

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: P181221

Luminaire Tested: **ICS-F03-LED-E1-T2-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181221
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: ICS-F03-LED-E1-T2-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3012.5 lumens
Efficiency: N/A
Efficacy: 38.5 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

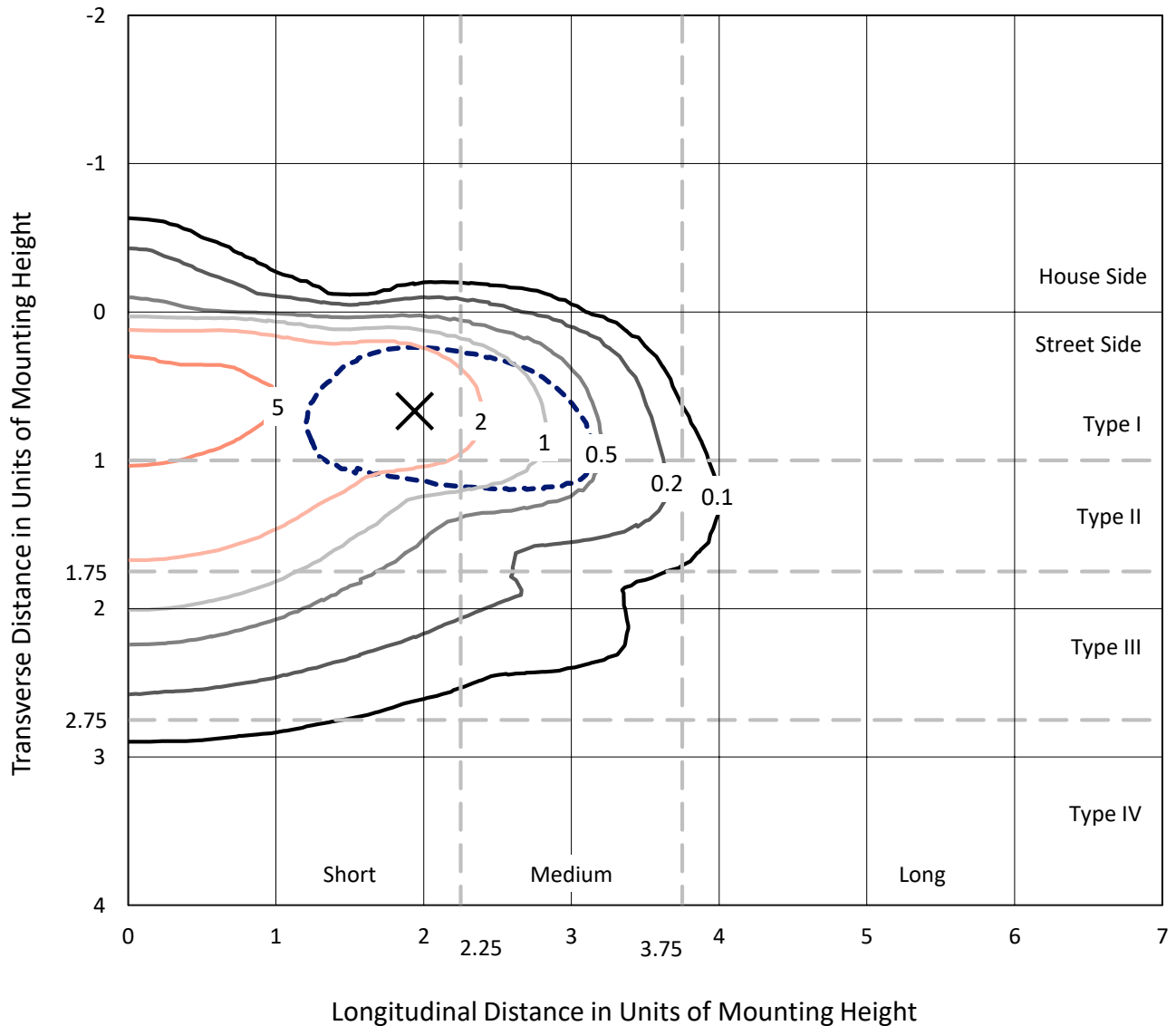
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

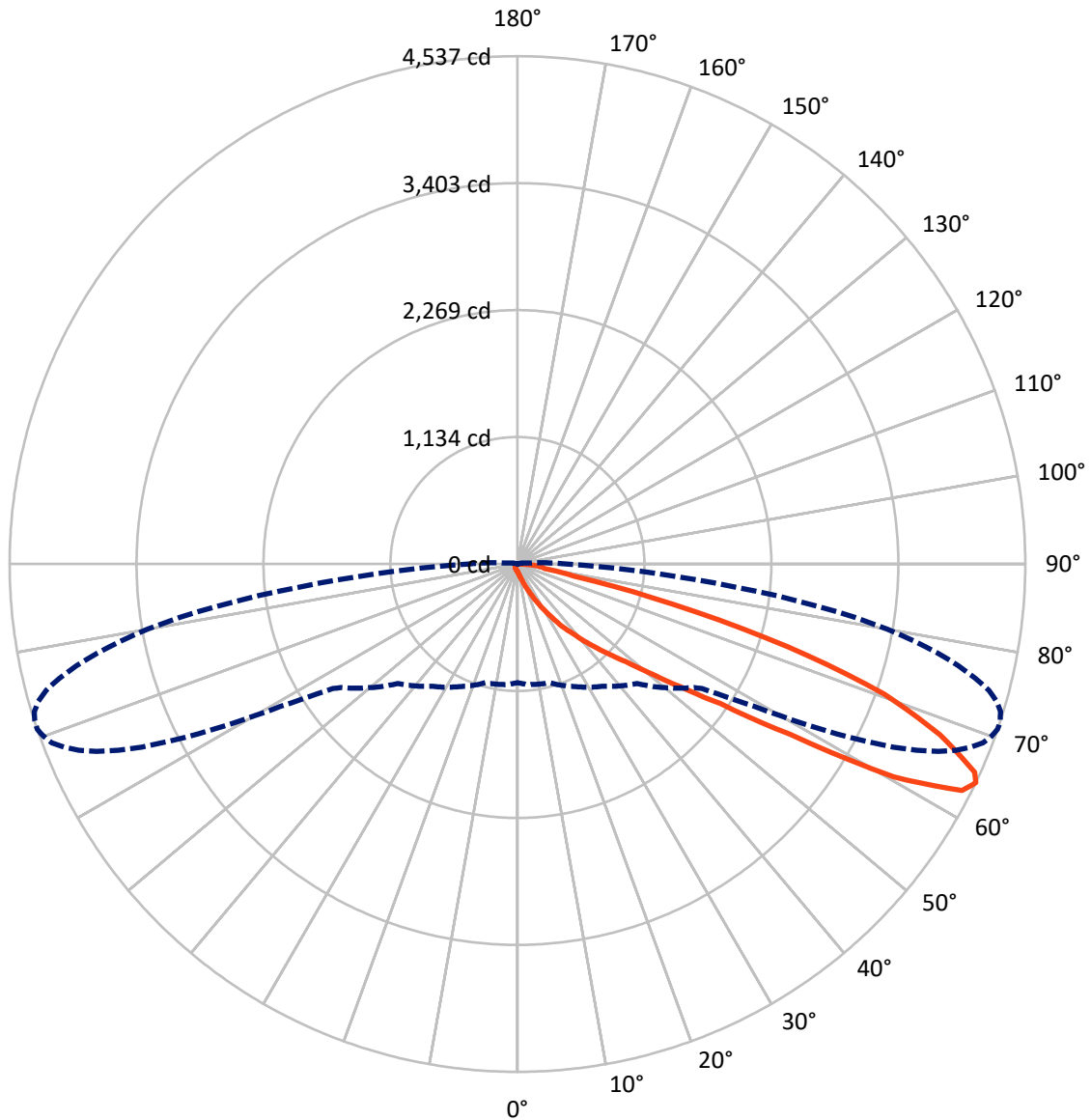
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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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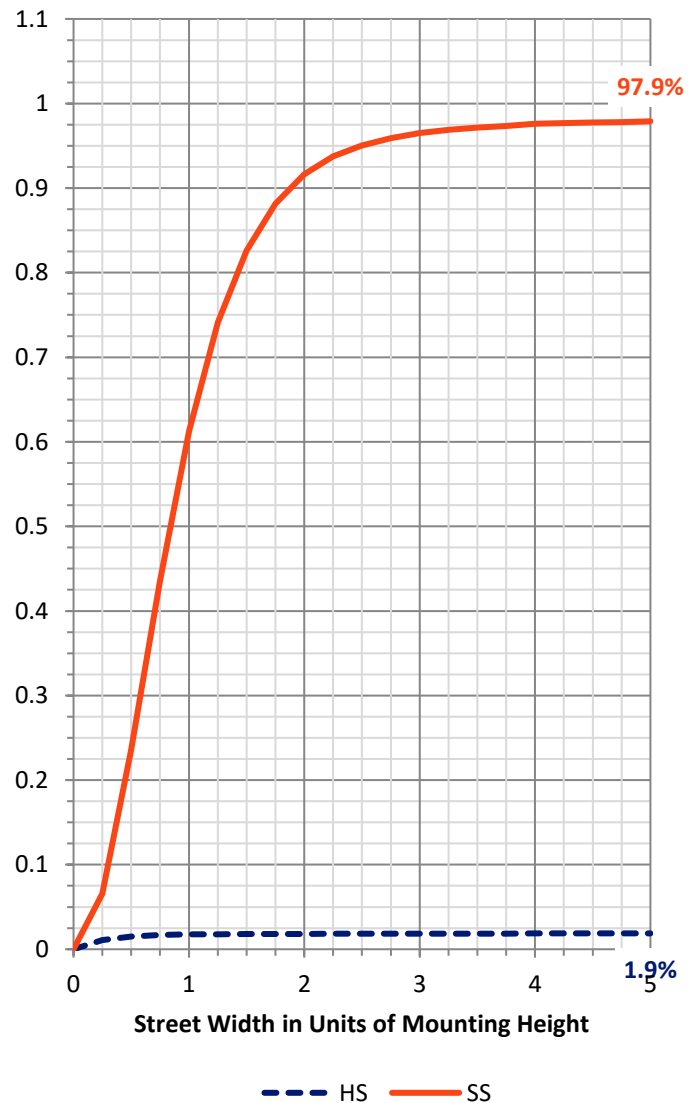
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.7	0.0	57.7
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2954.8	0.0	2954.8
	% Fixture	98.1	0.0	98.1
Total	Lumens	3012.5	0.0	3012.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.3
10°-20°	54.5	1.8
20°-30°	139.1	4.6
30°-40°	281.4	9.3
40°-50°	514.4	17.1
50°-60°	801.4	26.6
60°-70°	890.8	29.6
70°-80°	290.5	9.6
80°-90°	31.3	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°	3012.5	100.0
0°-180°	3012.5	100.0



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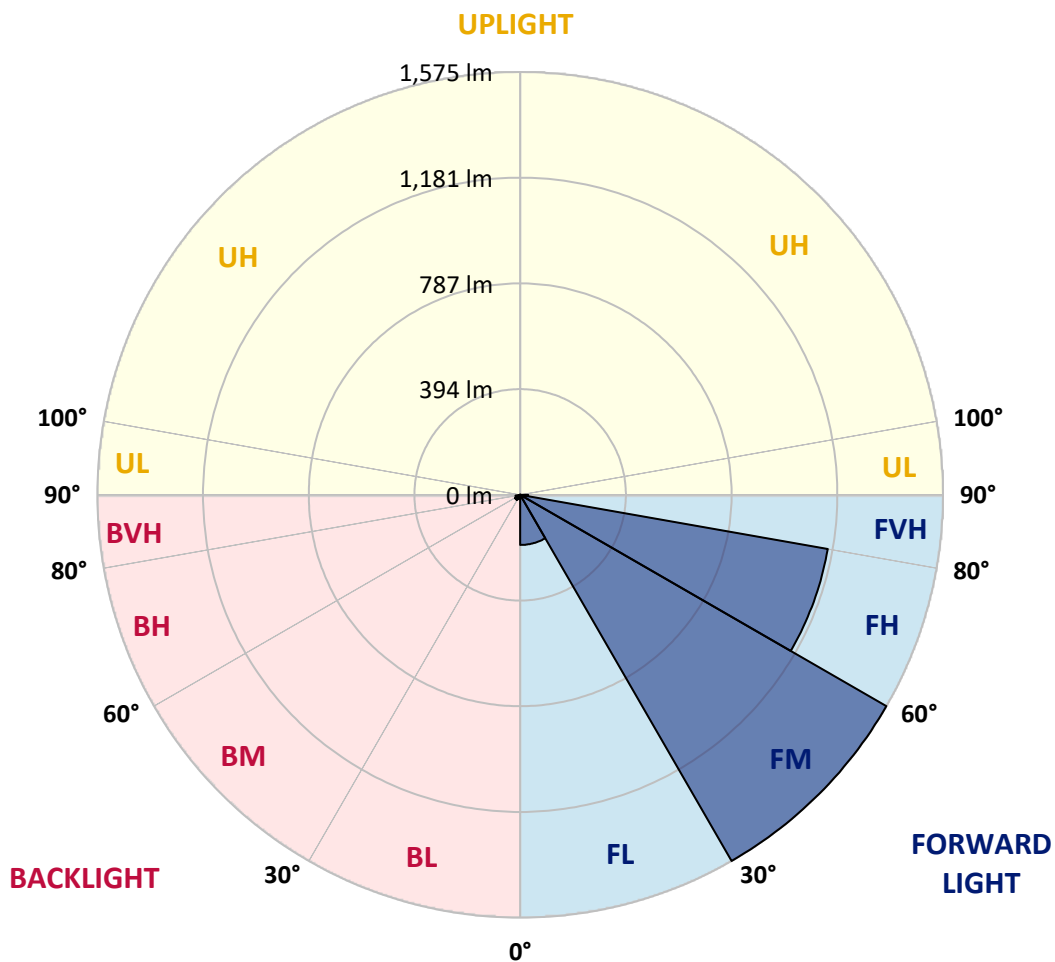
CATALOG NUMBER: ICS-F03-LED-E1-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.8	6.2			
FM (30°-60°)	1574.9	52.3			
FH (60°-80°)	1163.5	38.6			G1/1800
FVH (80°-90°)	29.7	1.0			G1/100
BL (0°-30°)	16.1	0.5	B0/110		
BM (30°-60°)	22.3	0.7	B0/220		
BH (60°-80°)	17.8	0.6	B0/110		G0/110
BVH (80°-90°)	1.5	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°	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2.5°	90.3	89.0	89.0	87.2	84.7	82.1	79.6	79.0	78.4	77.8	77.8
