

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: P181344

Luminaire Tested: **ICM-F03-LED-E1-T3-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181344  
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: ICM-F03-LED-E1-T3-HSS  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3755.9 lumens  
Efficiency: N/A  
Efficacy: 48.0 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): 78.3  
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

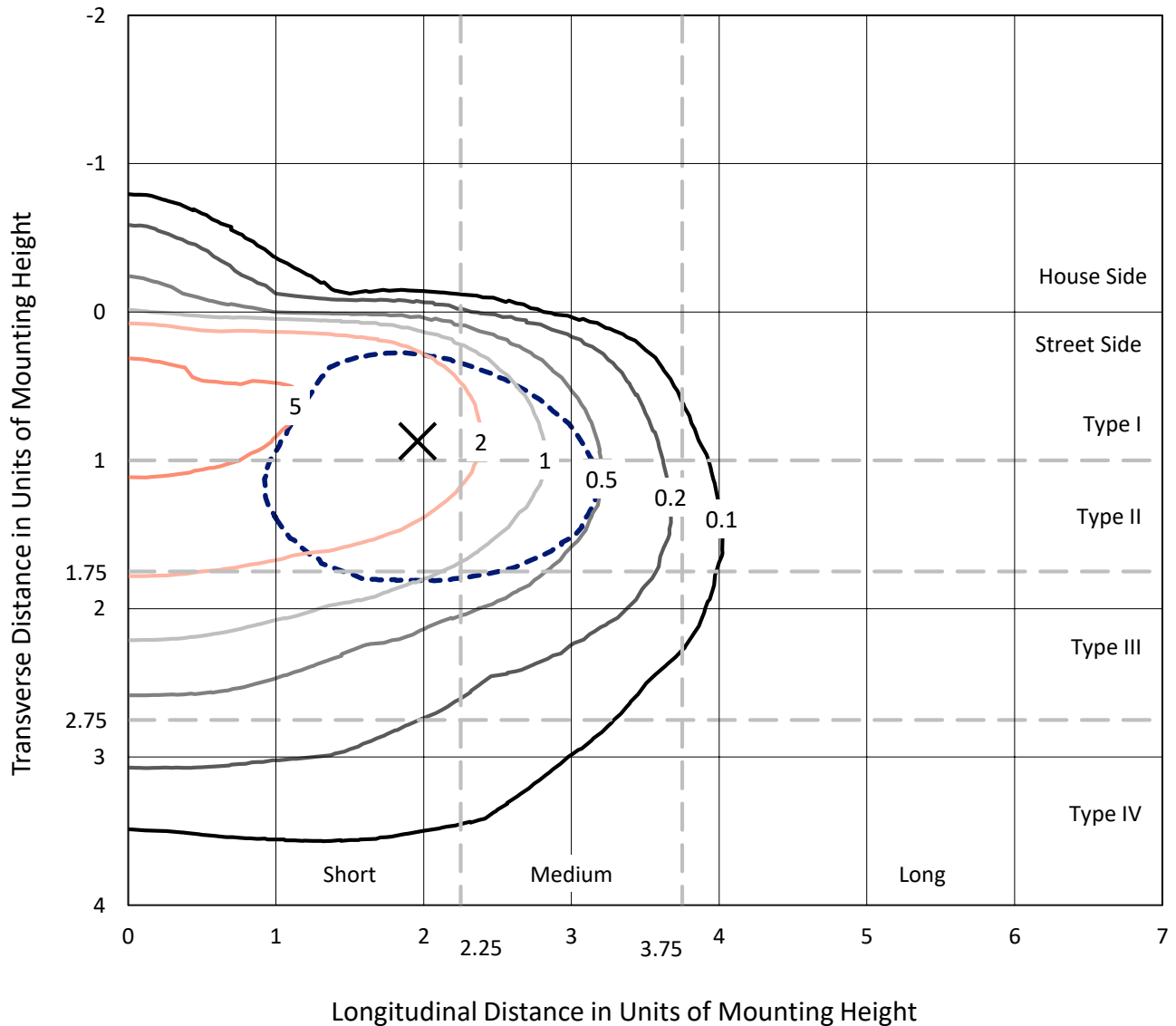


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

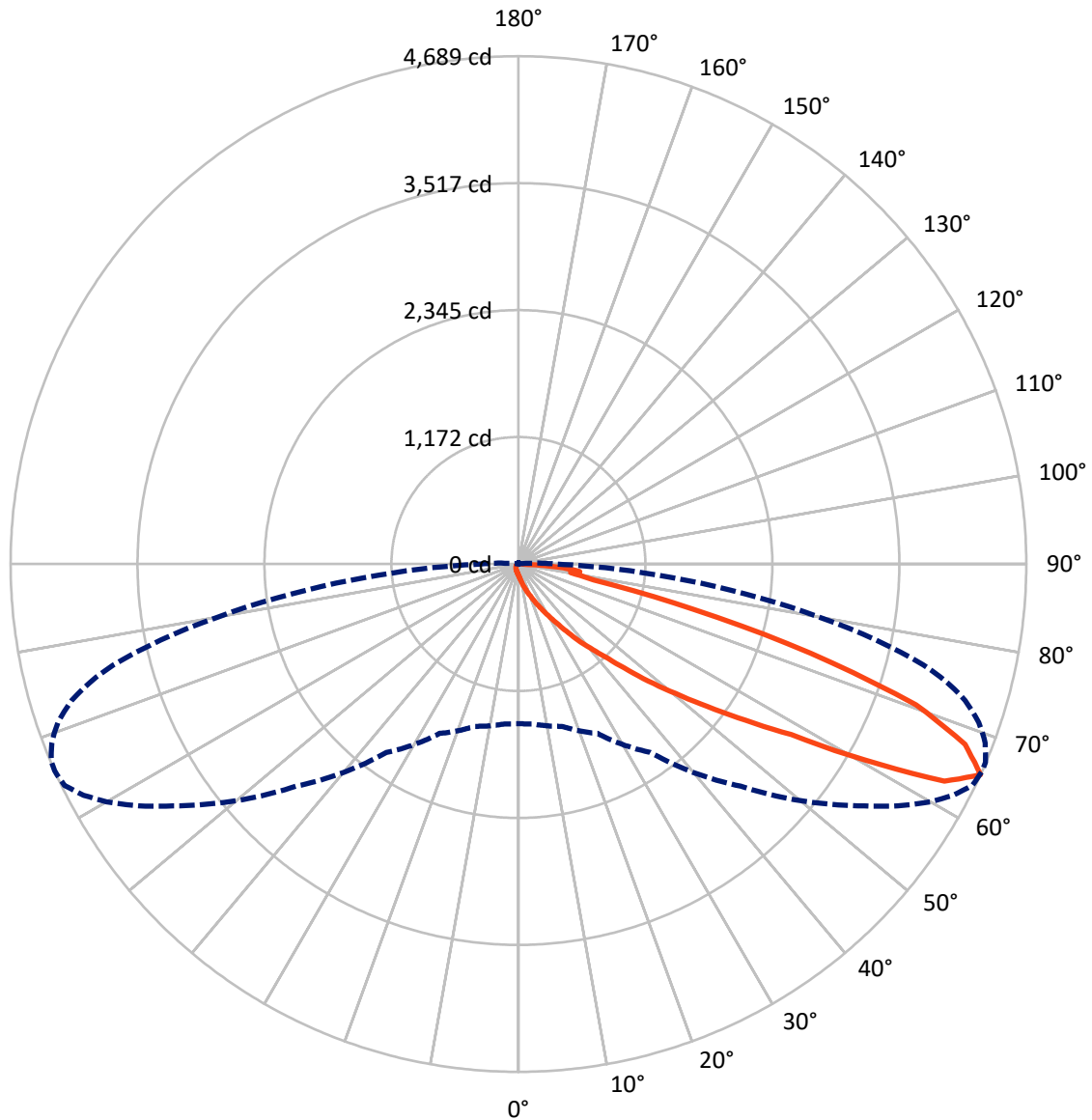


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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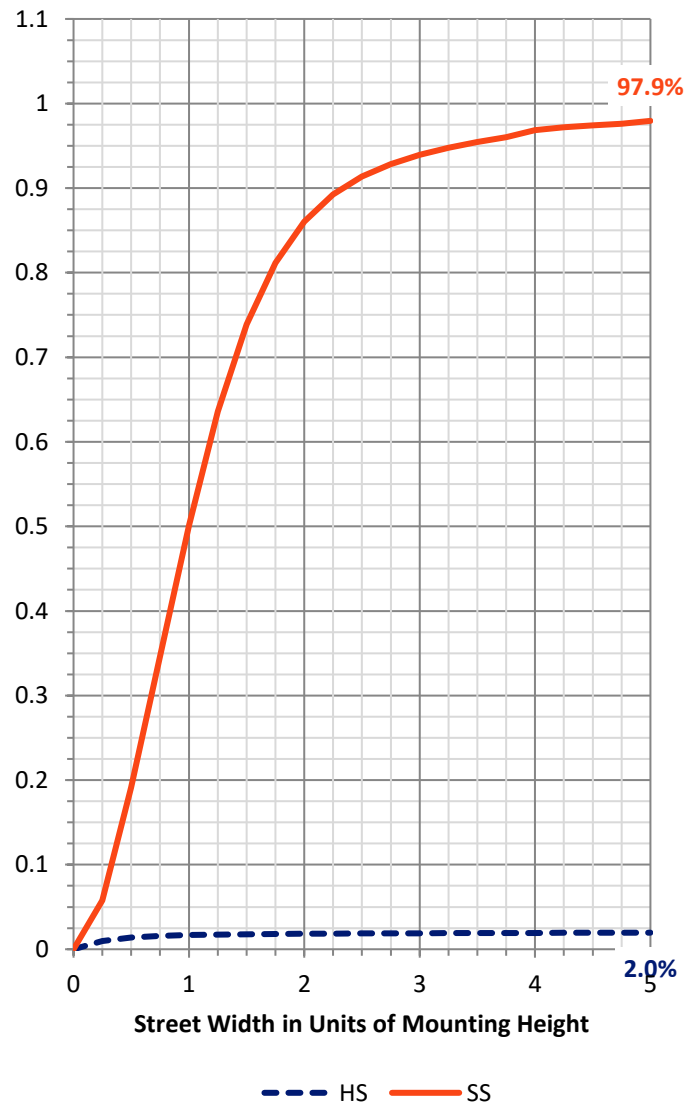
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	75.4	0.0	75.4
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	3680.5	0.0	3680.5
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	3755.9	0.0	3755.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.8	0.3
10°-20°	61.1	1.6
20°-30°	139.5	3.7
30°-40°	265.4	7.1
40°-50°	532.7	14.2
50°-60°	942.6	25.1
60°-70°	1231.6	32.8
70°-80°	506.4	13.5
80°-90°	63.8	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°	3755.9	100.0
0°-180°	3755.9	100.0



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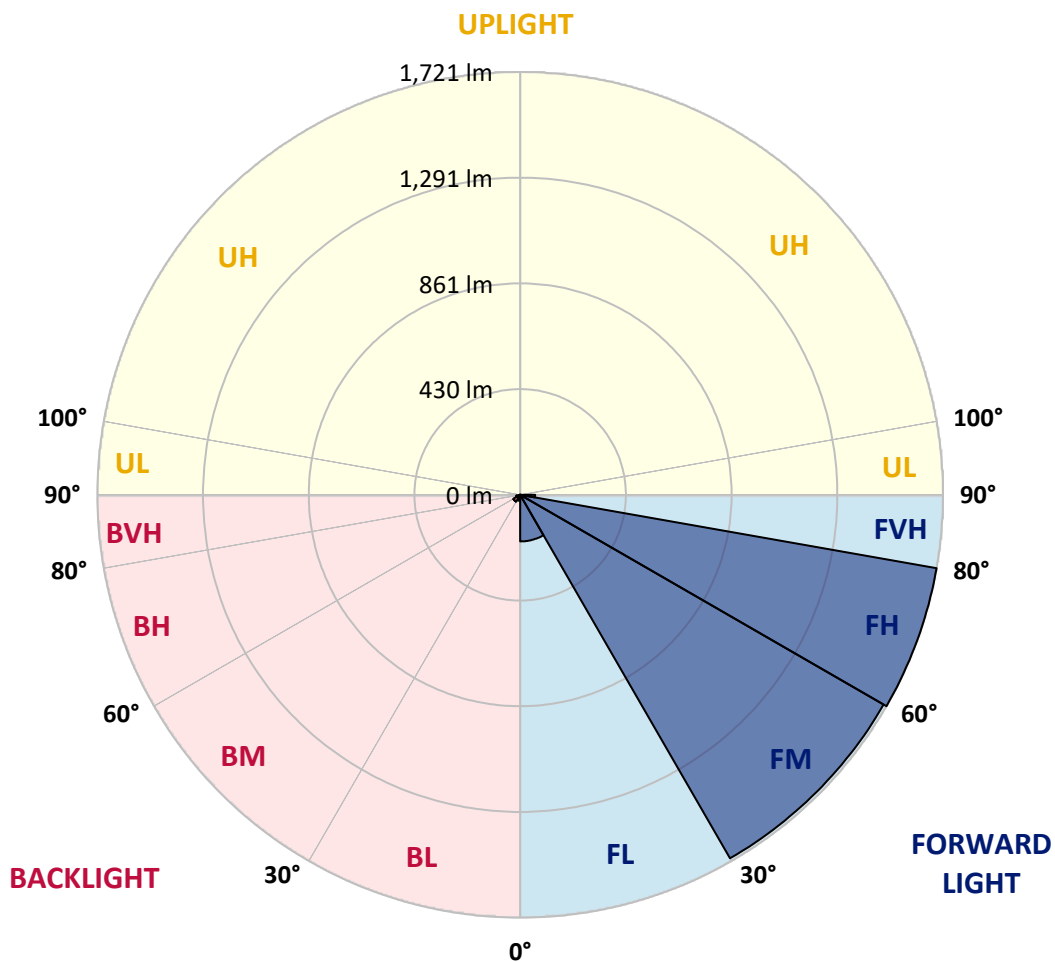
CATALOG NUMBER: ICM-F03-LED-E1-T3-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.8	5.1			
FM	(30°-60°)	1708.5	45.5			
FH	(60°-80°)	1721.3	45.8			G1/1800
FVH	(80°-90°)	60.9	1.6			G1/100
BL	(0°-30°)	23.6	0.6	B0/110		
BM	(30°-60°)	32.3	0.9	B0/220		
BH	(60°-80°)	16.7	0.4	B0/110		G0/110
BVH	(80°-90°)	2.9	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5
