

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: P180443

Luminaire Tested: **ICS-F03-LED-E1-SL2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180443
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F03-LED-E1-SL2-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4087.1 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

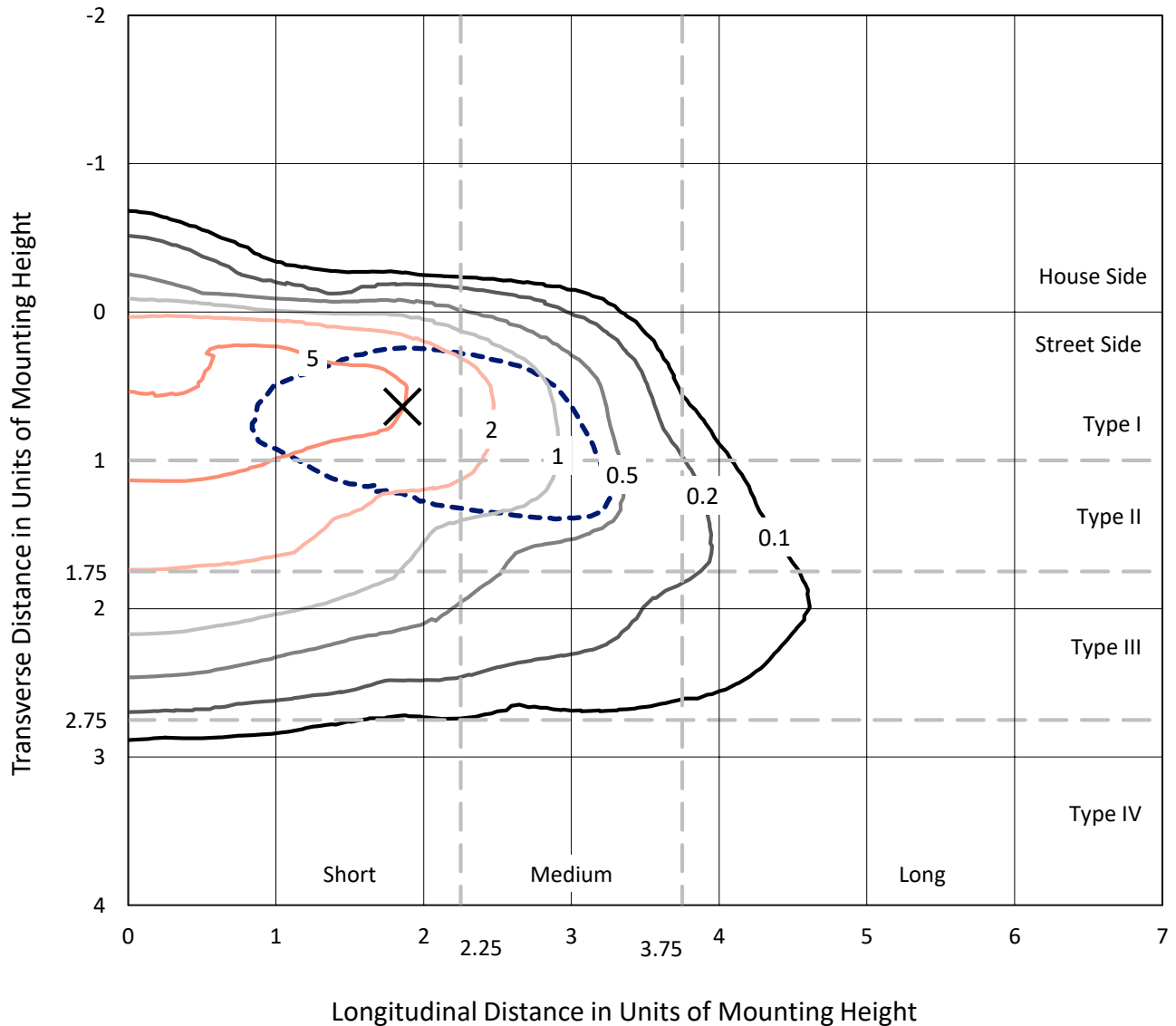
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

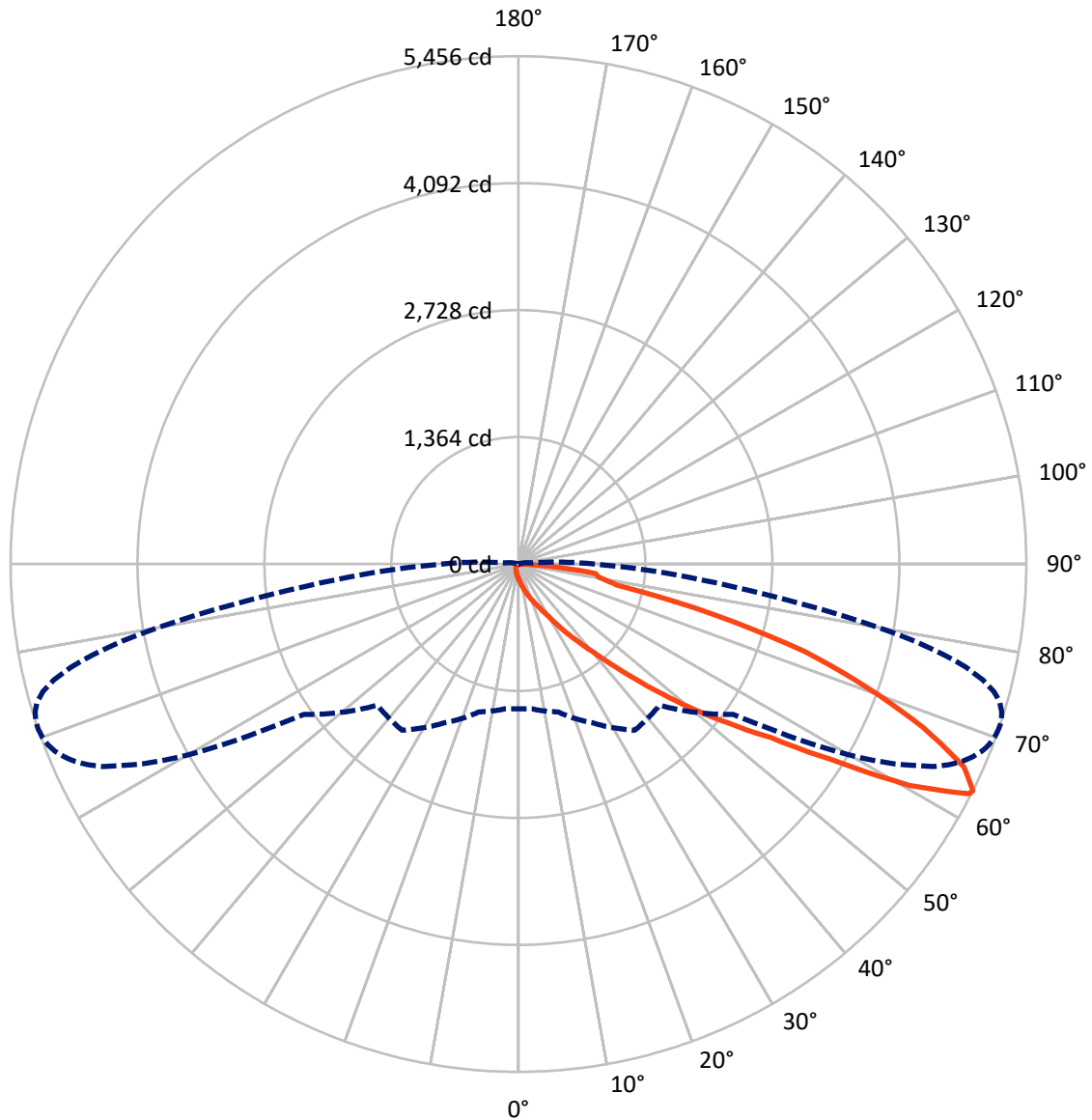
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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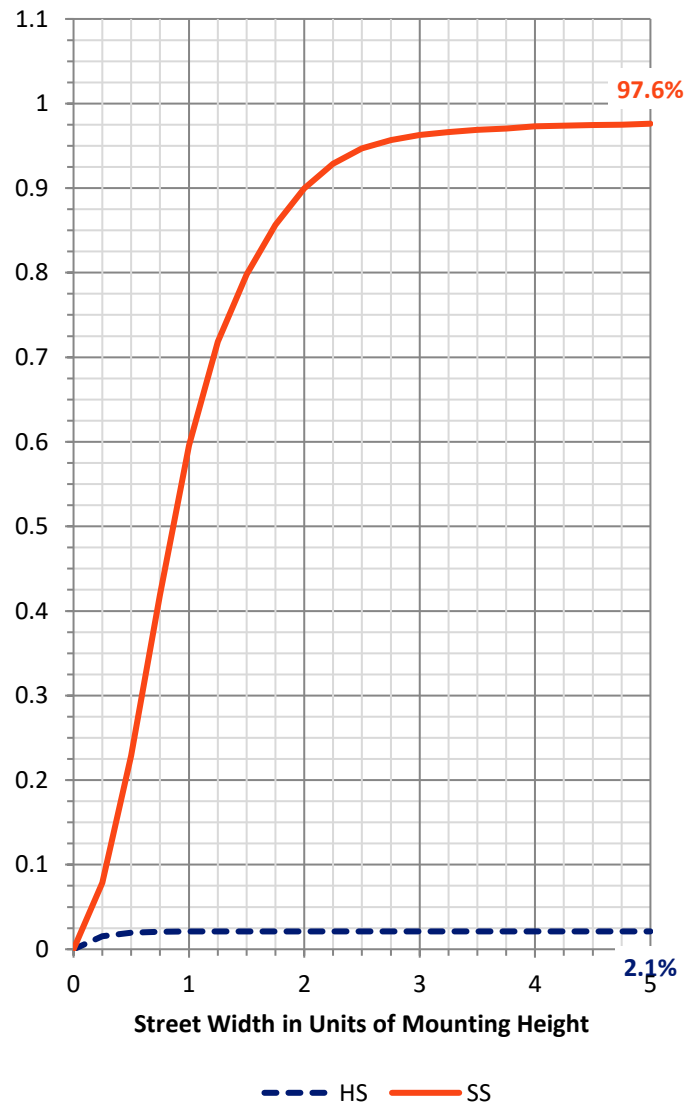
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	86.8	0.0	86.8
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	4000.3	0.0	4000.3
	% Fixture	97.9	0.0	97.9
Total	Lumens	4087.1	0.0	4087.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.4
10°-20°	67.2	1.6
20°-30°	136.5	3.3
30°-40°	333.5	8.2
40°-50°	745.8	18.2
50°-60°	1048.7	25.7
60°-70°	1233.2	30.2
70°-80°	445.3	10.9
80°-90°	59.5	1.5
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°	4087.1	100.0
0°-180°	4087.1	100.0



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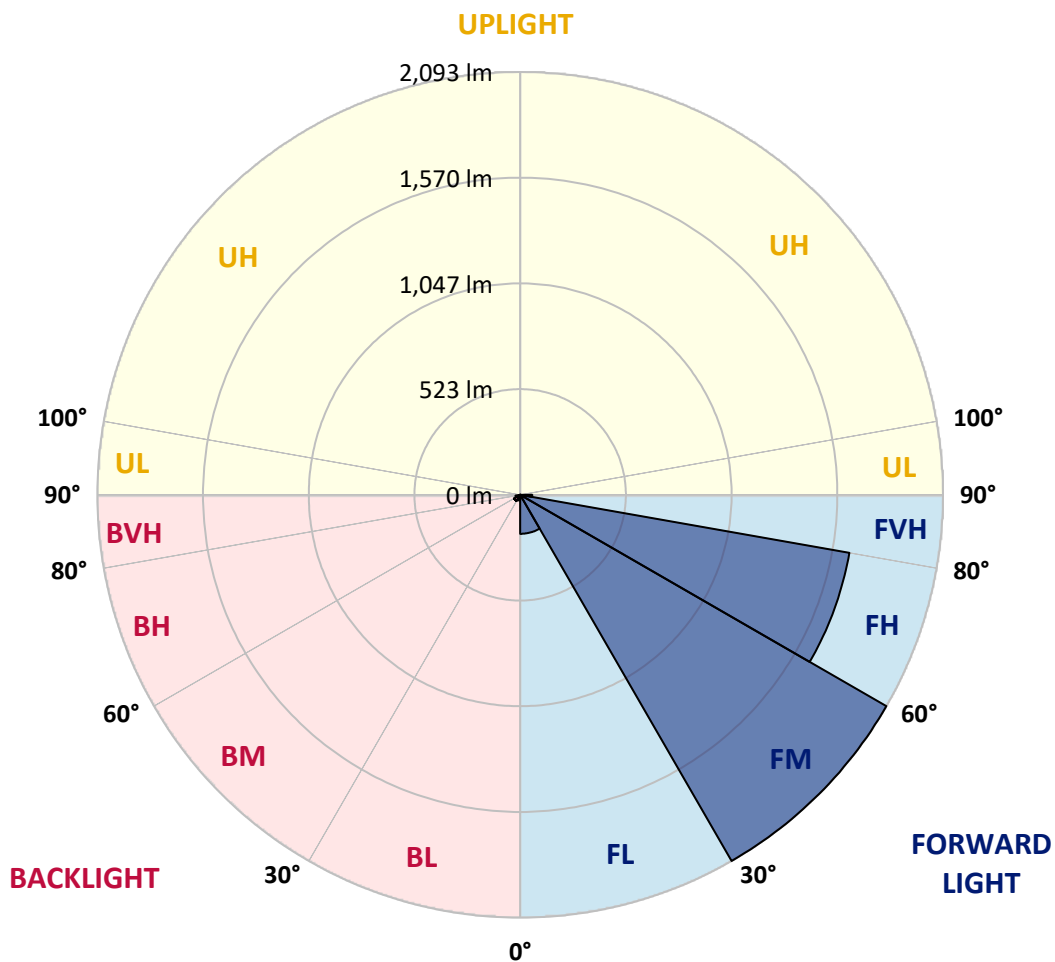
CATALOG NUMBER: ICS-F03-LED-E1-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.1	4.7			
FM (30°-60°)	2093.1	51.2			
FH (60°-80°)	1654.7	40.5			G1/1800
FVH (80°-90°)	59.4	1.5			G1/100
BL (0°-30°)	27.9	0.7	B0/110		
BM (30°-60°)	35.0	0.9	B0/220		
BH (60°-80°)	23.8	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8
2.5°	205.1	207.3	205.8	202.1	197.6	191.7	186.5	186.5	185.8	183.5	184.3
5°	269.0	269.7	266.7	257.8	249.7	237.0	222.9	221.4	219.9	217.7	217.0