5°	141.7	136.7	134.8	127.9	119.1	108.5	99.1	96.6	96.6	94.7	93.4
7.5°	222.6	220.1	206.9	200.0	179.3	153.6	126.7	124.2	123.5	121.0	117.3
10°	326.1	321.1	311.7	291.6	254.0	209.5	171.2	164.9	160.5	155.5	150.5
12.5°	429.6	423.3	409.5	376.9	339.3	282.2	220.7	215.1	208.2	201.3	193.1
15°	533.0	528.6	507.3	474.7	425.8	357.4	279.7	269.7	264.0	250.2	243.9
17.5°	622.7	617.1	600.1	563.1	512.3	437.1	344.9	332.4	323.0	314.8	299.8
20°	700.5	694.8	678.5	647.8	590.7	516.7	415.1	408.9	391.9	379.4	370.6
22.5°	748.1	746.2	735.6	706.1	655.3	589.5	495.4	485.4	474.1	457.2	447.1
25°	777.6	775.7	769.4	748.8	714.3	666.0	583.8	571.3	561.3	546.2	533.7
27.5°	808.3	807.1	802.1	783.9	765.7	735.6	673.5	666.6	644.7	635.9	624.0
30°	859.1	853.5	857.9	849.1	825.9	807.1	763.8	753.8	744.4	729.3	718.7
32.5°	940.0	930.6	940.0	930.6	920.6	898.0	856.6	853.5	844.1	834.7	819.6
35°	1039.1	1035.3	1042.9	1051.0	1042.9	1012.8	962.6	953.2	949.4	934.4	928.7
37.5°	1138.8	1145.7	1159.5	1177.7	1172.7	1150.7	1079.9	1071.1	1064.2	1051.0	1041.0
40°	1246.0	1246.7	1276.1	1302.5	1315.6	1302.5	1209.0	1202.1	1192.7	1173.9	1171.4
42.5°	1362.7	1357.7	1379.6	1409.1	1436.1	1454.2	1379.6	1366.4	1353.3	1332.0	1317.5
45°	1466.2	1466.2	1483.7	1511.3	1552.7	1598.5	1559.6	1545.8	1533.2	1515.7	1499.4
47.5°	1542.7	1543.3	1553.9	1594.1	1658.7	1727.0	1728.3	1730.8	1721.4	1700.7	1701.3
50°	1596.6	1589.7	1604.1	1643.0	1717.6	1824.8	1902.0	1906.4	1913.9	1897.0	1902.0
52.5°	1636.1	1633.0	1642.4	1675.0	1749.6	1880.7	2044.3	2063.1	2074.4	2076.9	2097.6
55°	1615.4	1617.3	1639.9	1686.9	1767.2	1917.7	2165.4	2196.1	2222.4	2245.0	2270.7
57.5°	1547.0	1552.7	1592.2	1665.6	1770.9	1947.8	2293.9	2340.9	2390.5	2450.7	2501.5
