

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: P181373

Luminaire Tested: **ICM-F06-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181373
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-F06-LED-E1-T3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6860.9 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

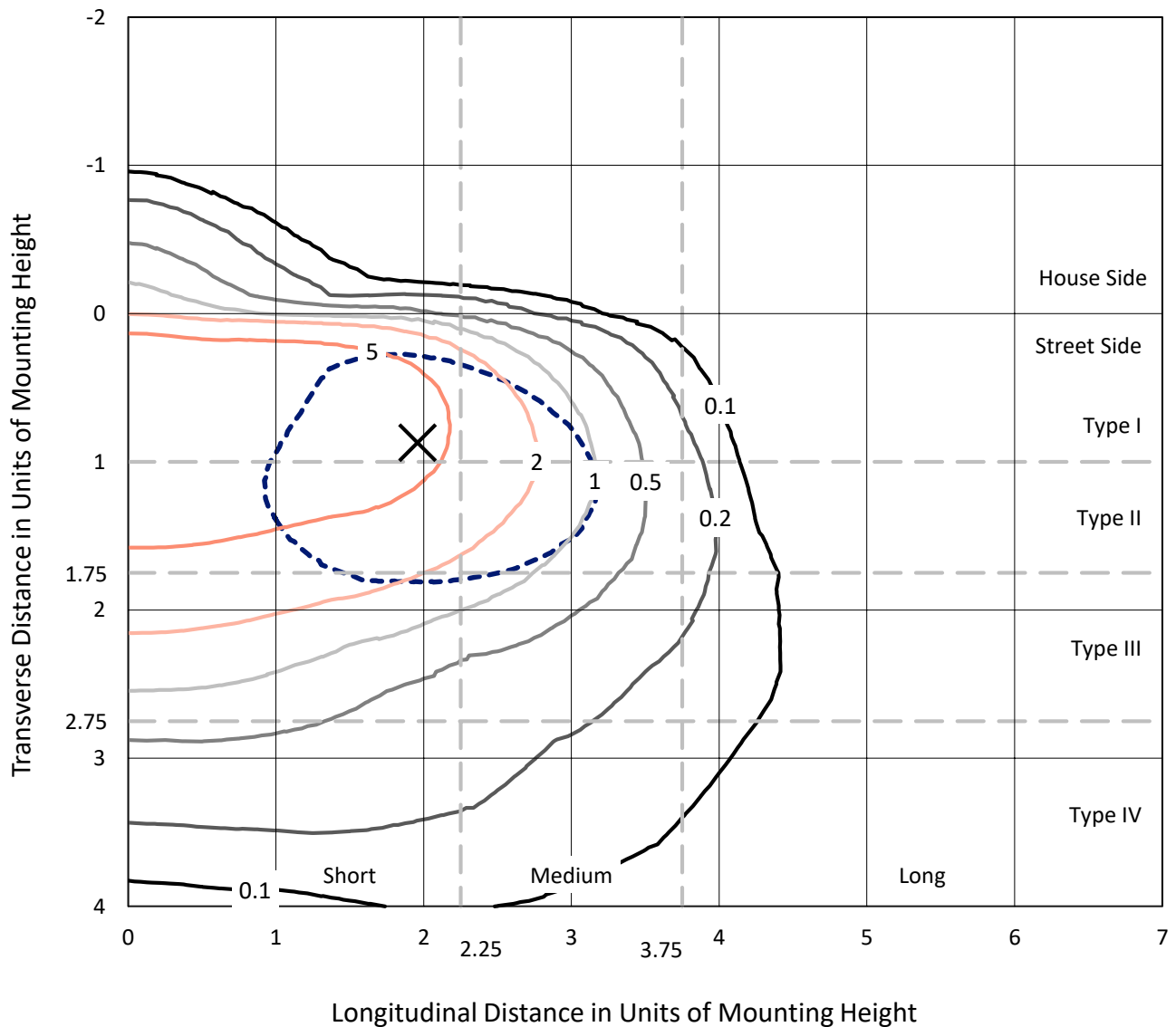
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

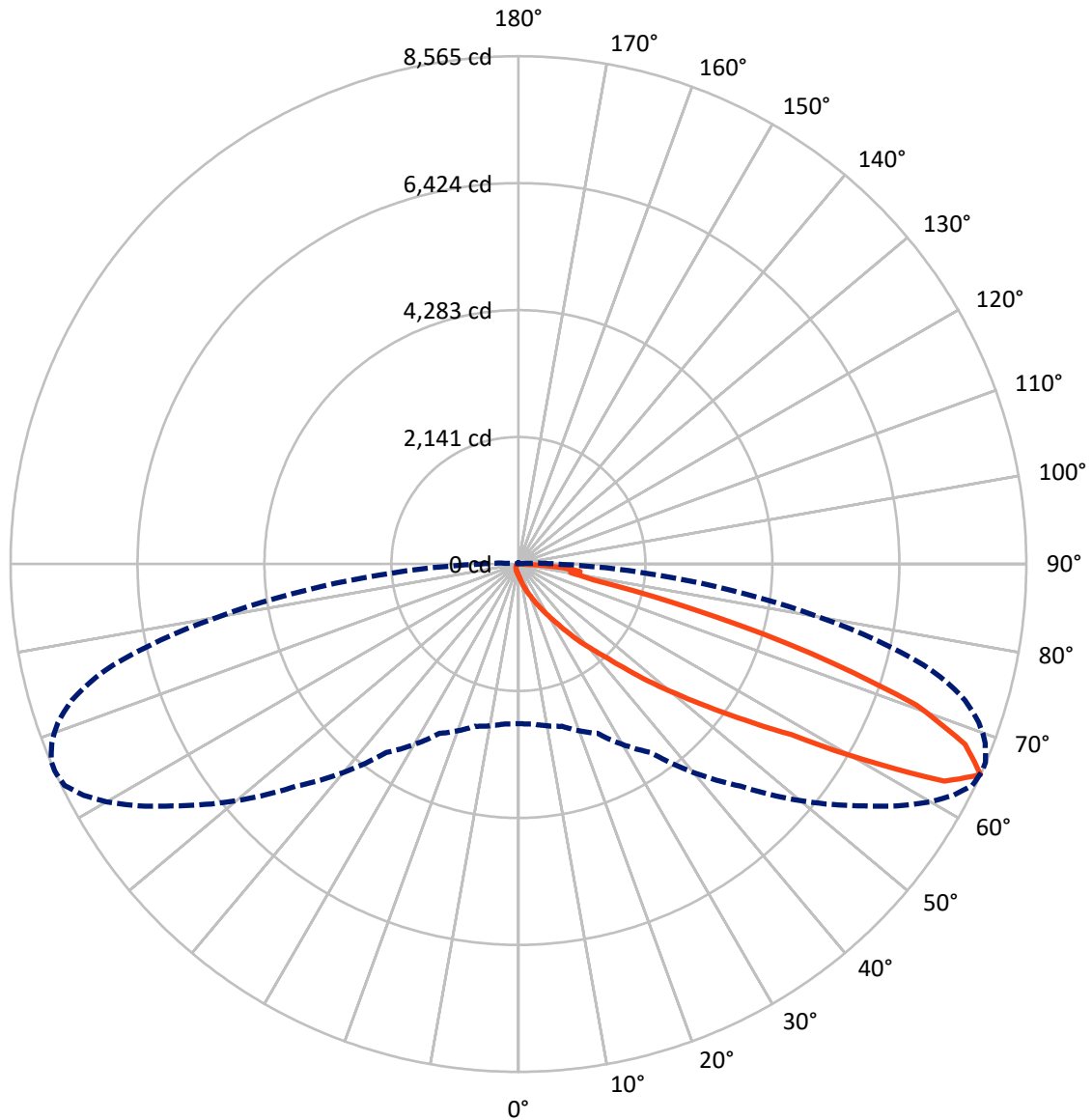
× Max cd
 - - - 1/2 Max cd



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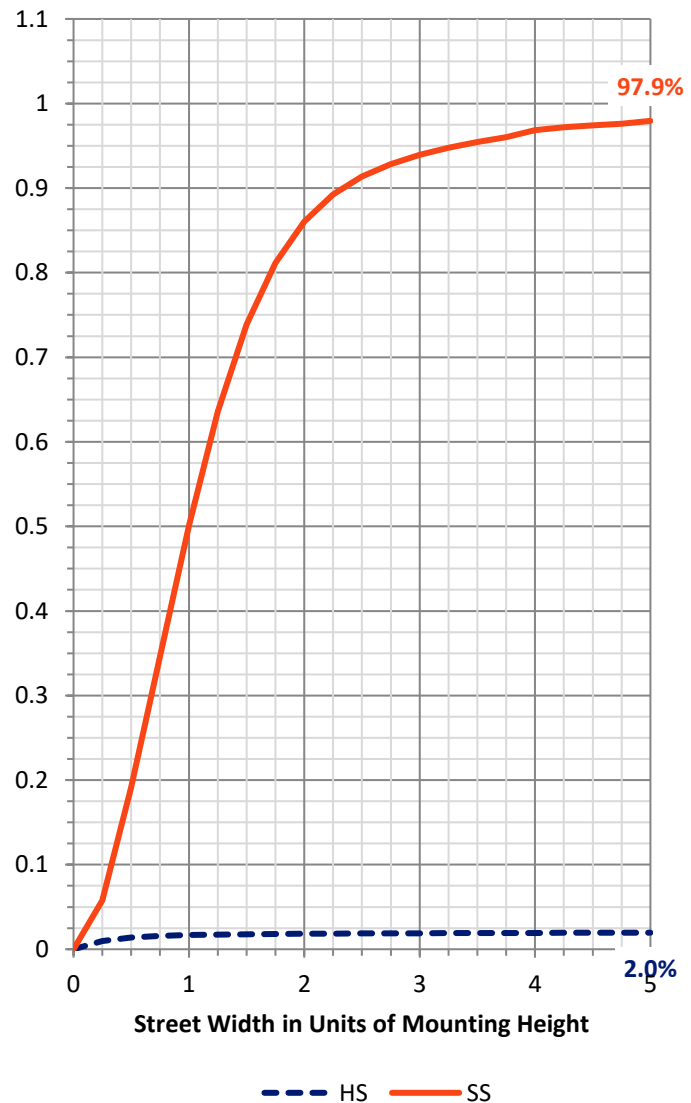
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	137.8	0.0	137.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	6723.2	0.0	6723.2
	% Fixture	98.0	0.0	98.0
Total	Lumens	6860.9	0.0	6860.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.3
10°-20°	111.6	1.6
20°-30°	254.9	3.7
30°-40°	484.8	7.1
40°-50°	973.1	14.2
50°-60°	1721.9	25.1
60°-70°	2249.8	32.8
70°-80°	925.0	13.5
80°-90°	116.6	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°	6860.9	100.0
0°-180°	6860.9	100.0



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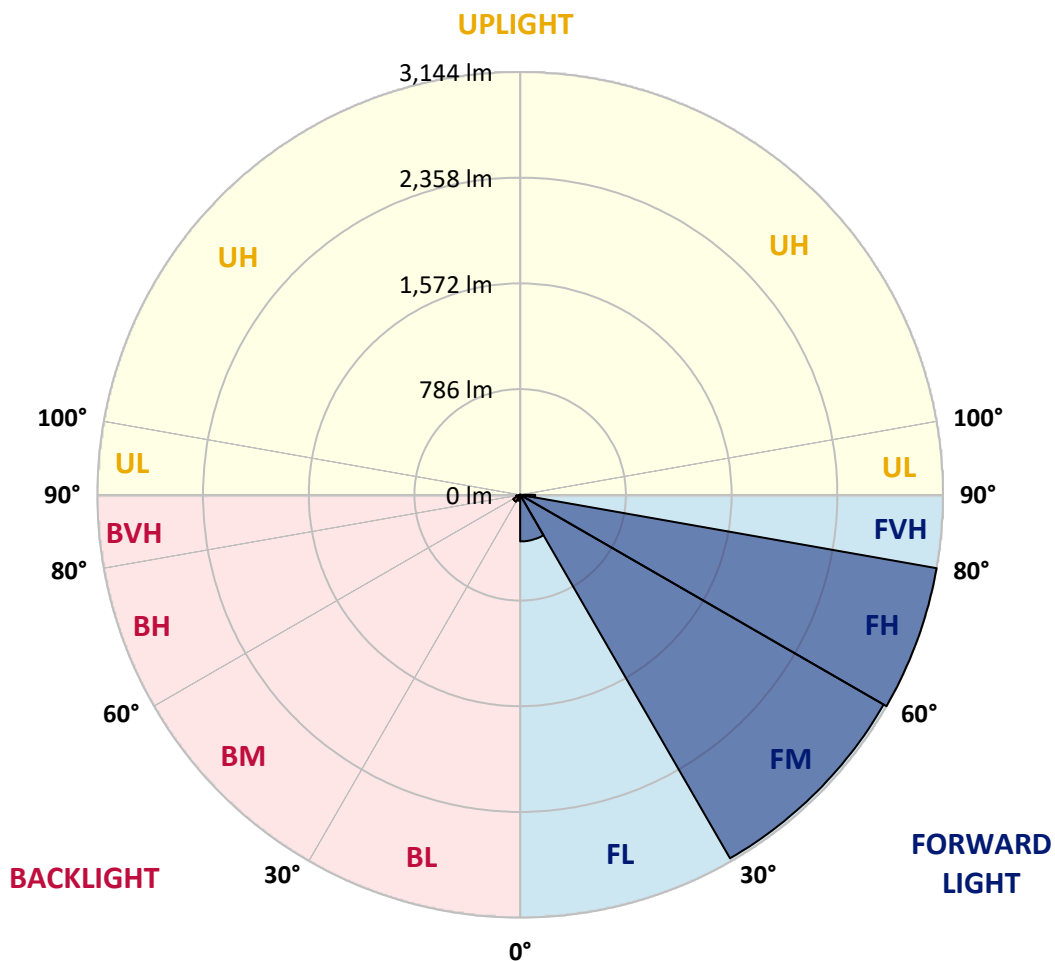
CATALOG NUMBER: ICM-F06-LED-E1-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.7	5.1			
FM (30°-60°)	3120.9	45.5			
FH (60°-80°)	3144.3	45.8			G2/5000
FVH (80°-90°)	111.3	1.6			G2/225
BL (0°-30°)	43.1	0.6	B0/110		
BM (30°-60°)	59.0	0.9	B0/220		
BH (60°-80°)	30.5	0.4	B0/110		G0/110
BVH (80°-90°)	5.2	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°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	252.5	248.3	249.7	241.3	235.6	228.7	223.1	221.7	220.3	217.4	218.8
5°	363.4	359.1	349.3	332.5	317.0	293.2	269.3	267.9	263.7	259.5	256.7
