

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: P181343

Luminaire Tested: **ICM-F03-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181343
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-F03-LED-E1-T3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3430.5 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

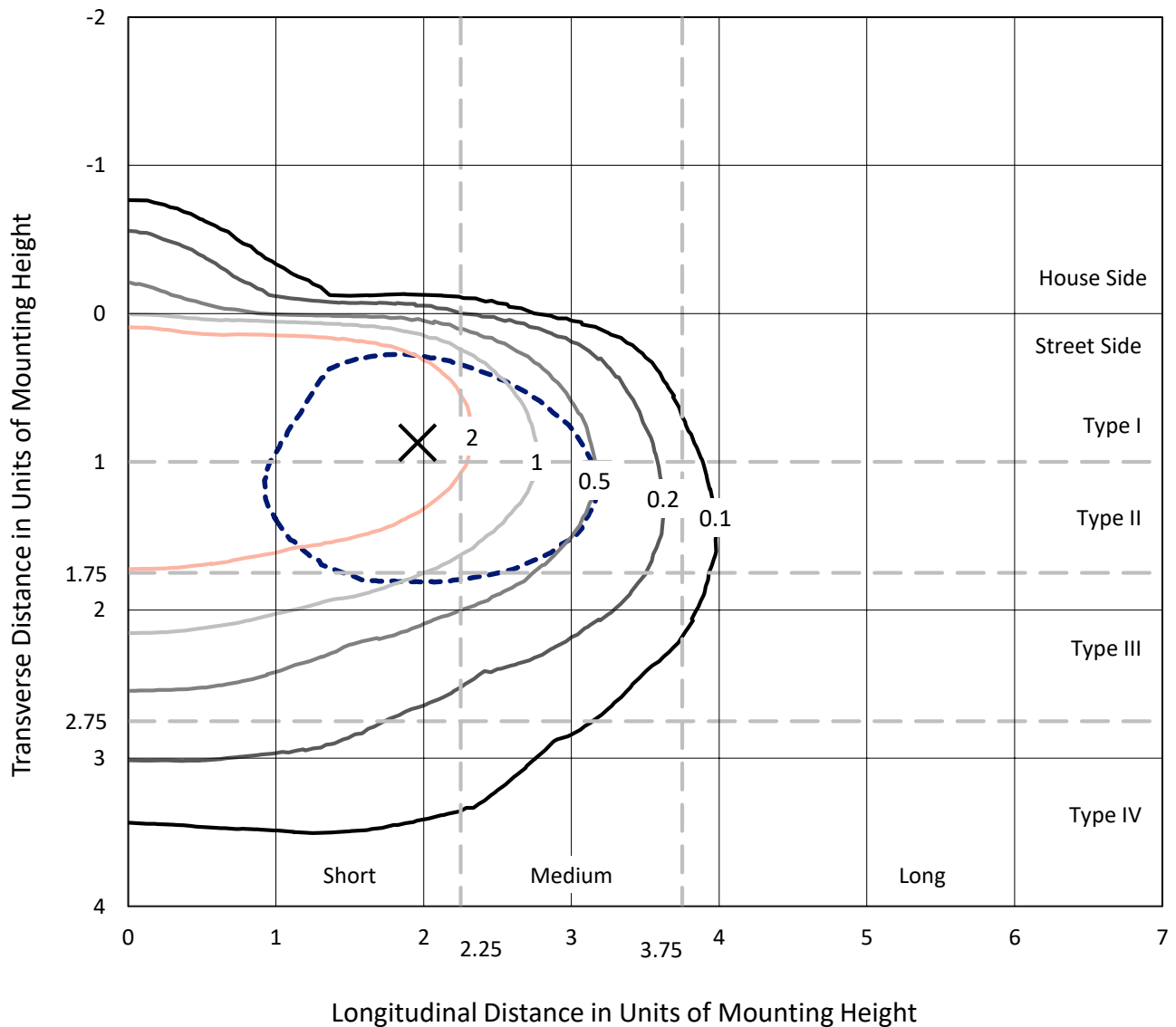
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

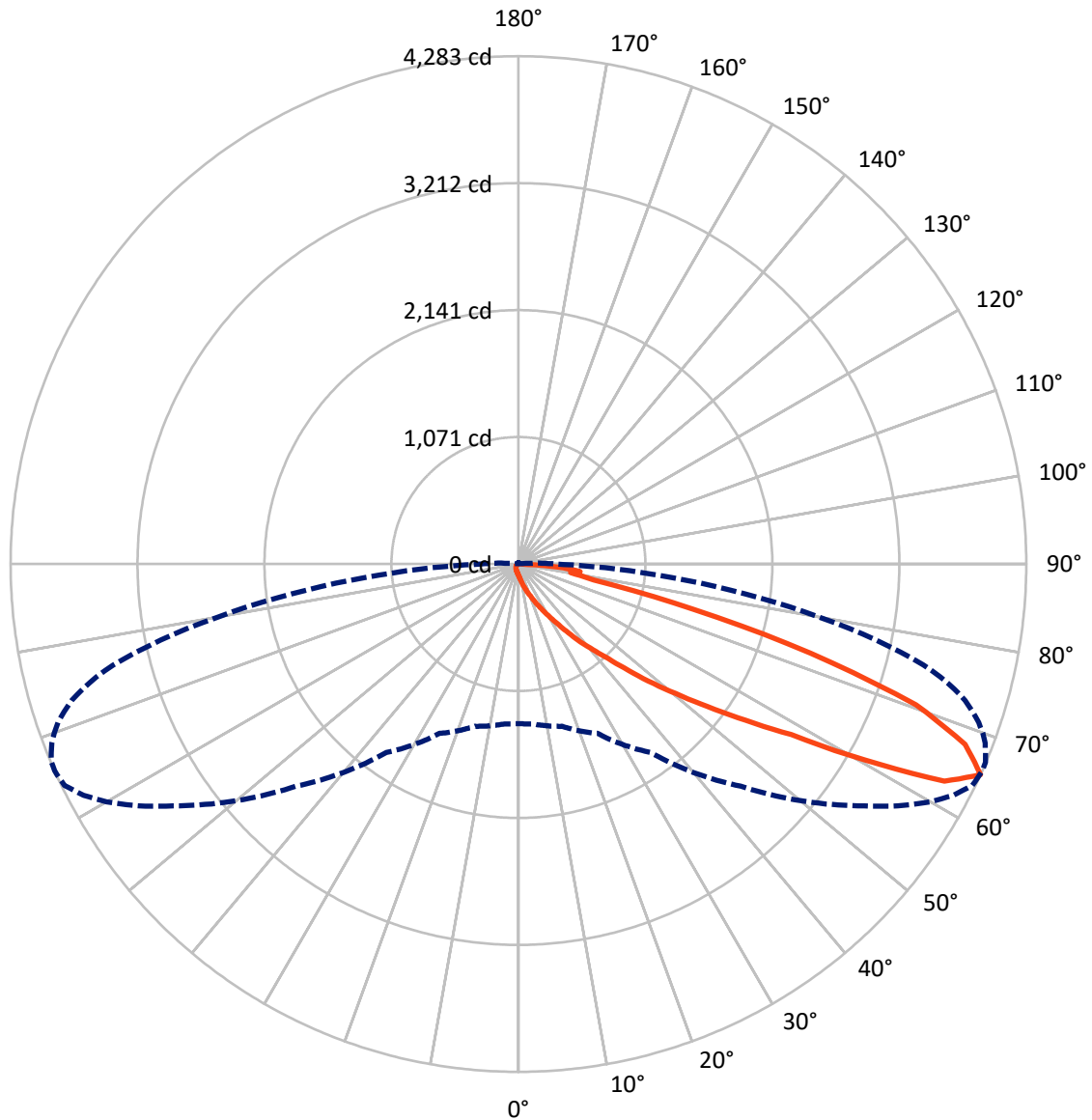
× Max cd
 - - - 1/2 Max cd



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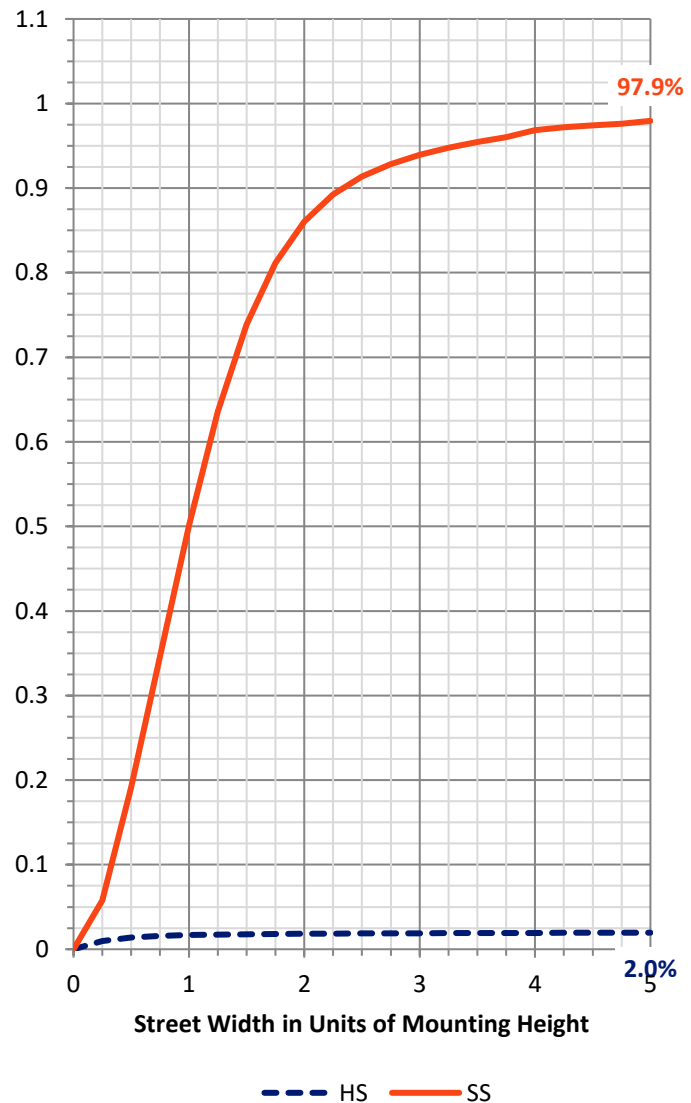
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	68.9	0.0	68.9
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	3361.6	0.0	3361.6
	% Fixture	98.0	0.0	98.0
Total	Lumens	3430.5	0.0	3430.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.3
10°-20°	55.8	1.6
20°-30°	127.4	3.7
30°-40°	242.4	7.1
40°-50°	486.6	14.2
50°-60°	860.9	25.1
60°-70°	1124.9	32.8
70°-80°	462.5	13.5
80°-90°	58.3	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°	3430.5	100.0
0°-180°	3430.5	100.0



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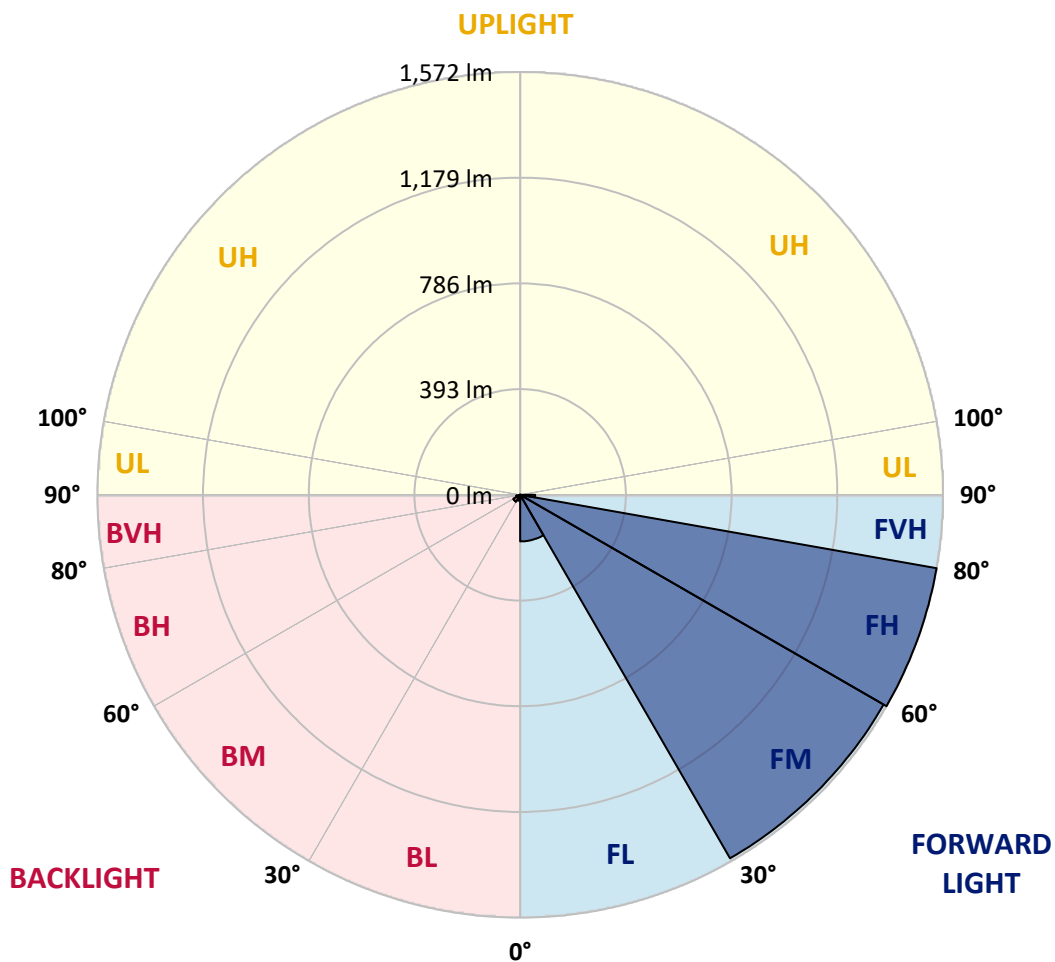
CATALOG NUMBER: ICM-F03-LED-E1-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	173.3	5.1			
FM	(30°-60°)	1560.4	45.5			
FH	(60°-80°)	1572.2	45.8			G1/1800
FVH	(80°-90°)	55.7	1.6			G1/100
BL	(0°-30°)	21.5	0.6	B0/110		
BM	(30°-60°)	29.5	0.9	B0/220		
BH	(60°-80°)	15.2	0.4	B0/110		G0/110
BVH	(80°-90°)	2.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2.5°	126.2	124.2	124.8	120.7	117.9	114.3	111.5	110.8	110.1	108.7	109.4
5°	181.7	179.5	174.6	166.2	158.5	146.6	134.7	134.0	131.9	129.8	128.4
