

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: P181409

Luminaire Tested: **ICS-E04-LED-E1-T3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181409
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-E04-LED-E1-T3-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5869.4 lumens
Efficiency: N/A
Efficacy: 60.4 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

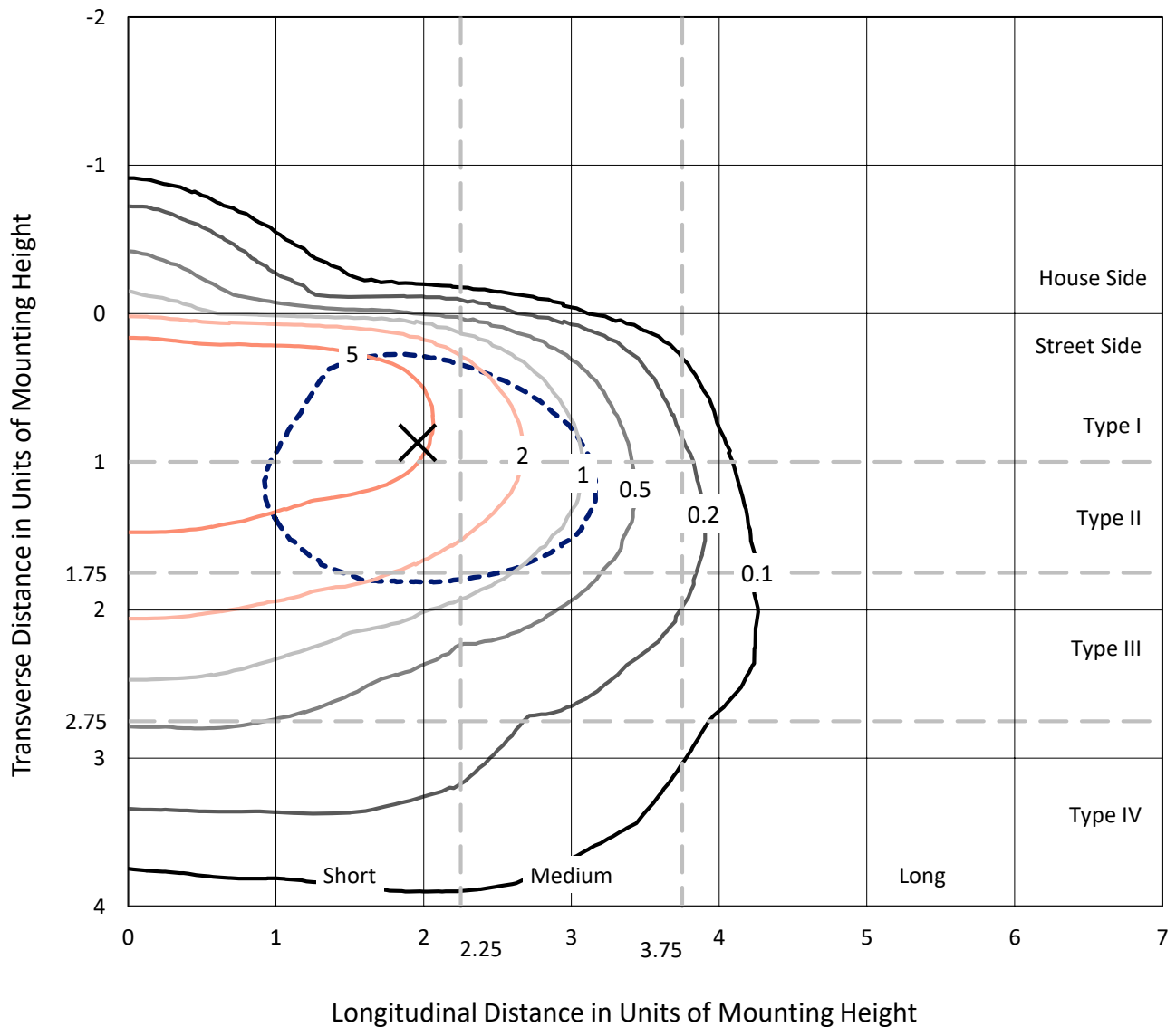
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

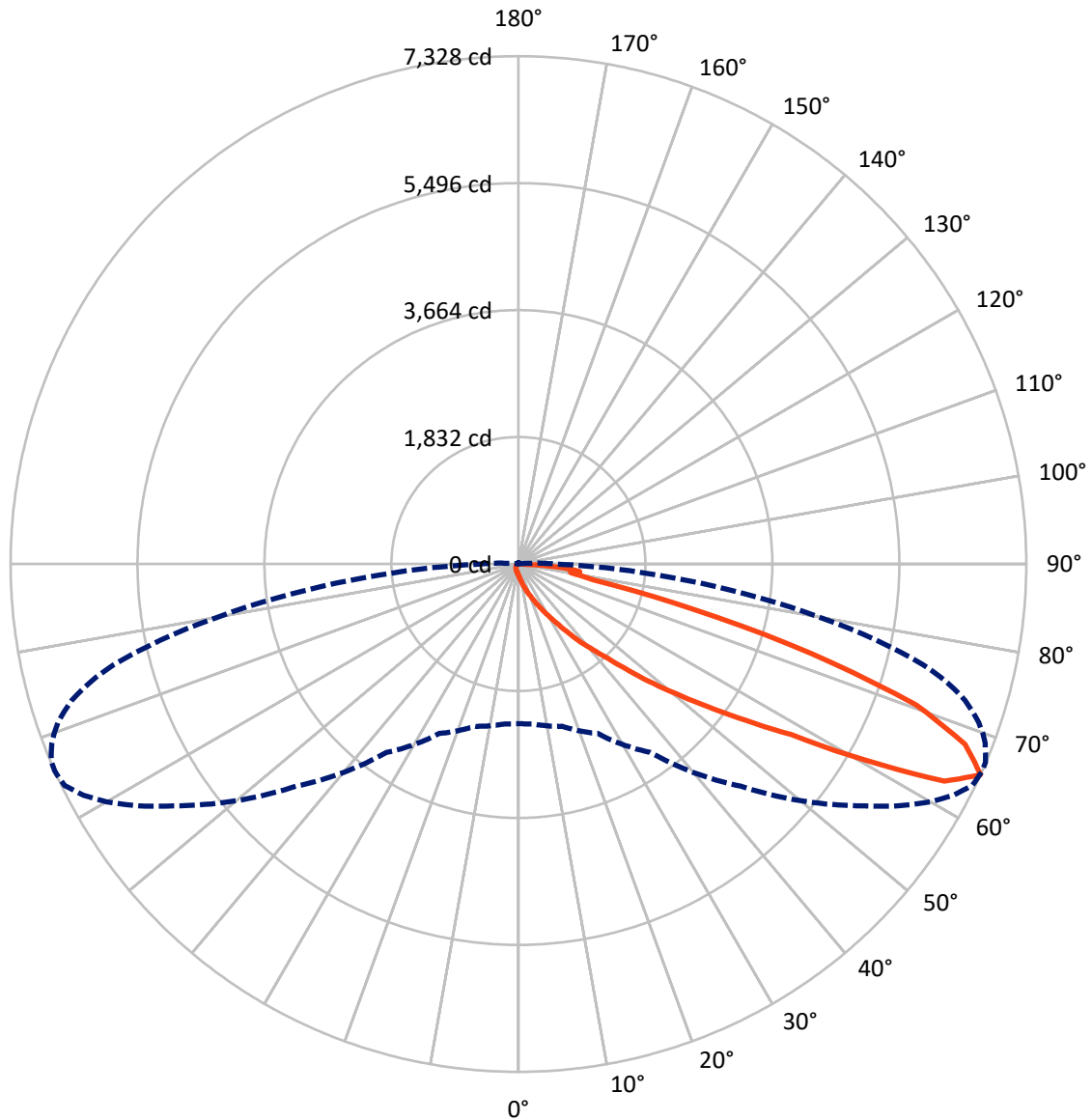
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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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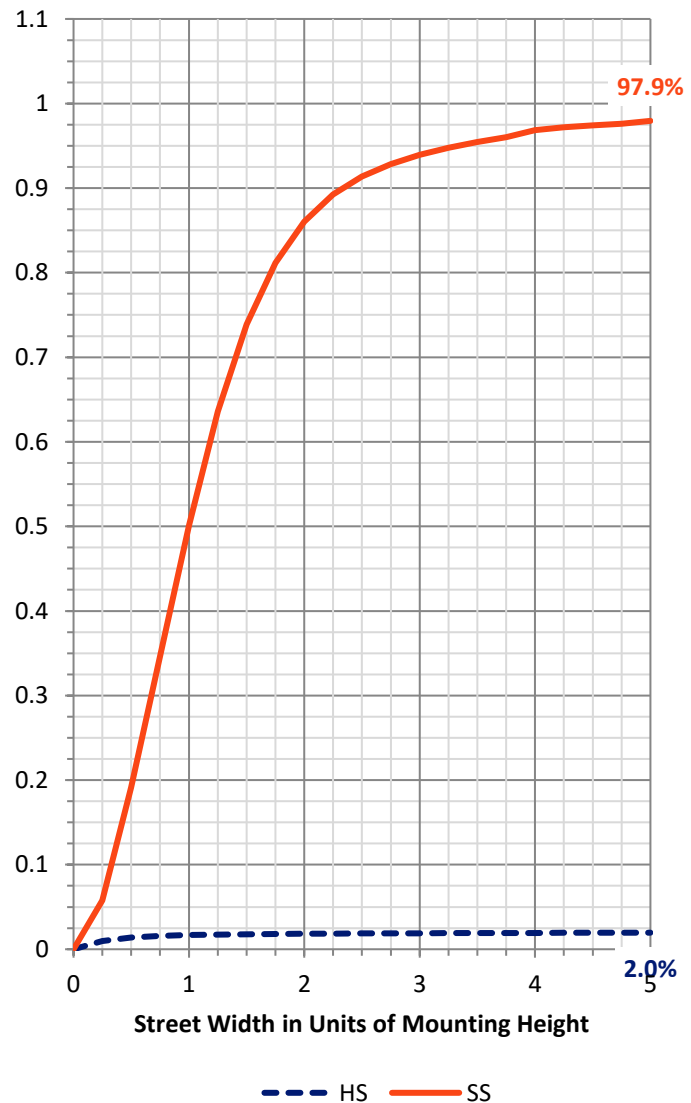
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	117.8	0.0	117.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	5751.6	0.0	5751.6
	% Fixture	98.0	0.0	98.0
Total	Lumens	5869.4	0.0	5869.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.3
10°-20°	95.4	1.6
20°-30°	218.0	3.7
30°-40°	414.8	7.1
40°-50°	832.5	14.2
50°-60°	1473.1	25.1
60°-70°	1924.6	32.8
70°-80°	791.3	13.5
80°-90°	99.7	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°	5869.4	100.0
0°-180°	5869.4	100.0



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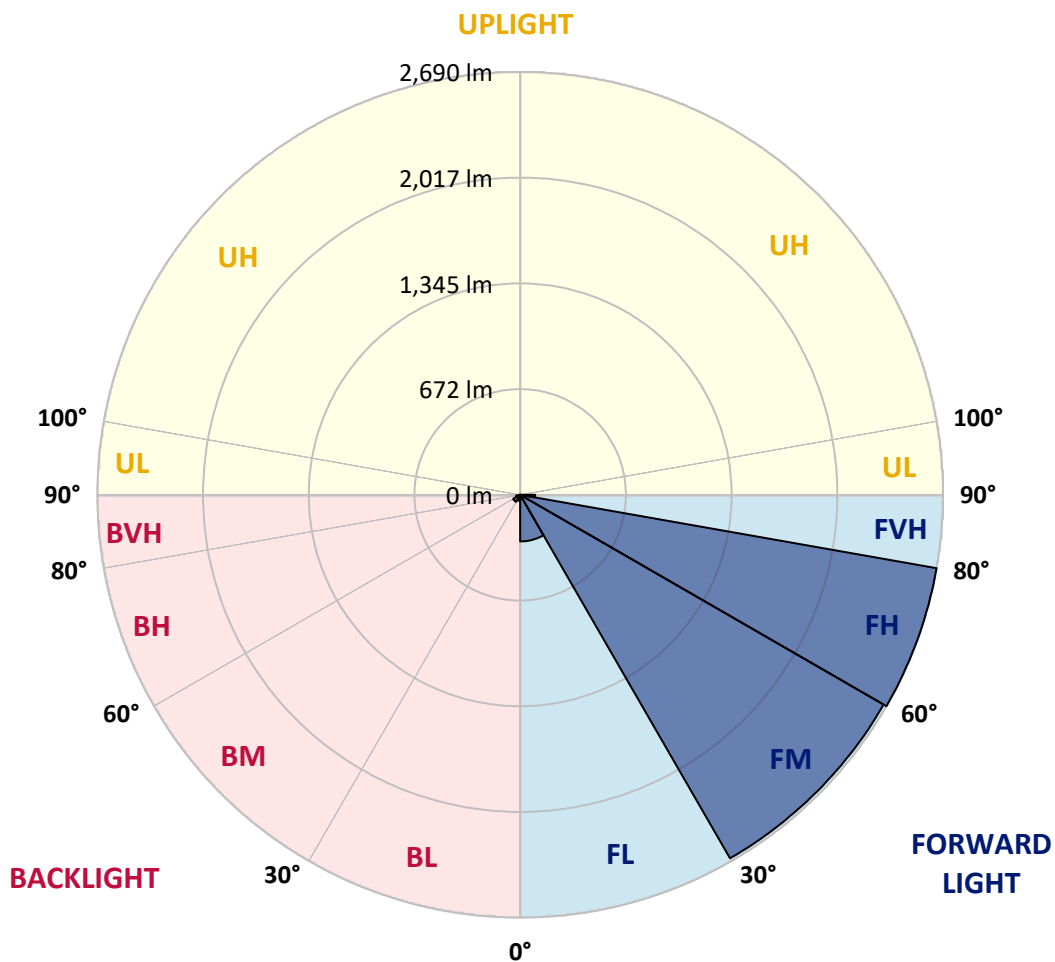
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.6	5.1			
FM	(30°-60°)	2669.9	45.5			
FH	(60°-80°)	2689.9	45.8			G2/5000
FVH	(80°-90°)	95.2	1.6			G1/100
BL	(0°-30°)	36.9	0.6	B0/110		
BM	(30°-60°)	50.5	0.9	B0/220		
BH	(60°-80°)	26.1	0.4	B0/110		G0/110
BVH	(80°-90°)	4.5	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°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	216.0	212.4	213.6	206.4	201.6	195.6	190.8	189.6	188.4	186.0	187.2
