

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: P180811

Luminaire Tested: **ICM-F06-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180811
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-SL4-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7912.9 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

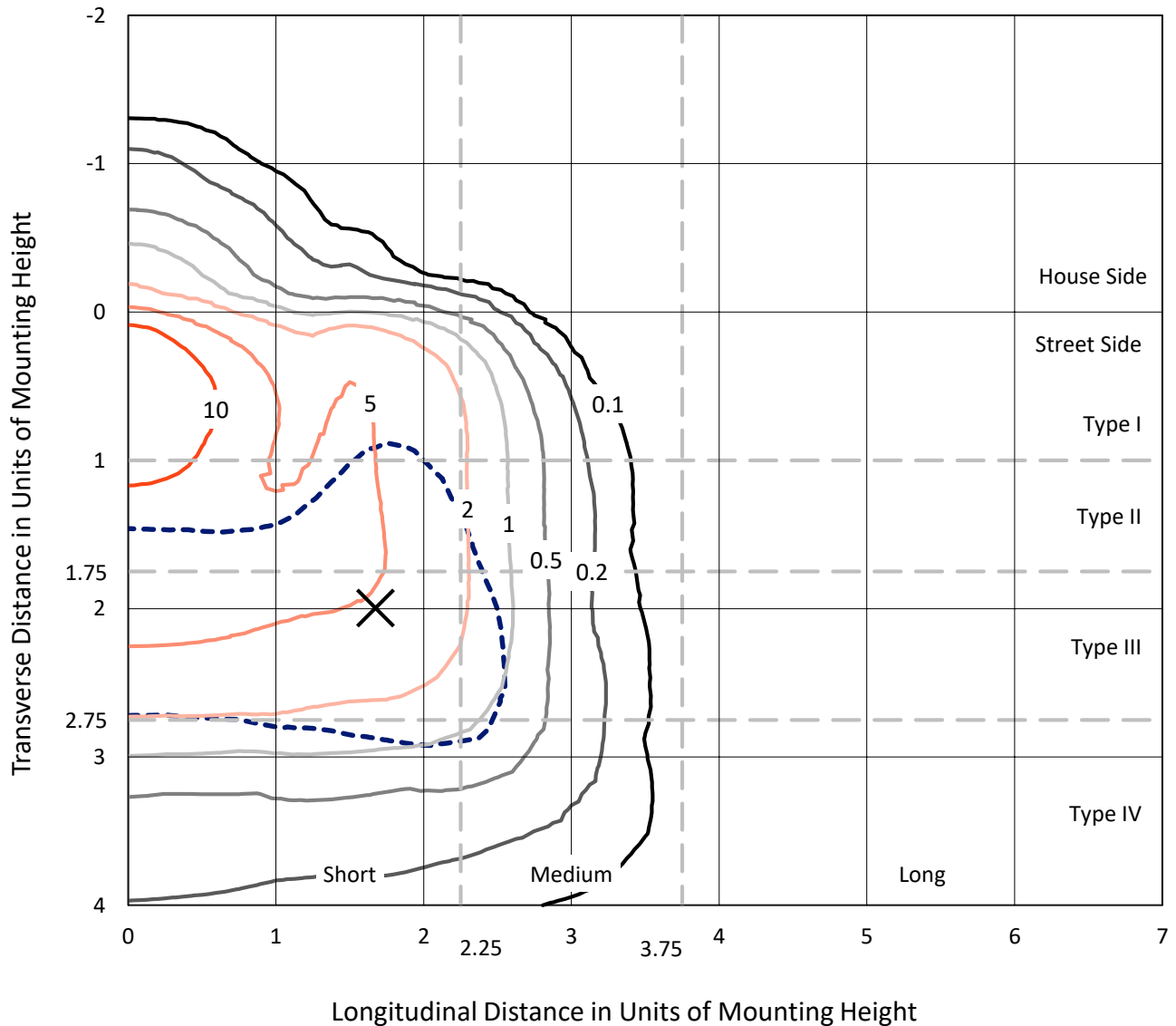
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

