

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: P181342

Luminaire Tested: **ICM-F03-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181342
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-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3170 lumens
Efficiency: N/A
Efficacy: 40.5 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

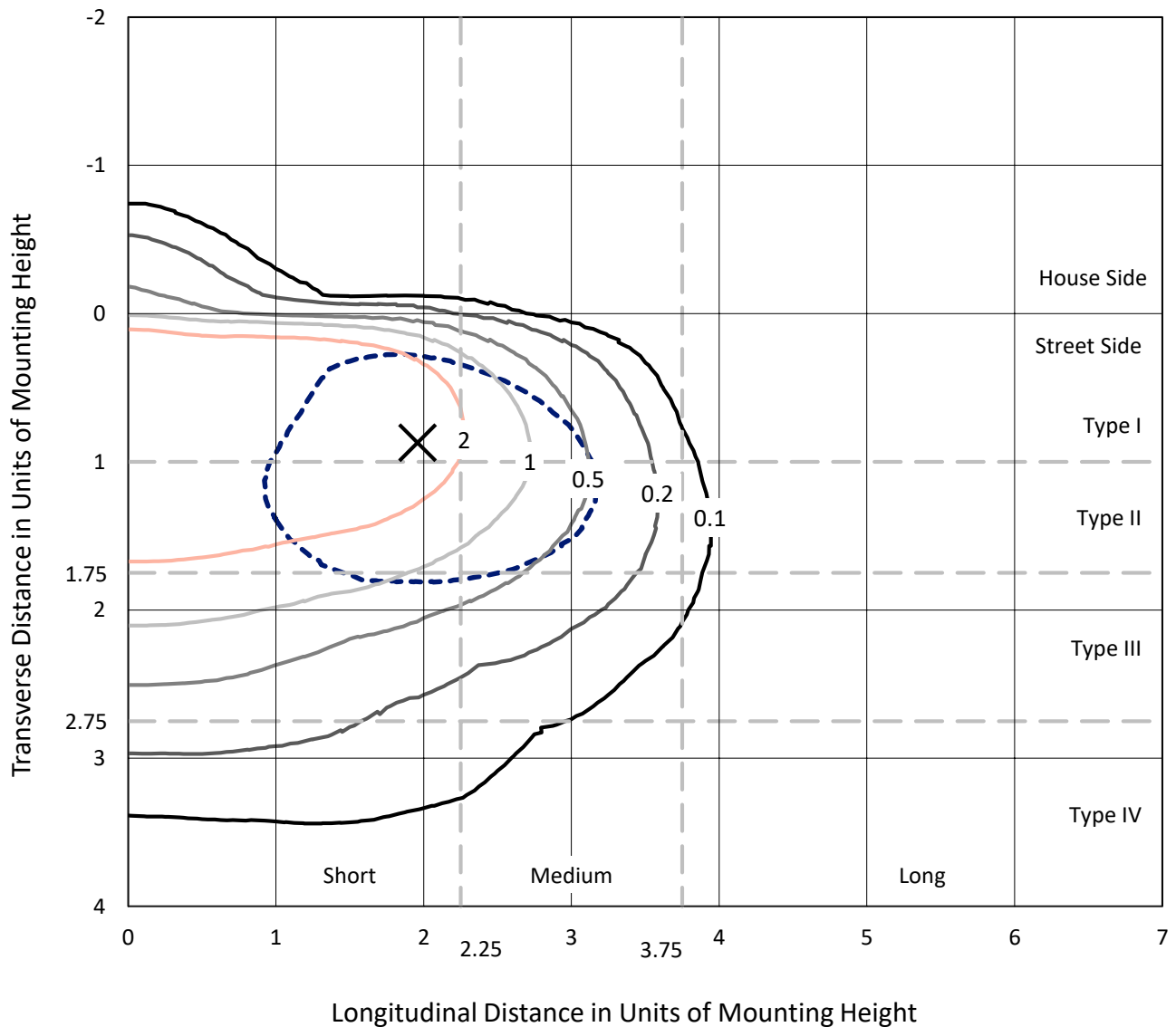
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

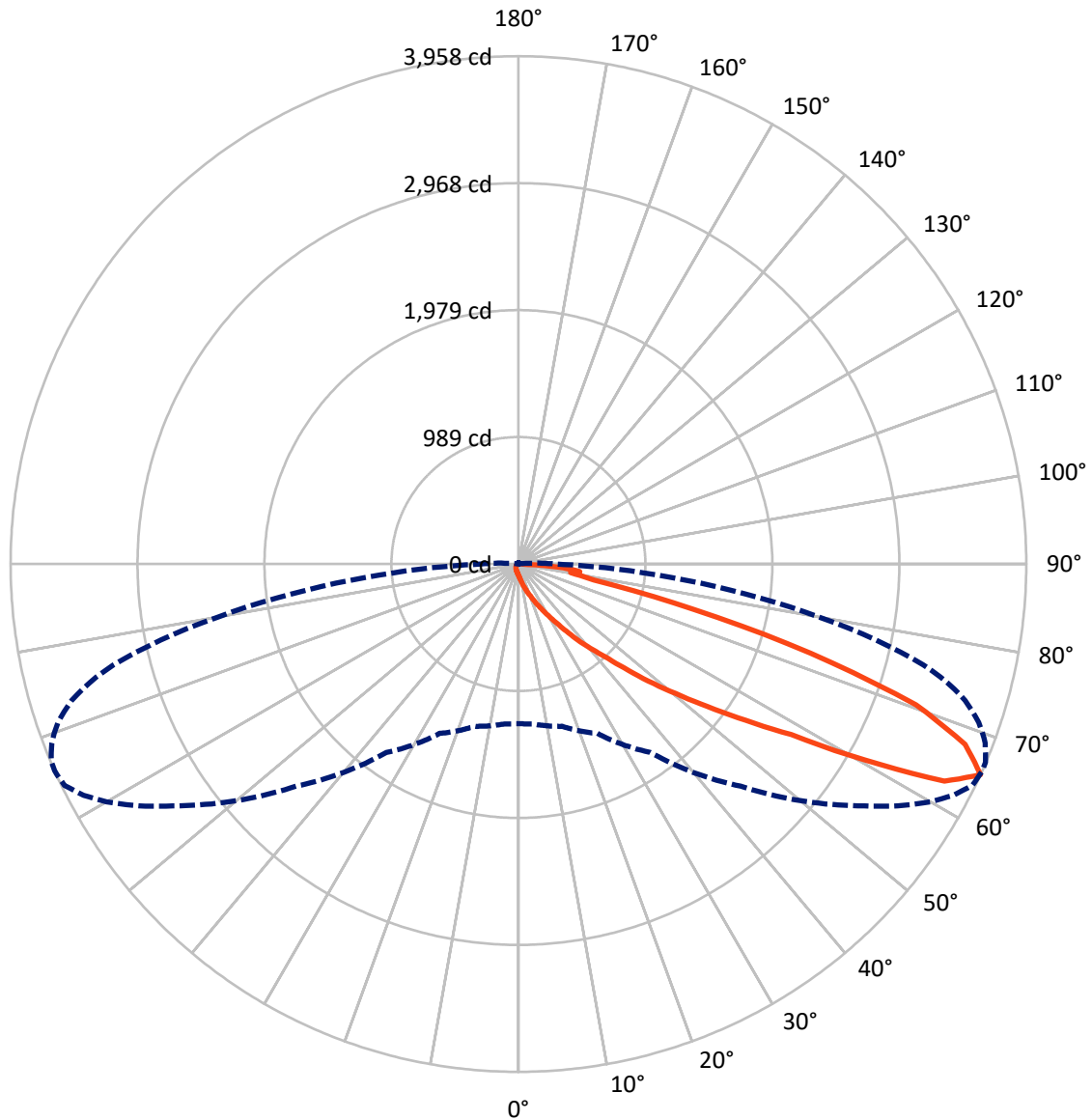
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 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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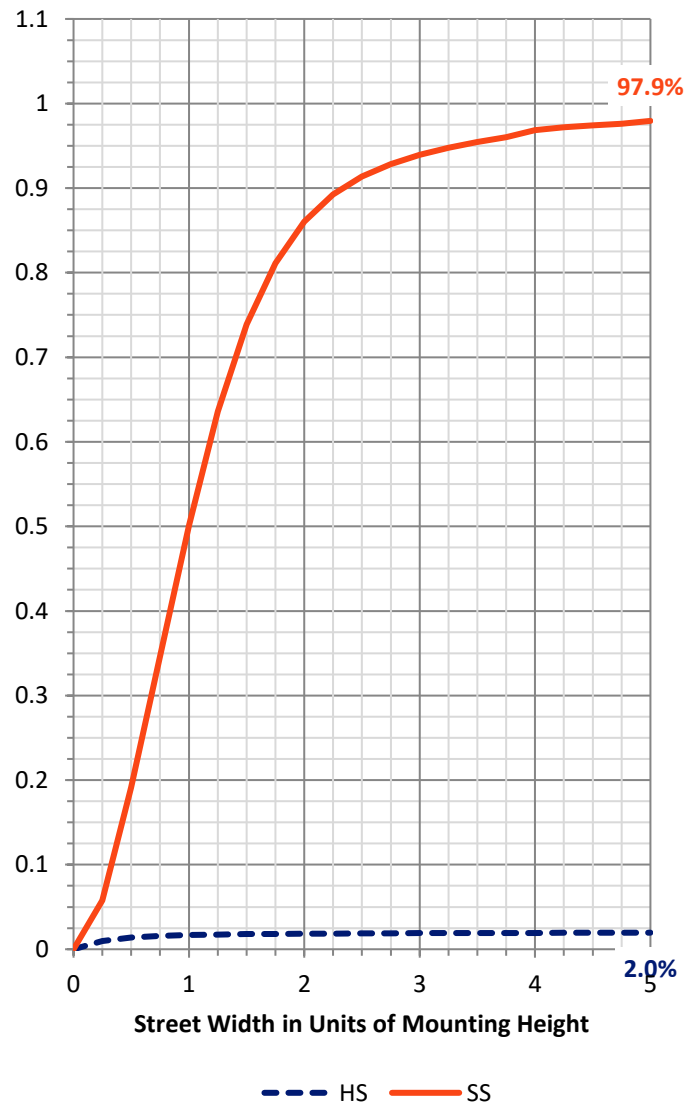
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	63.7	0.0	63.7
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	3106.3	0.0	3106.3
	% Fixture	98.0	0.0	98.0
Total	Lumens	3170.0	0.0	3170.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.3
10°-20°	51.5	1.6
20°-30°	117.7	3.7
30°-40°	224.0	7.1
40°-50°	449.6	14.2
50°-60°	795.6	25.1
60°-70°	1039.5	32.8
70°-80°	427.4	13.5
80°-90°	53.9	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°	3170.0	100.0
0°-180°	3170.0	100.0



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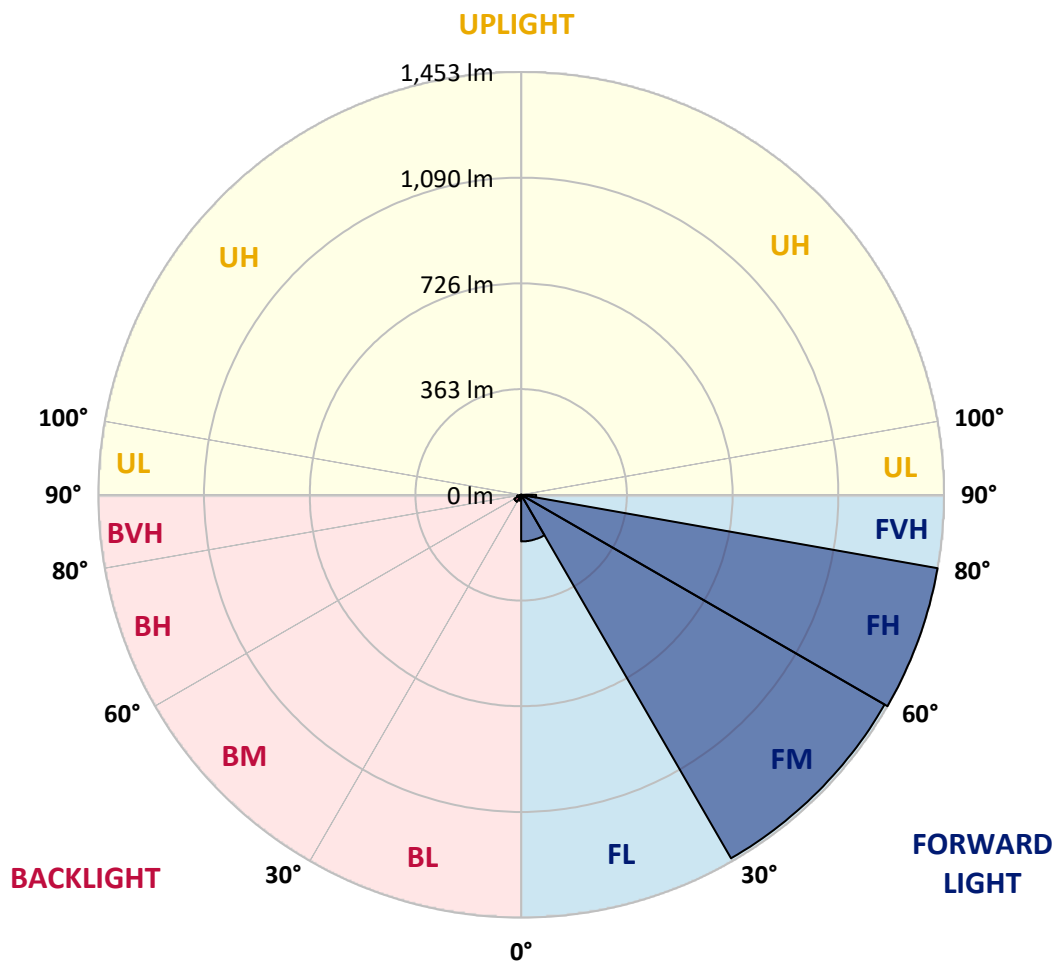
CATALOG NUMBER: ICM-F03-LED-E1-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.2	5.1			
FM	(30°-60°)	1441.9	45.5			
FH	(60°-80°)	1452.8	45.8			G1/1800
FVH	(80°-90°)	51.4	1.6			G1/100
BL	(0°-30°)	19.9	0.6	B0/110		
BM	(30°-60°)	27.3	0.9	B0/220		
BH	(60°-80°)	14.1	0.4	B0/110		G0/110
BVH	(80°-90°)	2.4	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°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	116.7	114.7	115.3	111.4	108.9	105.7	103.1	102.4	101.8	100.5	101.1