5°	310.8	307.2	298.8	284.4	271.2	250.8	230.4	229.2	225.6	222.0	219.6
7.5°	432.0	426.0	416.4	392.4	360.0	324.0	283.2	279.6	274.8	270.0	265.2
10°	572.4	568.8	550.8	523.2	474.0	415.2	346.8	343.2	332.4	326.4	321.6
12.5°	720.0	704.4	697.2	649.2	592.8	512.4	424.8	411.6	403.2	394.8	382.8
15°	831.6	834.0	817.2	778.8	712.8	619.2	510.0	495.6	483.6	468.0	453.6
17.5°	932.5	927.7	909.6	885.6	823.2	728.4	601.2	582.0	562.8	554.4	534.0
20°	1014.1	1011.7	997.3	974.5	926.5	835.2	697.2	681.6	660.0	645.6	622.8
22.5°	1078.9	1078.9	1070.5	1057.3	1010.5	937.3	799.2	782.4	760.8	742.8	717.6
25°	1130.5	1129.3	1130.5	1124.5	1093.3	1026.1	903.6	884.4	866.4	844.8	820.8
27.5°	1189.3	1191.7	1189.3	1185.7	1172.5	1118.5	1009.3	996.1	975.7	952.9	928.9
30°	1280.5	1273.3	1272.1	1269.7	1254.1	1220.5	1118.5	1102.9	1087.3	1071.7	1054.9
32.5°	1376.5	1364.5	1360.9	1360.9	1350.1	1320.1	1244.5	1236.1	1213.3	1201.3	1186.9
35°	1485.7	1480.9	1476.1	1477.3	1472.5	1441.3	1378.9	1381.3	1374.1	1350.1	1335.7
37.5°	1645.3	1646.5	1638.1	1622.5	1622.5	1594.9	1558.9	1554.1	1536.1	1530.1	1521.7
40°	1873.3	1867.3	1860.1	1837.3	1828.9	1782.1	1748.5	1736.5	1722.1	1720.9	1711.3
42.5°	2137.3	2130.1	2130.1	2113.3	2096.5	2040.1	1976.5	1968.1	1952.5	1957.3	1953.7
45°	2382.1	2388.1	2396.5	2408.5	2410.9	2386.9	2294.5	2283.7	2275.3	2270.5	2266.9
47.5°	2593.3	2604.1	2631.7	2683.3	2749.3	2757.8	2684.5	2655.7	2649.7	2641.3	2634.1
50°	2744.5	2760.2	2822.6	2923.4	3051.8	3131.0	3091.4	3067.4	3066.2	3043.4	3041.0
52.5°	2831.0	2847.8	2949.8	3102.2	3301.4	3456.2	3505.4	3504.2	3501.8	3481.4	3473.0
55°	2850.2	2868.2	2990.6	3198.2	3482.6	3750.2	3938.6	3943.4	3954.2	3948.2	3948.2
57.5°	2797.4	2820.2	2953.4	3210.2	3577.4	3983.0	4394.6	4422.2	4435.4	4482.2	4536.2