60°	1437.9	1451.1	1504.4	1607.2	1734.5	1908.3	2332.2	2404.3	2480.2	2571.7	2673.9
62.5°	1278.0	1280.5	1315.6	1415.4	1555.8	1698.2	2156.6	2248.8	2349.1	2481.4	2624.4
64°	1059.2	1081.7	1098.0	1207.8	1333.2	1510.7	1924.6	1988.5	2128.4	2290.8	2470.8
65°	874.2	901.1	914.3	1024.0	1167.7	1337.0	1722.6	1791.0	1938.4	2103.3	2327.8
67.5°	515.5	497.3	535.5	600.1	720.5	921.2	1162.0	1214.1	1323.8	1520.1	1699.4
70°	332.4	332.4	367.5	433.3	544.9	698.6	798.3	776.3	799.5	875.4	1002.1
72.5°	213.2	224.5	245.8	301.6	405.1	585.7	815.9	712.4	658.5	633.4	632.1
75°	97.2	103.5	126.7	159.9	216.3	381.9	822.8	777.6	728.1	680.4	643.4
77.5°	20.7	23.8	40.1	82.8	105.4	176.2	583.8	651.6	705.5	721.2	721.2
80°	10.7	11.3	16.9	38.9	45.2	59.6	225.1	296.0	365.0	455.9	551.2
82.5°	4.4	5.0	10.0	17.6	18.8	18.2	59.6	75.3	103.5	150.5	224.5
85°	1.3	1.3	4.4	6.9	10.0	8.2	13.2	15.1	19.4	28.2	53.9
87.5°	0.0	0.0	0.6	1.3	1.9	3.1	3.8	3.8	3.8	3.8	3.8
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°	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2.5°	77.1	77.1	76.5	75.9	75.9	74.6	74.6	74.0	74.0	73.4	73.4
5°	92.8	91.6	90.3	88.4	87.8	86.5	85.3	84.0	82.8	82.1	80.9
7.5°	115.4	114.1	110.4	107.9	104.7	102.8	100.3	98.5	96.6	95.3	92.8
10°	145.5	141.1	139.2	130.4	128.6	124.2	120.4	117.9	112.9	109.7	106.6
12.5°	188.1	180.0	176.8	161.8	157.4	151.1	146.7	140.5	134.8	131.1	125.4
15°	236.4	230.1	218.2	203.2	195.0	188.1	177.5	172.5	164.9	156.8	148.6
17.5°	294.1	282.8	269.7	250.2	240.2	229.5	219.5	208.8	196.3	188.8	180.0
20°	361.2	349.3	333.0	308.5	296.6	286.0	268.4	260.9	245.8	230.8	219.5
22.5°	434.6	422.7	407.0	379.4	363.7	346.2	331.7	318.6	301.0	286.0	272.8
25°	517.4	503.6	491.6	459.7	440.2	422.0	406.4	383.2	368.1	350.5	332.4
