

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: P181167

Luminaire Tested: **ICM-F02-LED-E1-T2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181167
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F02-LED-E1-T2-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2246.3 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

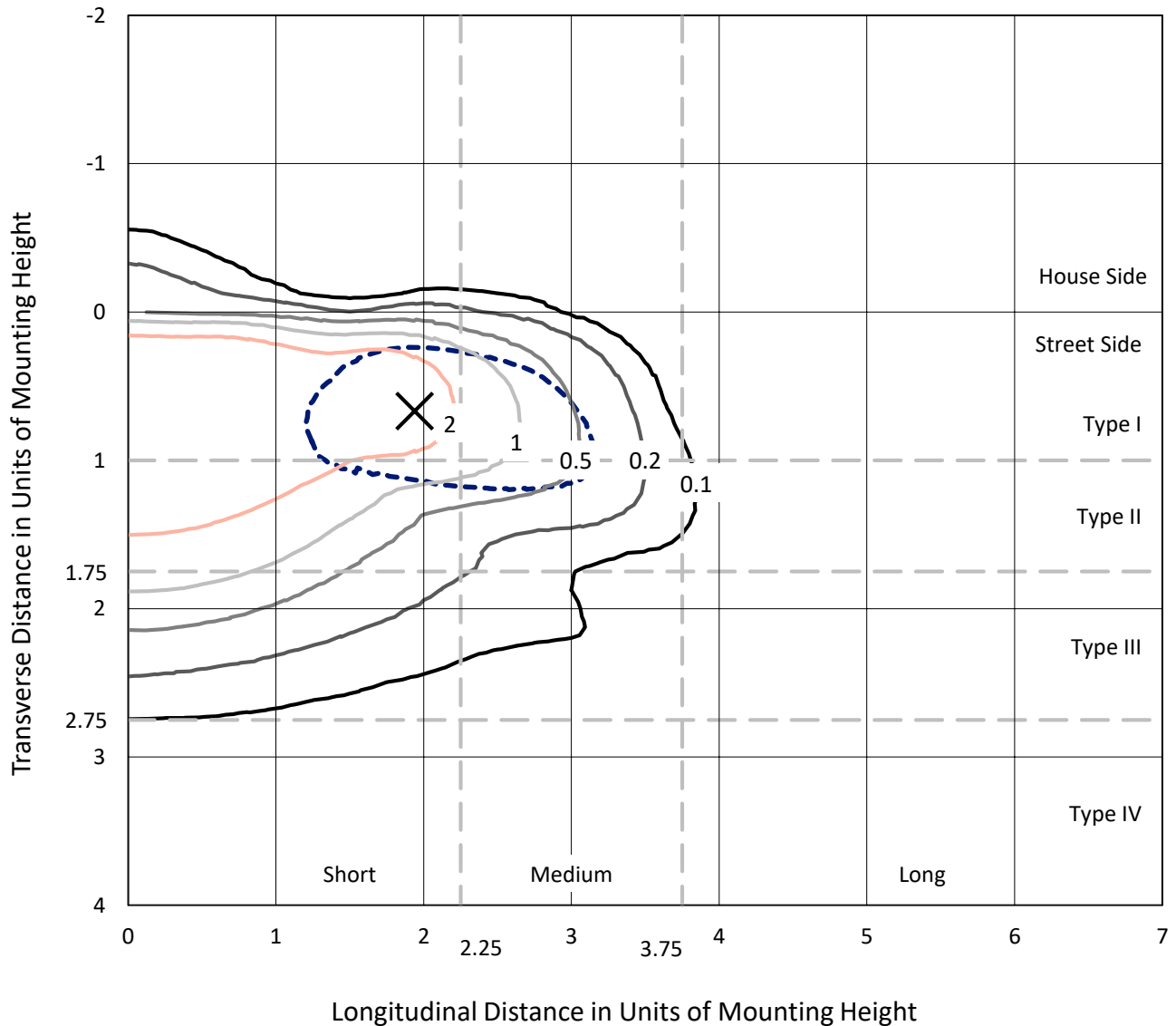
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

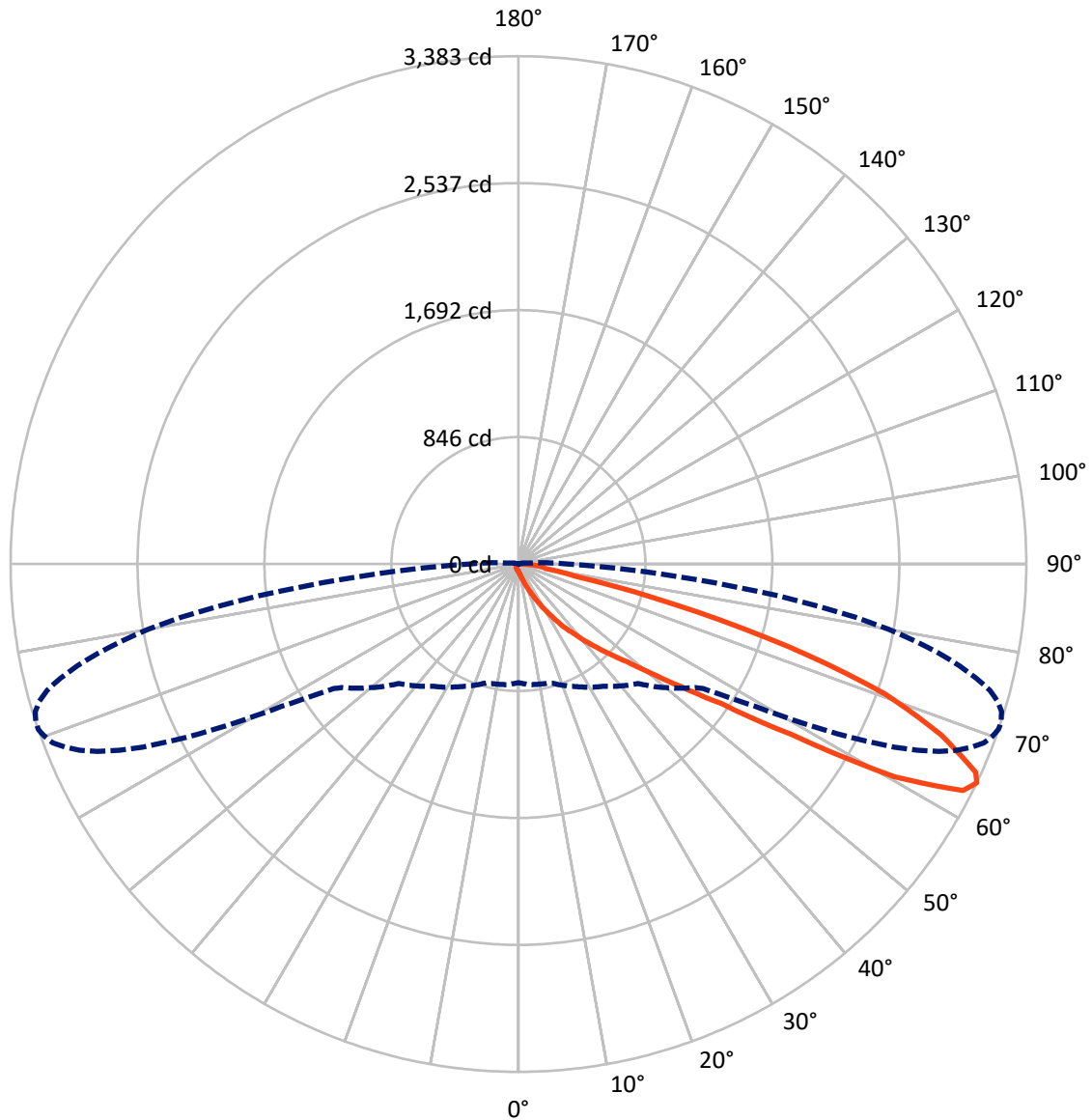
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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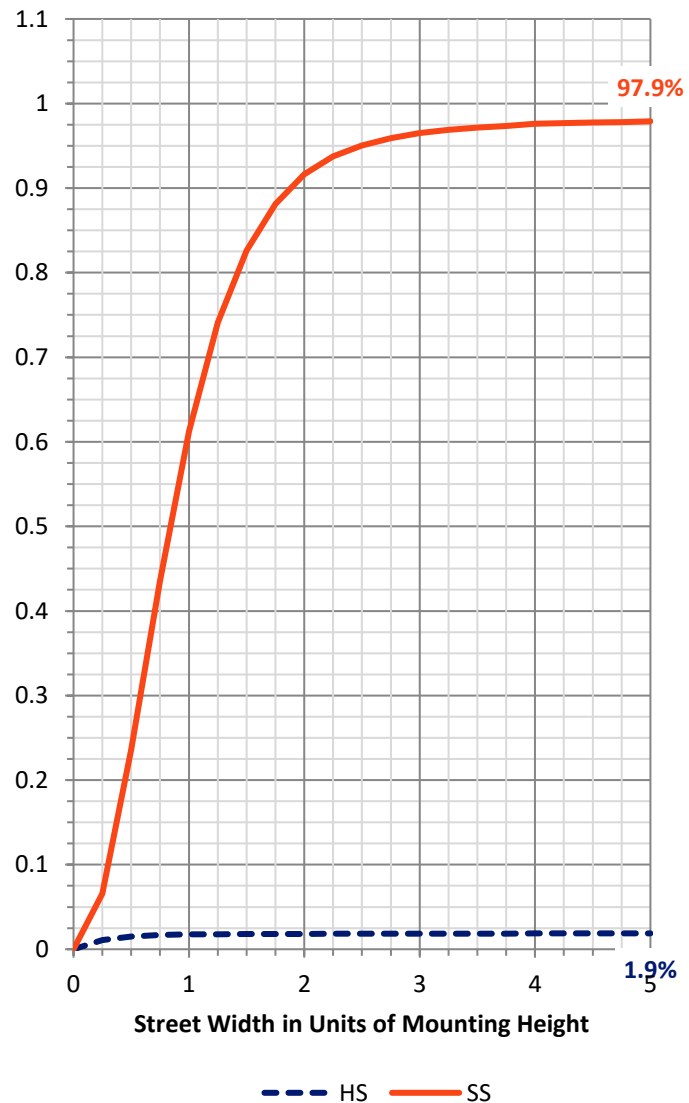
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	43.0	0.0	43.0
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2203.3	0.0	2203.3
	% Fixture	98.1	0.0	98.1
Total	Lumens	2246.3	0.0	2246.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.3
10°-20°	40.6	1.8
20°-30°	103.7	4.6
30°-40°	209.8	9.3
40°-50°	383.5	17.1
50°-60°	597.6	26.6
60°-70°	664.2	29.6
70°-80°	216.6	9.6
80°-90°	23.3	1.0
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°	2246.3	100.0
0°-180°	2246.3	100.0



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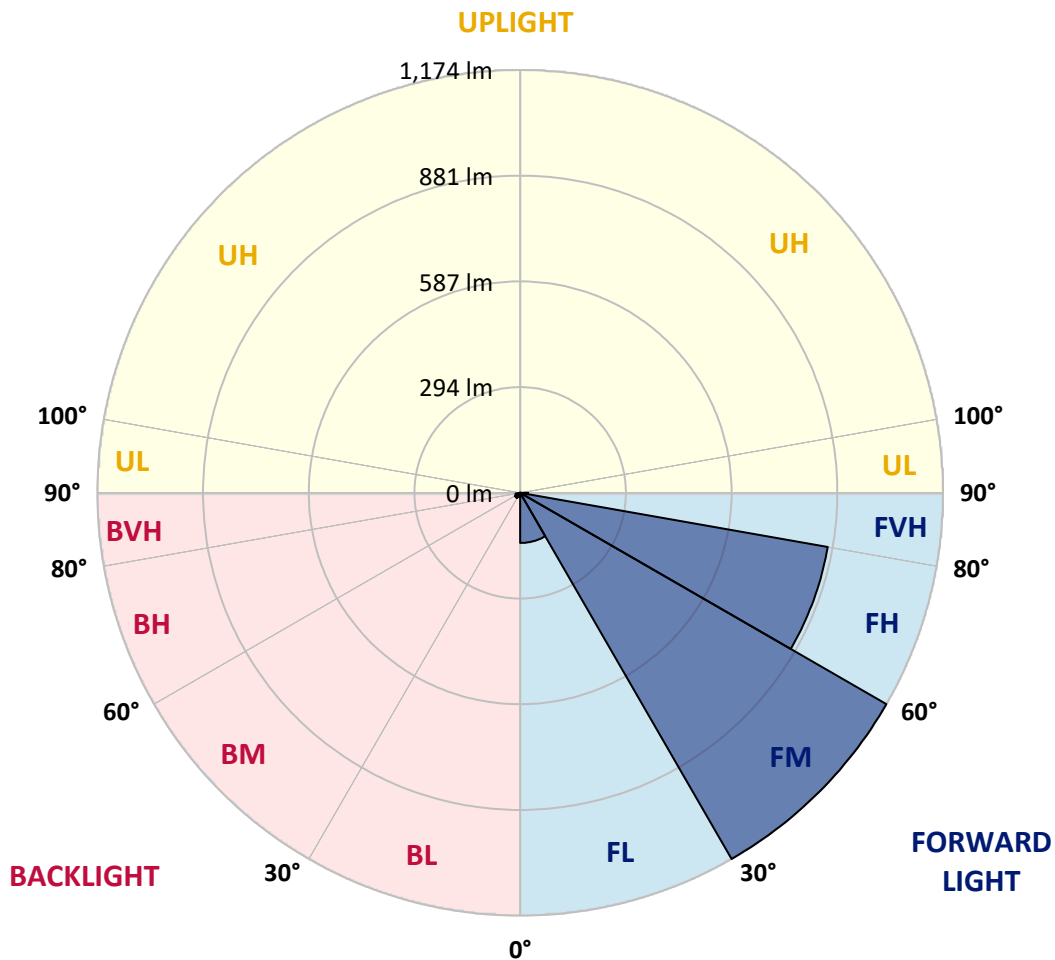
CATALOG NUMBER: ICM-F02-LED-E1-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.3	6.2			
FM (30°-60°)	1174.3	52.3			
FH (60°-80°)	867.5	38.6			G1/1800
FVH (80°-90°)	22.2	1.0			G1/100
BL (0°-30°)	12.0	0.5	B0/110		
BM (30°-60°)	16.6	0.7	B0/220		
BH (60°-80°)	13.3	0.6	B0/110		G0/110
BVH (80°-90°)	1.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2.5°	67.3	66.4	66.4	65.0	63.2	61.2	59.3	58.9	58.4	58.0	58.0
5°	105.7	102.0	100.6	95.3	88.8	80.9	73.9	72.0	72.0	70.6	69.7