60°	2700.1	2716.9	2850.2	3137.0	3594.2	4195.4	4987.5	5075.1	5143.5	5235.9	5323.5
62.5°	2520.1	2553.7	2680.9	2993.0	3543.8	4440.2	5695.5	5857.5	5990.7	6131.1	6300.3
65°	2301.7	2316.1	2424.1	2696.5	3318.2	4533.8	6086.7	6245.1	6415.5	6565.6	6716.8
67.5°	2028.1	2040.1	2133.7	2250.1	2738.5	4095.8	5701.5	5876.7	6030.3	6153.9	6351.9
70°	1328.5	1354.9	1584.1	1699.3	1914.1	3027.8	4662.3	4831.5	4949.1	5033.1	5262.3
72.5°	973.3	990.1	1082.5	1320.1	1372.9	1789.3	3281.0	3464.6	3507.8	3666.2	3773.0
75°	594.0	636.0	844.8	1130.5	1338.1	1225.3	1965.7	2054.5	2154.1	2269.3	2371.3
77.5°	120.0	136.8	276.0	778.8	1177.3	1309.3	1173.7	1190.5	1239.7	1250.5	1288.9
80°	19.2	20.4	36.0	336.0	681.6	1058.5	1173.7	1158.1	1130.5	1111.3	1092.1
82.5°	8.4	9.6	15.6	85.2	145.2	352.8	1015.3	1094.5	1185.7	1236.1	1249.3
85°	3.6	3.6	6.0	16.8	21.6	24.0	171.6	226.8	404.4	537.6	619.2
87.5°	2.4	2.4	3.6	3.6	4.8	6.0	8.4	8.4	9.6	10.8	15.6
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	187.2	186.0	186.0	182.4	182.4	181.2	181.2	180.0	180.0	177.6	178.8
5°	218.4	216.0	213.6	210.0	208.8	206.4	204.0	200.4	199.2	196.8	195.6
7.5°	260.4	258.0	253.2	246.0	241.2	236.4	231.6	226.8	223.2	219.6	217.2
10°	312.0	304.8	302.4	288.0	282.0	272.4	266.4	261.6	254.4	248.4	244.8
12.5°	374.4	368.4	356.4	337.2	327.6	319.2	308.4	298.8	291.6	280.8	273.6
15°	439.2	434.4	417.6	396.0	384.0	368.4	357.6	348.0	332.4	325.2	312.0
17.5°	520.8	506.4	489.6	458.4	442.8	429.6	410.4	396.0	386.4	364.8	352.8
20°	604.8	589.2	567.6	532.8	511.2	490.8	475.2	456.0	435.6	421.2	400.8
22.5°	700.8	675.6	658.8	615.6	590.4	568.8	542.4	522.0	501.6	478.8	456.0
25°	802.8	777.6	757.2	708.0	681.6	660.0	628.8	600.0	574.8	549.6	523.2
27.5°	909.6	886.8	864.0	813.6	790.8	760.8	732.0	698.4	666.0	643.2	607.2