27.5°	611.4	595.1	579.4	544.3	526.1	506.1	487.3	462.8	448.4	419.5	402.6
30°	708.0	687.9	671.6	635.9	619.6	598.9	573.2	551.2	526.8	507.3	479.7
32.5°	809.6	793.3	780.1	742.5	721.8	696.1	672.9	649.7	628.4	597.0	571.9
35°	918.1	903.6	889.2	856.6	838.4	819.0	792.6	764.4	735.0	702.3	679.8
37.5°	1032.2	1020.9	1009.6	970.1	948.8	928.1	898.0	869.8	843.4	809.0	770.7
40°	1152.0	1141.3	1123.1	1090.5	1067.9	1049.1	1021.5	995.2	959.5	921.2	887.3
42.5°	1302.5	1279.3	1263.6	1227.9	1204.0	1183.3	1158.9	1119.4	1089.3	1043.5	1010.9
45°	1478.7	1456.7	1431.0	1394.7	1365.2	1331.3	1296.8	1269.9	1232.2	1190.9	1148.8
47.5°	1676.9	1659.3	1629.2	1593.5	1564.0	1530.1	1489.4	1454.9	1409.1	1360.8	1303.7
50°	1895.1	1876.9	1856.8	1816.7	1787.2	1755.2	1723.3	1682.5	1641.1	1583.4	1524.5
52.5°	2097.6	2101.4	2089.5	2070.7	2056.2	2023.0	1993.5	1954.7	1918.3	1865.6	1819.8
55°	2297.7	2330.3	2342.8	2361.0	2367.3	2340.3	2339.7	2282.6	2260.7	2230.0	2203.6
57.5°	2561.7	2633.8	2690.9	2801.2	2847.6	2894.7	2903.5	2863.3	2904.7	2851.4	2869.6
60°	2786.2	2918.5	3060.2	3345.6	3488.5	3596.4	3682.9	3746.9	3788.3	3858.5	3862.3
62.5°	2806.3	3014.5	3230.2	3646.6	3842.2	4005.9	4162.0	4271.2	4357.7	4437.3	4456.8
64°	2710.3	2968.0	3230.2	3733.7	3933.8	4115.6	4258.0	4366.5	4454.9	4504.4	4537.0
65°	2536.0	2824.4	3126.1	3676.0	3882.4	4075.5	4211.6	4320.7	4404.1	4453.6	4487.5
67.5°	1878.8	2157.8	2460.7	3101.0	3425.8	3602.7	3777.0	3930.0	3997.1	4059.8	4071.7
70°	1145.1	1347.6	1556.5	2150.3	2451.9	2769.9	2966.2	3190.0	3346.8	3443.4	3475.4
72.5°	691.1	761.3	886.1	1205.3	1494.4	1717.6	1989.1	2203.0	2378.6	2475.8	2524.7
75°	615.2	606.4	622.7	755.7	858.5	992.7	1091.1	1225.3	1333.8	1367.7	1431.0
77.5°	711.1	686.0	660.3	635.2	630.2	617.7	597.6	602.6	555.0	509.2	510.5