7.5°	252.5	249.0	243.4	229.4	210.4	189.4	165.5	163.4	160.7	157.8	155.0
10°	334.6	332.5	322.0	305.8	277.0	242.7	202.7	200.6	194.3	190.8	188.0
12.5°	420.8	411.7	407.5	379.4	346.5	299.5	248.3	240.6	235.6	230.8	223.7
15°	486.0	487.4	477.7	455.2	416.7	362.0	298.0	289.7	282.7	273.6	265.1
17.5°	545.0	542.1	531.6	517.6	481.1	425.8	351.4	340.2	328.9	324.0	312.1
20°	592.7	591.3	582.9	569.5	541.5	488.2	407.5	398.4	385.8	377.3	364.0
22.5°	630.5	630.5	625.7	618.0	590.6	547.8	467.2	457.3	444.7	434.1	419.4
25°	660.7	660.0	660.7	657.2	639.0	599.7	528.2	516.9	506.4	493.8	479.7
27.5°	695.1	696.5	695.1	692.9	685.3	653.7	589.9	582.1	570.2	556.9	542.9
30°	748.4	744.2	743.4	742.1	732.9	713.3	653.7	644.6	635.4	626.3	616.6
32.5°	804.5	797.5	795.4	795.4	789.0	771.5	727.4	722.4	709.1	702.1	693.7
35°	868.3	865.5	862.7	863.4	860.6	842.3	805.9	807.3	803.1	789.0	780.7
37.5°	961.6	962.3	957.4	948.3	948.3	932.2	911.1	908.3	897.8	894.2	889.4
40°	1094.9	1091.4	1087.2	1073.9	1068.9	1041.6	1022.0	1014.9	1006.5	1005.8	1000.2
42.5°	1249.2	1244.9	1244.9	1235.2	1225.3	1192.4	1155.2	1150.2	1141.1	1144.0	1141.9
45°	1392.3	1395.7	1400.7	1407.7	1409.1	1395.1	1341.0	1334.7	1329.9	1327.1	1324.9
47.5°	1515.7	1522.1	1538.1	1568.3	1606.9	1611.8	1569.0	1552.2	1548.7	1543.7	1539.5
50°	1604.1	1613.2	1649.7	1708.6	1783.6	1830.0	1806.8	1792.8	1792.1	1778.7	1777.3
52.5°	1654.6	1664.4	1724.0	1813.1	1929.5	2020.0	2048.8	2048.1	2046.7	2034.7	2029.9
55°	1665.8	1676.3	1747.9	1869.2	2035.5	2191.8	2302.0	2304.8	2311.1	2307.5	2307.5
57.5°	1635.0	1648.3	1726.2	1876.2	2090.9	2327.9	2568.5	2584.7	2592.4	2619.7	2651.3
60°	1578.1	1587.9	1665.8	1833.4	2100.7	2452.1	2915.0	2966.2	3006.2	3060.2	3111.4
