

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: P181414

Luminaire Tested: **ICS-F04-LED-E1-T3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181414
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: ICS-F04-LED-E1-T3-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4845.4 lumens
Efficiency: N/A
Efficacy: 47.4 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

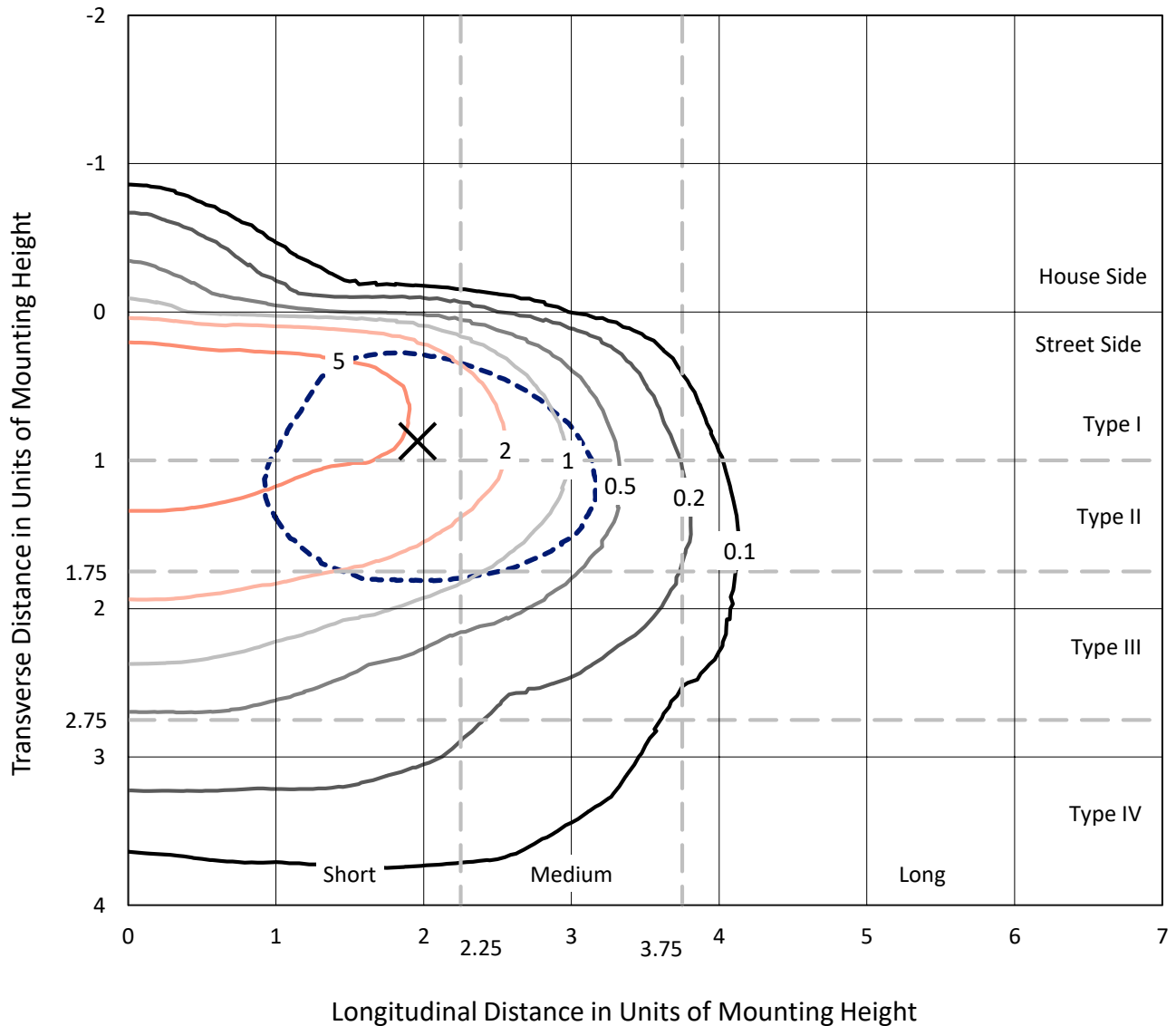
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

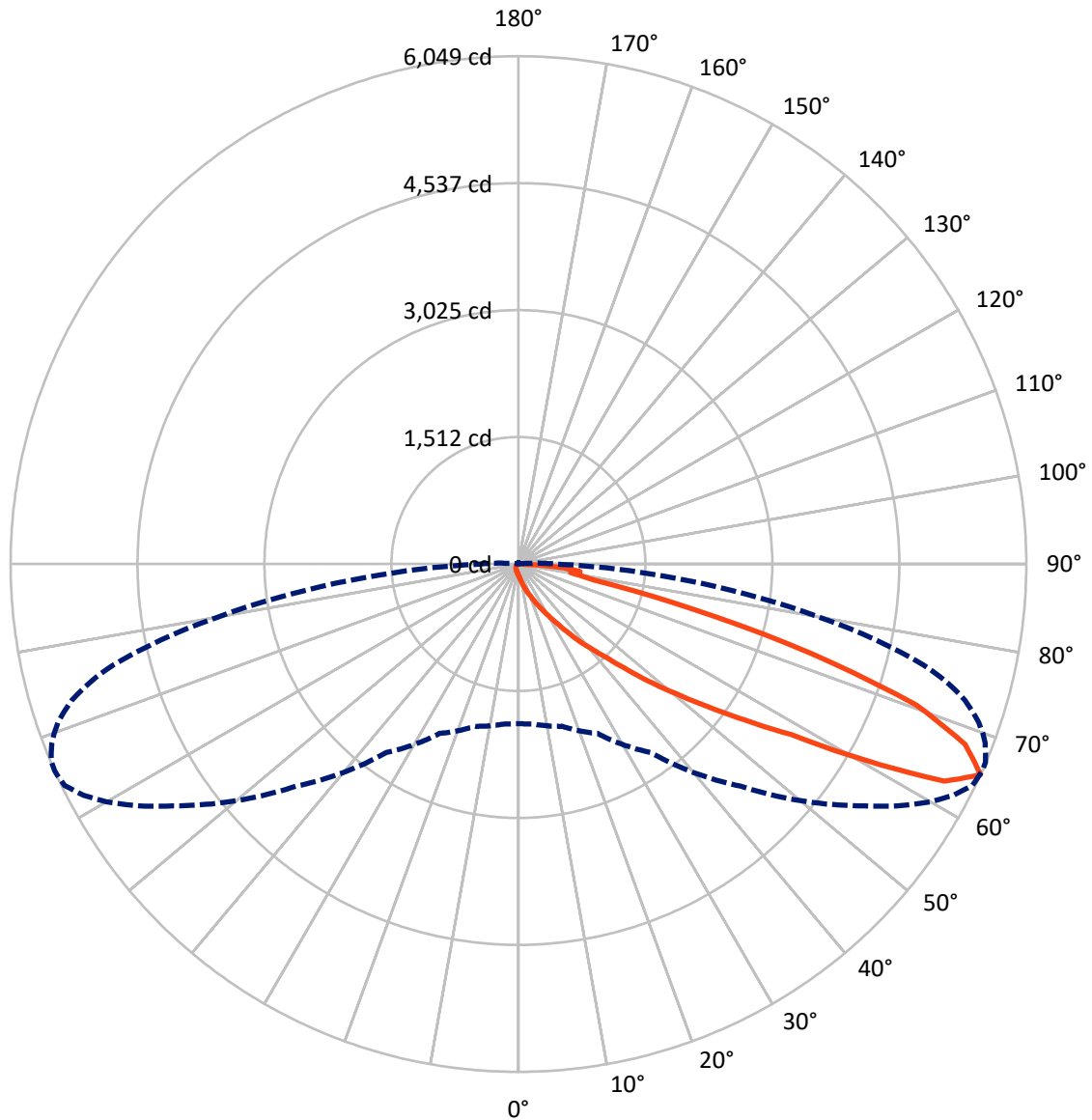


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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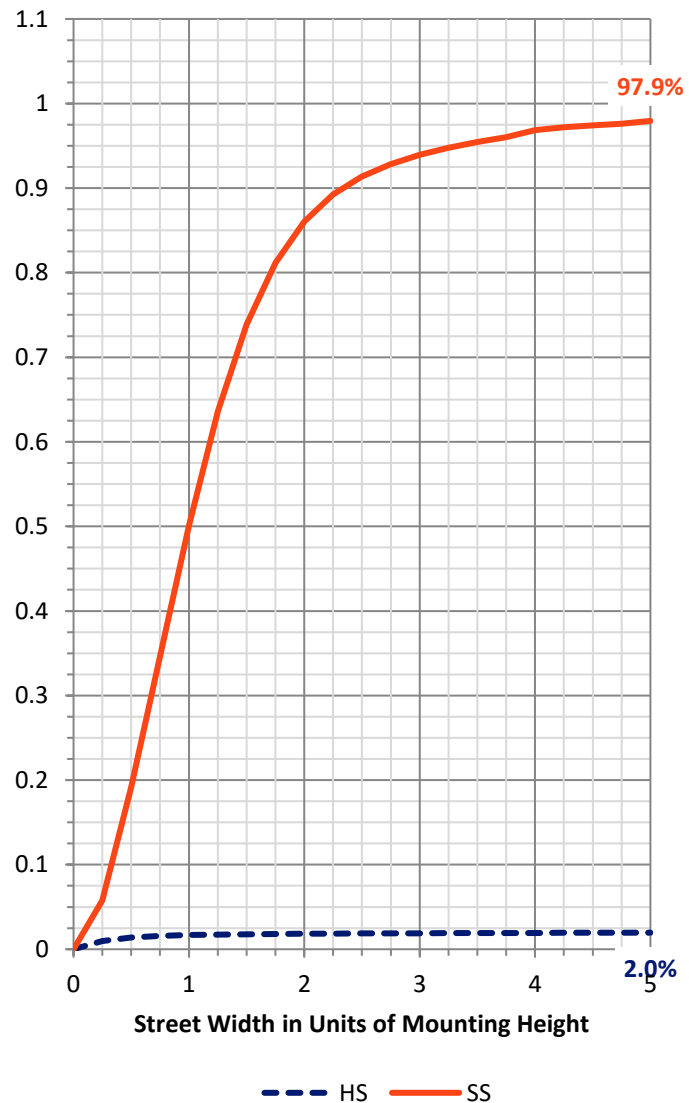
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	97.3	0.0	97.3
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	4748.1	0.0	4748.1
	% Fixture	98.0	0.0	98.0
Total	Lumens	4845.4	0.0	4845.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.3
10°-20°	78.8	1.6
20°-30°	180.0	3.7
30°-40°	342.4	7.1
40°-50°	687.3	14.2
50°-60°	1216.0	25.1
60°-70°	1588.8	32.8
70°-80°	653.3	13.5
80°-90°	82.3	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°	4845.4	100.0
0°-180°	4845.4	100.0

Coefficient of Utilization



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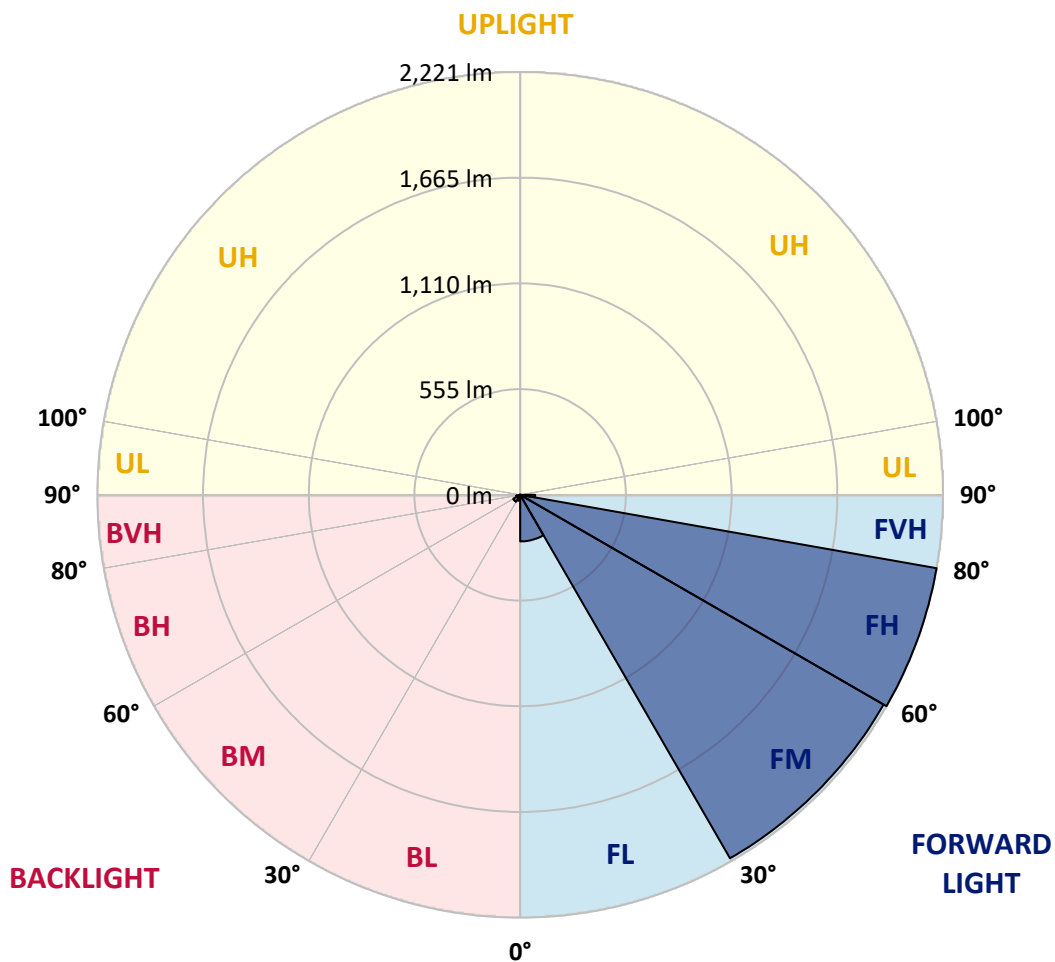
CATALOG NUMBER: ICS-F04-LED-E1-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.8	5.1			
FM	(30°-60°)	2204.0	45.5			
FH	(60°-80°)	2220.6	45.8			G2/5000
FVH	(80°-90°)	78.6	1.6			G1/100
BL	(0°-30°)	30.4	0.6	B0/110		
BM	(30°-60°)	41.7	0.9	B0/220		
BH	(60°-80°)	21.5	0.4	B0/110		G0/110
BVH	(80°-90°)	3.7	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°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