7.5°	505.0	498.0	486.8	458.7	420.8	378.8	331.1	326.9	321.2	315.6	310.0
10°	669.1	664.9	643.9	611.6	554.1	485.4	405.4	401.2	388.6	381.6	375.9
12.5°	841.7	823.4	815.0	758.9	692.9	599.0	496.6	481.1	471.4	461.5	447.4
15°	972.1	975.0	955.3	910.4	833.2	723.8	596.2	579.4	565.3	547.1	530.2
17.5°	1090.0	1084.4	1063.4	1035.3	962.3	851.4	702.8	680.4	657.9	648.1	624.3
20°	1185.3	1182.5	1165.7	1139.1	1083.0	976.4	815.0	796.7	771.5	754.7	728.0
22.5°	1261.1	1261.1	1251.3	1235.8	1181.1	1095.5	934.2	914.6	889.4	868.3	838.9
25°	1321.4	1320.0	1321.4	1314.4	1278.0	1199.4	1056.3	1033.9	1012.8	987.5	959.5
27.5°	1390.1	1392.9	1390.1	1386.0	1370.5	1307.4	1179.7	1164.3	1140.5	1113.8	1085.8
30°	1496.8	1488.4	1487.0	1484.2	1465.9	1426.6	1307.4	1289.1	1270.9	1252.7	1233.0
32.5°	1609.0	1595.0	1590.8	1590.8	1578.1	1543.1	1454.7	1444.8	1418.2	1404.2	1387.4
35°	1736.7	1731.1	1725.4	1726.8	1721.2	1684.8	1611.8	1614.6	1606.1	1578.1	1561.3
37.5°	1923.3	1924.7	1914.8	1896.6	1896.6	1864.3	1822.2	1816.6	1795.5	1788.6	1778.7
40°	2189.8	2182.7	2174.3	2147.6	2137.9	2083.2	2043.8	2029.9	2013.0	2011.6	2000.4
42.5°	2498.3	2490.0	2490.0	2470.3	2450.7	2384.8	2310.4	2300.6	2282.3	2287.9	2283.7
45°	2784.6	2791.6	2801.3	2815.4	2818.2	2790.2	2682.2	2669.5	2659.6	2654.1	2649.9
47.5°	3031.5	3044.0	3076.3	3136.7	3213.8	3223.6	3138.1	3104.4	3097.3	3087.6	3079.1
50°	3208.2	3226.4	3299.4	3417.2	3567.3	3659.8	3613.6	3585.5	3584.1	3557.5	3554.6
52.5°	3309.1	3328.9	3448.0	3626.2	3859.1	4040.0	4097.5	4096.1	4093.3	4069.5	4059.7
55°	3331.6	3352.7	3495.7	3738.4	4070.9	4383.7	4603.9	4609.5	4622.2	4615.2	4615.2
57.5°	3269.9	3296.6	3452.3	3752.5	4181.7	4655.8	5137.0	5169.2	5184.7	5239.4	5302.5
60°	3156.3	3175.9	3331.6	3666.9	4201.3	4904.1	5830.0	5932.4	6012.3	6120.3	6222.7