62.5°	1472.9	1492.6	1566.9	1749.3	2071.2	2595.2	3328.9	3423.5	3501.3	3583.5	3682.3
65°	1345.3	1353.7	1416.8	1576.0	1939.4	2649.9	3557.5	3650.1	3749.6	3837.3	3925.7
67.5°	1185.3	1192.4	1247.1	1315.1	1600.6	2393.9	3332.3	3434.7	3524.5	3596.8	3712.5
70°	776.5	791.9	925.9	993.2	1118.7	1769.6	2724.9	2823.8	2892.6	2941.6	3075.6
72.5°	568.8	578.6	632.7	771.5	802.4	1045.8	1917.6	2024.9	2050.2	2142.8	2205.2
75°	347.2	371.7	493.8	660.7	782.1	716.1	1148.8	1200.8	1259.0	1326.3	1386.0
77.5°	70.1	80.0	161.3	455.2	688.1	765.2	686.0	695.8	724.6	730.9	753.3
80°	11.3	11.9	21.0	196.4	398.4	618.6	686.0	676.8	660.7	649.5	638.2
82.5°	4.9	5.6	9.1	49.8	84.8	206.2	593.4	639.6	692.9	722.4	730.1
85°	2.1	2.1	3.5	9.9	12.7	14.0	100.3	132.6	236.4	314.2	362.0
87.5°	1.4	1.4	2.1	2.1	2.8	3.5	4.9	4.9	5.6	6.3	9.1
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°	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2.5°	109.4	108.7	108.7	106.6	106.6	106.0	106.0	105.2	105.2	103.8	104.5
5°	127.6	126.2	124.8	122.7	122.0	120.7	119.3	117.1	116.5	115.1	114.3
7.5°	152.2	150.8	148.0	143.8	141.0	138.1	135.3	132.6	130.4	128.4	127.0
10°	182.3	178.1	176.7	168.4	164.8	159.3	155.7	152.9	148.7	145.2	143.1
12.5°	218.8	215.4	208.3	197.1	191.4	186.6	180.3	174.6	170.4	164.1	159.9
15°	256.7	253.9	244.1	231.4	224.5	215.4	209.0	203.4	194.3	190.0	182.3
17.5°	304.4	296.0	286.1	267.9	258.8	251.1	239.9	231.4	225.9	213.2	206.2
20°	353.5	344.4	331.7	311.4	298.8	286.9	277.8	266.5	254.6	246.2	234.2
22.5°	409.6	394.9	385.0	359.8	345.1	332.5	317.0	305.1	293.2	279.8	266.5
25°	469.2	454.5	442.6	413.9	398.4	385.8	367.5	350.7	336.0	321.2	305.8
27.5°	531.6	518.3	505.0	475.5	462.2	444.7	427.8	408.2	389.3	375.9	354.9