5°	167.9	166.0	161.4	153.6	146.5	135.4	124.5	123.8	121.9	119.9	118.6
7.5°	233.3	230.0	224.9	211.9	194.4	175.0	152.9	151.0	148.5	145.9	143.3
10°	309.1	307.3	297.5	282.6	256.0	224.3	187.3	185.4	179.5	176.3	173.7
12.5°	388.8	380.5	376.6	350.6	320.2	276.7	229.4	222.3	217.8	213.2	206.8
15°	449.1	450.4	441.4	420.7	385.0	334.4	275.4	267.7	261.2	252.7	245.0
17.5°	503.6	501.0	491.3	478.3	444.7	393.4	324.7	314.3	304.0	299.4	288.4
20°	547.6	546.3	538.6	526.2	500.4	451.1	376.6	368.1	356.5	348.7	336.4
22.5°	582.7	582.7	578.1	571.0	545.8	506.2	431.6	422.6	410.9	401.2	387.5
25°	610.5	609.9	610.5	607.3	590.4	554.1	488.0	477.7	467.9	456.3	443.4
27.5°	642.3	643.6	642.3	640.4	633.2	604.1	545.1	538.0	526.9	514.6	501.7
30°	691.5	687.6	687.0	685.7	677.3	659.2	604.1	595.6	587.2	578.8	569.7
32.5°	743.4	736.9	735.0	735.0	729.1	712.9	672.1	667.5	655.3	648.7	641.0
35°	802.4	799.8	797.2	797.9	795.3	778.4	744.7	746.0	742.1	729.1	721.4
37.5°	888.6	889.2	884.7	876.3	876.3	861.4	842.0	839.4	829.6	826.3	821.9
40°	1011.7	1008.5	1004.6	992.3	987.7	962.5	944.3	937.9	930.1	929.4	924.2
42.5°	1154.3	1150.4	1150.4	1141.4	1132.3	1101.9	1067.4	1062.9	1054.5	1057.1	1055.2
45°	1286.5	1289.8	1294.3	1300.8	1302.1	1289.1	1239.3	1233.4	1228.8	1226.2	1224.3
47.5°	1400.6	1406.4	1421.3	1449.2	1484.8	1489.4	1449.9	1434.3	1431.1	1426.5	1422.6
50°	1482.2	1490.7	1524.4	1578.8	1648.2	1691.0	1669.6	1656.7	1656.0	1643.6	1642.3
52.5°	1528.9	1538.1	1593.1	1675.5	1783.0	1866.6	1893.2	1892.6	1891.3	1880.2	1875.7
55°	1539.3	1549.0	1615.2	1727.3	1880.8	2025.4	2127.2	2129.8	2135.5	2132.4	2132.4
