

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: P181352

Luminaire Tested: **ICM-F04-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181352
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-F04-LED-E1-T3-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4226.6 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

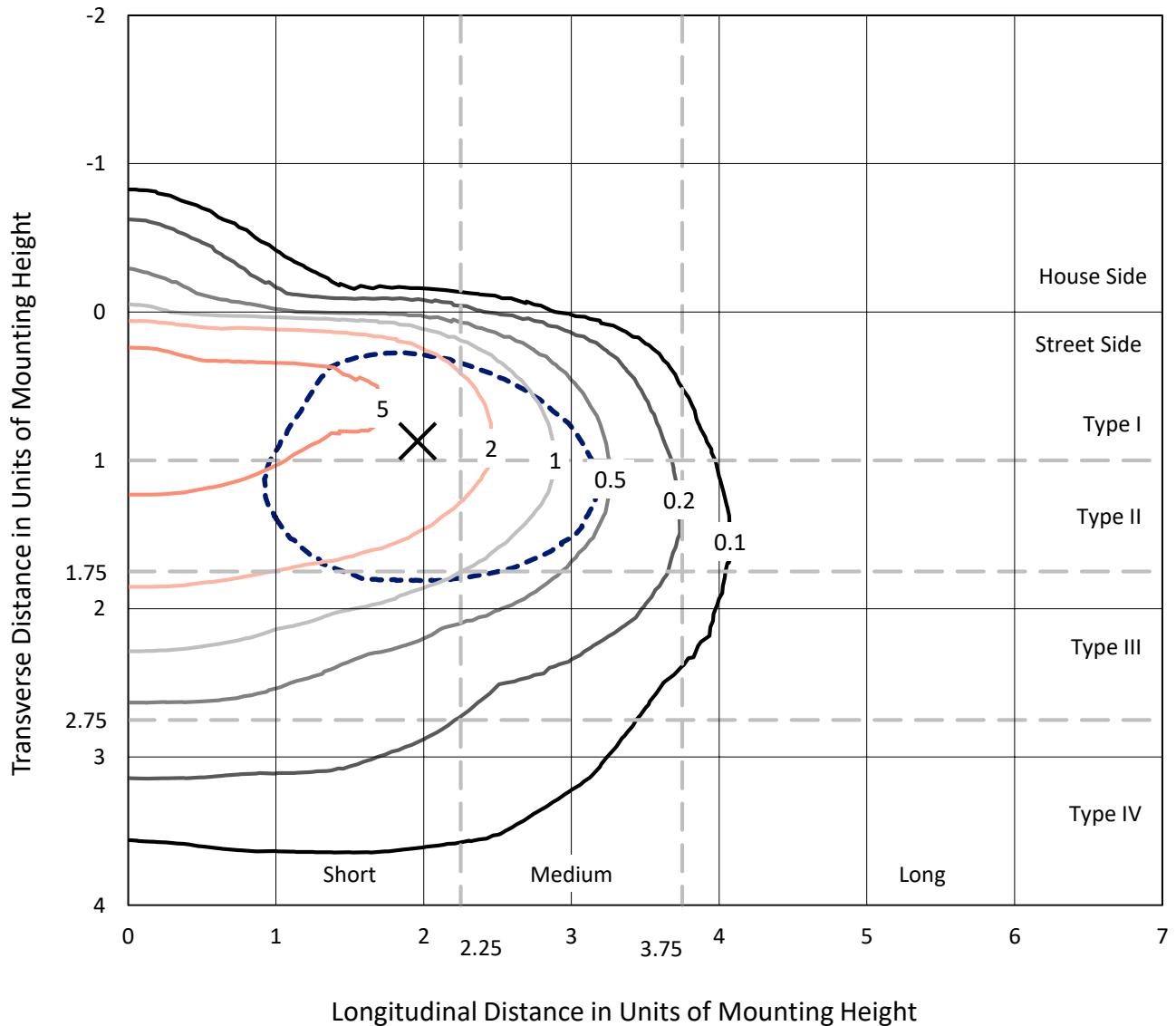
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

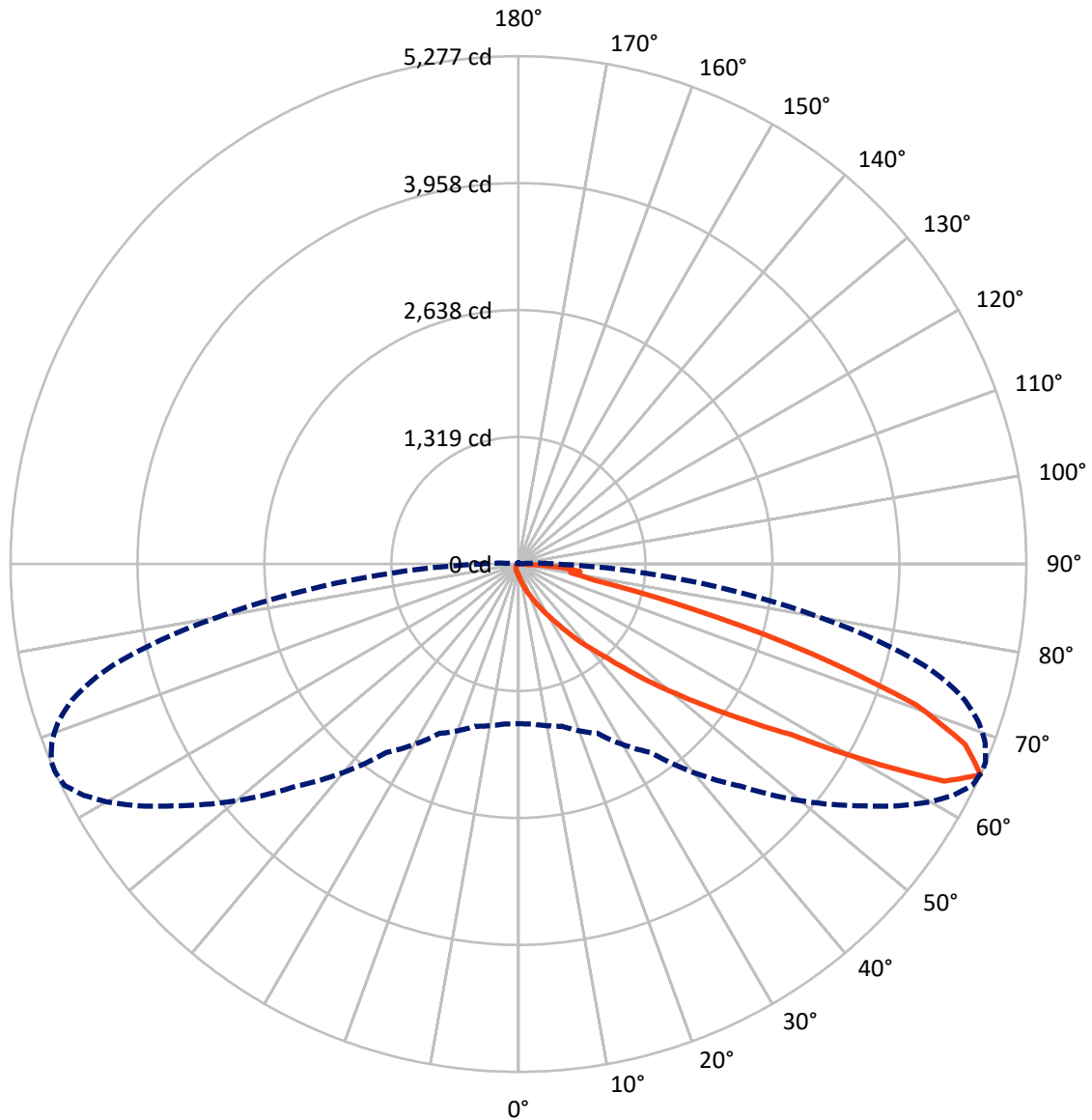
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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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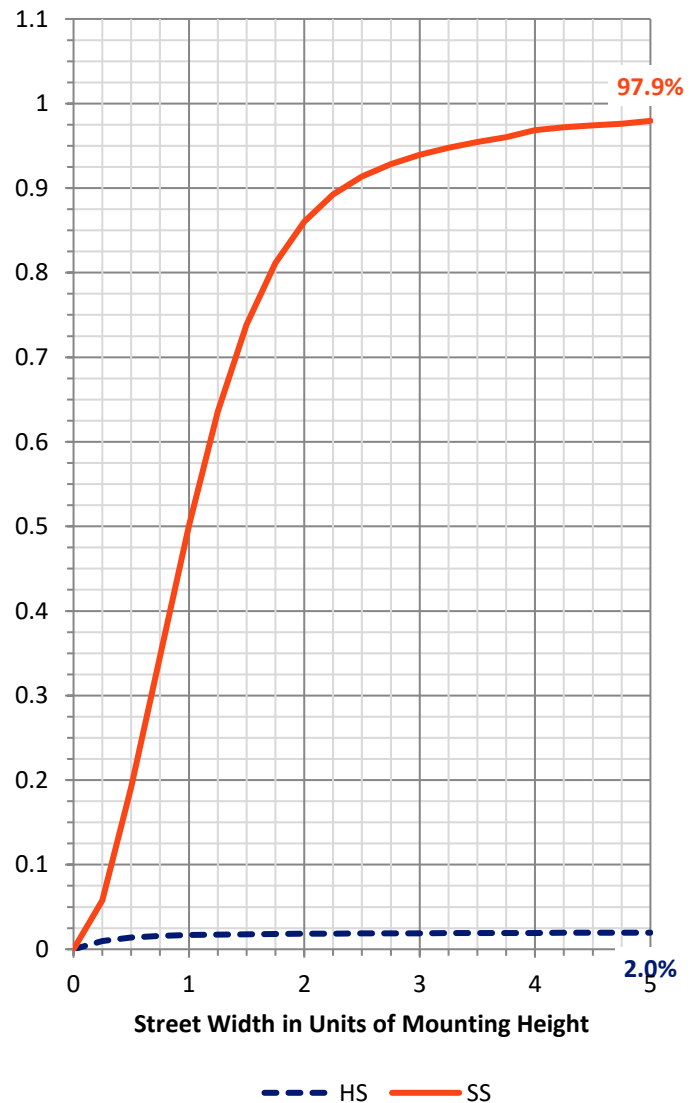
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	84.9	0.0	84.9
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	4141.8	0.0	4141.8
	% Fixture	98.0	0.0	98.0
Total	Lumens	4226.6	0.0	4226.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.3
10°-20°	68.7	1.6
20°-30°	157.0	3.7
30°-40°	298.7	7.1
40°-50°	599.5	14.2
50°-60°	1060.8	25.1
60°-70°	1386.0	32.8
70°-80°	569.8	13.5
80°-90°	71.8	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°	4226.6	100.0
0°-180°	4226.6	100.0



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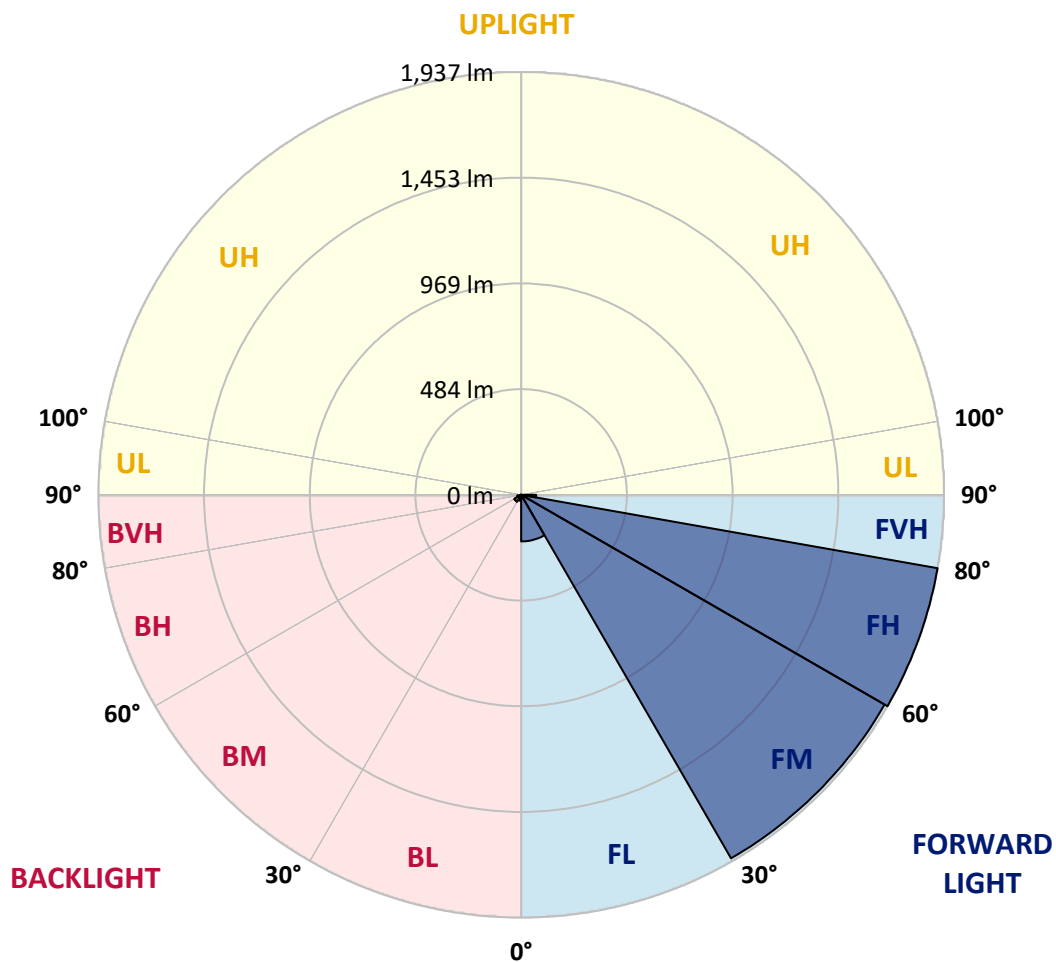
CATALOG NUMBER: ICM-F04-LED-E1-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.6	5.1			
FM	(30°-60°)	1922.6	45.5			
FH	(60°-80°)	1937.0	45.8			G2/5000
FVH	(80°-90°)	68.6	1.6			G1/100
BL	(0°-30°)	26.5	0.6	B0/110		
BM	(30°-60°)	36.3	0.9	B0/220		
BH	(60°-80°)	18.8	0.4	B0/110		G0/110
BVH	(80°-90°)	3.2	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°	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5
