	103.7	103.3	102.0	101.6	101.6	101.6
5°	125.8	124.0	123.2	121.0	119.7	119.3	117.1	116.2	115.0	115.3	113.2
7.5°	147.3	144.3	143.0	140.0	139.2	136.1	135.3	133.1	131.8	129.2	128.4
10°	171.1	167.3	165.0	160.3	159.0	156.8	154.2	151.6	149.5	146.9	145.6
12.5°	198.3	194.9	193.1	186.7	183.6	180.7	177.1	173.7	170.2	168.1	165.0
15°	230.3	224.7	223.0	216.9	211.7	207.8	203.1	198.8	196.2	191.8	188.8
17.5°	261.9	256.2	254.9	245.9	240.3	237.7	232.5	226.9	222.0	217.8	213.0
20°	293.4	289.5	286.0	277.4	271.4	267.1	260.1	254.5	250.6	244.6	238.5
22.5°	324.9	321.0	318.4	309.4	303.7	297.7	291.6	285.6	280.0	272.7	265.8
25°	357.3	354.7	353.5	345.2	340.1	334.4	328.4	321.5	314.5	306.3	299.0
27.5°	391.1	391.9	389.3	387.5	382.0	378.0	368.6	363.8	358.6	348.7	339.6
30°	433.8	436.4	435.5	436.8	433.4	430.8	423.4	417.4	411.4	401.9	391.4
32.5°	487.8	491.3	493.0	497.8	496.0	495.2	493.0	484.4	480.0	463.6	459.4
35°	571.3	569.5	576.8	580.7	579.0	578.1	575.5	570.8	565.6	554.0	543.2
37.5°	679.6	681.4	684.0	676.2	671.1	670.6	662.8	658.1	650.7	637.8	624.8
40°	878.4	867.6	855.5	822.7	808.5	800.2	777.3	770.9	758.3	740.6	727.2
42.5°	1136.8	1126.1	1089.7	1034.9	1005.5	964.8	946.2	923.4	905.7	876.7	861.1
45°	1393.5	1362.3	1358.1	1294.1	1257.8	1204.2	1171.0	1132.5	1092.3	1054.3	1026.6
47.5°	1610.0	1603.1	1581.9	1543.0	1509.3	1464.4	1421.6	1362.3	1320.8	1266.9	1217.2
50°	1783.3	1782.8	1775.0	1752.6	1724.5	1688.2	1650.6	1600.5	1553.3	1487.3	1434.1
52.5°	1912.8	1919.7	1922.3	1915.5	1904.7	1872.7	1853.7	1811.7	1772.0	1715.8	1658.3
55°	2007.9	2033.4	2046.3	2061.0	2058.1	2046.8	2046.0	2018.7	2000.6	1956.0	1915.5
57.5°	2125.4	2167.4	2207.5	2278.8	2281.4	2306.4	2319.5	2332.4	2335.8	2318.2	2304.8
60°	2274.9	2360.5	2436.6	2585.6	2624.5	2685.9	2725.6	2768.9	2805.5	2808.6	2807.7
62.5°	2380.4	2512.1	2634.9	2856.1	2931.7	3002.5	3055.7	3097.6	3123.1	3149.0	3161.1
63°	2383.4	2527.7	2658.2	2886.3	2965.9	3033.2	3083.8	3122.7	3149.5	3165.0	3172.9
65°	2310.3	2485.3	2640.9	2868.2	2942.9	3010.8	3037.1	3062.6	3075.6	3081.6	3058.7
67.5°	1958.2	2129.3	2310.8	2564.9	2628.9	2710.1	2731.6	2744.6	2750.6	2749.4	2730.0
70°	1464.4	1607.8	1809.6	2099.9	2184.7	2264.1	2313.4	2334.5	2341.5	2339.4	2310.3