2.5°	138.2	135.9	136.7	132.1	129.0	125.2	122.1	121.3	120.6	119.1	119.8
5°	198.9	196.6	191.3	182.0	173.6	160.5	147.4	146.7	144.4	142.0	140.6
7.5°	276.5	272.7	266.5	251.1	230.4	207.4	181.2	178.9	175.8	172.7	169.7
10°	366.3	364.0	352.5	334.8	303.4	265.7	222.0	219.6	212.7	208.8	205.8
12.5°	460.7	450.8	446.1	415.4	379.4	327.9	271.8	263.4	258.0	252.7	244.9
15°	532.2	533.7	523.0	498.4	456.2	396.3	326.3	317.1	309.5	299.5	290.2
17.5°	596.7	593.6	582.1	566.7	526.8	466.1	384.7	372.5	360.2	354.8	341.8
20°	648.9	647.4	638.1	623.5	592.8	534.5	446.1	436.2	422.3	413.1	398.5
22.5°	690.3	690.3	685.0	676.6	646.6	599.7	511.4	500.7	486.9	475.4	459.3
25°	723.4	722.6	723.4	719.5	699.6	656.6	578.2	566.0	554.4	540.7	525.3
27.5°	761.0	762.5	761.0	758.7	750.2	715.7	645.9	637.4	624.4	609.8	594.4
30°	819.4	814.8	814.1	812.5	802.5	781.0	715.7	705.8	695.7	685.8	675.0
32.5°	880.8	873.1	870.8	870.8	863.9	844.7	796.4	791.0	776.4	768.7	759.4
35°	950.7	947.6	944.6	945.3	942.2	922.3	882.3	883.9	879.3	863.9	854.7
37.5°	1052.8	1053.6	1048.2	1038.2	1038.2	1020.6	997.6	994.5	983.0	979.1	973.8
40°	1198.7	1194.9	1190.3	1175.7	1170.3	1140.4	1118.9	1111.2	1102.0	1101.2	1095.1
42.5°	1367.7	1363.1	1363.1	1352.3	1341.6	1305.5	1264.8	1259.4	1249.4	1252.5	1250.2
45°	1524.4	1528.2	1533.6	1541.2	1542.8	1527.5	1468.3	1461.4	1456.0	1452.9	1450.6
47.5°	1659.5	1666.4	1684.1	1717.1	1759.4	1764.8	1717.9	1699.5	1695.6	1690.2	1685.6
50°	1756.3	1766.2	1806.2	1870.7	1952.8	2003.5	1978.2	1962.8	1962.1	1947.5	1946.0
52.5°	1811.5	1822.3	1887.5	1985.1	2112.6	2211.6	2243.2	2242.3	2240.9	2227.7	2222.4
55°	1823.8	1835.4	1913.7	2046.5	2228.6	2399.8	2520.4	2523.5	2530.3	2526.5	2526.5