30°	1033.3	1014.1	988.9	934.9	909.6	878.4	848.4	808.8	777.6	746.4	711.6
32.5°	1166.5	1150.9	1124.5	1076.5	1046.5	1020.1	987.7	949.3	904.8	872.4	831.6
35°	1328.5	1302.1	1286.5	1240.9	1218.1	1189.3	1155.7	1122.1	1075.3	1029.7	994.9
37.5°	1513.3	1501.3	1480.9	1437.7	1420.9	1390.9	1369.3	1335.7	1299.7	1242.1	1204.9
40°	1702.9	1694.5	1676.5	1633.3	1616.5	1596.1	1570.9	1538.5	1495.3	1465.3	1410.1
42.5°	1944.1	1930.9	1916.5	1875.7	1843.3	1818.1	1807.3	1779.7	1734.1	1695.7	1652.5
45°	2250.1	2244.1	2224.9	2184.1	2151.7	2134.9	2118.1	2071.3	2041.3	2002.9	1972.9
47.5°	2619.7	2600.5	2590.9	2545.3	2534.5	2521.3	2478.1	2451.7	2408.5	2378.5	2341.3
50°	3019.4	2999.0	3000.2	2945.0	2947.4	2937.8	2905.4	2874.2	2837.0	2810.6	2787.8
52.5°	3449.0	3458.6	3434.6	3451.4	3432.2	3410.6	3404.6	3366.2	3333.8	3332.6	3301.4
55°	3977.0	3961.4	3967.4	3984.2	3957.8	3981.8	3969.8	3920.6	3921.8	3931.4	3895.4
57.5°	4544.6	4567.4	4616.7	4627.5	4673.1	4641.9	4723.5	4664.7	4700.7	4700.7	4676.7
60°	5377.5	5468.7	5587.5	5679.9	5765.1	5737.5	5844.3	5777.1	5825.1	5784.3	5763.9
62.5°	6380.7	6502.0	6642.4	6792.4	6878.8	6900.4	6884.8	6914.8	6868.0	6838.0	6760.0
65°	6863.2	6983.2	7105.6	7285.6	7309.6	7327.6	7320.4	7270.0	7212.4	7127.2	7025.2
67.5°	6462.4	6630.4	6698.8	6906.4	6976.0	6950.8	6959.2	6894.4	6804.4	6720.4	6570.4
70°	5358.3	5550.3	5586.3	5883.9	5966.7	6086.7	6043.5	6024.3	5925.9	5855.1	5689.5
72.5°	3901.4	4051.4	4039.4	4374.2	4359.8	4409.0	4525.4	4520.6	4417.4	4394.6	4255.4
75°	2401.3	2491.3	2486.5	2724.1	2624.5	2610.1	2642.5	2628.1	2530.9	2430.1	2343.7
77.5°	1272.1	1312.9	1269.7	1198.9	1191.7	1111.3	1088.5	1087.3	1012.9	921.7	854.4
80°	1071.7	1029.7	979.3	876.0	816.0	762.0	711.6	664.8	614.4	547.2	465.6