2.5°	178.3	175.4	176.3	170.4	166.4	161.5	157.5	156.5	155.5	153.6	154.5
5°	256.6	253.6	246.7	234.8	223.9	207.1	190.2	189.2	186.2	183.3	181.3
7.5°	356.6	351.7	343.8	324.0	297.2	267.5	233.8	230.8	226.9	222.9	218.9
10°	472.6	469.6	454.7	431.9	391.3	342.8	286.3	283.3	274.4	269.5	265.5
12.5°	594.4	581.5	575.6	536.0	489.4	423.0	350.7	339.8	332.9	325.9	316.0
15°	686.5	688.5	674.7	643.0	588.5	511.2	421.0	409.2	399.2	386.4	374.5
17.5°	769.8	765.8	750.9	731.1	679.6	601.3	496.3	480.5	464.6	457.7	440.9
20°	837.1	835.1	823.3	804.4	764.8	689.5	575.6	562.7	544.9	533.0	514.2
22.5°	890.6	890.6	883.7	872.8	834.2	773.7	659.8	645.9	628.1	613.2	592.4
25°	933.2	932.2	933.2	928.3	902.5	847.0	746.0	730.1	715.3	697.4	677.6
27.5°	981.8	983.7	981.8	978.8	967.9	923.3	833.2	822.3	805.4	786.6	766.8
30°	1057.1	1051.1	1050.1	1048.1	1035.3	1007.5	923.3	910.4	897.6	884.7	870.8
32.5°	1136.3	1126.4	1123.4	1123.4	1114.5	1089.8	1027.3	1020.4	1001.6	991.7	979.8
35°	1226.5	1222.5	1218.5	1219.5	1215.6	1189.8	1138.3	1140.3	1134.3	1114.5	1102.6
37.5°	1358.2	1359.2	1352.3	1339.4	1339.4	1316.6	1286.9	1282.9	1268.1	1263.1	1256.2
40°	1546.5	1541.5	1535.6	1516.7	1509.8	1471.2	1443.4	1433.5	1421.6	1420.6	1412.7
42.5°	1764.4	1758.5	1758.5	1744.6	1730.7	1684.2	1631.7	1624.7	1611.8	1615.8	1612.8
45°	1966.5	1971.5	1978.4	1988.3	1990.3	1970.5	1894.2	1885.3	1878.3	1874.4	1871.4
47.5°	2140.9	2149.8	2172.6	2215.2	2269.7	2276.6	2216.2	2192.4	2187.4	2180.5	2174.6
50°	2265.7	2278.6	2330.1	2413.3	2519.3	2584.7	2552.0	2532.2	2531.2	2512.4	2510.4
52.5°	2337.0	2350.9	2435.1	2560.9	2725.4	2853.2	2893.8	2892.8	2890.8	2874.0	2867.0
55°	2352.9	2367.7	2468.8	2640.2	2875.0	3095.9	3251.4	3255.4	3264.3	3259.3	3259.3
57.5°	2309.3	2328.1	2438.1	2650.1	2953.2	3288.1	3627.9	3650.7	3661.6	3700.2	3744.8