7.5°	166.0	164.1	154.3	149.1	133.8	114.6	94.4	92.6	92.1	90.2	87.4
10°	243.2	239.4	232.4	217.4	189.4	156.2	127.6	123.0	119.7	116.0	112.2
12.5°	320.3	315.6	305.3	281.0	252.9	210.4	164.6	160.4	155.3	150.1	144.0
15°	397.5	394.1	378.3	354.0	317.5	266.5	208.6	201.0	196.8	186.6	181.9
17.5°	464.3	460.1	447.4	419.9	382.0	326.0	257.2	247.8	240.8	234.7	223.5
20°	522.3	518.0	506.0	483.1	440.5	385.3	309.6	304.8	292.3	282.9	276.4
22.5°	557.9	556.5	548.5	526.5	488.7	439.5	369.4	362.0	353.5	340.8	333.4
25°	579.8	578.4	573.8	558.3	532.6	496.6	435.4	426.0	418.5	407.3	398.0
27.5°	602.7	601.8	598.1	584.5	571.0	548.5	502.2	497.0	480.7	474.1	465.2
30°	640.6	636.4	639.6	633.1	615.8	601.8	569.5	562.0	555.1	543.8	535.9
32.5°	700.9	694.0	700.9	694.0	686.4	669.6	638.7	636.4	629.4	622.3	611.2
35°	774.8	772.0	777.6	783.7	777.6	755.2	717.8	710.7	707.9	696.7	692.5
37.5°	849.1	854.3	864.6	878.1	874.4	858.1	805.2	798.6	793.5	783.7	776.2
40°	929.1	929.6	951.5	971.2	981.0	971.2	901.5	896.4	889.4	875.4	873.5
42.5°	1016.1	1012.4	1028.8	1050.7	1070.8	1084.4	1028.8	1018.9	1009.0	993.2	982.4
45°	1093.2	1093.2	1106.3	1126.9	1157.8	1191.9	1162.9	1152.7	1143.3	1130.1	1118.1
47.5°	1150.2	1150.8	1158.7	1188.7	1236.8	1287.7	1288.7	1290.5	1283.5	1268.1	1268.6
50°	1190.5	1185.3	1196.1	1225.1	1280.8	1360.7	1418.2	1421.5	1427.1	1414.5	1418.2
52.5°	1219.9	1217.6	1224.7	1248.9	1304.6	1402.3	1524.4	1538.4	1546.8	1548.7	1564.1
55°	1204.6	1206.0	1222.8	1257.9	1317.7	1429.9	1614.6	1637.5	1657.1	1674.0	1693.1
57.5°	1153.6	1157.8	1187.3	1242.0	1320.5	1452.4	1710.4	1745.5	1782.4	1827.4	1865.2
60°	1072.2	1082.1	1121.8	1198.4	1293.4	1422.9	1739.0	1792.8	1849.3	1917.6	1993.9