72.5°	1022.3	1106.6	1272.9	1596.1	1711.5	1813.5	1874.4	1906.0	1912.4	1899.5	1872.7
75°	858.5	862.9	900.5	1077.2	1185.2	1294.1	1362.8	1382.7	1369.7	1330.4	1262.1
77.5°	766.5	776.0	776.0	802.4	823.5	853.8	860.3	811.9	755.7	683.2	624.4
80°	643.0	676.2	699.5	719.0	721.1	715.1	699.1	671.9	628.7	573.4	512.0
82.5°	390.6	456.3	483.1	583.4	632.6	665.9	663.3	627.0	594.1	536.7	484.4
85°	98.5	106.3	115.3	150.0	168.1	205.2	228.6	239.4	243.3	223.4	202.2
87.5°	9.5	6.5	10.8	8.2	11.6	8.7	11.6	10.8	13.4	14.2	15.5
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	100.7	100.3	99.8	99.3	99.0	98.5	97.7	97.7	96.7	96.4	95.9
5°	111.9	111.1	110.6	109.8	108.5	107.6	106.3	104.6	103.3	102.8	102.0
7.5°	126.1	124.0	123.2	121.9	120.1	117.5	115.8	114.5	112.4	111.1	108.5
10°	142.1	140.0	137.4	134.8	132.2	129.2	127.1	125.3	121.9	120.1	117.1
12.5°	162.4	158.6	155.5	152.1	148.7	145.2	142.6	137.4	134.4	130.5	127.9
15°	183.2	179.7	176.3	172.0	166.8	161.2	158.6	153.9	150.0	143.9	140.5
17.5°	208.3	201.8	196.6	191.4	186.7	181.5	176.3	168.9	163.3	158.1	151.3
20°	232.9	225.1	219.5	212.6	205.7	197.5	191.4	186.2	178.4	171.5	164.2
22.5°	259.3	251.4	242.4	235.4	226.0	219.5	211.3	202.6	194.9	185.8	176.7
25°	291.3	283.0	272.7	263.5	252.7	243.7	233.8	223.8	214.3	203.9	192.3
27.5°	330.5	321.9	310.7	299.9	285.6	274.4	264.8	251.4	239.4	226.4	213.0
30°	380.3	370.7	356.9	341.3	327.1	314.5	301.1	283.4	270.0	254.5	237.2
32.5°	445.0	433.8	415.3	400.6	382.8	366.4	347.8	330.1	311.1	290.8	270.9
35°	526.7	516.4	494.7	473.1	453.7	434.2	410.9	390.6	363.8	339.2	313.7
37.5°	611.4	592.8	572.9	549.6	525.4	502.0	473.6	445.5	414.8	388.0	356.0
40°	708.2	685.7	669.3	644.3	610.1	576.8	550.5	515.4	477.0	441.1	403.5
42.5°	840.8	815.8	786.4	748.4	723.7	684.8	650.7	609.2	558.7	518.5	473.1
45°	994.2	960.1	931.5	894.9	865.0	816.7	776.9	721.6	671.1	618.3	563.0
47.5°	1169.2	1126.9	1085.4	1049.1	1001.6	954.1	903.4	844.7	779.9	722.1	656.4
50°	1370.1	1310.1	1252.7	1206.0	1140.8	1085.9	1031.0	964.8	893.1	826.6	751.8
52.5°	1593.5	1524.0	1447.9	1376.2	1300.6	1230.1	1164.0	1088.0	1008.1	926.8	843.4
55°	1863.2	1810.9	1721.4	1630.2	1529.1	1435.0	1349.9	1255.6	1158.4	1051.7	964.0
57.5°	2285.3	2259.8	2185.0	2093.9	1962.2	1847.6	1703.3	1587.9	1447.1	1300.2	1187.0