57.5°	1510.8	1523.1	1595.1	1733.8	1932.1	2151.2	2373.4	2388.4	2395.5	2420.8	2450.0
60°	1458.3	1467.4	1539.3	1694.2	1941.1	2265.9	2693.6	2740.9	2777.9	2827.8	2875.1
62.5°	1361.0	1379.3	1447.9	1616.5	1914.0	2398.1	3076.0	3163.6	3235.5	3311.3	3402.7
65°	1243.1	1250.9	1309.2	1456.4	1792.1	2448.7	3287.3	3372.9	3464.9	3545.9	3627.6
67.5°	1095.4	1101.9	1152.4	1215.3	1479.1	2212.1	3079.3	3173.9	3256.9	3323.6	3430.5
70°	717.5	731.7	855.5	917.8	1033.8	1635.3	2518.0	2609.4	2672.9	2718.2	2842.1
72.5°	525.7	534.7	584.7	712.9	741.5	966.3	1772.0	1871.2	1894.5	1980.0	2037.7
75°	320.8	343.5	456.3	610.5	722.7	661.8	1061.7	1109.6	1163.4	1225.6	1280.7
77.5°	64.8	73.9	149.0	420.7	635.8	707.1	633.9	643.0	669.5	675.4	696.1
80°	10.3	11.0	19.4	181.5	368.1	571.6	633.9	625.4	610.5	600.2	589.8
82.5°	4.6	5.2	8.5	46.0	78.4	190.5	548.3	591.1	640.4	667.5	674.7
85°	2.0	2.0	3.3	9.1	11.6	12.9	92.7	122.5	218.4	290.3	334.4
87.5°	1.3	1.3	2.0	2.0	2.6	3.3	4.6	4.6	5.2	5.9	8.5
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	101.1	100.5	100.5	98.5	98.5	97.9	97.9	97.2	97.2	95.9	96.6
5°	118.0	116.7	115.3	113.4	112.7	111.4	110.1	108.3	107.6	106.3	105.7
7.5°	140.7	139.3	136.7	132.8	130.2	127.7	125.1	122.5	120.6	118.6	117.3
10°	168.6	164.7	163.3	155.5	152.3	147.2	143.9	141.3	137.4	134.1	132.2
12.5°	202.2	199.0	192.5	182.1	176.9	172.4	166.6	161.4	157.5	151.6	147.8
15°	237.2	234.6	225.6	213.9	207.4	199.0	193.1	188.0	179.5	175.6	168.6
17.5°	281.3	273.5	264.5	247.6	239.2	232.0	221.7	213.9	208.7	197.0	190.5
20°	326.7	318.2	306.6	287.8	276.1	265.1	256.7	246.3	235.3	227.5	216.5
22.5°	378.5	364.9	355.8	332.5	318.9	307.3	292.9	282.0	270.9	258.6	246.3
25°	433.6	420.0	408.9	382.4	368.1	356.5	339.6	324.1	310.4	296.8	282.6