2.5°	155.5	152.9	153.9	148.7	145.2	140.8	137.4	136.6	135.6	134.0	134.8
5°	223.8	221.2	215.2	204.8	195.3	180.7	166.0	165.0	162.4	159.9	158.1
7.5°	311.1	306.8	299.9	282.6	259.3	233.3	203.9	201.4	197.9	194.4	191.0
10°	412.2	409.6	396.7	376.7	341.3	299.0	249.8	247.2	239.4	235.1	231.6
12.5°	518.5	507.3	502.0	467.5	426.9	369.0	306.0	296.4	290.3	284.3	275.6
15°	598.9	600.6	588.5	560.8	513.3	446.0	367.3	356.9	348.3	337.0	326.7
17.5°	671.4	668.0	655.1	637.8	592.8	524.6	432.9	419.2	405.3	399.3	384.6
20°	730.2	728.5	718.1	701.7	667.2	601.5	502.0	490.9	475.3	464.9	448.5
22.5°	776.9	776.9	770.9	761.3	727.6	674.9	575.5	563.4	547.9	534.9	516.7
25°	814.1	813.2	814.1	809.8	787.3	738.9	650.7	636.9	623.9	608.4	591.1
27.5°	856.4	858.1	856.4	853.8	844.3	805.4	726.8	717.3	702.6	686.1	668.8
30°	922.1	916.8	916.0	914.3	903.1	878.9	805.4	794.1	783.0	771.7	759.6
32.5°	991.2	982.6	980.0	980.0	972.2	950.6	896.2	890.1	873.7	865.0	854.7
35°	1069.9	1066.4	1062.9	1063.8	1060.4	1037.9	992.9	994.7	989.5	972.2	961.9
37.5°	1184.8	1185.7	1179.6	1168.4	1168.4	1148.5	1122.5	1119.1	1106.1	1101.9	1095.7
40°	1348.9	1344.7	1339.5	1323.1	1317.0	1283.3	1259.1	1250.4	1240.1	1239.3	1232.3
42.5°	1539.1	1533.9	1533.9	1521.8	1509.7	1469.1	1423.3	1417.2	1406.1	1409.5	1406.9
45°	1715.4	1719.7	1725.8	1734.4	1736.1	1718.8	1652.3	1644.6	1638.4	1635.0	1632.4
47.5°	1867.5	1875.3	1895.2	1932.3	1979.8	1985.9	1933.1	1912.4	1908.1	1902.1	1896.8
50°	1976.4	1987.6	2032.6	2105.1	2197.6	2254.6	2226.2	2208.9	2207.9	2191.5	2189.8
52.5°	2038.6	2050.7	2124.1	2233.9	2377.3	2488.9	2524.3	2523.4	2521.7	2507.0	2500.9
55°	2052.4	2065.4	2153.5	2303.0	2507.8	2700.6	2836.2	2839.6	2847.5	2843.1	2843.1
57.5°	2014.4	2030.8	2126.7	2311.6	2576.1	2868.2	3164.6	3184.5	3194.0	3227.6	3266.5