62.5°	2945.9	2985.1	3133.8	3498.5	4142.4	5190.4	6657.6	6847.0	7002.7	7166.8	7364.6
65°	2690.5	2707.4	2833.6	3152.0	3878.7	5299.8	7114.9	7300.1	7499.3	7674.7	7851.4
67.5°	2370.7	2384.8	2494.2	2630.2	3201.1	4787.8	6664.6	6869.4	7049.0	7193.5	7425.0
70°	1552.8	1583.7	1851.6	1986.3	2237.4	3539.3	5449.8	5647.7	5785.1	5883.3	6151.2
72.5°	1137.7	1157.3	1265.3	1543.1	1604.8	2091.5	3835.2	4049.9	4100.3	4285.5	4410.4
75°	694.4	743.4	987.5	1321.4	1564.1	1432.3	2297.8	2401.6	2518.0	2652.7	2771.9
77.5°	140.3	159.9	322.6	910.4	1376.1	1530.4	1371.9	1391.5	1449.1	1461.7	1506.6
80°	22.4	23.8	42.0	392.7	796.7	1237.2	1371.9	1353.7	1321.4	1299.0	1276.6
82.5°	9.9	11.3	18.2	99.6	169.8	412.4	1186.8	1279.4	1386.0	1444.8	1460.3
85°	4.2	4.2	7.0	19.6	25.2	28.1	200.6	265.1	472.7	628.5	723.8
87.5°	2.8	2.8	4.2	4.2	5.6	7.0	9.9	9.9	11.3	12.7	18.2
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°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	218.8	217.4	217.4	213.2	213.2	211.8	211.8	210.4	210.4	207.6	209.0
5°	255.4	252.5	249.7	245.5	244.1	241.3	238.5	234.2	232.8	230.0	228.7
7.5°	304.4	301.6	296.0	287.5	282.0	276.4	270.7	265.1	260.9	256.7	253.9
10°	364.7	356.3	353.5	336.7	329.7	318.4	311.4	305.8	297.4	290.4	286.1
12.5°	437.7	430.7	416.7	394.1	383.0	373.1	360.6	349.3	340.8	328.3	319.8
15°	513.4	507.8	488.2	462.9	448.9	430.7	418.0	406.8	388.6	380.2	364.7
17.5°	608.8	592.0	572.4	535.9	517.6	502.2	479.7	462.9	451.7	426.4	412.4
20°	707.0	688.7	663.5	622.8	597.6	573.8	555.5	533.0	509.2	492.4	468.6
22.5°	819.3	789.8	770.1	719.6	690.1	664.9	634.1	610.2	586.3	559.7	533.0
25°	938.4	909.0	885.1	827.6	796.7	771.5	735.1	701.4	671.9	642.5	611.6
27.5°	1063.4	1036.7	1010.1	951.1	924.5	889.4	855.7	816.4	778.5	751.9	709.8
30°	1207.8	1185.3	1155.9	1092.8	1063.4	1026.8	991.7	945.5	909.0	872.6	831.8