57.5°	1790.1	1804.7	1889.9	2054.2	2289.2	2548.8	2812.2	2829.9	2838.2	2868.2	2902.8
60°	1727.8	1738.6	1823.8	2007.4	2299.9	2684.7	3191.6	3247.6	3291.4	3350.5	3406.5
62.5°	1612.7	1634.1	1715.5	1915.3	2267.7	2841.3	3644.6	3748.3	3833.5	3923.4	4031.7
65°	1472.9	1482.1	1551.3	1725.6	2123.4	2901.2	3895.0	3996.3	4105.4	4201.3	4298.2
67.5°	1297.8	1305.5	1365.4	1439.9	1752.4	2620.9	3648.5	3760.6	3858.9	3938.0	4064.7
70°	850.1	867.0	1013.7	1087.4	1224.8	1937.5	2983.5	3091.7	3167.0	3220.8	3367.4
72.5°	622.8	633.6	692.7	844.7	878.5	1145.0	2099.5	2217.0	2244.7	2346.1	2414.4
75°	380.1	407.0	540.7	723.4	856.3	784.1	1257.9	1314.7	1378.4	1452.2	1517.4
77.5°	76.8	87.5	176.7	498.4	753.3	837.8	751.1	761.8	793.3	800.2	824.7
80°	12.3	13.0	23.1	215.0	436.2	677.3	751.1	741.0	723.4	711.1	698.8
82.5°	5.4	6.1	10.0	54.5	92.9	225.8	649.7	700.4	758.7	791.0	799.4
85°	2.3	2.3	3.8	10.8	13.9	15.3	109.9	145.1	258.8	344.0	396.3
87.5°	1.6	1.6	2.3	2.3	3.1	3.8	5.4	5.4	6.1	6.9	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°	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5
2.5°	119.8	119.1	119.1	116.7	116.7	116.0	116.0	115.2	115.2	113.7	114.4
5°	139.7	138.2	136.7	134.4	133.6	132.1	130.5	128.3	127.4	126.0	125.2
7.5°	166.6	165.1	162.0	157.4	154.3	151.3	148.2	145.1	142.8	140.6	139.0
10°	199.6	195.1	193.5	184.3	180.5	174.3	170.5	167.4	162.8	159.0	156.7
12.5°	239.6	235.7	228.1	215.8	209.7	204.3	197.4	191.3	186.6	179.7	175.1
15°	281.0	278.0	267.3	253.4	245.8	235.7	228.8	222.7	212.7	208.1	199.6
17.5°	333.3	324.1	313.3	293.4	283.4	274.9	262.6	253.4	247.3	233.5	225.8
20°	387.1	377.0	363.3	340.9	327.2	314.0	304.1	291.8	278.8	269.6	256.5
22.5°	448.5	432.4	421.6	394.0	377.9	364.0	347.1	334.0	321.0	306.4	291.8