7.5°	331.4	334.4	331.4	321.7	305.4	286.1	263.8	261.5	257.1	257.1	254.1
10°	395.3	395.3	392.3	381.2	366.3	338.8	310.6	306.9	301.7	300.2	295.7
12.5°	440.6	440.6	439.1	433.2	421.3	396.8	362.6	358.9	352.2	350.0	344.8
15°	458.4	458.4	459.2	464.4	465.1	454.0	418.3	415.3	408.7	402.7	400.5
17.5°	469.6	468.8	468.8	476.3	489.6	497.1	474.0	471.1	463.6	460.7	453.2
20°	494.1	492.6	488.2	488.2	500.8	526.8	526.8	526.1	517.9	515.7	511.9
22.5°	530.5	529.0	515.7	504.5	510.4	543.1	573.6	572.1	569.1	566.2	563.9
25°	590.0	584.8	561.7	529.0	523.8	558.7	609.3	613.0	615.2	615.2	616.7
27.5°	679.9	673.2	632.3	571.4	548.3	584.0	648.7	656.1	662.8	664.3	670.9
30°	804.7	792.8	734.1	644.9	592.2	621.2	706.6	714.8	724.4	727.4	737.8
32.5°	1009.8	1003.1	946.6	812.9	699.9	694.0	787.6	798.0	810.6	815.8	828.5
35°	1321.8	1323.3	1277.2	1156.9	1000.8	919.1	932.5	941.4	945.9	961.5	968.1
37.5°	1533.6	1537.3	1547.7	1500.1	1388.7	1305.5	1200.7	1210.4	1187.3	1189.6	1190.3
40°	1649.5	1661.4	1722.3	1768.4	1759.5	1711.2	1627.2	1632.4	1589.3	1579.6	1532.8
42.5°	1726.8	1742.4	1839.7	1982.4	2055.2	2099.0	2079.7	2077.5	2044.0	2031.4	1992.0
45°	1775.1	1789.2	1911.8	2122.0	2290.0	2417.8	2470.5	2476.5	2448.2	2435.6	2402.9
47.5°	1772.8	1789.2	1920.7	2174.1	2421.5	2625.8	2774.4	2781.8	2798.9	2787.8	2790.0
50°	1674.8	1690.4	1822.6	2085.6	2382.8	2720.9	2992.9	3016.6	3044.1	3062.7	3071.6
52.5°	1555.9	1567.0	1684.4	1934.1	2217.9	2681.5	3122.1	3163.0	3203.9	3238.8	3263.3
55°	1512.0	1524.7	1616.8	1824.1	2085.6	2516.6	3182.3	3242.5	3300.5	3357.7	3404.5
57.5°	1535.1	1547.0	1613.1	1772.1	2006.9	2342.7	3199.4	3293.0	3388.1	3481.0	3573.1
60°	1619.8	1632.4	1688.9	1820.4	1986.1	2242.4	3132.5	3287.8	3446.1	3608.1	3760.4