62.5°	952.9	954.8	981.0	1055.4	1160.1	1266.2	1608.1	1676.8	1751.6	1850.2	1956.8
64°	789.8	806.6	818.8	900.6	994.1	1126.4	1435.1	1482.7	1587.0	1708.1	1842.3
65°	651.8	671.9	681.8	763.5	870.7	996.9	1284.5	1335.5	1445.3	1568.3	1735.7
67.5°	384.4	370.8	399.4	447.4	537.3	686.9	866.4	905.3	987.1	1133.5	1267.2
70°	247.8	247.8	274.0	323.1	406.3	520.9	595.3	578.9	596.2	652.7	747.3
72.5°	159.0	167.4	183.3	224.9	302.0	436.7	608.4	531.2	491.0	472.3	471.4
75°	72.5	77.1	94.4	119.3	161.3	284.7	613.5	579.8	542.9	507.4	479.7
77.5°	15.4	17.8	30.0	61.8	78.5	131.3	435.4	485.9	526.0	537.8	537.8
80°	7.9	8.4	12.7	29.0	33.7	44.5	167.9	220.7	272.1	339.9	411.0
82.5°	3.3	3.7	7.4	13.1	14.0	13.6	44.5	56.1	77.1	112.2	167.4
85°	0.9	0.9	3.3	5.1	7.4	6.0	9.9	11.3	14.5	21.0	40.2
87.5°	0.0	0.0	0.5	0.9	1.4	2.3	2.8	2.8	2.8	2.8	2.8
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2.5°	57.5	57.5	57.0	56.6	56.6	55.6	55.6	55.2	55.2	54.7	54.7
5°	69.2	68.3	67.3	66.0	65.5	64.6	63.6	62.7	61.8	61.2	60.3
7.5°	86.0	85.1	82.3	80.5	78.0	76.7	74.8	73.4	72.0	71.1	69.2
10°	108.5	105.2	103.8	97.3	95.8	92.6	89.8	87.9	84.2	81.9	79.5
12.5°	140.3	134.2	131.9	120.7	117.4	112.7	109.4	104.7	100.6	97.8	93.5
15°	176.3	171.6	162.7	151.5	145.4	140.3	132.4	128.6	123.0	116.9	110.8
17.5°	219.3	210.9	201.0	186.6	179.1	171.2	163.6	155.7	146.3	140.7	134.2
20°	269.3	260.5	248.3	230.0	221.2	213.2	200.1	194.5	183.3	172.1	163.6
22.5°	324.0	315.2	303.4	282.9	271.2	258.1	247.4	237.6	224.5	213.2	203.4
25°	385.8	375.4	366.6	342.8	328.3	314.7	303.0	285.7	274.5	261.4	247.8
27.5°	455.9	443.7	432.1	405.9	392.3	377.3	363.4	345.1	334.3	312.8	300.2
30°	527.9	512.9	500.8	474.1	462.0	446.5	427.4	411.0	392.7	378.3	357.7