25°	513.8	497.6	484.6	453.1	436.2	422.3	402.4	384.0	367.8	351.7	334.8
27.5°	582.1	567.5	552.9	520.7	506.0	486.9	468.5	447.0	426.2	411.6	388.6
30°	661.2	648.9	632.7	598.2	582.1	562.1	542.9	517.6	497.6	477.7	455.4
32.5°	746.4	736.5	719.5	688.8	669.7	652.7	632.0	607.4	579.0	558.3	532.2
35°	850.1	833.2	823.3	794.1	779.4	761.0	739.5	718.1	688.1	658.9	636.7
37.5°	968.4	960.7	947.6	920.0	909.2	890.1	876.2	854.7	831.6	794.8	771.0
40°	1089.7	1084.3	1072.8	1045.1	1034.4	1021.3	1005.2	984.5	956.8	937.7	902.3
42.5°	1244.1	1235.6	1226.4	1200.3	1179.5	1163.4	1156.5	1138.9	1109.7	1085.1	1057.4
45°	1439.9	1436.0	1423.7	1397.7	1376.9	1366.1	1355.5	1325.5	1306.2	1281.7	1262.5
47.5°	1676.4	1664.1	1658.0	1628.8	1621.9	1613.4	1585.8	1568.8	1541.2	1522.1	1498.2
50°	1932.1	1919.1	1919.8	1884.5	1886.1	1879.9	1859.2	1839.2	1815.4	1798.5	1783.9
52.5°	2207.1	2213.2	2197.9	2208.6	2196.3	2182.4	2178.6	2154.1	2133.3	2132.6	2112.6
55°	2544.9	2535.0	2538.8	2549.5	2532.7	2548.0	2540.3	2508.9	2509.6	2515.7	2492.8
57.5°	2908.2	2922.7	2954.3	2961.1	2990.3	2970.3	3022.6	2984.9	3008.0	3008.0	2992.7
60°	3441.1	3499.5	3575.5	3634.6	3689.1	3671.5	3739.8	3696.9	3727.6	3701.4	3688.4
62.5°	4083.1	4160.7	4250.5	4346.5	4401.8	4415.7	4405.6	4424.9	4394.9	4375.7	4325.8
65°	4391.8	4468.6	4546.9	4662.2	4677.5	4689.1	4684.4	4652.1	4615.3	4560.8	4495.5
67.5°	4135.4	4242.8	4286.6	4419.5	4464.0	4447.8	4453.2	4411.7	4354.2	4300.4	4204.4
70°	3428.9	3551.7	3574.7	3765.1	3818.2	3895.0	3867.3	3855.0	3792.0	3746.7	3640.8
72.5°	2496.6	2592.6	2584.9	2799.1	2789.9	2821.4	2895.9	2892.9	2826.8	2812.2	2723.1
75°	1536.7	1594.2	1591.2	1743.2	1679.5	1670.2	1691.0	1681.8	1619.5	1555.1	1499.8
77.5°	814.1	840.1	812.5	767.2	762.5	711.1	696.6	695.7	648.1	589.8	546.8