62.5°	1586.3	1591.5	1674.8	1905.1	2134.7	2157.0	2889.6	3106.5	3348.0	3597.7	3843.6
63°	1554.4	1560.3	1645.0	1882.1	2180.0	2144.3	2814.5	3043.4	3298.2	3567.2	3834.7
65°	1409.5	1410.2	1474.9	1662.1	2129.5	2166.6	2480.2	2698.6	2991.4	3313.8	3651.9
67.5°	1052.1	1046.9	1109.3	1252.0	1671.8	2167.4	2128.7	2251.3	2454.9	2741.0	3044.1
70°	373.0	364.8	465.9	663.5	1041.7	1772.8	1829.3	1837.5	1893.9	2048.5	2238.7
72.5°	121.1	123.3	148.6	243.0	480.0	1193.3	1656.2	1630.9	1616.1	1615.3	1640.6
75°	48.3	49.0	59.4	107.7	215.5	575.1	1450.4	1464.5	1469.7	1477.1	1485.3
77.5°	23.0	25.3	33.4	60.2	107.0	284.6	1038.0	1157.6	1226.0	1278.7	1310.7
80°	8.2	9.7	18.6	37.2	49.8	130.8	546.9	659.8	760.1	889.4	1000.8
82.5°	0.0	0.0	3.7	26.0	27.5	52.8	224.4	263.0	300.9	390.1	500.8
85°	0.0	0.0	0.0	7.4	8.2	8.9	75.8	91.4	102.5	119.6	138.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.2	4.5	11.1	17.1
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8
2.5°	182.8	182.0	182.0	180.6	179.8	178.3	177.6	175.4	174.6	174.6	174.6
5°	216.2	213.2	211.8	208.0	205.8	205.1	201.4	199.9	197.6	198.4	194.7
7.5°	253.4	248.2	245.9	240.7	239.3	234.0	232.6	228.8	226.6	222.2	220.7
10°	294.2	287.5	283.8	275.7	273.4	269.7	265.3	260.8	257.1	252.6	250.4
12.5°	341.0	335.1	332.1	321.0	315.8	310.6	304.6	298.7	292.7	289.0	283.8
15°	396.0	386.4	383.4	373.0	364.1	357.4	349.2	341.8	337.3	329.9	324.7
17.5°	450.3	440.6	438.4	422.8	413.1	408.7	399.7	390.1	381.9	374.5	366.3
20°	504.5	497.8	491.9	477.0	466.6	459.2	447.3	437.6	430.9	420.5	410.1
22.5°	558.7	552.1	547.6	532.0	522.3	511.9	501.5	491.1	481.5	468.8	457.0
25°	614.5	610.0	607.8	593.7	584.8	575.1	564.7	552.8	540.9	526.8	514.2