32.5°	1363.5	1345.3	1314.4	1258.3	1223.3	1192.4	1154.5	1109.6	1057.7	1019.8	972.1
35°	1552.8	1522.1	1503.8	1450.5	1423.8	1390.1	1350.9	1311.6	1256.9	1203.6	1162.9
37.5°	1768.9	1754.9	1731.1	1680.6	1660.9	1625.9	1600.6	1561.3	1519.2	1451.9	1408.4
40°	1990.5	1980.8	1959.7	1909.2	1889.6	1865.7	1836.3	1798.3	1747.9	1712.8	1648.3
42.5°	2272.5	2257.1	2240.3	2192.6	2154.7	2125.2	2112.6	2080.3	2027.0	1982.2	1931.6
45°	2630.2	2623.2	2600.8	2553.0	2515.2	2495.6	2475.9	2421.2	2386.2	2341.2	2306.2
47.5°	3062.3	3039.8	3028.6	2975.3	2962.7	2947.3	2896.8	2865.9	2815.4	2780.3	2736.9
50°	3529.4	3505.6	3507.0	3442.4	3445.2	3434.1	3396.1	3359.6	3316.2	3285.3	3258.7
52.5°	4031.7	4042.8	4014.8	4034.4	4011.9	3986.7	3979.7	3934.8	3897.0	3895.6	3859.1
55°	4648.9	4630.6	4637.6	4657.2	4626.4	4654.4	4640.4	4582.9	4584.3	4595.6	4553.4
57.5°	5312.3	5339.0	5396.5	5409.1	5462.5	5426.0	5521.3	5452.6	5494.7	5494.7	5466.6
60°	6285.9	6392.5	6531.4	6639.4	6739.0	6706.7	6831.6	6753.0	6809.2	6761.4	6737.6
62.5°	7458.7	7600.3	7764.4	7939.8	8040.8	8066.0	8047.8	8082.8	8028.1	7993.1	7901.9
65°	8022.6	8162.8	8305.9	8516.3	8544.3	8565.4	8557.0	8498.1	8430.7	8331.1	8212.0
67.5°	7554.0	7750.4	7830.4	8073.1	8154.4	8125.0	8134.7	8059.0	7953.8	7855.6	7680.2
70°	6263.5	6487.9	6530.0	6877.9	6974.6	7114.9	7064.4	7042.0	6926.9	6844.2	6650.6
72.5°	4560.5	4735.8	4721.8	5113.1	5096.3	5153.8	5289.9	5284.3	5163.7	5137.0	4974.3
75°	2807.0	2912.2	2906.5	3184.3	3067.9	3051.1	3088.9	3072.1	2958.4	2840.7	2739.6
77.5°	1487.0	1534.6	1484.2	1401.4	1392.9	1299.0	1272.3	1270.9	1183.9	1077.3	998.8
80°	1252.7	1203.6	1144.7	1024.0	953.9	890.8	831.8	777.1	718.2	639.6	544.3
82.5°	1463.1	1439.3	1397.2	1245.7	1172.8	1046.5	952.5	864.1	756.1	674.7	552.7
