

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: P181353

Luminaire Tested: **ICM-F04-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181353
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-F04-LED-E1-T3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4574 lumens
Efficiency: N/A
Efficacy: 44.8 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

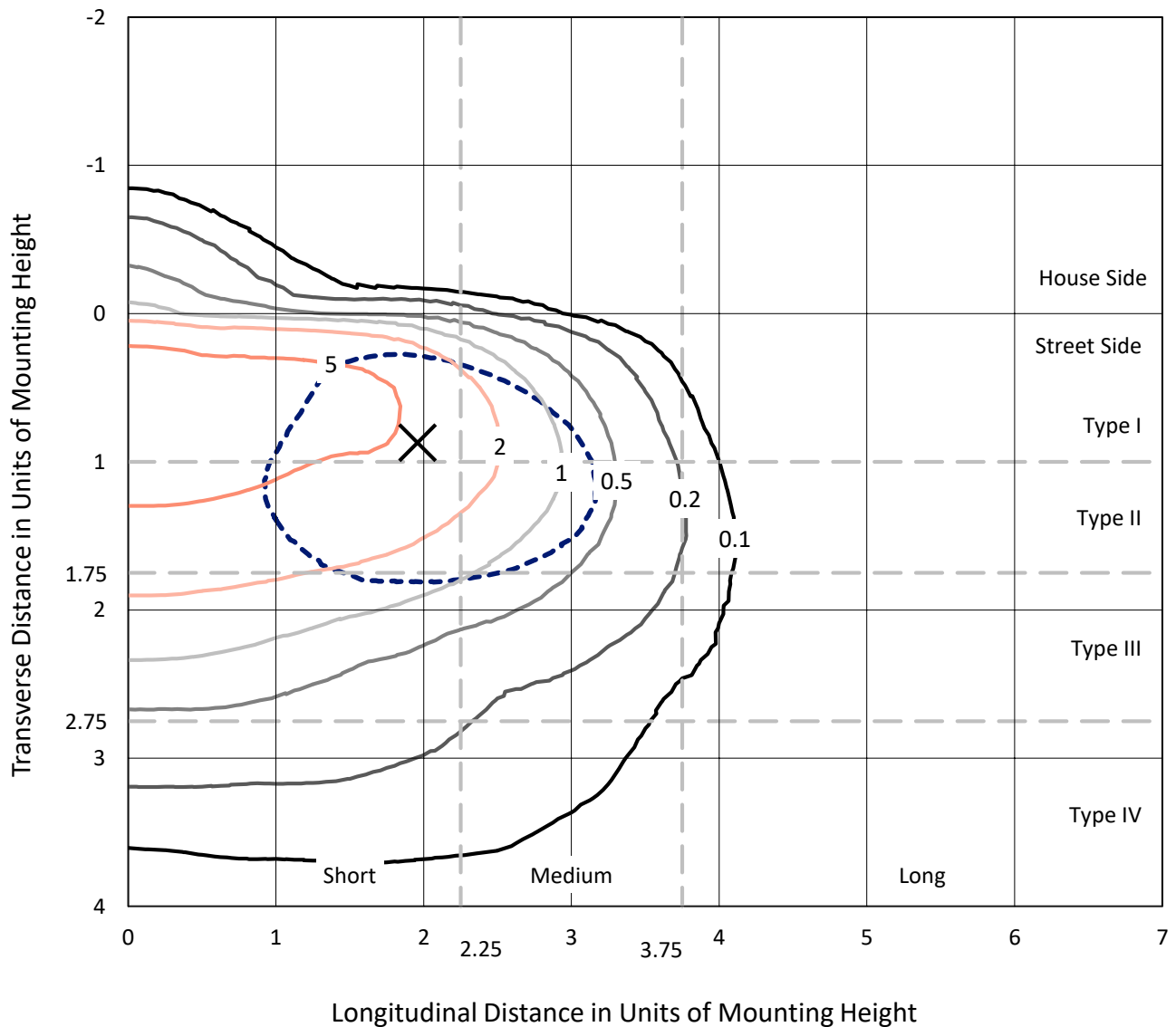
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

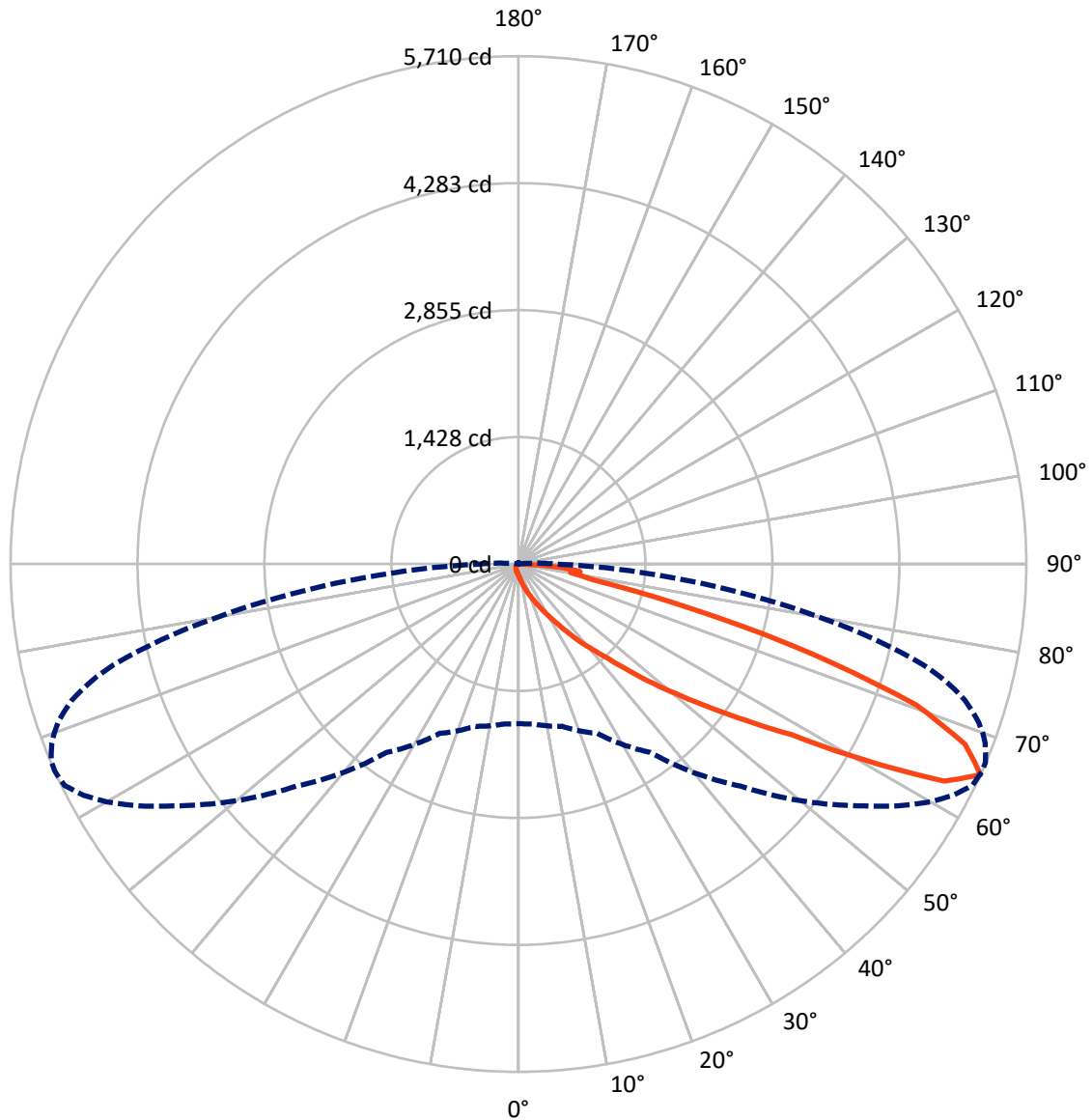
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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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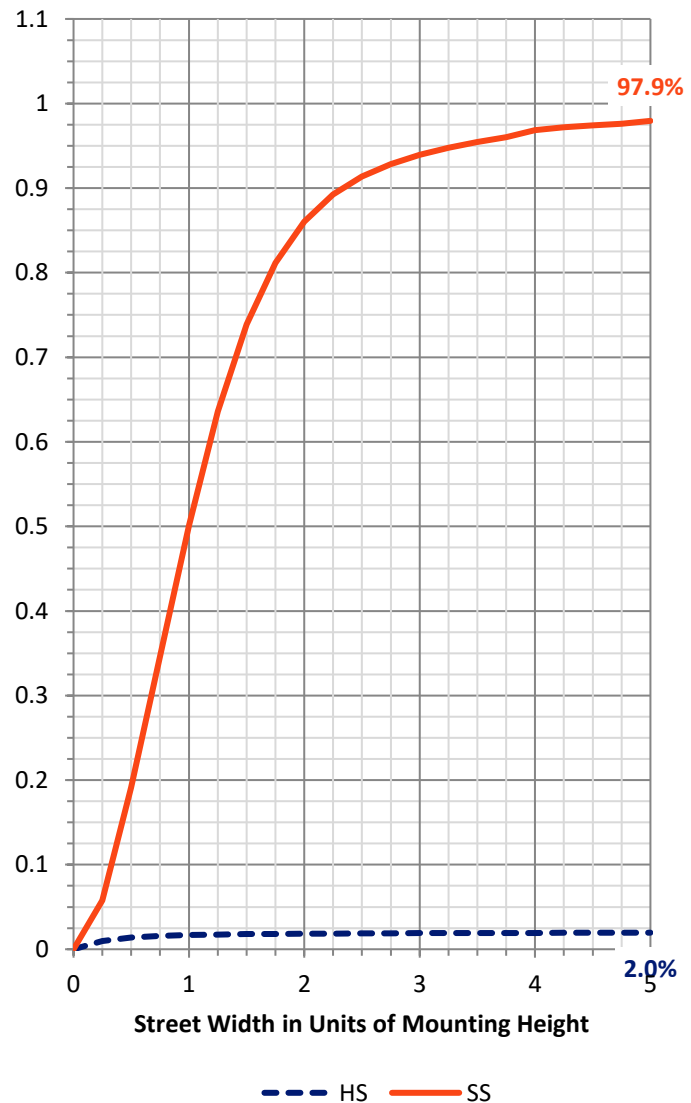
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	91.8	0.0	91.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	4482.1	0.0	4482.1
	% Fixture	98.0	0.0	98.0
Total	Lumens	4574.0	0.0	4574.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.3
10°-20°	74.4	1.6
20°-30°	169.9	3.7
30°-40°	323.2	7.1
40°-50°	648.8	14.2
50°-60°	1147.9	25.1
60°-70°	1499.9	32.8
70°-80°	616.7	13.5
80°-90°	77.7	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°	4574.0	100.0
0°-180°	4574.0	100.0



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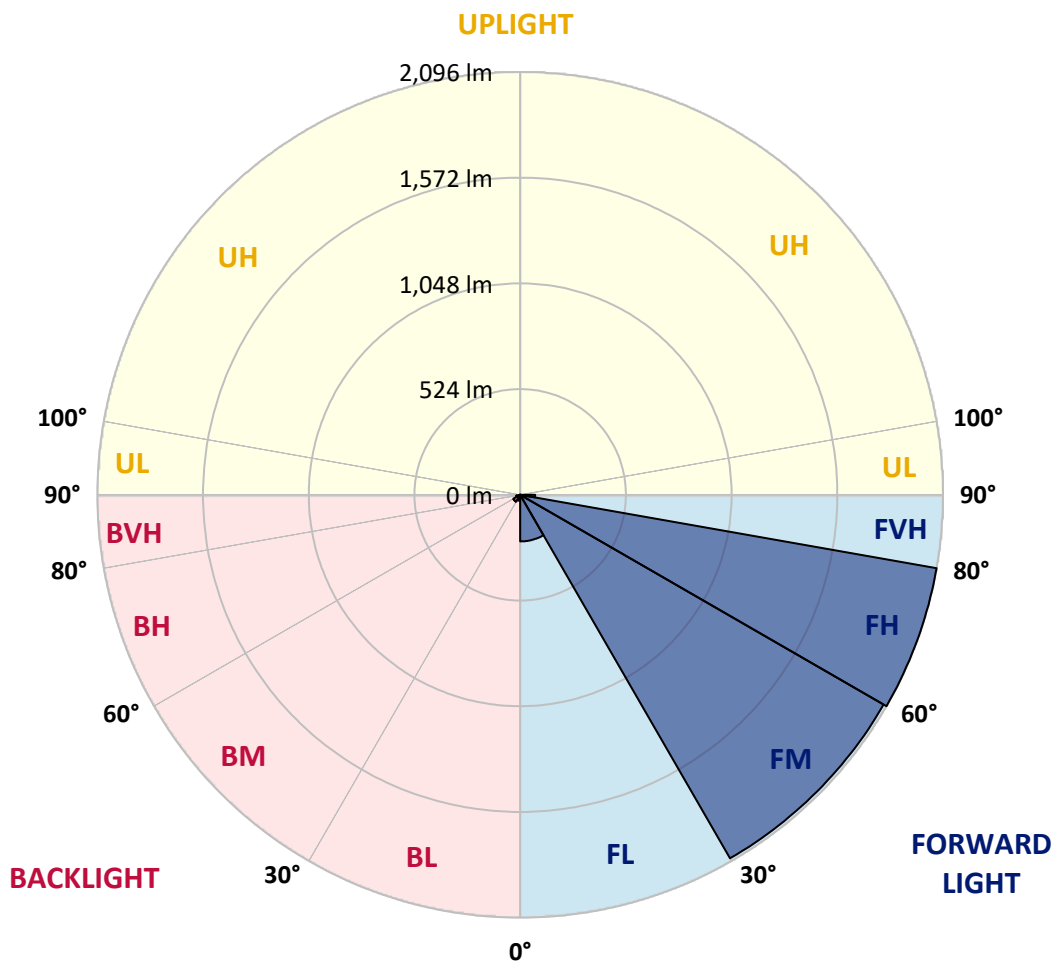
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.1	5.1			
FM	(30°-60°)	2080.6	45.5			
FH	(60°-80°)	2096.2	45.8			G2/5000
FVH	(80°-90°)	74.2	1.6			G1/100
BL	(0°-30°)	28.7	0.6	B0/110		
BM	(30°-60°)	39.3	0.9	B0/220		
BH	(60°-80°)	20.3	0.4	B0/110		G0/110
BVH	(80°-90°)	3.5	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°	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2
2.5°	168.4	165.5	166.4	160.8	157.1	152.5	148.7	147.7	146.8	144.9	145.9