60°	2229.0	2242.9	2352.9	2589.6	2967.1	3463.4	4117.3	4189.6	4246.1	4322.4	4394.7
62.5°	2080.4	2108.2	2213.2	2470.8	2925.5	3665.5	4701.8	4835.5	4945.5	5061.4	5201.1
65°	1900.1	1912.0	2001.2	2226.1	2739.2	3742.8	5024.7	5155.5	5296.2	5420.0	5544.9
67.5°	1674.3	1684.2	1761.4	1857.5	2260.7	3381.2	4706.7	4851.4	4978.2	5080.2	5243.7
70°	1096.7	1118.5	1307.7	1402.8	1580.1	2499.5	3848.8	3988.5	4085.6	4154.9	4344.1
72.5°	803.4	817.3	893.6	1089.8	1133.3	1477.1	2708.5	2860.1	2895.8	3026.5	3114.7
75°	490.4	525.1	697.4	933.2	1104.6	1011.5	1622.7	1696.1	1778.3	1873.4	1957.6
77.5°	99.1	112.9	227.9	643.0	971.9	1080.8	968.9	982.8	1023.4	1032.3	1064.0
80°	15.9	16.8	29.7	277.4	562.7	873.8	968.9	956.0	933.2	917.4	901.5
82.5°	6.9	7.9	12.9	70.3	119.9	291.3	838.1	903.5	978.8	1020.4	1031.3
85°	3.0	3.0	5.0	13.9	17.8	19.8	141.7	187.2	333.9	443.8	511.2
87.5°	2.0	2.0	3.0	3.0	4.0	5.0	6.9	6.9	7.9	8.9	12.9
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
2.5°	154.5	153.6	153.6	150.6	150.6	149.6	149.6	148.6	148.6	146.6	147.6
5°	180.3	178.3	176.3	173.4	172.4	170.4	168.4	165.4	164.5	162.5	161.5
7.5°	215.0	213.0	209.0	203.1	199.1	195.2	191.2	187.2	184.3	181.3	179.3
10°	257.6	251.6	249.7	237.8	232.8	224.9	219.9	216.0	210.0	205.1	202.1
12.5°	309.1	304.1	294.2	278.4	270.5	263.5	254.6	246.7	240.7	231.8	225.9
15°	362.6	358.6	344.8	326.9	317.0	304.1	295.2	287.3	274.4	268.5	257.6
17.5°	430.0	418.1	404.2	378.4	365.6	354.7	338.8	326.9	319.0	301.2	291.3
20°	499.3	486.4	468.6	439.9	422.0	405.2	392.3	376.5	359.6	347.7	330.9
22.5°	578.6	557.8	543.9	508.2	487.4	469.6	447.8	430.9	414.1	395.3	376.5
25°	662.8	642.0	625.1	584.5	562.7	544.9	519.1	495.3	474.5	453.7	431.9