30°	603.9	592.7	578.0	546.4	531.6	513.4	495.9	472.7	454.5	436.3	415.9
32.5°	681.8	672.7	657.2	629.1	611.6	596.2	577.2	554.8	528.8	510.0	486.0
35°	776.5	761.0	751.9	725.2	711.9	695.1	675.4	655.8	628.5	601.8	581.5
37.5°	884.5	877.4	865.5	840.3	830.4	812.9	800.3	780.7	759.6	726.0	704.2
40°	995.3	990.3	979.8	954.6	944.7	932.8	918.1	899.2	874.0	856.4	824.1
42.5°	1136.3	1128.6	1120.1	1096.3	1077.3	1062.6	1056.3	1040.2	1013.5	991.1	965.8
45°	1315.1	1311.6	1300.4	1276.6	1257.6	1247.8	1238.0	1210.6	1193.0	1170.6	1153.1
47.5°	1531.2	1519.9	1514.3	1487.6	1481.3	1473.6	1448.4	1432.9	1407.7	1390.1	1368.4
50°	1764.7	1752.8	1753.5	1721.2	1722.6	1717.0	1698.1	1679.8	1658.1	1642.7	1629.3
52.5°	2015.8	2021.4	2007.4	2017.2	2006.0	1993.3	1989.9	1967.5	1948.5	1947.7	1929.5
55°	2324.4	2315.3	2318.8	2328.7	2313.2	2327.3	2320.2	2291.5	2292.2	2297.8	2276.8
57.5°	2656.2	2669.5	2698.2	2704.6	2731.3	2712.9	2760.7	2726.3	2747.4	2747.4	2733.3
60°	3142.9	3196.2	3265.7	3319.7	3369.5	3353.3	3415.7	3376.5	3404.6	3380.7	3368.8
62.5°	3729.3	3800.1	3882.3	3969.9	4020.4	4033.0	4023.9	4041.4	4014.1	3996.6	3950.9
65°	4011.3	4081.4	4153.0	4258.2	4272.2	4282.7	4278.5	4249.0	4215.4	4165.6	4106.0
67.5°	3777.0	3875.2	3915.2	4036.5	4077.2	4062.4	4067.4	4029.5	3976.9	3927.8	3840.1
70°	3131.7	3243.9	3265.0	3438.9	3487.4	3557.5	3532.2	3521.0	3463.5	3422.1	3325.3
72.5°	2280.2	2367.9	2360.9	2556.6	2548.2	2576.9	2644.9	2642.2	2581.8	2568.5	2487.2
75°	1403.5	1456.1	1453.3	1592.2	1534.0	1525.5	1544.5	1536.0	1479.3	1420.3	1369.8
77.5°	743.4	767.4	742.1	700.7	696.5	649.5	636.2	635.4	592.0	538.7	499.4
80°	626.3	601.8	572.4	512.0	476.9	445.4	415.9	388.6	359.1	319.8	272.1