5°	242.2	239.4	232.8	221.7	211.4	195.4	179.5	178.6	175.8	173.0	171.2
7.5°	336.7	332.0	324.5	305.8	280.6	252.5	220.7	217.9	214.1	210.4	206.7
10°	446.0	443.3	429.2	407.7	369.4	323.5	270.2	267.4	259.1	254.3	250.6
12.5°	561.1	548.9	543.4	506.0	462.0	399.4	331.1	320.7	314.2	307.7	298.3
15°	648.1	650.0	636.8	607.0	555.5	482.5	397.5	386.2	376.8	364.7	353.5
17.5°	726.6	722.9	708.8	690.1	641.6	567.6	468.6	453.6	438.6	432.1	416.2
20°	790.2	788.4	777.1	759.4	722.0	650.9	543.4	531.2	514.3	503.2	485.4
22.5°	840.7	840.7	834.1	823.9	787.4	730.4	622.8	609.8	592.9	578.9	559.3
25°	880.9	880.0	880.9	876.3	852.0	799.6	704.2	689.2	675.2	658.3	639.6
27.5°	926.8	928.7	926.8	924.0	913.7	871.6	786.5	776.2	760.3	742.5	723.8
30°	997.9	992.2	991.3	989.4	977.3	951.1	871.6	859.4	847.3	835.2	822.1
32.5°	1072.7	1063.4	1060.5	1060.5	1052.1	1028.8	969.8	963.3	945.5	936.1	924.9
35°	1157.8	1154.1	1150.2	1151.3	1147.4	1123.2	1074.5	1076.4	1070.8	1052.1	1040.8
37.5°	1282.1	1283.1	1276.6	1264.4	1264.4	1242.9	1214.8	1211.1	1197.0	1192.4	1185.9
40°	1459.8	1455.2	1449.6	1431.8	1425.2	1388.8	1362.6	1353.2	1342.0	1341.0	1333.6
42.5°	1665.6	1660.0	1660.0	1646.9	1633.8	1589.9	1540.3	1533.7	1521.6	1525.3	1522.5
45°	1856.4	1861.0	1867.5	1876.9	1878.8	1860.1	1788.1	1779.6	1773.1	1769.4	1766.6
47.5°	2020.9	2029.4	2050.9	2091.1	2142.5	2149.0	2092.0	2069.6	2064.9	2058.3	2052.8
50°	2138.8	2150.9	2199.5	2278.2	2378.2	2439.9	2409.0	2390.3	2389.4	2371.6	2369.8
52.5°	2206.2	2219.2	2298.7	2417.5	2572.7	2693.3	2731.7	2730.7	2728.9	2712.9	2706.4
55°	2221.0	2235.1	2330.5	2492.3	2714.0	2922.4	3069.3	3073.0	3081.4	3076.8	3076.8
57.5°	2179.9	2197.7	2301.5	2501.6	2787.8	3103.9	3424.7	3446.2	3456.5	3493.0	3535.0