82.5°	1251.7	1231.3	1195.3	1065.7	1003.3	895.2	814.8	739.2	646.8	577.2	472.8
85°	609.6	608.4	637.2	624.0	601.2	596.4	517.2	500.4	463.2	424.8	355.2
87.5°	16.8	12.0	14.4	12.0	14.4	15.6	10.8	25.2	15.6	14.4	16.8
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	177.6	176.4	175.2	175.2	174.0	174.0	172.8	171.6	171.6	170.4	170.4
5°	193.2	190.8	189.6	188.4	186.0	184.8	182.4	181.2	178.8	177.6	175.2
7.5°	212.4	210.0	205.2	202.8	199.2	198.0	192.0	189.6	187.2	184.8	181.2
10°	236.4	230.4	225.6	220.8	214.8	210.0	205.2	201.6	196.8	190.8	188.4
12.5°	266.4	258.0	250.8	242.4	235.2	228.0	219.6	213.6	206.4	200.4	194.4
15°	300.0	288.0	278.4	266.4	254.4	246.0	237.6	229.2	219.6	211.2	204.0
17.5°	338.4	322.8	309.6	295.2	282.0	270.0	255.6	244.8	234.0	222.0	212.4
20°	379.2	363.6	345.6	330.0	310.8	297.6	279.6	265.2	249.6	237.6	224.4
22.5°	433.2	412.8	390.0	368.4	348.0	327.6	308.4	290.4	271.2	253.2	240.0
25°	496.8	471.6	442.8	421.2	392.4	369.6	345.6	322.8	302.4	279.6	258.0
27.5°	576.0	542.4	511.2	481.2	450.0	421.2	390.0	363.6	336.0	309.6	285.6
30°	668.4	636.0	589.2	555.6	524.4	484.8	453.6	418.8	387.6	349.2	322.8
32.5°	790.8	748.8	699.6	655.2	614.4	570.0	526.8	482.4	441.6	406.8	367.2
35°	950.5	901.2	842.4	786.0	740.4	686.4	631.2	580.8	534.0	483.6	434.4
37.5°	1152.1	1106.5	1042.9	974.5	913.2	848.4	790.8	720.0	657.6	596.4	534.0
40°	1352.5	1310.5	1244.5	1171.3	1092.1	1017.7	944.5	864.0	784.8	708.0	643.2
42.5°	1599.7	1537.3	1466.5	1383.7	1306.9	1218.1	1126.9	1034.5	939.7	847.2	754.8
45°	1910.5	1862.5	1762.9	1674.1	1582.9	1478.5	1365.7	1260.1	1138.9	1029.7	907.2
47.5°	2288.5	2202.1	2128.9	2047.3	1933.3	1832.5	1688.5	1563.7	1412.5	1267.3	1120.9
50°	2734.9	2686.9	2589.7	2487.7	2364.1	2244.1	2103.7	1923.7	1742.5	1587.7	1387.3