80°	685.8	658.9	626.6	560.6	522.2	487.6	455.4	425.4	393.2	350.1	298.0
82.5°	800.9	787.9	764.8	682.0	642.0	572.8	521.4	473.0	414.0	369.4	302.6
85°	390.1	389.3	407.8	399.4	384.7	381.7	331.0	320.2	296.5	271.8	227.4
87.5°	10.8	7.7	9.2	7.7	9.2	10.0	6.9	16.1	10.0	9.2	10.8
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5
2.5°	113.7	112.9	112.1	112.1	111.3	111.3	110.6	109.9	109.9	109.0	109.0
5°	123.6	122.1	121.3	120.6	119.1	118.2	116.7	116.0	114.4	113.7	112.1
7.5°	135.9	134.4	131.3	129.8	127.4	126.7	122.9	121.3	119.8	118.2	116.0
10°	151.3	147.4	144.4	141.3	137.5	134.4	131.3	129.0	126.0	122.1	120.6
12.5°	170.5	165.1	160.5	155.2	150.5	145.9	140.6	136.7	132.1	128.3	124.4
15°	192.0	184.3	178.1	170.5	162.8	157.4	152.1	146.7	140.6	135.2	130.5
17.5°	216.6	206.6	198.1	188.9	180.5	172.7	163.5	156.7	149.8	142.0	135.9
20°	242.7	232.7	221.2	211.2	198.9	190.4	178.9	169.7	159.7	152.1	143.6
22.5°	277.2	264.2	249.6	235.7	222.7	209.7	197.4	185.9	173.6	162.0	153.6
25°	318.0	301.8	283.4	269.6	251.1	236.6	221.2	206.6	193.5	178.9	165.1
27.5°	368.7	347.1	327.2	307.9	288.0	269.6	249.6	232.7	215.0	198.1	182.8
30°	427.7	407.0	377.0	355.5	335.6	310.2	290.2	268.0	248.0	223.4	206.6
32.5°	506.0	479.2	447.7	419.3	393.2	364.7	337.1	308.7	282.6	260.4	235.0
35°	608.2	576.7	539.1	503.0	473.8	439.3	403.9	371.7	341.8	309.5	278.0
37.5°	737.2	708.0	667.4	623.5	584.4	542.9	506.0	460.7	420.8	381.7	341.8
40°	865.5	838.6	796.4	749.5	698.8	651.2	604.4	552.9	502.2	453.1	411.6
42.5°	1023.6	983.7	938.4	885.4	836.3	779.4	721.1	662.0	601.3	542.1	483.1
45°	1222.5	1191.8	1128.1	1071.3	1012.9	946.1	873.9	806.3	728.7	658.9	580.6
47.5°	1464.5	1409.1	1362.3	1310.1	1237.1	1172.7	1080.5	1000.7	903.8	811.0	717.2