60°	2104.2	2117.3	2221.0	2444.6	2800.9	3269.4	3886.6	3954.9	4008.2	4080.2	4148.5
62.5°	1963.9	1990.1	2089.2	2332.4	2761.6	3460.2	4438.4	4564.7	4668.5	4777.9	4909.8
65°	1793.7	1804.9	1889.1	2101.4	2585.8	3533.1	4743.3	4866.7	4999.6	5116.4	5234.3
67.5°	1580.5	1589.9	1662.8	1753.5	2134.2	3191.8	4443.1	4579.7	4699.4	4795.7	4950.0
70°	1035.3	1055.8	1234.4	1324.2	1491.6	2359.5	3633.2	3765.0	3856.8	3922.2	4100.8
72.5°	758.4	771.5	843.5	1028.8	1069.9	1394.3	2556.9	2699.9	2733.6	2857.0	2940.2
75°	462.9	495.6	658.3	880.9	1042.7	954.8	1531.8	1601.0	1678.7	1768.5	1847.9
77.5°	93.5	106.6	215.1	607.0	917.4	1020.3	914.6	927.7	966.1	974.4	1004.4
80°	15.0	15.9	28.1	261.9	531.2	824.8	914.6	902.4	880.9	866.0	851.0
82.5°	6.5	7.4	12.2	66.4	113.1	275.0	791.2	852.9	924.0	963.3	973.5
85°	2.8	2.8	4.7	13.1	16.8	18.7	133.8	176.7	315.2	419.0	482.5
87.5°	1.9	1.9	2.8	2.8	3.7	4.7	6.5	6.5	7.4	8.4	12.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2
2.5°	145.9	144.9	144.9	142.1	142.1	141.2	141.2	140.3	140.3	138.4	139.3
5°	170.2	168.4	166.4	163.6	162.7	160.8	159.0	156.2	155.3	153.4	152.5
7.5°	203.0	201.0	197.3	191.7	188.0	184.2	180.5	176.7	174.0	171.2	169.3
10°	243.2	237.6	235.6	224.5	219.8	212.3	207.6	203.9	198.2	193.6	190.8
12.5°	291.8	287.1	277.8	262.8	255.4	248.7	240.4	232.8	227.3	218.8	213.2
15°	342.2	338.5	325.5	308.7	299.3	287.1	278.7	271.2	259.1	253.4	243.2
17.5°	405.9	394.6	381.6	357.2	345.1	334.8	319.8	308.7	301.1	284.3	275.0
20°	471.4	459.2	442.3	415.3	398.4	382.5	370.3	355.4	339.4	328.3	312.4
22.5°	546.1	526.5	513.4	479.7	460.1	443.3	422.7	406.8	390.9	373.1	355.4
25°	625.7	606.1	590.1	551.7	531.2	514.3	490.0	467.6	448.0	428.3	407.7
27.5°	708.8	691.1	673.3	634.1	616.3	592.9	570.4	544.3	519.1	501.3	473.2