60°	2857.4	2825.9	2783.9	2710.1	2605.5	2450.0	2290.9	2111.6	1897.3	1693.8	1500.7
62.5°	3162.4	3151.2	3117.0	3066.1	2968.4	2845.7	2685.4	2488.4	2246.4	1999.3	1752.9
63°	3171.6	3157.2	3127.8	3076.0	2990.1	2871.2	2714.0	2522.5	2285.8	2033.9	1782.3
65°	3048.8	3043.2	3013.4	2956.8	2898.0	2807.3	2685.4	2520.8	2322.1	2083.9	1833.8
67.5°	2704.0	2687.2	2641.3	2624.0	2583.0	2519.9	2427.0	2313.8	2171.6	1984.6	1768.6
70°	2287.0	2262.0	2204.5	2173.9	2123.7	2083.9	2027.4	1946.5	1858.8	1728.4	1567.2
72.5°	1845.0	1793.1	1740.5	1660.5	1590.5	1519.6	1457.0	1399.9	1303.6	1250.9	1128.6
75°	1198.1	1104.0	1013.7	892.7	783.8	687.4	593.7	546.1	447.2	407.0	349.6
77.5°	568.7	515.9	445.0	390.1	320.2	261.4	213.5	160.3	125.8	98.5	75.2
80°	458.9	414.3	371.6	321.9	269.2	214.8	164.7	123.2	87.3	60.5	42.8
82.5°	409.2	360.7	308.1	274.0	238.0	194.9	159.9	130.5	96.4	70.4	48.0
85°	159.0	134.0	103.3	84.3	65.7	54.0	48.8	33.7	26.3	20.7	16.0
87.5°	13.9	11.3	9.1	6.0	6.5	3.4	3.9	2.6	2.1	2.1	1.8
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°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	95.5	95.1	94.6	93.8	93.8	92.9	92.5	92.0	89.9	85.1	81.2
5°	100.3	99.3	98.5	97.2	96.4	95.1	94.2	92.9	88.2	79.1	71.3
7.5°	107.2	105.4	104.1	101.6	100.3	98.5	97.2	95.1	87.3	73.5	62.7
10°	115.3	112.4	110.1	107.2	104.6	102.4	100.3	97.2	86.4	67.4	54.9
12.5°	125.3	121.9	117.5	114.0	110.6	107.6	104.6	100.7	85.1	62.2	48.8
15°	135.3	130.0	127.1	122.3	117.5	113.2	108.9	105.4	85.6	56.6	43.6
17.5°	146.5	141.3	134.8	129.6	124.5	118.8	113.7	106.7	83.3	52.3	39.7
20°	157.3	150.0	143.9	137.4	130.0	123.2	116.7	110.6	81.7	48.0	36.3
22.5°	168.9	160.3	152.6	144.3	135.3	127.4	119.7	111.9	78.6	44.1	33.3
25°	183.2	173.3	162.0	152.1	142.6	133.1	123.2	113.7	75.6	40.7	31.1
27.5°	200.5	187.5	176.3	163.7	150.3	138.2	127.4	117.1	72.6	38.0	28.9
30°	222.5	207.4	191.4	175.4	161.2	147.3	132.2	119.3	69.6	35.4	26.8
32.5°	251.9	232.9	213.5	194.9	175.8	158.1	142.1	125.3	67.8	33.3	24.7
35°	290.8	266.1	242.4	219.1	196.2	174.6	153.9	134.8	67.8	30.7	22.0
37.5°	327.5	299.0	268.7	239.8	212.6	187.5	162.9	140.0	64.4	28.6	19.9
40°	367.3	333.1	297.7	263.5	230.7	199.6	171.5	145.2	61.4	26.0	17.7