50°	1750.2	1719.5	1657.2	1591.9	1512.8	1436.0	1346.1	1231.0	1115.1	1016.0	887.7
52.5°	2084.2	2040.4	2001.2	1933.7	1853.0	1754.7	1652.6	1527.5	1385.3	1245.6	1108.9
55°	2480.4	2449.7	2412.1	2358.3	2255.5	2144.1	2021.2	1871.5	1703.3	1515.2	1356.2
57.5°	2991.8	2959.6	2923.6	2812.9	2743.1	2606.3	2428.2	2273.1	2091.8	1850.7	1653.4
60°	3689.9	3646.2	3595.5	3505.6	3359.7	3182.3	2991.1	2761.5	2539.6	2276.2	2017.4
62.5°	4286.6	4216.8	4108.5	3992.5	3817.4	3613.9	3373.5	3103.2	2850.5	2554.2	2266.2
65°	4409.5	4313.5	4186.0	4034.7	3854.3	3624.7	3373.5	3114.7	2817.6	2538.8	2249.3
67.5°	4090.0	3978.6	3848.1	3679.2	3507.2	3270.6	3054.1	2790.7	2511.2	2270.1	2011.2
70°	3564.8	3399.6	3266.1	3086.3	2912.0	2726.2	2498.1	2300.8	2073.4	1851.5	1653.4
72.5°	2677.0	2514.2	2392.9	2249.3	2145.6	1949.0	1781.6	1634.1	1499.8	1333.9	1187.3
75°	1443.0	1320.8	1239.4	1174.1	1081.2	951.4	871.6	770.2	713.4	644.3	577.5
77.5°	470.7	414.7	354.0	294.9	253.4	190.4	184.3	146.7	138.2	134.4	103.6
80°	241.1	185.9	134.4	96.7	73.8	65.3	62.2	59.2	56.1	53.8	50.0
82.5°	241.9	175.1	120.6	83.7	60.7	50.7	47.6	46.0	43.8	41.5	38.4
85°	176.7	130.5	89.9	61.4	42.2	33.8	32.3	30.0	28.4	27.6	24.6
87.5°	11.5	8.5	7.7	6.9	6.9	6.9	7.7	6.9	7.7	7.7	6.9
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5
2.5°	108.3	107.5	107.5	106.7	106.0	106.0	105.2	105.2	102.9	99.1	96.0
5°	111.3	109.9	109.0	108.3	107.5	106.0	105.2	104.5	100.6	92.9	86.8
7.5°	113.7	112.1	111.3	109.9	107.5	106.7	105.2	103.6	97.5	86.8	79.9
10°	117.5	115.2	112.9	110.6	108.3	106.7	104.5	102.9	93.7	81.4	74.5
12.5°	121.3	118.2	115.2	111.3	109.0	106.7	104.5	101.4	90.6	76.8	69.1
15°	126.0	121.3	117.5	113.7	109.9	106.7	102.9	100.6	87.5	72.9	66.0