82.5°	731.5	719.6	698.6	622.8	586.3	523.3	476.3	432.1	378.0	337.4	276.4
85°	356.3	355.6	372.5	364.7	351.4	348.6	302.3	292.5	270.7	248.3	207.6
87.5°	9.9	7.0	8.4	7.0	8.4	9.1	6.3	14.7	9.1	8.4	9.9
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°	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2.5°	103.8	103.1	102.4	102.4	101.7	101.7	101.0	100.3	100.3	99.6	99.6
5°	112.9	111.5	110.8	110.1	108.7	108.0	106.6	106.0	104.5	103.8	102.4
7.5°	124.2	122.7	119.9	118.5	116.5	115.7	112.2	110.8	109.4	108.0	106.0
10°	138.1	134.7	131.9	129.0	125.6	122.7	119.9	117.9	115.1	111.5	110.1
12.5°	155.7	150.8	146.6	141.7	137.5	133.3	128.4	124.8	120.7	117.1	113.6
15°	175.3	168.4	162.7	155.7	148.7	143.8	138.9	134.0	128.4	123.4	119.3
17.5°	197.8	188.7	180.9	172.6	164.8	157.8	149.4	143.1	136.7	129.8	124.2
20°	221.7	212.6	202.0	192.8	181.7	174.0	163.4	155.0	145.9	138.9	131.2
22.5°	253.2	241.3	227.9	215.4	203.4	191.4	180.3	169.8	158.5	148.0	140.3
25°	290.4	275.6	258.8	246.2	229.4	216.0	202.0	188.7	176.7	163.4	150.8
27.5°	336.7	317.0	298.8	281.3	263.0	246.2	227.9	212.6	196.4	180.9	167.0
30°	390.7	371.7	344.4	324.7	306.5	283.4	265.1	244.7	226.5	204.1	188.7
32.5°	462.2	437.7	408.9	383.0	359.1	333.1	307.9	282.0	258.1	237.8	214.6
35°	555.5	526.7	492.4	459.4	432.7	401.2	368.9	339.4	312.1	282.7	253.9
37.5°	673.3	646.7	609.5	569.5	533.8	495.9	462.2	420.8	384.4	348.6	312.1
40°	790.5	766.0	727.4	684.6	638.2	594.8	552.0	505.0	458.7	413.9	375.9
42.5°	935.0	898.5	857.1	808.7	763.8	711.9	658.6	604.6	549.2	495.2	441.2
45°	1116.7	1088.6	1030.3	978.4	925.1	864.1	798.1	736.5	665.6	601.8	530.2
47.5°	1337.6	1287.1	1244.3	1196.6	1130.0	1071.0	986.9	914.0	825.6	740.7	655.1