27.5°	672.4	673.9	669.5	666.5	656.8	650.1	633.8	625.6	616.7	599.6	584.0
30°	746.0	750.4	749.0	751.2	745.2	740.8	728.2	717.8	707.3	691.0	673.2
32.5°	838.9	844.8	847.8	856.0	853.0	851.5	847.8	832.9	825.5	797.3	789.8
35°	982.3	979.3	991.9	998.6	995.6	994.2	989.7	981.5	972.6	952.5	934.0
37.5°	1168.8	1171.7	1176.2	1162.8	1153.9	1153.2	1139.8	1131.6	1119.0	1096.7	1074.4
40°	1510.5	1492.0	1471.2	1414.7	1390.2	1376.1	1336.7	1325.5	1304.0	1273.5	1250.5
42.5°	1954.9	1936.3	1873.9	1779.5	1729.0	1659.1	1627.2	1587.8	1557.4	1507.6	1480.8
45°	2396.2	2342.7	2335.3	2225.3	2162.9	2070.8	2013.6	1947.4	1878.3	1813.0	1765.4
47.5°	2768.5	2756.6	2720.2	2653.3	2595.3	2518.1	2444.5	2342.7	2271.4	2178.5	2093.1
50°	3066.4	3065.7	3052.3	3013.7	2965.4	2903.0	2838.3	2752.1	2671.1	2557.5	2466.1
52.5°	3289.3	3301.2	3305.7	3293.8	3275.2	3220.2	3187.5	3115.5	3047.1	2950.5	2851.7
55°	3452.8	3496.6	3518.9	3544.2	3539.0	3519.7	3518.2	3471.4	3440.1	3363.6	3293.8
57.5°	3654.9	3727.0	3796.1	3918.6	3923.1	3966.2	3988.5	4010.8	4016.7	3986.3	3963.2
60°	3912.0	4059.1	4189.8	4446.2	4513.1	4618.6	4686.9	4761.2	4824.4	4829.6	4828.1
62.5°	4093.3	4319.9	4530.9	4911.3	5041.3	5163.2	5254.6	5326.7	5370.5	5415.1	5435.9
63°	4098.5	4346.6	4571.0	4963.3	5100.0	5216.0	5302.9	5369.8	5415.8	5442.6	5455.9
65°	3972.9	4273.8	4541.3	4932.1	5060.7	5177.3	5222.6	5266.5	5288.8	5299.2	5259.8
67.5°	3367.3	3661.6	3973.6	4410.5	4520.5	4660.2	4697.3	4719.6	4730.0	4727.8	4694.4
70°	2518.1	2764.8	3111.7	3611.0	3756.7	3893.4	3978.1	4014.5	4026.4	4022.7	3972.9
72.5°	1758.0	1902.9	2188.9	2744.7	2943.1	3118.4	3223.2	3277.4	3288.6	3266.3	3220.2
75°	1476.4	1483.8	1548.4	1852.3	2038.1	2225.3	2343.5	2377.6	2355.4	2287.7	2170.3