32.5°	603.6	591.5	581.7	553.7	538.2	519.1	501.8	484.5	468.6	445.1	426.4
35°	684.6	673.8	663.1	638.7	625.2	610.7	591.1	570.0	548.0	523.7	506.9
37.5°	769.7	761.2	752.8	723.4	707.4	692.0	669.6	648.6	628.9	603.2	574.7
40°	859.0	851.0	837.5	813.1	796.3	782.3	761.7	742.1	715.4	686.9	661.7
42.5°	971.2	953.9	942.2	915.5	897.8	882.3	864.1	834.7	812.2	778.1	753.8
45°	1102.6	1086.2	1067.1	1039.9	1018.0	992.8	967.0	946.9	918.8	888.0	856.7
47.5°	1250.3	1237.2	1214.8	1188.2	1166.1	1140.9	1110.5	1084.8	1050.7	1014.7	972.1
50°	1413.0	1399.5	1384.6	1354.6	1332.7	1308.8	1284.9	1254.5	1223.7	1180.7	1136.8
52.5°	1564.1	1566.9	1558.1	1544.0	1533.2	1508.5	1486.5	1457.5	1430.3	1391.1	1356.9
55°	1713.3	1737.6	1746.9	1760.5	1765.2	1745.0	1744.6	1702.1	1685.7	1662.8	1643.2
57.5°	1910.2	1963.9	2006.4	2088.8	2123.4	2158.4	2164.9	2135.1	2165.9	2126.2	2139.7
60°	2077.5	2176.2	2281.9	2494.6	2601.2	2681.7	2746.2	2793.9	2824.8	2877.1	2879.9
62.5°	2092.5	2247.7	2408.6	2719.1	2864.9	2987.0	3103.5	3184.8	3249.3	3308.7	3323.2
64°	2020.9	2213.1	2408.6	2784.1	2933.2	3068.9	3175.0	3255.8	3321.8	3358.7	3383.1
65°	1891.0	2106.1	2331.0	2741.0	2894.9	3038.9	3140.4	3221.7	3283.9	3320.9	3346.2
67.5°	1400.9	1609.0	1834.8	2312.3	2554.4	2686.3	2816.3	2930.4	2980.5	3027.2	3036.1
70°	853.9	1004.8	1160.6	1603.4	1828.3	2065.4	2211.7	2378.6	2495.6	2567.6	2591.5
72.5°	515.3	567.6	660.7	898.7	1114.2	1280.8	1483.2	1642.7	1773.6	1846.1	1882.5
75°	458.7	452.2	464.3	563.4	640.1	740.2	813.6	913.7	994.6	1019.8	1067.1
77.5°	530.2	511.5	492.4	473.7	470.0	460.6	445.6	449.4	413.9	379.7	380.7
80°	472.3	517.1	543.8	524.2	479.7	434.9	379.7	311.0	243.2	201.0	183.3