60°	1944.4	1956.5	2052.4	2259.0	2588.2	3021.1	3591.5	3654.6	3703.8	3770.3	3833.5
62.5°	1814.8	1839.0	1930.5	2155.3	2551.9	3197.4	4101.3	4218.1	4314.0	4415.1	4536.9
65°	1657.5	1667.8	1745.6	1941.8	2389.4	3264.9	4383.1	4497.1	4619.8	4727.9	4836.8
67.5°	1460.5	1469.1	1536.5	1620.3	1972.0	2949.4	4105.7	4231.8	4342.4	4431.5	4574.1
70°	956.7	975.6	1140.8	1223.6	1378.3	2180.3	3357.3	3479.2	3563.8	3624.3	3789.4
72.5°	700.8	712.9	779.4	950.6	988.7	1288.5	2362.6	2494.9	2526.0	2640.0	2716.9
75°	427.7	458.0	608.4	814.1	963.5	882.3	1415.5	1479.5	1551.2	1634.1	1707.6
77.5°	86.4	98.5	198.8	560.8	847.7	942.8	845.1	857.2	892.7	900.5	928.1
80°	13.9	14.7	26.0	242.0	490.9	762.2	845.1	834.0	814.1	800.2	786.4
82.5°	6.0	6.9	11.3	61.4	104.6	254.0	731.1	788.1	853.8	890.1	899.6
85°	2.6	2.6	4.3	12.1	15.5	17.3	123.5	163.3	291.3	387.2	446.0
87.5°	1.8	1.8	2.6	2.6	3.4	4.3	6.0	6.0	6.9	7.8	11.3
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5
2.5°	134.8	134.0	134.0	131.3	131.3	130.5	130.5	129.6	129.6	127.9	128.7
5°	157.3	155.5	153.9	151.3	150.3	148.7	146.9	144.3	143.4	141.8	140.8
7.5°	187.5	185.8	182.3	177.1	173.7	170.2	166.8	163.3	160.7	158.1	156.4
10°	224.7	219.5	217.8	207.4	203.1	196.2	191.8	188.4	183.2	178.9	176.3
12.5°	269.6	265.3	256.7	242.8	235.9	229.9	222.0	215.2	210.0	202.2	197.0
15°	316.3	312.8	300.7	285.2	276.6	265.3	257.5	250.6	239.4	234.2	224.7
17.5°	375.1	364.7	352.6	330.1	318.9	309.4	295.5	285.2	278.2	262.7	254.0
20°	435.5	424.3	408.7	383.7	368.1	353.5	342.2	328.4	313.7	303.4	288.7
22.5°	504.7	486.5	474.4	443.4	425.2	409.6	390.6	375.9	361.2	344.8	328.4
25°	578.1	560.0	545.3	509.9	490.9	475.3	452.8	432.1	414.0	395.8	376.7
27.5°	655.1	638.6	622.2	585.9	569.5	547.9	527.2	503.0	479.6	463.2	437.3