77.5°	1318.1	1334.5	1334.5	1379.8	1416.2	1468.2	1479.3	1396.1	1299.5	1174.7	1073.7
80°	1105.6	1162.8	1202.9	1236.4	1240.1	1229.7	1202.2	1155.4	1081.1	986.0	880.5
82.5°	671.7	784.6	830.7	1003.1	1087.8	1145.0	1140.5	1078.1	1021.6	922.8	832.9
85°	169.4	182.8	198.4	257.8	289.0	352.9	393.1	411.6	418.3	384.1	347.7
87.5°	16.3	11.1	18.6	14.1	20.1	14.9	20.1	18.6	23.0	24.5	26.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8
2.5°	173.1	172.4	171.6	170.9	170.1	169.4	167.9	167.9	166.4	165.7	164.9
5°	192.4	191.0	190.2	188.7	186.5	185.0	182.8	179.8	177.6	176.8	175.4
7.5°	217.0	213.2	211.8	209.5	206.6	202.1	199.1	196.9	193.2	191.0	186.5
10°	244.5	240.7	236.3	231.8	227.4	222.2	218.4	215.5	209.5	206.6	201.4
12.5°	279.4	272.7	267.5	261.5	255.6	249.7	245.2	236.3	231.1	224.4	219.9
15°	315.0	309.1	303.1	295.7	286.8	277.1	272.7	264.5	257.8	247.4	241.5
17.5°	358.1	347.0	338.1	329.2	321.0	312.1	303.1	290.5	280.9	271.9	260.1
20°	400.5	387.1	377.5	365.6	353.7	339.6	329.2	320.2	306.9	295.0	282.3
22.5°	445.8	432.4	416.8	404.9	388.6	377.5	363.3	348.5	335.1	319.5	303.9
25°	500.8	486.7	468.8	453.2	434.7	419.1	402.0	384.9	368.5	350.7	330.6
27.5°	568.4	553.5	534.2	515.7	491.1	471.8	455.5	432.4	411.6	389.3	366.3
30°	653.9	637.5	613.7	587.0	562.5	540.9	517.9	487.4	464.4	437.6	407.9
32.5°	765.3	746.0	714.0	688.8	658.3	630.1	598.1	567.7	535.0	500.0	465.9
35°	905.7	887.9	850.7	813.6	780.2	746.7	706.6	671.7	625.6	583.3	539.4
37.5°	1051.4	1019.4	985.2	945.1	903.5	863.4	814.3	766.0	713.3	667.2	612.2
40°	1217.8	1179.2	1150.9	1107.8	1049.1	991.9	946.6	886.4	820.3	758.6	694.0
42.5°	1445.9	1402.8	1352.3	1286.9	1244.5	1177.7	1119.0	1047.6	960.7	891.6	813.6