82.5°	237.0	337.1	433.5	528.8	522.3	482.5	421.8	346.5	268.4	206.2	164.6
85°	72.9	129.5	182.3	253.4	294.1	288.5	253.4	246.4	175.8	137.0	105.7
87.5°	3.3	3.3	3.3	2.8	3.3	3.3	3.3	3.7	3.7	4.2	4.2
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°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2.5°	54.7	54.2	53.8	53.3	53.3	53.3	52.8	52.8	52.4	52.4	51.9
5°	60.3	59.3	58.9	58.0	58.0	57.0	56.6	56.1	55.2	54.7	54.2
7.5°	67.8	66.9	65.5	64.1	63.6	62.2	60.7	59.8	58.9	58.0	57.0
10°	77.6	75.7	72.9	71.1	69.7	67.8	66.0	64.6	62.7	60.7	59.8
12.5°	90.2	86.5	83.7	80.5	77.6	74.8	71.5	69.7	67.8	65.0	63.2
15°	104.7	101.0	97.8	92.1	87.4	83.7	80.9	76.7	73.4	69.7	66.9
17.5°	129.5	119.7	113.1	107.5	102.9	95.8	90.2	85.6	81.4	76.7	73.4
20°	153.9	145.4	136.6	130.0	119.7	113.6	106.1	99.6	92.1	86.5	80.9
22.5°	189.4	178.6	167.4	157.6	143.5	135.2	125.3	116.9	107.5	98.2	92.1
25°	234.2	218.3	203.4	189.4	176.3	163.6	151.1	137.5	127.6	116.5	106.1
27.5°	281.5	263.7	249.2	231.0	214.1	198.7	182.8	168.4	151.5	137.0	124.8
30°	340.8	316.6	299.7	277.8	260.9	239.4	219.8	200.6	180.0	163.2	145.9
32.5°	401.2	384.8	356.3	337.6	312.4	286.6	266.0	244.1	218.8	196.8	175.8
35°	480.7	452.7	428.7	402.6	375.0	348.4	321.7	290.4	264.7	237.6	211.8
37.5°	550.8	522.3	494.7	460.6	429.2	401.2	368.9	336.2	305.8	273.6	242.7
40°	632.2	596.7	563.9	532.1	493.3	460.1	426.4	385.8	350.7	315.2	278.7
42.5°	721.0	685.0	646.2	609.8	567.2	526.5	484.9	444.2	404.9	362.0	319.4
45°	818.3	780.4	736.9	695.4	649.0	604.1	554.6	507.8	461.5	413.4	364.3
47.5°	938.9	890.3	850.1	798.1	740.7	693.4	632.7	579.4	526.5	470.4	415.3
50°	1095.1	1039.9	982.0	924.5	860.8	801.0	733.7	670.5	599.9	537.3	474.1
52.5°	1302.2	1261.1	1193.8	1127.8	1050.2	974.0	881.4	799.6	708.8	628.9	551.7