42.5°	428.2	385.0	338.8	299.0	259.7	221.2	186.2	155.2	57.5	23.3	15.5
45°	508.1	453.3	398.8	350.4	300.3	253.2	211.7	173.3	56.6	21.2	13.4
47.5°	593.7	528.8	464.9	403.2	344.4	289.5	239.8	193.6	56.6	19.0	11.6
50°	678.8	597.6	529.3	457.6	391.4	326.7	267.4	214.8	57.0	17.3	9.5
52.5°	755.7	668.8	592.4	509.4	436.4	361.2	296.8	235.4	56.2	15.2	7.8
55°	862.4	760.5	671.9	580.3	494.7	410.0	337.0	266.6	56.6	13.4	6.5
57.5°	1059.1	939.4	832.7	712.5	614.0	504.7	416.1	330.5	61.8	11.3	4.7
60°	1341.2	1185.7	1035.7	889.2	763.9	633.9	519.0	418.2	72.6	9.1	3.4
62.5°	1530.9	1327.4	1148.5	986.9	841.3	705.1	579.8	465.4	79.9	7.3	2.1
63°	1550.3	1339.9	1160.2	993.4	844.7	708.7	582.4	468.8	80.4	6.9	2.1
65°	1587.1	1361.5	1166.6	994.7	841.3	703.9	580.7	468.4	81.2	5.6	1.8
67.5°	1545.1	1328.2	1129.0	957.5	811.0	675.8	559.2	451.1	80.8	3.9	1.3
70°	1381.8	1202.1	1027.1	867.2	734.1	611.8	509.0	411.4	74.3	2.6	0.8
72.5°	1014.5	892.3	756.6	641.2	553.0	459.4	391.9	308.9	57.5	1.8	0.5
75°	300.7	274.0	230.3	203.1	179.3	148.2	131.8	102.8	29.4	0.8	0.0
77.5°	60.1	54.4	48.8	44.5	42.0	35.9	34.1	28.1	12.1	0.5	0.0
80°	31.5	26.0	22.0	19.4	16.8	13.9	11.6	9.5	2.1	0.0	0.0
82.5°	30.2	20.3	14.7	12.1	10.3	8.2	6.5	4.7	1.3	0.0	0.0
85°	11.3	8.7	6.5	5.2	4.3	3.9	3.1	2.6	0.0	0.0	0.0
87.5°	1.8	1.3	1.3	0.8	0.8	0.5	0.5	0.5	0.0	0.0	0.0
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	77.3	73.9	72.2	70.0	70.0	69.6	70.4
5°	64.4	59.6	56.2	53.6	54.0	52.7	53.1
7.5°	54.4	49.7	46.7	44.9	44.5	44.1	44.1
10°	47.1	42.8	40.2	38.9	38.4	38.4	38.4
12.5°	42.0	37.6	35.4	34.6	34.6	34.1	34.1
15°	37.6	34.1	32.0	31.1	31.1	30.7	31.1
17.5°	34.1	30.7	28.9	28.1	28.1	27.6	27.6
20°	31.1	28.1	26.3	25.0	25.0	24.7	25.0
22.5°	28.6	25.5	23.3	22.5	22.0	21.6	22.0
25°	26.0	22.9	20.7	19.4	19.0	19.0	18.6
27.5°	23.7	20.7	18.1	16.8	16.5	16.5	16.0
30°	21.6	18.1	15.5	14.2	13.9	13.9	13.9
32.5°	19.4	15.5	13.4	12.1	11.6	11.6	11.6
35°	17.3	13.4	11.3	10.0	9.5	9.5	9.5
37.5°	14.7	11.3	8.7	7.8	7.3	6.9	6.9
40°	12.6	8.7	6.5	5.6	4.7	4.7	4.7
42.5°	10.3	6.9	4.7	3.4	3.1	2.6	3.1
45°	8.7	5.2	3.1	1.8	1.3	1.3	1.3
47.5°	6.9	3.4	1.3	0.5	0.5	0.5	0.5
50°	5.2	2.1	0.5	0.0	0.0	0.5	0.5
52.5°	3.9	1.3	0.0	0.0	0.0	0.0	0.0
55°	2.1	0.5	0.0	0.0	0.0	0.0	0.0
57.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)