30°	805.2	790.2	770.6	728.5	708.8	684.6	661.2	630.3	606.1	581.7	554.6
32.5°	909.0	896.8	876.3	838.9	815.4	794.9	769.7	739.7	705.1	679.9	648.1
35°	1035.3	1014.7	1002.5	967.0	949.2	926.8	900.6	874.4	838.0	802.4	775.3
37.5°	1179.3	1170.0	1154.1	1120.4	1107.3	1083.9	1067.1	1040.8	1012.8	967.9	938.9
40°	1327.1	1320.5	1306.4	1272.8	1259.7	1243.8	1224.2	1198.9	1165.2	1141.9	1098.9
42.5°	1515.0	1504.8	1493.5	1461.7	1436.5	1416.8	1408.4	1386.9	1351.4	1321.4	1287.7
45°	1753.5	1748.8	1733.9	1702.1	1676.8	1663.7	1650.6	1614.1	1590.8	1560.8	1537.5
47.5°	2041.5	2026.5	2019.1	1983.5	1975.1	1964.8	1931.2	1910.6	1876.9	1853.6	1824.6
50°	2352.9	2337.0	2338.0	2295.0	2296.9	2289.3	2264.1	2239.8	2210.8	2190.2	2172.5
52.5°	2687.7	2695.2	2676.5	2689.6	2674.6	2657.8	2653.1	2623.2	2598.0	2597.0	2572.7
55°	3099.2	3087.1	3091.7	3104.9	3084.3	3103.0	3093.6	3055.3	3056.2	3063.6	3035.6
57.5°	3541.6	3559.4	3597.7	3606.1	3641.6	3617.3	3681.0	3635.1	3663.2	3663.2	3644.5
60°	4190.6	4261.7	4354.3	4426.3	4492.7	4471.2	4554.4	4502.0	4539.4	4507.7	4491.7
62.5°	4972.4	5066.8	5176.3	5293.1	5360.5	5377.3	5365.1	5388.6	5352.1	5328.7	5267.9
65°	5348.4	5441.9	5537.2	5677.5	5696.2	5710.3	5704.7	5665.4	5620.5	5554.1	5474.6
67.5°	5036.0	5166.9	5220.2	5382.0	5436.3	5416.6	5423.2	5372.7	5302.5	5237.1	5120.2
70°	4175.7	4325.2	4353.3	4585.2	4649.8	4743.3	4709.6	4694.6	4618.0	4562.8	4433.7
72.5°	3040.3	3157.2	3147.8	3408.8	3397.5	3435.9	3526.6	3522.9	3442.4	3424.7	3316.2
75°	1871.4	1941.5	1937.7	2122.9	2045.2	2034.1	2059.3	2048.1	1972.3	1893.8	1826.4
77.5°	991.3	1023.1	989.4	934.2	928.7	866.0	848.2	847.3	789.3	718.2	665.9
80°	835.2	802.4	763.1	682.7	635.9	593.9	554.6	518.0	478.8	426.4	362.9