80°	633.4	693.6	729.3	703.0	643.4	583.2	509.2	417.0	326.1	269.7	245.8
82.5°	317.9	452.1	581.3	709.2	700.5	647.2	565.6	464.7	360.0	276.5	220.7
85°	97.8	173.7	244.6	339.9	394.4	386.9	339.9	330.5	235.8	183.7	141.7
87.5°	4.4	4.4	4.4	3.8	4.4	4.4	4.4	5.0	5.0	5.6	5.6
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2.5°	73.4	72.7	72.1	71.5	71.5	71.5	70.9	70.9	70.2	70.2	69.6
5°	80.9	79.6	79.0	77.8	77.8	76.5	75.9	75.3	74.0	73.4	72.7
7.5°	90.9	89.7	87.8	85.9	85.3	83.4	81.5	80.3	79.0	77.8	76.5
10°	104.1	101.6	97.8	95.3	93.4	90.9	88.4	86.5	84.0	81.5	80.3
12.5°	121.0	116.0	112.3	107.9	104.1	100.3	95.9	93.4	90.9	87.2	84.7
15°	140.5	135.5	131.1	123.5	117.3	112.3	108.5	102.8	98.5	93.4	89.7
17.5°	173.7	160.5	151.8	144.2	138.0	128.6	121.0	114.8	109.1	102.8	98.5
20°	206.3	195.0	183.1	174.3	160.5	152.4	142.4	133.6	123.5	116.0	108.5
22.5°	254.0	239.6	224.5	211.3	192.5	181.2	168.1	156.8	144.2	131.7	123.5
25°	314.2	292.9	272.8	254.0	236.4	219.5	202.6	184.4	171.2	156.1	142.4
27.5°	377.5	353.7	334.2	309.8	287.2	266.5	245.2	225.8	203.2	183.7	167.4
30°	457.2	424.5	402.0	372.5	349.9	321.1	294.7	269.0	241.4	218.9	195.7
32.5°	538.0	516.1	477.8	452.8	418.9	384.4	356.8	327.3	293.5	264.0	235.8
35°	644.7	607.0	575.0	539.9	502.9	467.2	431.4	389.4	354.9	318.6	284.1
37.5°	738.7	700.5	663.5	617.7	575.7	538.0	494.8	450.9	410.1	366.9	325.5
40°	847.8	800.2	756.3	713.6	661.6	617.1	571.9	517.4	470.3	422.7	373.7
42.5°	967.0	918.7	866.6	817.7	760.7	706.1	650.3	595.7	543.1	485.4	428.3
45°	1097.4	1046.6	988.3	932.5	870.4	810.2	743.7	681.0	618.9	554.4	488.5
47.5°	1259.2	1194.0	1140.1	1070.5	993.3	930.0	848.5	777.0	706.1	630.9	556.9
50°	1468.7	1394.7	1316.9	1239.8	1154.5	1074.2	983.9	899.3	804.6	720.5	635.9