85°	712.7	711.2	744.8	729.5	702.8	697.2	604.6	584.9	541.5	496.6	415.3
87.5°	19.6	14.0	16.8	14.0	16.8	18.2	12.7	29.5	18.2	16.8	19.6
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°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	207.6	206.2	204.8	204.8	203.4	203.4	202.0	200.6	200.6	199.2	199.2
5°	225.9	223.1	221.7	220.3	217.4	216.0	213.2	211.8	209.0	207.6	204.8
7.5°	248.3	245.5	239.9	237.0	232.8	231.4	224.5	221.7	218.8	216.0	211.8
10°	276.4	269.3	263.7	258.1	251.1	245.5	239.9	235.6	230.0	223.1	220.3
12.5°	311.4	301.6	293.2	283.4	275.0	266.5	256.7	249.7	241.3	234.2	227.3
15°	350.7	336.7	325.5	311.4	297.4	287.5	277.8	267.9	256.7	246.9	238.5
17.5°	395.6	377.3	362.0	345.1	329.7	315.6	298.8	286.1	273.6	259.5	248.3
20°	443.3	425.0	404.0	385.8	363.4	347.9	326.9	310.0	291.8	277.8	262.3
22.5°	506.4	482.5	455.9	430.7	406.8	383.0	360.6	339.4	317.0	296.0	280.6
25°	580.7	551.3	517.6	492.4	458.7	432.1	404.0	377.3	353.5	326.9	301.6
27.5°	673.3	634.1	597.6	562.5	526.0	492.4	455.9	425.0	392.7	362.0	333.9
30°	781.3	743.4	688.7	649.5	613.0	566.7	530.2	489.6	453.1	408.2	377.3
32.5°	924.5	875.4	817.9	766.0	718.2	666.3	615.8	563.9	516.2	475.5	429.2
35°	1111.0	1053.5	984.8	918.8	865.5	802.4	737.9	679.0	624.3	565.3	507.8
37.5°	1346.7	1293.4	1219.0	1139.1	1067.5	991.7	924.5	841.7	768.7	697.2	624.3
40°	1580.9	1531.8	1454.7	1369.1	1276.6	1189.6	1104.0	1010.1	917.4	827.6	751.9
42.5°	1869.9	1796.9	1714.2	1617.4	1527.6	1423.8	1317.2	1209.2	1098.4	990.3	882.3
45°	2233.2	2177.1	2060.7	1956.8	1850.2	1728.2	1596.4	1472.9	1331.3	1203.6	1060.5
47.5°	2675.1	2574.2	2488.6	2393.1	2259.9	2142.1	1973.7	1827.8	1651.1	1481.3	1310.2
50°	3196.9	3140.9	3027.2	2908.0	2763.5	2623.2	2459.1	2248.7	2036.8	1855.9	1621.6