27.5°	750.9	732.1	713.3	671.7	652.9	628.1	604.3	576.6	549.8	531.0	501.3
30°	853.0	837.1	816.3	771.7	750.9	725.2	700.4	667.7	642.0	616.2	587.5
32.5°	962.9	950.1	928.3	888.6	863.9	842.1	815.3	783.6	747.0	720.2	686.5
35°	1096.7	1074.9	1062.0	1024.4	1005.5	981.8	954.0	926.3	887.7	850.0	821.3
37.5°	1249.3	1239.3	1222.5	1186.8	1173.0	1148.2	1130.4	1102.6	1072.9	1025.4	994.6
40°	1405.8	1398.8	1384.0	1348.3	1334.5	1317.6	1296.8	1270.1	1234.4	1209.6	1164.1
42.5°	1604.9	1594.0	1582.1	1548.4	1521.7	1500.9	1492.0	1469.2	1431.5	1399.8	1364.2
45°	1857.5	1852.6	1836.7	1803.0	1776.3	1762.4	1748.6	1709.9	1685.2	1653.5	1628.7
47.5°	2162.7	2146.8	2138.9	2101.2	2092.3	2081.4	2045.8	2024.0	1988.3	1963.5	1932.8
50°	2492.6	2475.7	2476.7	2431.1	2433.1	2425.2	2398.4	2372.7	2342.0	2320.2	2301.4
52.5°	2847.2	2855.2	2835.3	2849.2	2833.4	2815.5	2810.6	2778.9	2752.1	2751.1	2725.4
55°	3283.1	3270.2	3275.2	3289.1	3267.3	3287.1	3277.2	3236.6	3237.6	3245.5	3215.8
57.5°	3751.7	3770.5	3811.2	3820.1	3857.7	3832.0	3899.3	3850.8	3880.5	3880.5	3860.7
60°	4439.3	4514.5	4612.6	4688.9	4759.2	4736.5	4824.6	4769.2	4808.8	4775.1	4758.3
62.5°	5267.5	5367.5	5483.4	5607.3	5678.6	5696.4	5683.6	5708.3	5669.7	5644.9	5580.5
65°	5665.7	5764.8	5865.8	6014.4	6034.3	6049.1	6043.2	6001.6	5954.0	5883.7	5799.5
67.5°	5334.8	5473.5	5530.0	5701.4	5758.8	5738.0	5745.0	5691.5	5617.2	5547.8	5424.0
70°	4423.4	4581.9	4611.6	4857.3	4925.7	5024.7	4989.1	4973.2	4892.0	4833.5	4696.8
72.5°	3220.7	3344.5	3334.6	3611.0	3599.2	3639.8	3735.9	3731.9	3646.7	3627.9	3513.0
75°	1982.4	2056.7	2052.7	2248.9	2166.6	2154.7	2181.5	2169.6	2089.4	2006.1	1934.8
77.5°	1050.1	1083.8	1048.1	989.7	983.7	917.4	898.6	897.6	836.1	760.8	705.4
80°	884.7	850.0	808.4	723.2	673.7	629.1	587.5	548.8	507.2	451.8	384.4