17.5°	130.5	125.2	119.8	114.4	110.6	106.0	102.9	99.1	84.5	69.9	62.2
20°	135.9	128.3	122.9	116.7	111.3	106.0	101.4	97.5	81.4	66.0	58.3
22.5°	143.6	134.4	126.0	119.1	112.1	106.7	101.4	96.0	78.3	63.0	55.3
25°	153.6	142.0	132.1	123.6	115.2	108.3	102.1	96.7	76.0	60.7	51.4
27.5°	168.2	153.6	142.8	131.3	120.6	112.1	104.5	98.3	74.5	58.3	49.1
30°	185.9	171.3	154.3	140.6	129.0	117.5	109.0	99.8	72.9	56.1	46.0
32.5°	211.9	191.3	171.3	154.3	138.2	125.2	112.9	103.6	72.2	52.2	43.0
35°	249.6	221.2	197.4	175.1	152.8	136.7	122.1	109.9	71.4	49.1	39.9
37.5°	303.4	269.6	238.8	207.4	179.7	156.7	136.7	120.6	71.4	46.9	36.8
40°	360.9	317.1	278.0	238.8	203.5	174.3	147.4	127.4	69.9	43.8	33.8
42.5°	426.2	372.5	318.7	270.3	226.5	188.9	157.4	132.8	66.0	40.7	30.7
45°	513.8	443.1	378.6	316.4	259.5	210.4	170.5	139.0	62.2	38.4	27.6
47.5°	623.5	541.4	457.7	379.4	304.8	242.7	189.7	149.0	59.9	35.3	25.3
50°	787.2	670.4	559.8	460.0	365.5	284.1	218.0	163.5	57.6	33.0	23.1
52.5°	966.8	823.3	693.4	565.2	447.7	340.2	251.1	182.8	55.3	30.7	20.7
55°	1185.7	1009.0	850.9	684.2	533.7	405.5	291.8	204.3	52.2	28.4	19.2
57.5°	1456.0	1232.6	1045.1	841.7	652.7	490.0	346.3	240.4	49.1	25.3	16.9
60°	1757.8	1505.1	1269.4	1030.6	801.7	602.1	427.0	291.8	46.0	22.2	14.6
62.5°	1975.2	1697.9	1428.4	1160.4	909.2	685.8	492.3	331.7	41.5	19.2	13.0
65°	1972.8	1691.7	1420.7	1156.5	912.3	688.8	494.5	339.4	36.8	16.9	11.5
67.5°	1757.8	1521.3	1279.4	1042.1	828.6	626.6	457.7	314.9	31.4	15.3	10.0
70°	1446.1	1257.9	1066.7	878.5	707.3	536.7	395.4	274.1	26.9	13.9	8.5
72.5°	1055.9	918.4	801.7	668.8	552.2	423.9	315.6	215.0	21.5	11.5	7.7
75°	524.5	469.2	402.4	360.9	307.9	251.9	195.8	125.2	17.7	9.2	6.9
77.5°	99.8	89.1	85.2	73.8	67.5	59.9	53.0	37.7	13.9	6.9	6.1