55°	1596.4	1569.2	1510.8	1438.8	1371.0	1259.7	1153.1	1025.9	908.1	793.0	684.6
57.5°	2128.9	2099.5	2034.5	2017.2	1912.9	1831.1	1706.2	1541.7	1342.0	1166.1	990.8
60°	2895.8	2838.3	2774.7	2763.0	2640.5	2554.4	2430.5	2255.2	2067.3	1786.7	1547.7
62.5°	3324.1	3306.8	3255.4	3192.3	3086.2	2958.4	2819.2	2649.4	2458.6	2212.7	1928.4
64°	3381.7	3365.8	3321.3	3250.3	3143.6	3016.9	2862.6	2693.3	2502.1	2277.7	2018.2
65°	3345.6	3323.2	3285.3	3219.8	3120.8	2999.2	2843.9	2672.3	2478.2	2262.2	2020.9
67.5°	3055.3	3044.9	3010.3	2949.6	2887.4	2778.0	2641.4	2488.1	2329.6	2115.4	1917.6
70°	2594.2	2586.7	2542.8	2518.4	2415.6	2346.4	2236.0	2115.4	1975.1	1826.0	1657.6
72.5°	1923.3	1898.0	1862.4	1825.5	1755.8	1660.9	1574.9	1446.2	1373.8	1248.0	1153.1
75°	1019.8	1003.9	948.7	871.6	785.6	741.1	651.8	571.9	508.3	479.7	411.0
77.5°	352.6	321.2	290.4	255.8	203.0	159.9	127.6	102.0	80.5	71.1	59.3
80°	175.8	167.0	157.1	137.5	115.5	93.0	72.9	57.5	47.3	40.2	36.0
82.5°	142.6	126.2	112.7	98.7	79.0	65.0	51.4	42.0	34.6	30.4	26.7
85°	84.2	64.6	49.1	44.5	34.6	30.0	25.7	22.0	18.7	17.8	16.4
87.5°	3.3	4.2	4.2	3.3	4.2	3.7	3.7	3.3	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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2.5°	51.9	51.4	51.4	51.0	50.5	50.5	50.5	50.0	49.1	47.3	45.9
5°	53.8	53.3	52.8	51.9	51.4	51.0	50.5	50.5	48.2	44.9	42.5
7.5°	56.1	55.2	54.2	53.3	52.8	51.9	51.0	50.5	47.3	43.0	40.7
10°	58.4	57.0	55.6	55.2	53.8	52.8	51.4	50.5	46.8	41.6	38.3
12.5°	61.2	59.3	57.5	56.1	54.2	53.3	51.9	50.5	45.9	40.2	36.5
15°	64.6	61.8	59.3	58.0	56.1	53.8	51.9	50.5	44.9	38.8	34.6
17.5°	68.7	65.5	62.7	59.8	57.0	54.7	52.8	51.0	43.4	36.9	32.3