27.5°	491.3	479.0	466.6	439.4	427.1	410.9	395.4	377.2	359.7	347.4	327.9
30°	558.0	547.6	534.0	504.9	491.3	474.4	458.2	436.8	420.0	403.2	384.4
32.5°	630.0	621.6	607.3	581.4	565.2	550.9	533.4	512.7	488.7	471.2	449.1
35°	717.5	703.3	694.8	670.1	657.9	642.3	624.2	606.0	580.7	556.1	537.3
37.5°	817.3	810.8	799.8	776.5	767.4	751.2	739.5	721.4	702.0	670.8	650.7
40°	919.7	915.2	905.4	882.1	873.0	862.1	848.4	830.9	807.5	791.4	761.6
42.5°	1050.0	1042.8	1035.1	1013.0	995.5	982.0	976.1	961.2	936.6	915.8	892.5
45°	1215.3	1212.0	1201.6	1179.6	1162.1	1153.0	1143.9	1118.7	1102.4	1081.8	1065.5
47.5°	1414.9	1404.5	1399.4	1374.7	1368.8	1361.7	1338.4	1324.1	1300.8	1284.6	1264.5
50°	1630.7	1619.6	1620.3	1590.5	1591.8	1586.6	1569.1	1552.3	1532.2	1518.0	1505.6
52.5°	1862.7	1867.9	1855.0	1864.0	1853.7	1842.0	1838.7	1818.0	1800.5	1799.8	1783.0
55°	2147.9	2139.5	2142.7	2151.8	2137.5	2150.5	2144.0	2117.4	2118.1	2123.3	2103.8
57.5°	2454.4	2466.8	2493.3	2499.2	2523.8	2507.0	2551.1	2519.3	2538.7	2538.7	2525.8
60°	2904.3	2953.5	3017.7	3067.6	3113.6	3098.7	3156.4	3120.1	3146.1	3124.0	3112.9
62.5°	3446.1	3511.6	3587.4	3668.4	3715.1	3726.7	3718.3	3734.5	3709.2	3693.0	3650.9
65°	3706.6	3771.5	3837.6	3934.8	3947.7	3957.5	3953.6	3926.3	3895.3	3849.2	3794.2
67.5°	3490.2	3581.0	3617.9	3730.0	3767.6	3754.0	3758.5	3723.5	3674.9	3629.5	3548.5
70°	2893.9	2997.6	3017.0	3177.8	3222.5	3287.3	3264.0	3253.6	3200.5	3162.3	3072.8
72.5°	2107.1	2188.1	2181.6	2362.4	2354.6	2381.2	2444.1	2441.5	2385.8	2373.4	2298.2
75°	1296.9	1345.5	1342.9	1471.3	1417.5	1409.7	1427.2	1419.5	1366.9	1312.5	1265.8
77.5°	687.0	709.0	685.7	647.4	643.6	600.2	587.8	587.2	547.0	497.8	461.5