82.5°	1033.3	1016.4	986.7	879.7	828.2	739.1	672.7	610.3	534.0	476.5	390.3
85°	503.3	502.3	526.1	515.2	496.3	492.4	427.0	413.1	382.4	350.7	293.2
87.5°	13.9	9.9	11.9	9.9	11.9	12.9	8.9	20.8	12.9	11.9	13.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
2.5°	146.6	145.6	144.6	144.6	143.6	143.6	142.7	141.7	141.7	140.7	140.7
5°	159.5	157.5	156.5	155.5	153.6	152.6	150.6	149.6	147.6	146.6	144.6
7.5°	175.4	173.4	169.4	167.4	164.5	163.5	158.5	156.5	154.5	152.6	149.6
10°	195.2	190.2	186.2	182.3	177.3	173.4	169.4	166.4	162.5	157.5	155.5
12.5°	219.9	213.0	207.1	200.1	194.2	188.2	181.3	176.3	170.4	165.4	160.5
15°	247.7	237.8	229.8	219.9	210.0	203.1	196.2	189.2	181.3	174.4	168.4
17.5°	279.4	266.5	255.6	243.7	232.8	222.9	211.0	202.1	193.2	183.3	175.4
20°	313.1	300.2	285.3	272.4	256.6	245.7	230.8	218.9	206.1	196.2	185.3
22.5°	357.6	340.8	322.0	304.1	287.3	270.5	254.6	239.7	223.9	209.0	198.1
25°	410.1	389.3	365.6	347.7	324.0	305.1	285.3	266.5	249.7	230.8	213.0
27.5°	475.5	447.8	422.0	397.3	371.5	347.7	322.0	300.2	277.4	255.6	235.8
30°	551.8	525.1	486.4	458.7	432.9	400.2	374.5	345.7	320.0	288.3	266.5
32.5°	652.9	618.2	577.6	540.9	507.2	470.6	434.9	398.3	364.6	335.8	303.1
35°	784.6	744.0	695.5	648.9	611.3	566.7	521.1	479.5	440.9	399.2	358.6
37.5°	951.1	913.4	860.9	804.4	753.9	700.4	652.9	594.4	542.9	492.4	440.9
40°	1116.5	1081.8	1027.3	966.9	901.5	840.1	779.7	713.3	647.9	584.5	531.0
42.5°	1320.6	1269.1	1210.6	1142.3	1078.9	1005.5	930.3	854.0	775.7	699.4	623.1
45°	1577.2	1537.5	1455.3	1382.0	1306.7	1220.5	1127.4	1040.2	940.2	850.0	749.0
47.5°	1889.2	1817.9	1757.5	1690.1	1596.0	1512.8	1393.9	1290.9	1166.0	1046.2	925.3
50°	2257.8	2218.1	2137.9	2053.7	1951.6	1852.6	1736.7	1588.1	1438.5	1310.7	1145.2