45°	1709.7	1651.0	1601.9	1538.8	1487.5	1404.3	1335.9	1240.8	1153.9	1063.3	968.1
47.5°	2010.6	1937.8	1866.4	1804.0	1722.3	1640.6	1553.6	1452.6	1341.1	1241.6	1128.6
50°	2356.1	2252.8	2154.0	2073.7	1961.6	1867.2	1772.8	1659.1	1535.8	1421.4	1292.8
52.5°	2740.2	2620.6	2489.8	2366.5	2236.5	2115.4	2001.7	1870.9	1733.4	1593.8	1450.4
55°	3203.9	3114.0	2960.2	2803.4	2629.5	2467.5	2321.2	2159.2	1992.0	1808.5	1657.7
57.5°	3929.8	3886.0	3757.4	3600.6	3374.0	3177.1	2929.0	2730.6	2488.4	2235.7	2041.1
60°	4913.5	4859.3	4787.2	4660.2	4480.4	4212.9	3939.5	3631.1	3262.6	2912.6	2580.5
62.5°	5438.1	5418.8	5360.1	5272.4	5104.5	4893.5	4617.8	4279.0	3862.9	3437.9	3014.4
63°	5453.7	5429.2	5378.7	5289.5	5141.6	4937.3	4666.9	4337.7	3930.5	3497.4	3064.9
65°	5242.7	5233.0	5181.8	5084.4	4983.4	4827.4	4617.8	4334.7	3993.0	3583.6	3153.3
67.5°	4649.8	4620.8	4542.0	4512.3	4441.7	4333.3	4173.5	3978.8	3734.4	3412.7	3041.2
70°	3932.8	3889.7	3790.9	3738.1	3651.9	3583.6	3486.2	3347.3	3196.4	2972.1	2694.9
72.5°	3172.7	3083.5	2992.9	2855.4	2735.0	2613.2	2505.4	2407.4	2241.7	2151.0	1940.7
75°	2060.4	1898.4	1743.1	1535.1	1347.8	1182.1	1020.9	939.2	769.0	699.9	601.1
77.5°	977.8	887.2	765.3	670.9	550.6	449.5	367.0	275.7	216.2	169.4	129.3
80°	789.1	712.5	639.0	553.5	462.9	369.3	283.1	211.8	150.1	104.0	73.6
82.5°	703.6	620.4	529.8	471.1	409.4	335.1	274.9	224.4	165.7	121.1	82.5
85°	273.4	230.3	177.6	144.9	112.9	92.9	84.0	58.0	45.3	35.7	27.5
87.5°	23.8	19.3	15.6	10.4	11.1	5.9	6.7	4.5	3.7	3.7	3.0
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8
2.5°	164.2	163.5	162.7	161.2	161.2	159.7	159.0	158.3	154.5	146.4	139.7
5°	172.4	170.9	169.4	167.2	165.7	163.5	162.0	159.7	151.6	136.0	122.6