80°	578.8	556.1	528.8	473.1	440.7	411.5	384.4	359.1	331.8	295.5	251.4
82.5°	676.0	665.0	645.5	575.5	541.9	483.5	440.1	399.3	349.3	311.7	255.4
85°	329.2	328.6	344.2	337.0	324.7	322.1	279.4	270.2	250.1	229.4	191.8
87.5°	9.1	6.5	7.8	6.5	7.8	8.5	5.9	13.6	8.5	7.8	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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	95.9	95.3	94.6	94.6	94.0	94.0	93.3	92.7	92.7	92.0	92.0
5°	104.4	103.1	102.4	101.8	100.5	99.8	98.5	97.9	96.6	95.9	94.6
7.5°	114.7	113.4	110.8	109.5	107.6	107.0	103.7	102.4	101.1	99.8	97.9
10°	127.7	124.5	121.9	119.3	116.0	113.4	110.8	108.9	106.3	103.1	101.8
12.5°	143.9	139.3	135.4	130.9	127.1	123.2	118.6	115.3	111.4	108.3	105.0
15°	162.0	155.5	150.3	143.9	137.4	132.8	128.4	123.8	118.6	114.0	110.1
17.5°	182.8	174.3	167.3	159.4	152.3	145.9	138.0	132.2	126.4	119.9	114.7
20°	204.8	196.4	186.7	178.2	167.9	160.7	151.0	143.3	134.8	128.4	121.2
22.5°	234.0	223.0	210.6	199.0	188.0	176.9	166.6	156.8	146.5	136.7	129.6
25°	268.3	254.7	239.2	227.5	211.9	199.6	186.7	174.3	163.3	151.0	139.3
27.5°	311.1	292.9	276.1	259.9	243.1	227.5	210.6	196.4	181.5	167.3	154.2
30°	361.0	343.5	318.2	300.1	283.3	261.9	245.0	226.2	209.3	188.7	174.3
32.5°	427.1	404.5	377.9	353.9	331.8	307.8	284.6	260.6	238.5	219.7	198.3
35°	513.3	486.7	455.0	424.6	399.9	370.7	340.9	313.7	288.4	261.2	234.6
37.5°	622.2	597.6	563.3	526.2	493.2	458.2	427.1	388.8	355.2	322.1	288.4
40°	730.4	707.7	672.1	632.6	589.8	549.6	510.0	466.6	423.9	382.4	347.4
42.5°	863.9	830.2	792.0	747.3	705.8	657.9	608.6	558.7	507.4	457.6	407.6
45°	1031.8	1005.9	952.1	904.1	854.9	798.5	737.6	680.6	615.1	556.1	490.0
47.5°	1236.0	1189.3	1149.8	1105.7	1044.1	989.7	911.9	844.5	762.9	684.5	605.4