30°	744.1	730.2	712.1	673.2	655.1	632.6	611.0	582.4	560.0	537.5	512.5
32.5°	840.0	828.7	809.8	775.2	753.6	734.5	711.3	683.5	651.6	628.3	598.9
35°	956.7	937.6	926.4	893.6	877.1	856.4	832.2	808.0	774.3	741.5	716.4
37.5°	1089.7	1081.1	1066.4	1035.3	1023.2	1001.6	986.1	961.9	935.9	894.4	867.6
40°	1226.2	1220.2	1207.3	1176.1	1164.0	1149.3	1131.2	1107.9	1076.8	1055.2	1015.4
42.5°	1399.9	1390.4	1380.1	1350.7	1327.4	1309.2	1301.4	1281.6	1248.8	1221.0	1190.0
45°	1620.3	1616.0	1602.1	1572.8	1549.5	1537.4	1525.3	1491.5	1470.0	1442.3	1420.7
47.5°	1886.5	1872.7	1865.8	1832.9	1825.1	1815.6	1784.5	1765.5	1734.4	1712.8	1686.0
50°	2174.2	2159.5	2160.5	2120.7	2122.4	2115.5	2092.2	2069.7	2042.9	2023.9	2007.5
52.5°	2483.6	2490.5	2473.2	2485.3	2471.6	2456.0	2451.6	2424.0	2400.7	2399.8	2377.3
55°	2863.8	2852.7	2856.9	2869.0	2850.1	2867.4	2858.7	2823.3	2824.1	2831.0	2805.1
57.5°	3272.7	3289.0	3324.5	3332.2	3365.1	3342.6	3401.4	3359.0	3385.0	3385.0	3367.6
60°	3872.4	3938.1	4023.6	4090.2	4151.5	4131.7	4208.5	4160.1	4194.7	4165.3	4150.6
62.5°	4594.8	4682.1	4783.2	4891.2	4953.4	4969.0	4957.8	4979.4	4945.7	4924.0	4867.8
65°	4942.2	5028.6	5116.8	5246.4	5263.7	5276.7	5271.5	5235.2	5193.7	5132.3	5058.9
67.5°	4653.6	4774.5	4823.8	4973.3	5023.5	5005.3	5011.4	4964.7	4899.8	4839.4	4731.4
70°	3858.5	3996.8	4022.7	4237.0	4296.7	4383.1	4351.9	4338.2	4267.3	4216.3	4097.0
72.5°	2809.4	2917.4	2908.8	3149.9	3139.6	3175.0	3258.8	3255.4	3181.0	3164.6	3064.4
75°	1729.2	1794.1	1790.5	1961.7	1890.0	1879.5	1902.9	1892.6	1822.5	1750.0	1687.7
77.5°	916.0	945.4	914.3	863.4	858.1	800.2	783.8	783.0	729.4	663.7	615.3
80°	771.7	741.5	705.1	630.9	587.6	548.7	512.5	478.8	442.4	394.0	335.3