20°	75.3	71.1	66.4	63.2	59.3	56.6	53.3	51.0	42.5	35.1	30.4
22.5°	84.2	77.6	72.5	66.9	62.2	58.4	54.7	51.9	41.1	33.2	28.1
25°	96.8	88.4	80.0	72.9	66.9	61.8	57.0	53.3	40.2	31.8	26.7
27.5°	110.8	101.0	89.8	81.4	72.9	65.5	60.3	55.6	40.2	30.9	25.2
30°	130.4	116.5	102.9	92.1	80.9	72.5	65.0	58.9	40.2	30.4	23.8
32.5°	154.3	138.4	121.1	105.7	92.6	80.5	71.1	63.2	41.1	29.5	22.9
35°	187.5	164.1	143.5	124.4	107.1	93.0	80.9	70.1	42.5	29.0	21.5
37.5°	213.7	185.7	159.4	137.5	117.4	100.1	84.7	72.9	41.1	27.2	20.1
40°	245.0	213.2	181.4	153.9	130.9	108.5	90.7	76.7	40.2	24.7	18.2
42.5°	282.9	243.2	206.2	174.9	146.3	119.7	98.7	81.4	40.2	23.3	16.8
45°	318.4	275.0	233.8	194.5	161.3	131.9	106.1	86.5	39.7	22.0	15.0
47.5°	362.4	311.0	262.8	217.4	179.1	143.1	114.0	91.2	39.3	20.6	13.6
50°	414.3	351.6	297.4	243.2	196.4	156.7	123.4	96.3	38.3	19.2	12.2
52.5°	471.8	404.5	335.3	272.7	217.9	171.2	132.4	101.0	36.9	17.8	10.8
55°	573.8	481.1	399.4	321.7	250.6	192.7	145.4	108.0	35.5	16.4	9.4
57.5°	818.3	664.9	548.9	432.1	330.1	247.4	180.9	128.1	33.7	14.5	7.4
60°	1284.9	1032.0	835.2	655.1	499.4	379.7	266.5	189.4	36.0	12.2	6.5
62.5°	1648.3	1357.4	1106.8	880.9	684.1	520.0	388.1	282.9	51.9	10.8	5.1
64°	1743.2	1448.6	1181.1	944.6	739.7	570.4	433.0	319.8	66.9	10.8	4.7
65°	1757.2	1476.7	1207.8	967.9	758.9	584.0	446.0	332.0	72.9	11.3	4.2
67.5°	1699.3	1460.3	1215.7	977.8	773.4	602.7	463.8	351.2	82.3	10.8	3.3
70°	1484.2	1308.3	1107.3	914.6	729.5	572.8	446.0	340.4	86.0	10.3	2.8
72.5°	1010.1	888.9	770.1	633.6	507.8	418.5	325.5	239.9	60.3	8.4	2.3
75°	336.7	328.3	293.7	222.6	187.1	152.0	121.6	93.5	22.9	5.1	2.3
77.5°	56.1	48.2	42.0	40.2	33.7	32.7	28.6	22.9	9.9	3.3	2.3
80°	32.7	30.0	26.1	23.3	20.6	18.2	15.4	13.1	6.0	2.3	2.8