50°	1598.5	1570.4	1513.6	1454.0	1381.8	1311.6	1229.6	1124.4	1018.4	927.9	810.8
52.5°	1903.5	1863.6	1827.8	1766.2	1692.5	1602.7	1509.4	1395.1	1265.3	1137.7	1012.8
55°	2265.5	2237.4	2203.1	2154.0	2060.0	1958.2	1846.1	1709.3	1555.7	1383.8	1238.7
57.5°	2732.7	2703.2	2670.2	2569.2	2505.4	2380.6	2217.8	2076.1	1910.6	1690.3	1510.1
60°	3370.2	3330.3	3283.9	3201.9	3068.6	2906.5	2731.9	2522.2	2319.5	2078.9	1842.5
62.5°	3915.2	3851.4	3752.5	3646.5	3486.6	3300.8	3081.2	2834.3	2603.6	2332.9	2069.8
65°	4027.4	3939.7	3823.3	3685.1	3520.3	3310.5	3081.2	2844.9	2573.4	2318.8	2054.3
67.5°	3735.7	3633.9	3514.7	3360.4	3203.3	2987.3	2789.4	2548.9	2293.6	2073.3	1836.9
70°	3255.8	3105.0	2983.0	2818.9	2659.6	2490.0	2281.6	2101.4	1893.8	1691.1	1510.1
72.5°	2445.0	2296.4	2185.5	2054.3	1959.7	1780.1	1627.3	1492.6	1369.8	1218.3	1084.4
75°	1318.0	1206.4	1132.0	1072.5	987.5	869.0	796.1	703.5	651.6	588.5	527.4
77.5°	430.0	378.8	323.4	269.3	231.4	174.0	168.4	134.0	126.2	122.7	94.7
80°	220.3	169.8	122.7	88.4	67.3	59.6	56.8	54.0	51.2	49.1	45.6
82.5°	220.9	159.9	110.1	76.5	55.4	46.3	43.4	42.0	40.0	37.9	35.1
85°	161.3	119.3	82.0	56.1	38.6	30.9	29.5	27.3	26.0	25.2	22.4
87.5°	10.5	7.7	7.0	6.3	6.3	6.3	7.0	6.3	7.0	7.0	6.3
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°	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2.5°	98.9	98.2	98.2	97.5	96.8	96.8	96.1	96.1	94.0	90.5	87.6
5°	101.7	100.3	99.6	98.9	98.2	96.8	96.1	95.3	91.9	84.8	79.3
7.5°	103.8	102.4	101.7	100.3	98.2	97.5	96.1	94.7	89.1	79.3	72.9
10°	107.3	105.2	103.1	101.0	98.9	97.5	95.3	94.0	85.6	74.3	68.0
12.5°	110.8	108.0	105.2	101.7	99.6	97.5	95.3	92.6	82.8	70.1	63.2
15°	115.1	110.8	107.3	103.8	100.3	97.5	94.0	91.9	80.0	66.6	60.3