80°	46.0	42.2	38.4	34.5	30.7	26.1	23.1	20.0	10.8	5.4	6.9
82.5°	36.1	33.0	29.2	26.1	23.1	20.0	16.9	14.6	6.9	4.7	6.9
85°	23.8	20.7	18.4	16.1	13.9	12.3	10.8	9.2	4.7	4.7	4.7
87.5°	6.9	6.9	6.1	6.1	5.4	5.4	4.7	4.7	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°	104.5	104.5	104.5	104.5	104.5	104.5	104.5
2.5°	92.9	89.1	87.5	86.8	86.8	87.5	86.8
5°	82.1	78.3	76.8	75.3	75.3	75.3	76.0
7.5°	75.3	71.4	69.1	68.4	67.5	68.4	68.4
10°	69.1	66.0	63.0	61.4	61.4	61.4	61.4
12.5°	64.5	60.7	57.6	56.8	56.1	56.1	56.1
15°	60.7	56.1	53.8	52.2	51.4	51.4	52.2
17.5°	56.1	52.2	49.1	48.4	48.4	48.4	48.4
20°	53.0	48.4	46.0	44.6	44.6	44.6	44.6
22.5°	49.1	45.3	42.2	40.7	40.7	40.7	40.7
25°	46.0	42.2	39.2	37.7	37.7	37.7	37.7
27.5°	43.0	39.2	36.1	34.5	34.5	34.5	34.5
30°	39.9	36.1	33.0	31.4	31.4	31.4	31.4
32.5°	37.7	33.0	30.0	28.4	28.4	29.2	28.4
35°	33.8	30.0	26.9	25.3	25.3	25.3	25.3
37.5°	30.7	26.9	23.8	22.2	22.2	22.2	21.5
40°	28.4	23.8	20.7	19.2	18.4	18.4	18.4
42.5°	24.6	20.0	17.7	16.1	15.3	15.3	15.3
45°	22.2	17.7	14.6	13.0	13.0	13.0	13.0
47.5°	20.0	15.3	12.3	10.8	10.8	11.5	11.5
50°	17.7	13.0	10.0	10.0	10.0	10.8	10.8
52.5°	15.3	11.5	9.2	9.2	10.0	10.8	10.8
55°	13.9	10.0	8.5	9.2	10.0	10.8	10.8
57.5°	12.3	8.5	8.5	9.2	10.0	10.8	10.8
60°	10.8	7.7	7.7	8.5	10.0	10.8	10.8
62.5°	9.2	7.7	7.7	8.5	10.0	10.8	10.8
65°	8.5	7.7	7.7	8.5	10.0	10.8	10.8
67.5°	7.7	6.9	7.7	8.5	9.2	10.0	10.0
70°	6.9	6.9	7.7	8.5	9.2	10.0	10.0
72.5°	6.9	6.9	6.9	7.7	8.5	9.2	9.2
75°	6.9	6.9	6.9	7.7	8.5	9.2	9.2
77.5°	6.9	6.1	6.1	6.9	8.5	9.2	9.2
80°	6.9	6.1	6.1	6.9	7.7	9.2	9.2
82.5°	5.4	5.4	6.1	6.9	7.7	8.5	8.5
85°	4.7	5.4	5.4	6.1	6.9	8.5	8.5
87.5°	3.8	3.8	4.7	5.4	6.1	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)