50°	1477.1	1451.2	1398.7	1343.5	1276.8	1212.0	1136.2	1039.0	941.1	857.5	749.2
52.5°	1759.0	1722.1	1689.0	1632.0	1563.9	1480.9	1394.8	1289.1	1169.2	1051.3	935.9
55°	2093.5	2067.5	2035.7	1990.4	1903.5	1809.6	1705.9	1579.5	1437.6	1278.8	1144.6
57.5°	2525.1	2497.9	2467.5	2374.1	2315.1	2199.7	2049.4	1918.4	1765.5	1562.0	1395.5
60°	3114.3	3077.3	3034.5	2958.7	2835.6	2685.9	2524.5	2330.7	2143.4	1921.0	1702.6
62.5°	3617.9	3558.9	3467.5	3369.6	3221.9	3050.1	2847.3	2619.1	2405.9	2155.6	1912.7
65°	3721.6	3640.6	3533.0	3405.2	3253.0	3059.2	2847.3	2628.9	2378.0	2142.7	1898.3
67.5°	3451.9	3358.0	3247.7	3105.2	2960.0	2760.4	2577.6	2355.3	2119.4	1915.9	1697.5
70°	3008.6	2869.2	2756.5	2604.9	2457.7	2300.9	2108.4	1941.8	1750.0	1562.6	1395.5
72.5°	2259.4	2122.0	2019.5	1898.3	1810.9	1644.9	1503.6	1379.3	1265.8	1125.8	1002.1
75°	1217.9	1114.8	1046.1	991.0	912.6	803.1	735.6	650.1	602.1	543.8	487.4
77.5°	397.3	350.0	298.8	248.8	213.9	160.7	155.5	123.8	116.7	113.4	87.5
80°	203.5	156.8	113.4	81.7	62.2	55.1	52.5	49.9	47.3	45.4	42.1
82.5°	204.2	147.8	101.8	70.6	51.2	42.8	40.2	38.9	36.9	35.0	32.4
85°	149.0	110.1	75.8	51.8	35.6	28.6	27.3	25.3	24.0	23.3	20.7
87.5°	9.8	7.2	6.5	5.9	5.9	5.9	6.5	5.9	6.5	6.5	5.9
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°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	91.3	90.7	90.7	90.0	89.4	89.4	88.8	88.8	86.9	83.6	81.0
5°	94.0	92.7	92.0	91.3	90.7	89.4	88.8	88.2	84.9	78.4	73.2
7.5°	95.9	94.6	94.0	92.7	90.7	90.0	88.8	87.5	82.3	73.2	67.4
10°	99.2	97.2	95.3	93.3	91.3	90.0	88.2	86.9	79.1	68.7	62.9
12.5°	102.4	99.8	97.2	94.0	92.0	90.0	88.2	85.6	76.5	64.8	58.3
15°	106.3	102.4	99.2	95.9	92.7	90.0	86.9	84.9	73.9	61.6	55.7