82.5°	975.4	959.5	931.4	830.4	781.9	697.7	635.0	576.1	504.1	449.9	368.5
85°	475.1	474.1	496.6	486.3	468.6	464.7	403.1	390.0	361.0	331.1	276.8
87.5°	13.1	9.4	11.3	9.4	11.3	12.2	8.4	19.6	12.2	11.3	13.1
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2
2.5°	138.4	137.5	136.6	136.6	135.6	135.6	134.7	133.8	133.8	132.8	132.8
5°	150.6	148.7	147.7	146.8	144.9	144.0	142.1	141.2	139.3	138.4	136.6
7.5°	165.5	163.6	159.9	158.0	155.3	154.3	149.7	147.7	145.9	144.0	141.2
10°	184.2	179.5	175.8	172.1	167.4	163.6	159.9	157.1	153.4	148.7	146.8
12.5°	207.6	201.0	195.4	188.9	183.3	177.7	171.2	166.4	160.8	156.2	151.5
15°	233.8	224.5	216.9	207.6	198.2	191.7	185.2	178.6	171.2	164.6	159.0
17.5°	263.7	251.5	241.3	230.0	219.8	210.4	199.2	190.8	182.3	173.0	165.5
20°	295.5	283.4	269.3	257.2	242.2	231.9	217.9	206.7	194.5	185.2	174.9
22.5°	337.6	321.7	303.9	287.1	271.2	255.4	240.4	226.3	211.4	197.3	187.1
25°	387.2	367.5	345.1	328.3	305.8	288.0	269.3	251.5	235.6	217.9	201.0
27.5°	448.9	422.7	398.4	375.0	350.7	328.3	303.9	283.4	261.9	241.3	222.6
30°	520.9	495.6	459.2	433.0	408.7	377.9	353.5	326.4	302.0	272.1	251.5
32.5°	616.3	583.5	545.2	510.6	478.8	444.2	410.5	375.9	344.2	317.0	286.1
35°	740.7	702.3	656.5	612.6	577.0	534.9	491.9	452.7	416.2	376.8	338.5
37.5°	897.8	862.2	812.7	759.4	711.7	661.2	616.3	561.1	512.5	464.7	416.2
40°	1054.0	1021.2	969.8	912.7	851.0	793.0	736.0	673.3	611.6	551.7	501.3
42.5°	1246.6	1198.0	1142.8	1078.2	1018.4	949.2	878.1	806.1	732.3	660.3	588.2
45°	1488.8	1451.5	1373.8	1304.6	1233.5	1152.2	1064.3	982.0	887.5	802.4	707.0
47.5°	1783.5	1716.1	1659.0	1595.5	1506.6	1428.0	1315.8	1218.5	1100.8	987.5	873.5
50°	2131.3	2093.9	2018.2	1938.6	1842.3	1748.8	1639.4	1499.1	1357.9	1237.2	1081.1