17.5°	119.3	114.3	109.4	104.5	101.0	96.8	94.0	90.5	77.1	63.8	56.8
20°	124.2	117.1	112.2	106.6	101.7	96.8	92.6	89.1	74.3	60.3	53.3
22.5°	131.2	122.7	115.1	108.7	102.4	97.5	92.6	87.6	71.5	57.5	50.5
25°	140.3	129.8	120.7	112.9	105.2	98.9	93.3	88.4	69.4	55.4	47.0
27.5°	153.6	140.3	130.4	119.9	110.1	102.4	95.3	89.8	68.0	53.3	44.9
30°	169.8	156.4	141.0	128.4	117.9	107.3	99.6	91.2	66.6	51.2	42.0
32.5°	193.6	174.6	156.4	141.0	126.2	114.3	103.1	94.7	66.0	47.7	39.3
35°	227.9	202.0	180.3	159.9	139.5	124.8	111.5	100.3	65.2	44.9	36.5
37.5°	277.0	246.2	218.1	189.4	164.1	143.1	124.8	110.1	65.2	42.8	33.7
40°	329.7	289.7	253.9	218.1	185.9	159.3	134.7	116.5	63.8	40.0	30.9
42.5°	389.3	340.2	291.1	246.9	206.9	172.6	143.8	121.3	60.3	37.2	28.1
45°	469.2	404.7	345.8	288.9	237.0	192.2	155.7	127.0	56.8	35.1	25.2
47.5°	569.5	494.5	418.0	346.5	278.4	221.7	173.2	136.1	54.7	32.3	23.2
50°	718.9	612.3	511.4	420.1	333.9	259.5	199.2	149.4	52.6	30.1	21.0
52.5°	883.1	751.9	633.4	516.2	408.9	310.7	229.4	167.0	50.5	28.1	19.0
55°	1083.0	921.6	777.1	624.9	487.4	370.3	266.5	186.6	47.7	26.0	17.5
57.5°	1329.9	1125.8	954.6	768.7	596.2	447.4	316.4	219.5	44.9	23.2	15.4
60°	1605.5	1374.7	1159.4	941.3	732.3	549.9	390.0	266.5	42.0	20.4	13.3
62.5°	1804.0	1550.8	1304.6	1059.8	830.4	626.3	449.6	303.0	37.9	17.5	11.9
65°	1801.9	1545.1	1297.6	1056.3	833.2	629.1	451.7	310.0	33.7	15.4	10.5
67.5°	1605.5	1389.5	1168.6	951.8	756.8	572.4	418.0	287.5	28.7	14.0	9.1
70°	1320.8	1148.8	974.2	802.4	646.0	490.2	361.2	250.4	24.6	12.7	7.7
72.5°	964.4	838.9	732.3	610.9	504.3	387.2	288.3	196.4	19.6	10.5	7.0
75°	479.1	428.6	367.5	329.7	281.3	230.0	178.9	114.3	16.1	8.4	6.3
77.5°	91.2	81.4	77.9	67.3	61.8	54.7	48.4	34.3	12.7	6.3	5.6