82.5°	901.3	886.6	860.7	767.4	722.4	644.7	586.8	532.4	465.8	415.6	340.5
85°	439.0	438.1	458.9	449.4	432.9	429.5	372.5	360.4	333.6	306.0	255.8
87.5°	12.1	8.7	10.3	8.7	10.3	11.3	7.8	18.1	11.3	10.3	12.1
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°	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5
2.5°	127.9	127.1	126.1	126.1	125.3	125.3	124.5	123.5	123.5	122.7	122.7
5°	139.2	137.4	136.6	135.6	134.0	133.1	131.3	130.5	128.7	127.9	126.1
7.5°	152.9	151.3	147.8	146.0	143.4	142.6	138.2	136.6	134.8	133.1	130.5
10°	170.2	166.0	162.4	159.0	154.7	151.3	147.8	145.2	141.8	137.4	135.6
12.5°	191.8	185.8	180.7	174.6	169.4	164.2	158.1	153.9	148.7	144.3	140.0
15°	216.0	207.4	200.5	191.8	183.2	177.1	171.1	165.0	158.1	152.1	146.9
17.5°	243.7	232.5	223.0	212.6	203.1	194.4	184.1	176.3	168.6	159.9	152.9
20°	273.1	261.9	248.8	237.7	223.8	214.3	201.4	191.0	179.7	171.1	161.6
22.5°	312.0	297.3	280.8	265.3	250.6	235.9	222.0	209.1	195.3	182.3	172.8
25°	357.8	339.6	318.9	303.4	282.6	266.1	248.8	232.5	217.8	201.4	185.8
27.5°	414.8	390.6	368.1	346.5	324.1	303.4	280.8	261.9	242.0	223.0	205.7
30°	481.3	458.0	424.3	400.1	377.7	349.1	326.7	301.6	279.2	251.4	232.5
32.5°	569.5	539.3	503.8	471.8	442.4	410.5	379.4	347.4	318.0	292.9	264.5
35°	684.5	649.0	606.6	566.0	533.2	494.3	454.5	418.2	384.6	348.3	312.8
37.5°	829.6	796.7	751.0	701.7	657.7	611.0	569.5	518.5	473.6	429.5	384.6
40°	974.0	943.6	896.2	843.4	786.4	732.8	680.1	622.2	565.2	509.9	463.2
42.5°	1151.9	1107.0	1056.0	996.4	941.1	877.1	811.4	744.9	676.7	610.1	543.5
45°	1375.7	1341.2	1269.5	1205.5	1139.8	1064.7	983.4	907.4	820.1	741.5	653.3
47.5°	1648.0	1585.8	1533.0	1474.2	1392.2	1319.6	1215.9	1126.1	1017.1	912.6	807.2
50°	1969.4	1934.9	1864.8	1791.5	1702.4	1616.0	1514.9	1385.3	1254.8	1143.3	999.0