52.5°	2538.2	2484.8	2437.1	2354.8	2256.6	2136.9	2012.6	1860.1	1687.1	1516.8	1350.4
55°	3020.7	2983.3	2937.4	2872.0	2746.6	2611.1	2461.4	2279.1	2074.2	1845.1	1651.5
57.5°	3643.5	3604.2	3560.3	3425.6	3340.5	3174.1	2957.0	2768.2	2547.5	2253.8	2013.5
60°	4493.6	4440.3	4378.5	4269.1	4091.5	3875.5	3642.5	3362.9	3092.7	2771.9	2456.8
62.5°	5220.2	5135.1	5003.3	4862.1	4648.9	4401.1	4108.3	3779.1	3471.5	3110.4	2759.7
65°	5369.9	5253.0	5097.7	4913.5	4693.7	4414.1	4108.3	3793.1	3431.2	3091.7	2739.2
67.5°	4980.9	4845.2	4686.3	4480.5	4271.0	3983.0	3719.3	3398.4	3058.1	2764.4	2449.2
70°	4341.1	4140.1	3977.3	3758.5	3546.3	3319.9	3042.2	2801.9	2525.0	2254.7	2013.5
72.5°	3260.1	3061.8	2914.1	2739.2	2612.9	2373.5	2169.7	1990.1	1826.4	1624.4	1445.8
75°	1757.2	1608.6	1509.4	1429.9	1316.8	1158.7	1061.4	938.0	868.7	784.7	703.3
77.5°	573.3	505.0	431.2	359.1	308.7	231.9	224.5	178.6	168.4	163.6	126.2
80°	293.7	226.3	163.6	117.9	89.8	79.5	75.7	72.0	68.3	65.5	60.7
82.5°	294.6	213.2	146.8	102.0	73.9	61.8	58.0	56.1	53.3	50.5	46.8
85°	215.1	159.0	109.4	74.8	51.4	41.1	39.3	36.5	34.6	33.7	30.0
87.5°	14.0	10.3	9.4	8.4	8.4	8.4	9.4	8.4	9.4	9.4	8.4
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°	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2
2.5°	131.9	130.9	130.9	130.0	129.0	129.0	128.1	128.1	125.3	120.7	116.9
5°	135.6	133.8	132.8	131.9	130.9	129.0	128.1	127.2	122.5	113.1	105.7
7.5°	138.4	136.6	135.6	133.8	130.9	130.0	128.1	126.2	118.8	105.7	97.3
10°	143.1	140.3	137.5	134.7	131.9	130.0	127.2	125.3	114.0	99.2	90.7
12.5°	147.7	144.0	140.3	135.6	132.8	130.0	127.2	123.4	110.3	93.5	84.2
15°	153.4	147.7	143.1	138.4	133.8	130.0	125.3	122.5	106.6	88.8	80.5
17.5°	159.0	152.5	145.9	139.3	134.7	129.0	125.3	120.7	102.9	85.1	75.7