52.5°	2688.7	2632.2	2581.7	2494.5	2390.5	2263.7	2132.0	1970.5	1787.2	1606.9	1430.5
55°	3199.9	3160.3	3111.7	3042.4	2909.6	2766.0	2607.5	2414.3	2197.3	1954.6	1749.5
57.5°	3859.7	3818.1	3771.5	3628.9	3538.7	3362.4	3132.5	2932.4	2698.6	2387.5	2132.9
60°	4760.2	4703.8	4638.4	4522.5	4334.2	4105.4	3858.7	3562.5	3276.2	2936.4	2602.5
62.5°	5530.0	5439.8	5300.2	5150.6	4924.7	4662.2	4352.1	4003.4	3677.4	3295.0	2923.5
65°	5688.5	5564.7	5400.2	5205.1	4972.2	4676.0	4352.1	4018.2	3634.8	3275.2	2901.7
67.5°	5276.4	5132.7	4964.3	4746.4	4524.5	4219.3	3939.9	3600.1	3239.5	2928.5	2594.6
70°	4598.8	4385.8	4213.4	3981.6	3756.7	3516.9	3222.7	2968.1	2674.8	2388.5	2132.9
72.5°	3453.5	3243.5	3087.0	2901.7	2768.0	2514.4	2298.4	2108.2	1934.8	1720.8	1531.6
75°	1861.5	1704.0	1599.0	1514.8	1394.9	1227.5	1124.4	993.7	920.3	831.2	745.0
77.5°	607.3	535.0	456.7	380.4	326.9	245.7	237.8	189.2	178.3	173.4	133.7
80°	311.1	239.7	173.4	124.8	95.1	84.2	80.2	76.3	72.3	69.3	64.4
82.5°	312.1	225.9	155.5	108.0	78.3	65.4	61.4	59.4	56.5	53.5	49.5
85°	227.9	168.4	115.9	79.3	54.5	43.6	41.6	38.6	36.7	35.7	31.7
87.5°	14.9	10.9	9.9	8.9	8.9	8.9	9.9	8.9	9.9	9.9	8.9
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°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
2.5°	139.7	138.7	138.7	137.7	136.7	136.7	135.7	135.7	132.8	127.8	123.8
5°	143.6	141.7	140.7	139.7	138.7	136.7	135.7	134.7	129.8	119.9	111.9
7.5°	146.6	144.6	143.6	141.7	138.7	137.7	135.7	133.7	125.8	111.9	103.0
10°	151.6	148.6	145.6	142.7	139.7	137.7	134.7	132.8	120.9	105.0	96.1
12.5°	156.5	152.6	148.6	143.6	140.7	137.7	134.7	130.8	116.9	99.1	89.2
15°	162.5	156.5	151.6	146.6	141.7	137.7	132.8	129.8	112.9	94.1	85.2
17.5°	168.4	161.5	154.5	147.6	142.7	136.7	132.8	127.8	109.0	90.2	80.2