17.5°	110.1	105.7	101.1	96.6	93.3	89.4	86.9	83.6	71.3	59.0	52.5
20°	114.7	108.3	103.7	98.5	94.0	89.4	85.6	82.3	68.7	55.7	49.3
22.5°	121.2	113.4	106.3	100.5	94.6	90.0	85.6	81.0	66.1	53.1	46.7
25°	129.6	119.9	111.4	104.4	97.2	91.3	86.2	81.7	64.2	51.2	43.4
27.5°	142.0	129.6	120.6	110.8	101.8	94.6	88.2	83.0	62.9	49.3	41.5
30°	156.8	144.6	130.2	118.6	108.9	99.2	92.0	84.3	61.6	47.3	38.9
32.5°	178.9	161.4	144.6	130.2	116.7	105.7	95.3	87.5	60.9	44.1	36.3
35°	210.6	186.7	166.6	147.8	129.0	115.3	103.1	92.7	60.3	41.5	33.7
37.5°	256.0	227.5	201.6	175.0	151.6	132.2	115.3	101.8	60.3	39.5	31.1
40°	304.7	267.7	234.6	201.6	171.7	147.2	124.5	107.6	59.0	36.9	28.6
42.5°	359.7	314.3	268.9	228.2	191.2	159.4	132.8	112.1	55.7	34.3	26.0
45°	433.6	374.0	319.5	267.1	219.1	177.6	143.9	117.3	52.5	32.4	23.3
47.5°	526.2	456.9	386.3	320.2	257.3	204.8	160.1	125.8	50.5	29.8	21.4
50°	664.4	565.9	472.5	388.2	308.5	239.8	184.1	138.0	48.7	27.9	19.4
52.5°	816.0	694.8	585.3	477.0	377.9	287.2	211.9	154.2	46.7	26.0	17.5
55°	1000.8	851.6	718.1	577.5	450.4	342.2	246.3	172.4	44.1	24.0	16.2
57.5°	1228.8	1040.3	882.1	710.3	550.9	413.5	292.3	202.9	41.5	21.4	14.2
60°	1483.5	1270.3	1071.4	869.8	676.7	508.1	360.4	246.3	38.9	18.8	12.3
62.5°	1667.0	1433.0	1205.5	979.4	767.4	578.8	415.4	280.0	35.0	16.2	11.0
65°	1665.0	1427.8	1199.1	976.1	770.0	581.4	417.4	286.5	31.1	14.2	9.8
67.5°	1483.5	1283.9	1079.8	879.5	699.4	528.8	386.3	265.8	26.6	12.9	8.5
70°	1220.5	1061.7	900.3	741.5	596.9	453.0	333.8	231.4	22.7	11.6	7.2
72.5°	891.2	775.2	676.7	564.6	466.0	357.8	266.4	181.5	18.1	9.8	6.5
75°	442.7	396.0	339.6	304.7	259.9	212.6	165.3	105.7	14.9	7.8	5.9
77.5°	84.3	75.2	71.9	62.2	57.0	50.5	44.7	31.7	11.6	5.9	5.2