80°	42.0	38.6	35.1	31.5	28.1	23.8	21.0	18.2	9.9	4.9	6.3
82.5°	32.9	30.1	26.7	23.8	21.0	18.2	15.4	13.3	6.3	4.2	6.3
85°	21.8	19.0	16.8	14.7	12.7	11.3	9.9	8.4	4.2	4.2	4.2
87.5°	6.3	6.3	5.6	5.6	4.9	4.9	4.2	4.2	3.5	3.5	3.5
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°	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2.5°	84.8	81.4	80.0	79.3	79.3	80.0	79.3
5°	75.1	71.5	70.1	68.7	68.7	68.7	69.4
7.5°	68.7	65.2	63.2	62.4	61.8	62.4	62.4
10°	63.2	60.3	57.5	56.1	56.1	56.1	56.1
12.5°	58.9	55.4	52.6	51.9	51.2	51.2	51.2
15°	55.4	51.2	49.1	47.7	47.0	47.0	47.7
17.5°	51.2	47.7	44.9	44.2	44.2	44.2	44.2
20°	48.4	44.2	42.0	40.7	40.7	40.7	40.7
22.5°	44.9	41.4	38.6	37.2	37.2	37.2	37.2
25°	42.0	38.6	35.8	34.3	34.3	34.3	34.3
27.5°	39.3	35.8	32.9	31.5	31.5	31.5	31.5
30°	36.5	32.9	30.1	28.7	28.7	28.7	28.7
32.5°	34.3	30.1	27.3	26.0	26.0	26.7	26.0
35°	30.9	27.3	24.6	23.2	23.2	23.2	23.2
37.5°	28.1	24.6	21.8	20.4	20.4	20.4	19.6
40°	26.0	21.8	19.0	17.5	16.8	16.8	16.8
42.5°	22.4	18.2	16.1	14.7	14.0	14.0	14.0
45°	20.4	16.1	13.3	11.9	11.9	11.9	11.9
47.5°	18.2	14.0	11.3	9.9	9.9	10.5	10.5
50°	16.1	11.9	9.1	9.1	9.1	9.9	9.9
52.5°	14.0	10.5	8.4	8.4	9.1	9.9	9.9
55°	12.7	9.1	7.7	8.4	9.1	9.9	9.9
57.5°	11.3	7.7	7.7	8.4	9.1	9.9	9.9
60°	9.9	7.0	7.0	7.7	9.1	9.9	9.9
62.5°	8.4	7.0	7.0	7.7	9.1	9.9	9.9
65°	7.7	7.0	7.0	7.7	9.1	9.9	9.9
67.5°	7.0	6.3	7.0	7.7	8.4	9.1	9.1
70°	6.3	6.3	7.0	7.7	8.4	9.1	9.1
72.5°	6.3	6.3	6.3	7.0	7.7	8.4	8.4
75°	6.3	6.3	6.3	7.0	7.7	8.4	8.4
77.5°	6.3	5.6	5.6	6.3	7.7	8.4	8.4
80°	6.3	5.6	5.6	6.3	7.0	8.4	8.4
82.5°	4.9	4.9	5.6	6.3	7.0	7.7	7.7
85°	4.2	4.9	4.9	5.6	6.3	7.7	7.7
87.5°	3.5	3.5	4.2	4.9	5.6	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)