52.5°	1746.5	1691.3	1601.0	1512.6	1408.5	1306.2	1182.1	1072.3	950.7	843.4	740.0
55°	2140.9	2104.5	2026.1	1929.6	1838.6	1689.4	1546.4	1375.8	1217.8	1063.6	918.1
57.5°	2855.2	2815.7	2728.5	2705.3	2565.5	2455.7	2288.3	2067.5	1799.8	1564.0	1328.8
60°	3883.6	3806.5	3721.2	3705.5	3541.2	3425.8	3259.6	3024.5	2772.4	2396.1	2075.7
62.5°	4458.0	4434.8	4365.8	4281.2	4138.8	3967.6	3780.8	3553.1	3297.3	2967.4	2586.1
64°	4535.2	4513.8	4454.3	4358.9	4216.0	4046.0	3839.1	3612.1	3355.6	3054.6	2706.5
65°	4486.9	4456.8	4406.0	4318.2	4185.2	4022.2	3814.0	3583.9	3323.6	3033.9	2710.3
67.5°	4097.4	4083.6	4037.2	3955.7	3872.3	3725.6	3542.5	3336.8	3124.2	2837.0	2571.7
70°	3479.1	3469.1	3410.1	3377.5	3239.6	3146.8	2998.8	2837.0	2648.9	2448.8	2223.1
72.5°	2579.2	2545.4	2497.7	2448.2	2354.7	2227.4	2112.1	1939.6	1842.4	1673.7	1546.4
75°	1367.7	1346.4	1272.4	1168.9	1053.5	993.9	874.2	766.9	681.7	643.4	551.2
77.5°	472.8	430.8	389.4	343.0	272.2	214.5	171.2	136.7	107.9	95.3	79.6
80°	235.8	223.9	210.7	184.4	154.9	124.8	97.8	77.1	63.3	53.9	48.3
82.5°	191.3	169.3	151.1	132.3	106.0	87.2	69.0	56.4	46.4	40.8	35.7
85°	112.9	86.5	65.8	59.6	46.4	40.1	34.5	29.5	25.1	23.8	21.9
87.5°	4.4	5.6	5.6	4.4	5.6	5.0	5.0	4.4	4.4	4.4	4.4
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°	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2.5°	69.6	69.0	69.0	68.4	67.7	67.7	67.7	67.1	65.8	63.3	61.5
5°	72.1	71.5	70.9	69.6	69.0	68.4	67.7	67.7	64.6	60.2	57.1
7.5°	75.3	74.0	72.7	71.5	70.9	69.6	68.4	67.7	63.3	57.7	54.6
10°	78.4	76.5	74.6	74.0	72.1	70.9	69.0	67.7	62.7	55.8	51.4
12.5°	82.1	79.6	77.1	75.3	72.7	71.5	69.6	67.7	61.5	53.9	48.9
15°	86.5	82.8	79.6	77.8	75.3	72.1	69.6	67.7	60.2	52.0	46.4
17.5°	92.2	87.8	84.0	80.3	76.5	73.4	70.9	68.4	58.3	49.5	43.3