52.5°	3257.0	3188.6	3127.4	3021.8	2895.8	2742.1	2582.5	2386.9	2164.9	1946.5	1732.9
55°	3876.2	3828.2	3769.4	3685.4	3524.6	3350.6	3158.6	2924.6	2661.7	2367.7	2119.3
57.5°	4675.5	4625.1	4568.6	4395.8	4286.6	4073.0	3794.6	3552.2	3269.0	2892.2	2583.7
60°	5766.3	5697.9	5618.7	5478.3	5250.3	4973.1	4674.3	4315.4	3968.6	3557.0	3152.6
62.5°	6698.8	6589.6	6420.3	6239.1	5965.5	5647.5	5271.9	4849.5	4454.6	3991.4	3541.4
65°	6890.8	6740.8	6541.6	6305.1	6023.1	5664.3	5271.9	4867.5	4403.0	3967.4	3515.0
67.5°	6391.5	6217.5	6013.5	5749.5	5480.7	5111.1	4772.7	4361.0	3924.2	3547.4	3143.0
70°	5570.7	5312.7	5103.9	4823.1	4550.6	4260.2	3903.8	3595.4	3240.2	2893.4	2583.7
72.5°	4183.4	3929.0	3739.4	3515.0	3353.0	3045.8	2784.2	2553.7	2343.7	2084.5	1855.3
75°	2254.9	2064.1	1936.9	1834.9	1689.7	1486.9	1362.1	1203.7	1114.9	1006.9	902.4
77.5°	735.6	648.0	553.2	460.8	396.0	297.6	288.0	229.2	216.0	210.0	162.0
80°	376.8	290.4	210.0	151.2	115.2	102.0	97.2	92.4	87.6	84.0	78.0
82.5°	378.0	273.6	188.4	130.8	94.8	79.2	74.4	72.0	68.4	64.8	60.0
85°	276.0	204.0	140.4	96.0	66.0	52.8	50.4	46.8	44.4	43.2	38.4
87.5°	18.0	13.2	12.0	10.8	10.8	10.8	12.0	10.8	12.0	12.0	10.8
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°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	169.2	168.0	168.0	166.8	165.6	165.6	164.4	164.4	160.8	154.8	150.0
5°	174.0	171.6	170.4	169.2	168.0	165.6	164.4	163.2	157.2	145.2	135.6
7.5°	177.6	175.2	174.0	171.6	168.0	166.8	164.4	162.0	152.4	135.6	124.8
10°	183.6	180.0	176.4	172.8	169.2	166.8	163.2	160.8	146.4	127.2	116.4
12.5°	189.6	184.8	180.0	174.0	170.4	166.8	163.2	158.4	141.6	120.0	108.0
15°	196.8	189.6	183.6	177.6	171.6	166.8	160.8	157.2	136.8	114.0	103.2
17.5°	204.0	195.6	187.2	178.8	172.8	165.6	160.8	154.8	132.0	109.2	97.2