7.5°	184.3	181.3	179.1	174.6	172.4	169.4	167.2	163.5	150.1	126.3	107.7
10°	198.4	193.2	189.5	184.3	179.8	176.1	172.4	167.2	148.6	115.9	94.4
12.5°	215.5	209.5	202.1	196.2	190.2	185.0	179.8	173.1	146.4	107.0	84.0
15°	232.6	223.6	218.4	210.3	202.1	194.7	187.2	181.3	147.1	97.3	75.0
17.5°	251.9	243.0	231.8	222.9	214.0	204.3	195.4	183.5	143.4	89.9	68.4
20°	270.5	257.8	247.4	236.3	223.6	211.8	200.6	190.2	140.4	82.5	62.4
22.5°	290.5	275.7	262.3	248.2	232.6	219.2	205.8	192.4	135.2	75.8	57.2
25°	315.0	297.9	278.6	261.5	245.2	228.8	211.8	195.4	130.0	69.8	53.5
27.5°	344.8	322.5	303.1	281.6	258.6	237.8	219.2	201.4	124.8	65.4	49.8
30°	382.7	356.6	329.2	301.7	277.1	253.4	227.4	205.1	119.6	60.9	46.1
32.5°	433.2	400.5	367.0	335.1	302.4	271.9	244.5	215.5	116.7	57.2	42.4
35°	500.0	457.7	416.8	376.7	337.3	300.2	264.5	231.8	116.7	52.8	37.9
37.5°	563.2	514.2	462.2	412.4	365.6	322.5	280.1	240.7	110.7	49.0	34.2
40°	631.6	572.9	511.9	453.2	396.8	343.3	295.0	249.7	105.5	44.6	30.5
42.5°	736.3	662.0	582.5	514.2	446.6	380.4	320.2	266.7	98.8	40.1	26.7
45°	873.8	779.4	685.8	602.6	516.4	435.4	364.1	297.9	97.3	36.4	23.0
47.5°	1020.9	909.4	799.5	693.2	592.2	497.8	412.4	332.9	97.3	32.7	20.1
50°	1167.3	1027.6	910.2	786.9	673.2	561.7	459.9	369.3	98.1	29.7	16.3
52.5°	1299.5	1150.2	1018.7	876.0	750.4	621.2	510.4	404.9	96.6	26.0	13.4
55°	1483.1	1307.7	1155.4	997.9	850.7	705.1	579.6	458.4	97.3	23.0	11.1
57.5°	1821.1	1615.3	1431.8	1225.2	1055.8	867.8	715.5	568.4	106.3	19.3	8.2
60°	2306.3	2038.8	1781.0	1529.1	1313.6	1090.0	892.4	719.2	124.8	15.6	5.9
62.5°	2632.5	2282.5	1974.9	1697.0	1446.6	1212.6	997.1	800.2	137.5	12.6	3.7
63°	2665.9	2304.1	1995.0	1708.2	1452.6	1218.5	1001.6	806.2	138.2	11.9	3.7