20°	101.0	95.3	89.0	84.7	79.6	75.9	71.5	68.4	57.1	47.0	40.8
22.5°	112.9	104.1	97.2	89.7	83.4	78.4	73.4	69.6	55.2	44.5	37.6
25°	129.8	118.5	107.2	97.8	89.7	82.8	76.5	71.5	53.9	42.6	35.7
27.5°	148.6	135.5	120.4	109.1	97.8	87.8	80.9	74.6	53.9	41.4	33.9
30°	175.0	156.1	138.0	123.5	108.5	97.2	87.2	79.0	53.9	40.8	32.0
32.5°	206.9	185.6	162.4	141.7	124.2	107.9	95.3	84.7	55.2	39.5	30.7
35°	251.5	220.1	192.5	166.8	143.6	124.8	108.5	94.1	57.1	38.9	28.8
37.5°	286.6	249.0	213.8	184.4	157.4	134.2	113.5	97.8	55.2	36.4	27.0
40°	328.6	286.0	243.3	206.3	175.6	145.5	121.7	102.8	53.9	33.2	24.5
42.5°	379.4	326.1	276.5	234.5	196.3	160.5	132.3	109.1	53.9	31.4	22.6
45°	427.1	368.7	313.5	260.9	216.3	176.8	142.4	116.0	53.3	29.5	20.1
47.5°	486.0	417.0	352.4	291.6	240.2	191.9	153.0	122.3	52.7	27.6	18.2
50°	555.6	471.6	398.8	326.1	263.4	210.1	165.6	129.2	51.4	25.7	16.3
52.5°	632.7	542.4	449.6	365.6	292.2	229.5	177.5	135.5	49.5	23.8	14.4
55°	769.4	645.3	535.5	431.4	336.1	258.4	195.0	144.9	47.7	21.9	12.5
57.5°	1097.4	891.7	736.2	579.4	442.7	331.7	242.7	171.8	45.2	19.4	10.0
60°	1723.3	1384.0	1120.0	878.6	669.7	509.2	357.4	254.0	48.3	16.3	8.8
62.5°	2210.5	1820.5	1484.3	1181.4	917.4	697.3	520.5	379.4	69.6	14.4	6.9
64°	2337.8	1942.7	1584.0	1266.7	992.1	765.1	580.7	428.9	89.7	14.4	6.3
65°	2356.6	1980.4	1619.8	1298.1	1017.8	783.2	598.2	445.2	97.8	15.1	5.6
67.5°	2278.9	1958.4	1630.4	1311.3	1037.2	808.3	622.1	470.9	110.4	14.4	4.4
70°	1990.4	1754.6	1485.0	1226.6	978.3	768.2	598.2	456.5	115.4	13.8	3.8
72.5°	1354.5	1192.1	1032.8	849.7	681.0	561.3	436.5	321.7	80.9	11.3	3.1
75°	451.5	440.2	393.8	298.5	250.8	203.8	163.0	125.4	30.7	6.9	3.1
77.5°	75.3	64.6	56.4	53.9	45.2	43.9	38.3	30.7	13.2	4.4	3.1
80°	43.9	40.1	35.1	31.4	27.6	24.5	20.7	17.6	8.2	3.1	3.8