52.5°	3807.2	3727.2	3655.7	3532.2	3385.0	3205.4	3018.8	2790.2	2530.6	2275.4	2025.6
55°	4531.0	4474.9	4406.2	4307.9	4120.0	3916.6	3692.1	3418.6	3111.4	2767.7	2477.3
57.5°	5465.2	5406.4	5340.4	5138.5	5010.7	4761.1	4435.7	4152.2	3821.2	3380.7	3020.2
60°	6740.4	6660.4	6567.9	6403.8	6137.2	5813.2	5463.8	5044.4	4639.0	4157.9	3685.1
62.5°	7830.4	7702.7	7504.9	7293.1	6973.3	6601.5	6162.5	5668.7	5207.1	4665.7	4139.7
65°	8054.8	7879.5	7646.6	7370.3	7040.6	6621.2	6162.5	5689.7	5146.8	4637.6	4108.8
67.5°	7471.2	7267.9	7029.3	6720.8	6406.6	5974.5	5578.9	5097.7	4587.1	4146.6	3673.9
70°	6511.8	6210.2	5966.1	5637.8	5319.4	4979.9	4563.3	4202.7	3787.6	3382.2	3020.2
72.5°	4890.1	4592.7	4371.1	4108.8	3919.4	3560.3	3254.4	2985.1	2739.6	2436.7	2168.7
75°	2635.8	2412.8	2264.1	2144.9	1975.1	1738.1	1592.2	1407.0	1303.2	1176.9	1054.9
77.5°	859.9	757.5	646.7	538.7	462.9	347.9	336.7	267.9	252.5	245.5	189.4
80°	440.5	339.4	245.5	176.7	134.7	119.3	113.6	108.0	102.4	98.2	91.2
82.5°	441.9	319.8	220.3	152.9	110.8	92.6	87.0	84.2	80.0	75.7	70.1
85°	322.6	238.5	164.1	112.2	77.1	61.8	58.9	54.7	51.9	50.5	44.9
87.5°	21.0	15.4	14.0	12.7	12.7	12.7	14.0	12.7	14.0	14.0	12.7
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°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	197.8	196.4	196.4	195.0	193.6	193.6	192.2	192.2	188.0	180.9	175.3
5°	203.4	200.6	199.2	197.8	196.4	193.6	192.2	190.8	183.7	169.8	158.5
7.5°	207.6	204.8	203.4	200.6	196.4	195.0	192.2	189.4	178.1	158.5	145.9
10°	214.6	210.4	206.2	202.0	197.8	195.0	190.8	188.0	171.2	148.7	136.1
12.5°	221.7	216.0	210.4	203.4	199.2	195.0	190.8	185.2	165.5	140.3	126.2
15°	230.0	221.7	214.6	207.6	200.6	195.0	188.0	183.7	159.9	133.3	120.7
17.5°	238.5	228.7	218.8	209.0	202.0	193.6	188.0	180.9	154.3	127.6	113.6