52.5°	2345.4	2296.1	2252.0	2176.0	2085.2	1974.6	1859.7	1718.8	1559.0	1401.7	1247.8
55°	2791.3	2756.7	2714.3	2653.9	2538.1	2412.8	2274.5	2106.0	1916.8	1705.0	1526.1
57.5°	3366.8	3330.5	3289.9	3165.5	3086.8	2933.0	2732.5	2558.0	2354.0	2082.6	1860.6
60°	4152.4	4103.1	4046.1	3945.0	3780.8	3581.1	3366.0	3107.6	2857.8	2561.4	2270.2
62.5°	4823.8	4745.1	4623.3	4492.9	4295.8	4066.8	3796.3	3492.1	3207.8	2874.3	2550.2
65°	4962.1	4854.1	4710.6	4540.4	4337.3	4078.9	3796.3	3505.0	3170.6	2856.9	2531.2
67.5°	4602.6	4477.2	4330.4	4140.2	3946.7	3680.5	3436.9	3140.4	2825.9	2554.5	2263.3
70°	4011.5	3825.7	3675.4	3473.1	3277.0	3067.8	2811.2	2589.0	2333.2	2083.5	1860.6
72.5°	3012.5	2829.3	2692.8	2531.2	2414.5	2193.3	2004.8	1839.0	1687.7	1501.0	1336.0
75°	1623.8	1486.3	1394.8	1321.3	1216.8	1070.7	980.8	866.8	802.8	725.0	649.9
77.5°	529.8	466.6	398.4	331.8	285.2	214.3	207.4	165.0	155.5	151.3	116.7
80°	271.4	209.1	151.3	108.9	83.0	73.5	70.0	66.5	63.1	60.5	56.2
82.5°	272.2	197.0	135.6	94.2	68.3	57.0	53.6	51.8	49.3	46.7	43.2
85°	198.8	146.9	101.1	69.1	47.5	38.0	36.3	33.7	32.0	31.1	27.6
87.5°	12.9	9.5	8.7	7.8	7.8	7.8	8.7	7.8	8.7	8.7	7.8
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°	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5
2.5°	121.9	121.0	121.0	120.1	119.3	119.3	118.4	118.4	115.8	111.4	108.0
5°	125.3	123.5	122.7	121.9	121.0	119.3	118.4	117.5	113.2	104.6	97.7
7.5°	127.9	126.1	125.3	123.5	121.0	120.1	118.4	116.7	109.8	97.7	89.9
10°	132.2	129.6	127.1	124.5	121.9	120.1	117.5	115.8	105.4	91.6	83.8
12.5°	136.6	133.1	129.6	125.3	122.7	120.1	117.5	114.0	102.0	86.4	77.8
15°	141.8	136.6	132.2	127.9	123.5	120.1	115.8	113.2	98.5	82.1	74.3