82.5°	32.6	28.8	25.7	22.6	19.4	16.9	14.4	11.9	4.4	3.1	3.8
85°	18.8	16.3	14.4	12.5	10.0	8.8	7.5	6.3	3.1	3.1	3.1
87.5°	3.8	3.8	3.1	3.1	3.1	3.1	3.1	2.5	3.1	3.1	2.5
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°	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2.5°	60.2	58.3	57.7	57.7	57.7	57.7	57.7
5°	55.2	53.3	52.0	51.4	51.4	51.4	51.4
7.5°	51.4	48.9	47.7	46.4	46.4	45.8	45.8
10°	47.7	45.2	43.3	42.0	41.4	41.4	41.4
12.5°	44.5	42.0	39.5	38.3	38.3	37.6	37.6
15°	42.0	38.3	36.4	35.1	35.1	34.5	34.5
17.5°	38.9	35.7	33.9	32.6	32.0	32.0	32.0
20°	35.7	32.6	30.7	30.1	29.5	29.5	28.8
22.5°	33.2	30.1	28.2	27.6	27.0	27.0	26.3
25°	30.7	27.6	25.7	25.1	24.5	23.8	23.8
27.5°	28.8	25.7	23.8	22.6	21.9	21.3	21.3
30°	27.0	23.2	21.3	20.1	19.4	18.8	18.8
32.5°	25.1	21.3	18.8	17.6	16.9	16.3	16.3
35°	22.6	18.8	16.3	15.7	15.1	14.4	13.8
37.5°	20.7	16.3	14.4	13.2	12.5	11.9	11.9
40°	18.2	14.4	12.5	11.3	10.0	9.4	9.4
42.5°	16.3	12.5	10.7	8.8	8.2	7.5	7.5
45°	14.4	11.3	8.8	6.9	6.3	5.6	5.6
47.5°	12.5	9.4	6.9	5.6	5.0	4.4	4.4
50°	10.7	7.5	5.0	3.8	4.4	3.8	3.8
52.5°	9.4	5.6	3.8	3.8	3.8	3.8	3.8
55°	7.5	4.4	3.1	3.1	3.8	3.8	3.8
57.5°	6.3	3.1	2.5	3.1	3.1	3.1	3.1
60°	4.4	2.5	2.5	3.1	3.1	3.1	3.1
62.5°	3.8	2.5	2.5	2.5	3.1	3.1	3.1
64°	3.1	2.5	2.5	2.5	3.1	3.1	3.1
65°	3.1	2.5	2.5	2.5	3.1	3.1	3.1
67.5°	3.1	2.5	2.5	2.5	3.1	3.1	3.1
70°	2.5	2.5	2.5	2.5	3.1	3.1	3.1
72.5°	2.5	2.5	2.5	2.5	3.1	3.1	3.1
75°	2.5	2.5	2.5	2.5	3.1	3.1	3.1
77.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
80°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
82.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
85°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
87.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)