20°	175.4	165.4	158.5	150.6	143.6	136.7	130.8	125.8	105.0	85.2	75.3
22.5°	185.3	173.4	162.5	153.6	144.6	137.7	130.8	123.8	101.0	81.2	71.3
25°	198.1	183.3	170.4	159.5	148.6	139.7	131.8	124.8	98.1	78.3	66.4
27.5°	217.0	198.1	184.3	169.4	155.5	144.6	134.7	126.8	96.1	75.3	63.4
30°	239.7	220.9	199.1	181.3	166.4	151.6	140.7	128.8	94.1	72.3	59.4
32.5°	273.4	246.7	220.9	199.1	178.3	161.5	145.6	133.7	93.1	67.4	55.5
35°	322.0	285.3	254.6	225.9	197.1	176.3	157.5	141.7	92.1	63.4	51.5
37.5°	391.3	347.7	308.1	267.5	231.8	202.1	176.3	155.5	92.1	60.4	47.6
40°	465.6	409.2	358.6	308.1	262.5	224.9	190.2	164.5	90.2	56.5	43.6
42.5°	549.8	480.5	411.1	348.7	292.3	243.7	203.1	171.4	85.2	52.5	39.6
45°	662.8	571.6	488.4	408.2	334.9	271.4	219.9	179.3	80.2	49.5	35.7
47.5°	804.4	698.4	590.4	489.4	393.3	313.1	244.7	192.2	77.3	45.6	32.7
50°	1015.5	864.9	722.2	593.4	471.6	366.6	281.4	211.0	74.3	42.6	29.7
52.5°	1247.3	1062.0	894.6	729.1	577.6	438.9	324.0	235.8	71.3	39.6	26.7
55°	1529.6	1301.8	1097.7	882.7	688.5	523.1	376.5	263.5	67.4	36.7	24.8
57.5°	1878.3	1590.0	1348.3	1085.8	842.1	632.1	446.8	310.1	63.4	32.7	21.8
60°	2267.7	1941.7	1637.6	1329.5	1034.3	776.7	550.8	376.5	59.4	28.7	18.8
62.5°	2548.0	2190.4	1842.7	1496.9	1173.0	884.7	635.0	428.0	53.5	24.8	16.8
65°	2545.1	2182.5	1832.8	1492.0	1176.9	888.6	638.0	437.9	47.6	21.8	14.9
67.5°	2267.7	1962.5	1650.5	1344.4	1068.9	808.4	590.4	406.2	40.6	19.8	12.9
70°	1865.5	1622.7	1376.1	1133.3	912.4	692.5	510.2	353.7	34.7	17.8	10.9
72.5°	1362.2	1184.9	1034.3	862.9	712.3	546.9	407.2	277.4	27.7	14.9	9.9
75°	676.6	605.3	519.1	465.6	397.3	324.9	252.6	161.5	22.8	11.9	8.9
77.5°	128.8	114.9	110.0	95.1	87.2	77.3	68.4	48.5	17.8	8.9	7.9