20°	165.5	156.2	149.7	142.1	135.6	129.0	123.4	118.8	99.2	80.5	71.1
22.5°	174.9	163.6	153.4	144.9	136.6	130.0	123.4	116.9	95.3	76.7	67.3
25°	187.1	173.0	160.8	150.6	140.3	131.9	124.4	117.9	92.6	73.9	62.7
27.5°	204.8	187.1	174.0	159.9	146.8	136.6	127.2	119.7	90.7	71.1	59.8
30°	226.3	208.6	188.0	171.2	157.1	143.1	132.8	121.6	88.8	68.3	56.1
32.5°	258.1	232.8	208.6	188.0	168.4	152.5	137.5	126.2	87.9	63.6	52.4
35°	303.9	269.3	240.4	213.2	186.1	166.4	148.7	133.8	87.0	59.8	48.7
37.5°	369.4	328.3	290.9	252.5	218.8	190.8	166.4	146.8	87.0	57.0	44.9
40°	439.5	386.2	338.5	290.9	247.8	212.3	179.5	155.3	85.1	53.3	41.1
42.5°	519.1	453.6	388.1	329.2	275.9	230.0	191.7	161.8	80.5	49.6	37.4
45°	625.7	539.6	461.0	385.3	316.1	256.3	207.6	169.3	75.7	46.8	33.7
47.5°	759.4	659.4	557.4	462.0	371.3	295.5	231.0	181.4	72.9	43.0	30.9
50°	958.6	816.4	681.8	560.2	445.1	346.0	265.6	199.2	70.1	40.2	28.1
52.5°	1177.4	1002.5	844.5	688.3	545.2	414.3	305.8	222.6	67.3	37.4	25.2
55°	1443.9	1228.8	1036.2	833.2	650.0	493.8	355.4	248.7	63.6	34.6	23.3
57.5°	1773.1	1500.9	1272.8	1024.9	794.9	596.7	421.8	292.7	59.8	30.9	20.6
60°	2140.7	1832.9	1545.9	1255.0	976.4	733.2	520.0	355.4	56.1	27.2	17.8
62.5°	2405.3	2067.7	1739.5	1413.0	1107.3	835.2	599.4	404.0	50.5	23.3	15.9
65°	2402.5	2060.2	1730.2	1408.4	1111.0	838.9	602.2	413.4	44.9	20.6	14.0
67.5°	2140.7	1852.6	1558.1	1269.0	1009.0	763.1	557.4	383.4	38.3	18.7	12.2
70°	1760.9	1531.8	1299.0	1069.9	861.3	653.7	481.6	333.9	32.7	16.8	10.3
72.5°	1285.9	1118.5	976.4	814.5	672.4	516.2	384.4	261.9	26.1	14.0	9.4
75°	638.7	571.4	490.0	439.5	375.0	306.7	238.5	152.5	21.5	11.3	8.4
77.5°	121.6	108.5	103.8	89.8	82.3	72.9	64.6	45.9	16.8	8.4	7.4
80°	56.1	51.4	46.8	42.0	37.4	31.8	28.1	24.3	13.1	6.5	8.4