20°	212.4	200.4	192.0	182.4	174.0	165.6	158.4	152.4	127.2	103.2	91.2
22.5°	224.4	210.0	196.8	186.0	175.2	166.8	158.4	150.0	122.4	98.4	86.4
25°	240.0	222.0	206.4	193.2	180.0	169.2	159.6	151.2	118.8	94.8	80.4
27.5°	262.8	240.0	223.2	205.2	188.4	175.2	163.2	153.6	116.4	91.2	76.8
30°	290.4	267.6	241.2	219.6	201.6	183.6	170.4	156.0	114.0	87.6	72.0
32.5°	331.2	298.8	267.6	241.2	216.0	195.6	176.4	162.0	112.8	81.6	67.2
35°	390.0	345.6	308.4	273.6	238.8	213.6	190.8	171.6	111.6	76.8	62.4
37.5°	474.0	421.2	373.2	324.0	280.8	244.8	213.6	188.4	111.6	73.2	57.6
40°	564.0	495.6	434.4	373.2	318.0	272.4	230.4	199.2	109.2	68.4	52.8
42.5°	666.0	582.0	498.0	422.4	354.0	295.2	246.0	207.6	103.2	63.6	48.0
45°	802.8	692.4	591.6	494.4	405.6	328.8	266.4	217.2	97.2	60.0	43.2
47.5°	974.5	846.0	715.2	592.8	476.4	379.2	296.4	232.8	93.6	55.2	39.6
50°	1230.1	1047.7	874.8	718.8	571.2	444.0	340.8	255.6	90.0	51.6	36.0
52.5°	1510.9	1286.5	1083.7	883.2	699.6	531.6	392.4	285.6	86.4	48.0	32.4
55°	1852.9	1576.9	1329.7	1069.3	834.0	633.6	456.0	319.2	81.6	44.4	30.0
57.5°	2275.3	1926.1	1633.3	1315.3	1020.1	765.6	541.2	375.6	76.8	39.6	26.4
60°	2746.9	2352.1	1983.7	1610.5	1252.9	940.9	667.2	456.0	72.0	34.8	22.8
62.5°	3086.6	2653.3	2232.1	1813.3	1420.9	1071.7	769.2	518.4	64.8	30.0	20.4
65°	3083.0	2643.7	2220.1	1807.3	1425.7	1076.5	772.8	530.4	57.6	26.4	18.0
67.5°	2746.9	2377.3	1999.3	1628.5	1294.9	979.3	715.2	492.0	49.2	24.0	15.6
70°	2259.7	1965.7	1666.9	1372.9	1105.3	838.8	618.0	428.4	42.0	21.6	13.2
72.5°	1650.1	1435.3	1252.9	1045.3	862.8	662.4	493.2	336.0	33.6	18.0	12.0
75°	819.6	733.2	628.8	564.0	481.2	393.6	306.0	195.6	27.6	14.4	10.8
77.5°	156.0	139.2	133.2	115.2	105.6	93.6	82.8	58.8	21.6	10.8	9.6
80°	72.0	66.0	60.0	54.0	48.0	40.8	36.0	31.2	16.8	8.4	10.8