20°	248.3	234.2	224.5	213.2	203.4	193.6	185.2	178.1	148.7	120.7	106.6
22.5°	262.3	245.5	230.0	217.4	204.8	195.0	185.2	175.3	143.1	115.1	101.0
25°	280.6	259.5	241.3	225.9	210.4	197.8	186.6	176.7	138.9	110.8	94.0
27.5°	307.2	280.6	260.9	239.9	220.3	204.8	190.8	179.5	136.1	106.6	89.8
30°	339.4	312.8	282.0	256.7	235.6	214.6	199.2	182.3	133.3	102.4	84.2
32.5°	387.2	349.3	312.8	282.0	252.5	228.7	206.2	189.4	131.9	95.3	78.5
35°	455.9	404.0	360.6	319.8	279.2	249.7	223.1	200.6	130.4	89.8	72.9
37.5°	554.1	492.4	436.3	378.8	328.3	286.1	249.7	220.3	130.4	85.6	67.3
40°	659.4	579.4	507.8	436.3	371.7	318.4	269.3	232.8	127.6	80.0	61.8
42.5°	778.5	680.4	582.1	493.8	413.9	345.1	287.5	242.7	120.7	74.3	56.1
45°	938.4	809.4	691.5	578.0	474.1	384.4	311.4	253.9	113.6	70.1	50.5
47.5°	1139.1	988.9	836.1	692.9	556.9	443.3	346.5	272.1	109.4	64.6	46.3
50°	1437.9	1224.7	1022.6	840.3	667.7	519.1	398.4	298.8	105.2	60.3	42.0
52.5°	1766.2	1503.8	1266.7	1032.5	817.9	621.4	458.7	333.9	101.0	56.1	37.9
55°	2165.9	1843.3	1554.2	1249.9	975.0	740.7	533.0	373.1	95.3	51.9	35.1
57.5°	2659.6	2251.5	1909.2	1537.5	1192.4	895.0	632.7	439.1	89.8	46.3	30.9
60°	3211.0	2749.5	2318.8	1882.5	1464.5	1099.8	779.9	533.0	84.2	40.7	26.7
62.5°	3607.9	3101.6	2609.2	2119.6	1660.9	1252.7	899.2	606.1	75.7	35.1	23.8
65°	3603.7	3090.3	2595.2	2112.6	1666.5	1258.3	903.4	620.0	67.3	30.9	21.0
67.5°	3211.0	2778.9	2337.0	1903.5	1513.6	1144.7	836.1	575.2	57.5	28.1	18.2
70°	2641.4	2297.8	1948.5	1604.8	1292.0	980.6	722.4	500.8	49.1	25.2	15.4
72.5°	1928.8	1677.8	1464.5	1221.9	1008.6	774.3	576.6	392.7	39.3	21.0	14.0
75°	958.1	857.1	735.1	659.4	562.5	460.1	357.7	228.7	32.3	16.8	12.7
77.5°	182.3	162.7	155.7	134.7	123.4	109.4	96.8	68.7	25.2	12.7	11.3
80°	84.2	77.1	70.1	63.2	56.1	47.7	42.0	36.5	19.6	9.9	12.7