82.5°	24.3	21.5	19.2	16.8	14.5	12.7	10.8	8.9	3.3	2.3	2.8
85°	14.0	12.2	10.8	9.4	7.4	6.5	5.6	4.7	2.3	2.3	2.3
87.5°	2.8	2.8	2.3	2.3	2.3	2.3	2.3	1.9	2.3	2.3	1.9
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):

	125°	135°	145°	155°	165°	175°	180°
0°	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2.5°	44.9	43.4	43.0	43.0	43.0	43.0	43.0
5°	41.1	39.7	38.8	38.3	38.3	38.3	38.3
7.5°	38.3	36.5	35.5	34.6	34.6	34.1	34.1
10°	35.5	33.7	32.3	31.3	30.9	30.9	30.9
12.5°	33.2	31.3	29.5	28.6	28.6	28.1	28.1
15°	31.3	28.6	27.2	26.1	26.1	25.7	25.7
17.5°	29.0	26.7	25.2	24.3	23.8	23.8	23.8
20°	26.7	24.3	22.9	22.4	22.0	22.0	21.5
22.5°	24.7	22.4	21.0	20.6	20.1	20.1	19.6
25°	22.9	20.6	19.2	18.7	18.2	17.8	17.8
27.5°	21.5	19.2	17.8	16.8	16.4	15.9	15.9
30°	20.1	17.3	15.9	15.0	14.5	14.0	14.0
32.5°	18.7	15.9	14.0	13.1	12.7	12.2	12.2
35°	16.8	14.0	12.2	11.7	11.3	10.8	10.3
37.5°	15.4	12.2	10.8	9.9	9.4	8.9	8.9
40°	13.6	10.8	9.4	8.4	7.4	7.0	7.0
42.5°	12.2	9.4	7.9	6.5	6.0	5.6	5.6
45°	10.8	8.4	6.5	5.1	4.7	4.2	4.2
47.5°	9.4	7.0	5.1	4.2	3.7	3.3	3.3
50°	7.9	5.6	3.7	2.8	3.3	2.8	2.8
52.5°	7.0	4.2	2.8	2.8	2.8	2.8	2.8
55°	5.6	3.3	2.3	2.3	2.8	2.8	2.8
57.5°	4.7	2.3	1.9	2.3	2.3	2.3	2.3
60°	3.3	1.9	1.9	2.3	2.3	2.3	2.3
62.5°	2.8	1.9	1.9	1.9	2.3	2.3	2.3
64°	2.3	1.9	1.9	1.9	2.3	2.3	2.3
65°	2.3	1.9	1.9	1.9	2.3	2.3	2.3
67.5°	2.3	1.9	1.9	1.9	2.3	2.3	2.3
70°	1.9	1.9	1.9	1.9	2.3	2.3	2.3
72.5°	1.9	1.9	1.9	1.9	2.3	2.3	2.3
75°	1.9	1.9	1.9	1.9	2.3	2.3	2.3
77.5°	1.9	1.9	1.9	2.3	2.3	2.3	2.3
80°	1.9	1.9	1.9	2.3	2.3	2.3	2.3
82.5°	1.9	1.9	1.9	2.3	2.3	2.3	2.3
85°	1.9	1.9	1.9	2.3	2.3	2.3	2.3
87.5°	1.9	1.9	1.9	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)