17.5°	146.9	140.8	134.8	128.7	124.5	119.3	115.8	111.4	95.1	78.6	70.0
20°	152.9	144.3	138.2	131.3	125.3	119.3	114.0	109.8	91.6	74.3	65.7
22.5°	161.6	151.3	141.8	134.0	126.1	120.1	114.0	108.0	88.2	70.9	62.2
25°	172.8	159.9	148.7	139.2	129.6	121.9	115.0	108.9	85.6	68.3	57.9
27.5°	189.2	172.8	160.7	147.8	135.6	126.1	117.5	110.6	83.8	65.7	55.3
30°	209.1	192.7	173.7	158.1	145.2	132.2	122.7	112.4	82.1	63.1	51.8
32.5°	238.5	215.2	192.7	173.7	155.5	140.8	127.1	116.7	81.2	58.8	48.4
35°	280.8	248.8	222.0	197.0	172.0	153.9	137.4	123.5	80.4	55.3	44.9
37.5°	341.3	303.4	268.7	233.3	202.2	176.3	153.9	135.6	80.4	52.7	41.5
40°	406.1	356.9	312.8	268.7	229.0	196.2	166.0	143.4	78.6	49.3	38.0
42.5°	479.6	419.2	358.6	304.2	254.9	212.6	177.1	149.5	74.3	45.8	34.6
45°	578.1	498.6	426.0	356.0	292.1	236.7	191.8	156.4	70.0	43.2	31.1
47.5°	701.7	609.2	515.1	426.9	343.1	273.1	213.5	167.6	67.4	39.7	28.6
50°	885.8	754.4	630.0	517.7	411.4	319.7	245.4	184.1	64.8	37.1	26.0
52.5°	1088.0	926.4	780.4	636.0	503.8	382.8	282.6	205.7	62.2	34.6	23.3
55°	1334.2	1135.5	957.5	770.0	600.6	456.3	328.4	229.9	58.8	32.0	21.6
57.5°	1638.4	1387.0	1176.1	947.2	734.5	551.4	389.8	270.5	55.3	28.6	19.0
60°	1978.1	1693.8	1428.5	1159.7	902.2	677.5	480.5	328.4	51.8	25.0	16.5
62.5°	2222.6	1910.7	1607.4	1305.8	1023.2	771.7	554.0	373.3	46.7	21.6	14.7
65°	2220.1	1903.7	1598.7	1301.4	1026.6	775.2	556.6	382.0	41.5	19.0	12.9
67.5°	1978.1	1711.9	1439.7	1172.7	932.5	705.1	515.1	354.3	35.4	17.3	11.3
70°	1627.3	1415.5	1200.4	988.7	795.9	604.1	445.0	308.5	30.2	15.5	9.5
72.5°	1188.2	1033.6	902.2	752.7	621.3	477.0	355.2	242.0	24.2	12.9	8.7
75°	590.2	528.0	452.8	406.1	346.5	283.4	220.4	140.8	19.9	10.3	7.8
77.5°	112.4	100.3	95.9	83.0	76.1	67.4	59.6	42.3	15.5	7.8	6.9