82.5°	56.4	51.6	45.6	40.8	36.0	31.2	26.4	22.8	10.8	7.2	10.8
85°	37.2	32.4	28.8	25.2	21.6	19.2	16.8	14.4	7.2	7.2	7.2
87.5°	10.8	10.8	9.6	9.6	8.4	8.4	7.2	7.2	6.0	6.0	6.0
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°	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	145.2	139.2	136.8	135.6	135.6	136.8	135.6
5°	128.4	122.4	120.0	117.6	117.6	117.6	118.8
7.5°	117.6	111.6	108.0	106.8	105.6	106.8	106.8
10°	108.0	103.2	98.4	96.0	96.0	96.0	96.0
12.5°	100.8	94.8	90.0	88.8	87.6	87.6	87.6
15°	94.8	87.6	84.0	81.6	80.4	80.4	81.6
17.5°	87.6	81.6	76.8	75.6	75.6	75.6	75.6
20°	82.8	75.6	72.0	69.6	69.6	69.6	69.6
22.5°	76.8	70.8	66.0	63.6	63.6	63.6	63.6
25°	72.0	66.0	61.2	58.8	58.8	58.8	58.8
27.5°	67.2	61.2	56.4	54.0	54.0	54.0	54.0
30°	62.4	56.4	51.6	49.2	49.2	49.2	49.2
32.5°	58.8	51.6	46.8	44.4	44.4	45.6	44.4
35°	52.8	46.8	42.0	39.6	39.6	39.6	39.6
37.5°	48.0	42.0	37.2	34.8	34.8	34.8	33.6
40°	44.4	37.2	32.4	30.0	28.8	28.8	28.8
42.5°	38.4	31.2	27.6	25.2	24.0	24.0	24.0
45°	34.8	27.6	22.8	20.4	20.4	20.4	20.4
47.5°	31.2	24.0	19.2	16.8	16.8	18.0	18.0
50°	27.6	20.4	15.6	15.6	15.6	16.8	16.8
52.5°	24.0	18.0	14.4	14.4	15.6	16.8	16.8
55°	21.6	15.6	13.2	14.4	15.6	16.8	16.8
57.5°	19.2	13.2	13.2	14.4	15.6	16.8	16.8
60°	16.8	12.0	12.0	13.2	15.6	16.8	16.8
62.5°	14.4	12.0	12.0	13.2	15.6	16.8	16.8
65°	13.2	12.0	12.0	13.2	15.6	16.8	16.8
67.5°	12.0	10.8	12.0	13.2	14.4	15.6	15.6
70°	10.8	10.8	12.0	13.2	14.4	15.6	15.6
72.5°	10.8	10.8	10.8	12.0	13.2	14.4	14.4
75°	10.8	10.8	10.8	12.0	13.2	14.4	14.4
77.5°	10.8	9.6	9.6	10.8	13.2	14.4	14.4
80°	10.8	9.6	9.6	10.8	12.0	14.4	14.4
82.5°	8.4	8.4	9.6	10.8	12.0	13.2	13.2
85°	7.2	8.4	8.4	9.6	10.8	13.2	13.2
87.5°	6.0	6.0	7.2	8.4	9.6	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)