82.5°	44.0	40.2	35.5	31.8	28.1	24.3	20.6	17.8	8.4	5.6	8.4
85°	29.0	25.2	22.4	19.6	16.8	15.0	13.1	11.3	5.6	5.6	5.6
87.5°	8.4	8.4	7.4	7.4	6.5	6.5	5.6	5.6	4.7	4.7	4.7
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):

	125°	135°	145°	155°	165°	175°	180°
0°	127.2	127.2	127.2	127.2	127.2	127.2	127.2
2.5°	113.1	108.5	106.6	105.7	105.7	106.6	105.7
5°	100.1	95.3	93.5	91.6	91.6	91.6	92.6
7.5°	91.6	87.0	84.2	83.3	82.3	83.3	83.3
10°	84.2	80.5	76.7	74.8	74.8	74.8	74.8
12.5°	78.5	73.9	70.1	69.2	68.3	68.3	68.3
15°	73.9	68.3	65.5	63.6	62.7	62.7	63.6
17.5°	68.3	63.6	59.8	58.9	58.9	58.9	58.9
20°	64.6	58.9	56.1	54.2	54.2	54.2	54.2
22.5°	59.8	55.2	51.4	49.6	49.6	49.6	49.6
25°	56.1	51.4	47.7	45.9	45.9	45.9	45.9
27.5°	52.4	47.7	44.0	42.0	42.0	42.0	42.0
30°	48.7	44.0	40.2	38.3	38.3	38.3	38.3
32.5°	45.9	40.2	36.5	34.6	34.6	35.5	34.6
35°	41.1	36.5	32.7	30.9	30.9	30.9	30.9
37.5°	37.4	32.7	29.0	27.2	27.2	27.2	26.1
40°	34.6	29.0	25.2	23.3	22.4	22.4	22.4
42.5°	30.0	24.3	21.5	19.6	18.7	18.7	18.7
45°	27.2	21.5	17.8	15.9	15.9	15.9	15.9
47.5°	24.3	18.7	15.0	13.1	13.1	14.0	14.0
50°	21.5	15.9	12.2	12.2	12.2	13.1	13.1
52.5°	18.7	14.0	11.3	11.3	12.2	13.1	13.1
55°	16.8	12.2	10.3	11.3	12.2	13.1	13.1
57.5°	15.0	10.3	10.3	11.3	12.2	13.1	13.1
60°	13.1	9.4	9.4	10.3	12.2	13.1	13.1
62.5°	11.3	9.4	9.4	10.3	12.2	13.1	13.1
65°	10.3	9.4	9.4	10.3	12.2	13.1	13.1
67.5°	9.4	8.4	9.4	10.3	11.3	12.2	12.2
70°	8.4	8.4	9.4	10.3	11.3	12.2	12.2
72.5°	8.4	8.4	8.4	9.4	10.3	11.3	11.3
75°	8.4	8.4	8.4	9.4	10.3	11.3	11.3
77.5°	8.4	7.4	7.4	8.4	10.3	11.3	11.3
80°	8.4	7.4	7.4	8.4	9.4	11.3	11.3
82.5°	6.5	6.5	7.4	8.4	9.4	10.3	10.3
85°	5.6	6.5	6.5	7.4	8.4	10.3	10.3
87.5°	4.7	4.7	5.6	6.5	7.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)