80°	51.8	47.5	43.2	38.9	34.6	29.4	26.0	22.5	12.1	6.0	7.8
82.5°	40.7	37.1	32.8	29.4	26.0	22.5	19.0	16.5	7.8	5.2	7.8
85°	26.8	23.3	20.7	18.1	15.5	13.9	12.1	10.3	5.2	5.2	5.2
87.5°	7.8	7.8	6.9	6.9	6.0	6.0	5.2	5.2	4.3	4.3	4.3
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°	117.5	117.5	117.5	117.5	117.5	117.5	117.5
2.5°	104.6	100.3	98.5	97.7	97.7	98.5	97.7
5°	92.5	88.2	86.4	84.7	84.7	84.7	85.6
7.5°	84.7	80.4	77.8	76.9	76.1	76.9	76.9
10°	77.8	74.3	70.9	69.1	69.1	69.1	69.1
12.5°	72.6	68.3	64.8	63.9	63.1	63.1	63.1
15°	68.3	63.1	60.5	58.8	57.9	57.9	58.8
17.5°	63.1	58.8	55.3	54.4	54.4	54.4	54.4
20°	59.6	54.4	51.8	50.1	50.1	50.1	50.1
22.5°	55.3	51.0	47.5	45.8	45.8	45.8	45.8
25°	51.8	47.5	44.1	42.3	42.3	42.3	42.3
27.5°	48.4	44.1	40.7	38.9	38.9	38.9	38.9
30°	44.9	40.7	37.1	35.4	35.4	35.4	35.4
32.5°	42.3	37.1	33.7	32.0	32.0	32.8	32.0
35°	38.0	33.7	30.2	28.6	28.6	28.6	28.6
37.5°	34.6	30.2	26.8	25.0	25.0	25.0	24.2
40°	32.0	26.8	23.3	21.6	20.7	20.7	20.7
42.5°	27.6	22.5	19.9	18.1	17.3	17.3	17.3
45°	25.0	19.9	16.5	14.7	14.7	14.7	14.7
47.5°	22.5	17.3	13.9	12.1	12.1	12.9	12.9
50°	19.9	14.7	11.3	11.3	11.3	12.1	12.1
52.5°	17.3	12.9	10.3	10.3	11.3	12.1	12.1
55°	15.5	11.3	9.5	10.3	11.3	12.1	12.1
57.5°	13.9	9.5	9.5	10.3	11.3	12.1	12.1
60°	12.1	8.7	8.7	9.5	11.3	12.1	12.1
62.5°	10.3	8.7	8.7	9.5	11.3	12.1	12.1
65°	9.5	8.7	8.7	9.5	11.3	12.1	12.1
67.5°	8.7	7.8	8.7	9.5	10.3	11.3	11.3
70°	7.8	7.8	8.7	9.5	10.3	11.3	11.3
72.5°	7.8	7.8	7.8	8.7	9.5	10.3	10.3
75°	7.8	7.8	7.8	8.7	9.5	10.3	10.3
77.5°	7.8	6.9	6.9	7.8	9.5	10.3	10.3
80°	7.8	6.9	6.9	7.8	8.7	10.3	10.3
82.5°	6.0	6.0	6.9	7.8	8.7	9.5	9.5
85°	5.2	6.0	6.0	6.9	7.8	9.5	9.5
87.5°	4.3	4.3	5.2	6.0	6.9	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)