65°	2729.1	2341.2	2006.1	1710.4	1446.6	1210.4	998.6	805.4	139.7	9.7	3.0
67.5°	2657.0	2284.0	1941.5	1646.5	1394.6	1162.1	961.5	775.7	138.9	6.7	2.2
70°	2376.2	2067.1	1766.1	1491.2	1262.4	1052.1	875.3	707.3	127.8	4.5	1.5
72.5°	1744.6	1534.3	1301.0	1102.6	951.1	789.8	673.9	531.3	98.8	3.0	0.7
75°	517.1	471.1	396.0	349.2	308.4	254.9	226.6	176.8	50.5	1.5	0.0
77.5°	103.3	93.6	84.0	76.5	72.1	61.7	58.7	48.3	20.8	0.7	0.0
80°	54.2	44.6	37.9	33.4	29.0	23.8	20.1	16.3	3.7	0.0	0.0
82.5°	52.0	34.9	25.3	20.8	17.8	14.1	11.1	8.2	2.2	0.0	0.0
85°	19.3	14.9	11.1	8.9	7.4	6.7	5.2	4.5	0.0	0.0	0.0
87.5°	3.0	2.2	2.2	1.5	1.5	0.7	0.7	0.7	0.0	0.0	0.0
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°	156.8	156.8	156.8	156.8	156.8	156.8	156.8
2.5°	133.0	127.1	124.1	120.4	120.4	119.6	121.1
5°	110.7	102.5	96.6	92.1	92.9	90.6	91.4
7.5°	93.6	85.4	80.2	77.3	76.5	75.8	75.8
10°	81.0	73.6	69.1	66.9	66.1	66.1	66.1
12.5°	72.1	64.6	60.9	59.4	59.4	58.7	58.7
15°	64.6	58.7	55.0	53.5	53.5	52.8	53.5
17.5°	58.7	52.8	49.8	48.3	48.3	47.6	47.6
20°	53.5	48.3	45.3	43.1	43.1	42.4	43.1
22.5°	49.0	43.8	40.1	38.6	37.9	37.2	37.9
25°	44.6	39.4	35.7	33.4	32.7	32.7	31.9
27.5°	40.9	35.7	31.2	29.0	28.2	28.2	27.5
30°	37.2	31.2	26.7	24.5	23.8	23.8	23.8
32.5°	33.4	26.7	23.0	20.8	20.1	20.1	20.1
35°	29.7	23.0	19.3	17.1	16.3	16.3	16.3
37.5°	25.3	19.3	14.9	13.4	12.6	11.9	11.9
40°	21.5	14.9	11.1	9.7	8.2	8.2	8.2
42.5°	17.8	11.9	8.2	5.9	5.2	4.5	5.2
45°	14.9	8.9	5.2	3.0	2.2	2.2	2.2
47.5°	11.9	5.9	2.2	0.7	0.7	0.7	0.7
50°	8.9	3.7	0.7	0.0	0.0	0.7	0.7
52.5°	6.7	2.2	0.0	0.0	0.0	0.0	0.0
55°	3.7	0.7	0.0	0.0	0.0	0.0	0.0
57.5°	2.2	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)