82.5°	66.0	60.3	53.3	47.7	42.0	36.5	30.9	26.7	12.7	8.4	12.7
85°	43.4	37.9	33.7	29.5	25.2	22.4	19.6	16.8	8.4	8.4	8.4
87.5°	12.7	12.7	11.3	11.3	9.9	9.9	8.4	8.4	7.0	7.0	7.0
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°	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	169.8	162.7	159.9	158.5	158.5	159.9	158.5
5°	150.1	143.1	140.3	137.5	137.5	137.5	138.9
7.5°	137.5	130.4	126.2	124.8	123.4	124.8	124.8
10°	126.2	120.7	115.1	112.2	112.2	112.2	112.2
12.5°	117.9	110.8	105.2	103.8	102.4	102.4	102.4
15°	110.8	102.4	98.2	95.3	94.0	94.0	95.3
17.5°	102.4	95.3	89.8	88.4	88.4	88.4	88.4
20°	96.8	88.4	84.2	81.4	81.4	81.4	81.4
22.5°	89.8	82.8	77.1	74.3	74.3	74.3	74.3
25°	84.2	77.1	71.5	68.7	68.7	68.7	68.7
27.5°	78.5	71.5	66.0	63.2	63.2	63.2	63.2
30°	72.9	66.0	60.3	57.5	57.5	57.5	57.5
32.5°	68.7	60.3	54.7	51.9	51.9	53.3	51.9
35°	61.8	54.7	49.1	46.3	46.3	46.3	46.3
37.5°	56.1	49.1	43.4	40.7	40.7	40.7	39.3
40°	51.9	43.4	37.9	35.1	33.7	33.7	33.7
42.5°	44.9	36.5	32.3	29.5	28.1	28.1	28.1
45°	40.7	32.3	26.7	23.8	23.8	23.8	23.8
47.5°	36.5	28.1	22.4	19.6	19.6	21.0	21.0
50°	32.3	23.8	18.2	18.2	18.2	19.6	19.6
52.5°	28.1	21.0	16.8	16.8	18.2	19.6	19.6
55°	25.2	18.2	15.4	16.8	18.2	19.6	19.6
57.5°	22.4	15.4	15.4	16.8	18.2	19.6	19.6
60°	19.6	14.0	14.0	15.4	18.2	19.6	19.6
62.5°	16.8	14.0	14.0	15.4	18.2	19.6	19.6
65°	15.4	14.0	14.0	15.4	18.2	19.6	19.6
67.5°	14.0	12.7	14.0	15.4	16.8	18.2	18.2
70°	12.7	12.7	14.0	15.4	16.8	18.2	18.2
72.5°	12.7	12.7	12.7	14.0	15.4	16.8	16.8
75°	12.7	12.7	12.7	14.0	15.4	16.8	16.8
77.5°	12.7	11.3	11.3	12.7	15.4	16.8	16.8
80°	12.7	11.3	11.3	12.7	14.0	16.8	16.8
82.5°	9.9	9.9	11.3	12.7	14.0	15.4	15.4
85°	8.4	9.9	9.9	11.3	12.7	15.4	15.4
87.5°	7.0	7.0	8.4	9.9	11.3	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)