80°	38.9	35.6	32.4	29.2	26.0	22.0	19.4	16.8	9.1	4.6	5.9
82.5°	30.4	27.9	24.7	22.0	19.4	16.8	14.2	12.3	5.9	3.9	5.9
85°	20.1	17.5	15.5	13.6	11.6	10.3	9.1	7.8	3.9	3.9	3.9
87.5°	5.9	5.9	5.2	5.2	4.6	4.6	3.9	3.9	3.3	3.3	3.3
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°	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	78.4	75.2	73.9	73.2	73.2	73.9	73.2
5°	69.4	66.1	64.8	63.5	63.5	63.5	64.2
7.5°	63.5	60.3	58.3	57.7	57.0	57.7	57.7
10°	58.3	55.7	53.1	51.8	51.8	51.8	51.8
12.5°	54.4	51.2	48.7	48.0	47.3	47.3	47.3
15°	51.2	47.3	45.4	44.1	43.4	43.4	44.1
17.5°	47.3	44.1	41.5	40.8	40.8	40.8	40.8
20°	44.7	40.8	38.9	37.6	37.6	37.6	37.6
22.5°	41.5	38.2	35.6	34.3	34.3	34.3	34.3
25°	38.9	35.6	33.0	31.7	31.7	31.7	31.7
27.5°	36.3	33.0	30.4	29.2	29.2	29.2	29.2
30°	33.7	30.4	27.9	26.6	26.6	26.6	26.6
32.5°	31.7	27.9	25.3	24.0	24.0	24.7	24.0
35°	28.6	25.3	22.7	21.4	21.4	21.4	21.4
37.5°	26.0	22.7	20.1	18.8	18.8	18.8	18.1
40°	24.0	20.1	17.5	16.2	15.5	15.5	15.5
42.5°	20.7	16.8	14.9	13.6	12.9	12.9	12.9
45°	18.8	14.9	12.3	11.0	11.0	11.0	11.0
47.5°	16.8	12.9	10.3	9.1	9.1	9.8	9.8
50°	14.9	11.0	8.5	8.5	8.5	9.1	9.1
52.5°	12.9	9.8	7.8	7.8	8.5	9.1	9.1
55°	11.6	8.5	7.2	7.8	8.5	9.1	9.1
57.5°	10.3	7.2	7.2	7.8	8.5	9.1	9.1
60°	9.1	6.5	6.5	7.2	8.5	9.1	9.1
62.5°	7.8	6.5	6.5	7.2	8.5	9.1	9.1
65°	7.2	6.5	6.5	7.2	8.5	9.1	9.1
67.5°	6.5	5.9	6.5	7.2	7.8	8.5	8.5
70°	5.9	5.9	6.5	7.2	7.8	8.5	8.5
72.5°	5.9	5.9	5.9	6.5	7.2	7.8	7.8
75°	5.9	5.9	5.9	6.5	7.2	7.8	7.8
77.5°	5.9	5.2	5.2	5.9	7.2	7.8	7.8
80°	5.9	5.2	5.2	5.9	6.5	7.8	7.8
82.5°	4.6	4.6	5.2	5.9	6.5	7.2	7.2
85°	3.9	4.6	4.6	5.2	5.9	7.2	7.2
87.5°	3.3	3.3	3.9	4.6	5.2	5.9	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)