80°	59.4	54.5	49.5	44.6	39.6	33.7	29.7	25.8	13.9	6.9	8.9
82.5°	46.6	42.6	37.6	33.7	29.7	25.8	21.8	18.8	8.9	5.9	8.9
85°	30.7	26.7	23.8	20.8	17.8	15.9	13.9	11.9	5.9	5.9	5.9
87.5°	8.9	8.9	7.9	7.9	6.9	6.9	5.9	5.9	5.0	5.0	5.0
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°	134.7	134.7	134.7	134.7	134.7	134.7	134.7
2.5°	119.9	114.9	112.9	111.9	111.9	112.9	111.9
5°	106.0	101.0	99.1	97.1	97.1	97.1	98.1
7.5°	97.1	92.1	89.2	88.2	87.2	88.2	88.2
10°	89.2	85.2	81.2	79.3	79.3	79.3	79.3
12.5°	83.2	78.3	74.3	73.3	72.3	72.3	72.3
15°	78.3	72.3	69.3	67.4	66.4	66.4	67.4
17.5°	72.3	67.4	63.4	62.4	62.4	62.4	62.4
20°	68.4	62.4	59.4	57.5	57.5	57.5	57.5
22.5°	63.4	58.5	54.5	52.5	52.5	52.5	52.5
25°	59.4	54.5	50.5	48.5	48.5	48.5	48.5
27.5°	55.5	50.5	46.6	44.6	44.6	44.6	44.6
30°	51.5	46.6	42.6	40.6	40.6	40.6	40.6
32.5°	48.5	42.6	38.6	36.7	36.7	37.6	36.7
35°	43.6	38.6	34.7	32.7	32.7	32.7	32.7
37.5°	39.6	34.7	30.7	28.7	28.7	28.7	27.7
40°	36.7	30.7	26.7	24.8	23.8	23.8	23.8
42.5°	31.7	25.8	22.8	20.8	19.8	19.8	19.8
45°	28.7	22.8	18.8	16.8	16.8	16.8	16.8
47.5°	25.8	19.8	15.9	13.9	13.9	14.9	14.9
50°	22.8	16.8	12.9	12.9	12.9	13.9	13.9
52.5°	19.8	14.9	11.9	11.9	12.9	13.9	13.9
55°	17.8	12.9	10.9	11.9	12.9	13.9	13.9
57.5°	15.9	10.9	10.9	11.9	12.9	13.9	13.9
60°	13.9	9.9	9.9	10.9	12.9	13.9	13.9
62.5°	11.9	9.9	9.9	10.9	12.9	13.9	13.9
65°	10.9	9.9	9.9	10.9	12.9	13.9	13.9
67.5°	9.9	8.9	9.9	10.9	11.9	12.9	12.9
70°	8.9	8.9	9.9	10.9	11.9	12.9	12.9
72.5°	8.9	8.9	8.9	9.9	10.9	11.9	11.9
75°	8.9	8.9	8.9	9.9	10.9	11.9	11.9
77.5°	8.9	7.9	7.9	8.9	10.9	11.9	11.9
80°	8.9	7.9	7.9	8.9	9.9	11.9	11.9
82.5°	6.9	6.9	7.9	8.9	9.9	10.9	10.9
85°	5.9	6.9	6.9	7.9	8.9	10.9	10.9
87.5°	5.0	5.0	5.9	6.9	7.9	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)