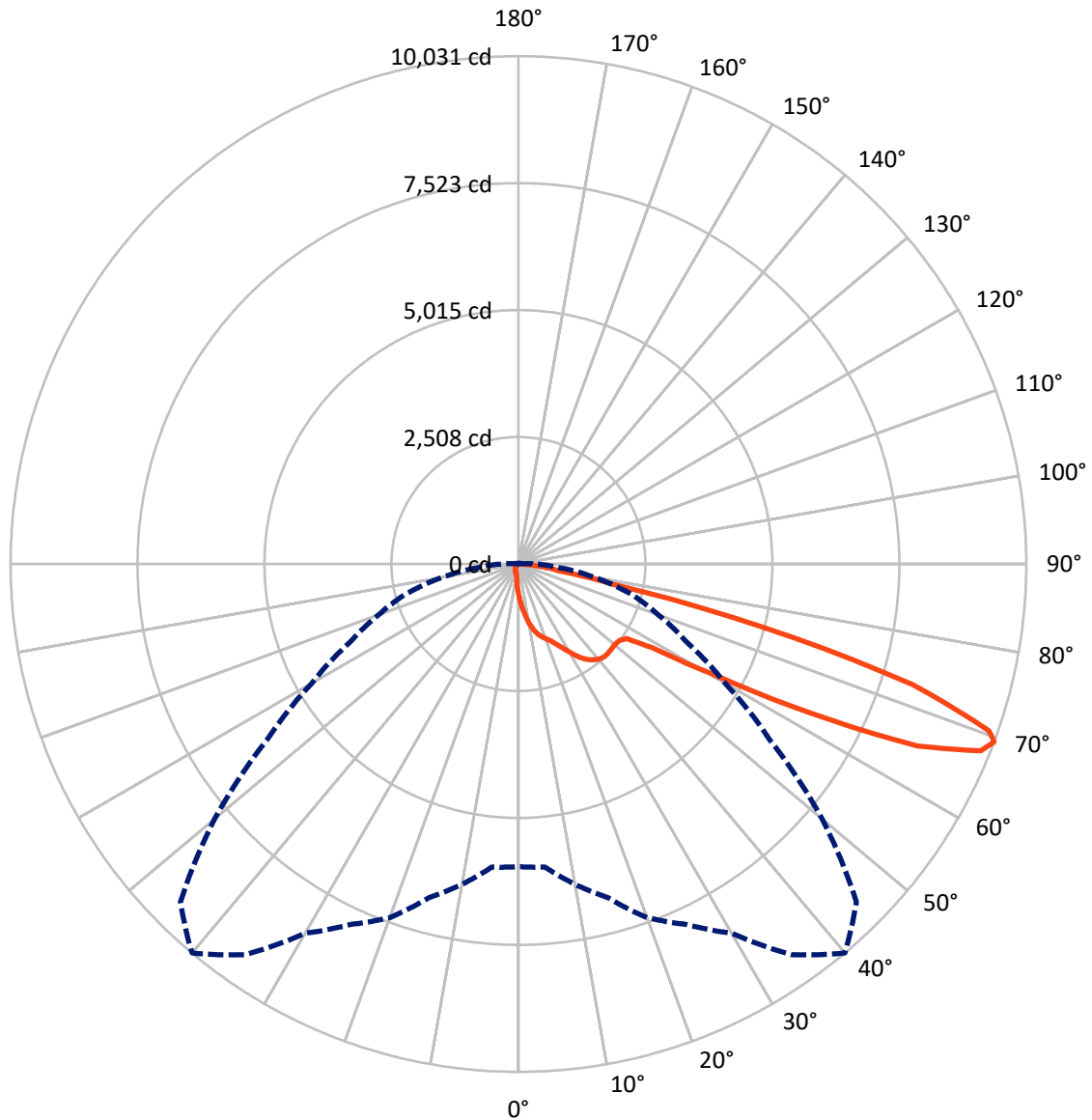


Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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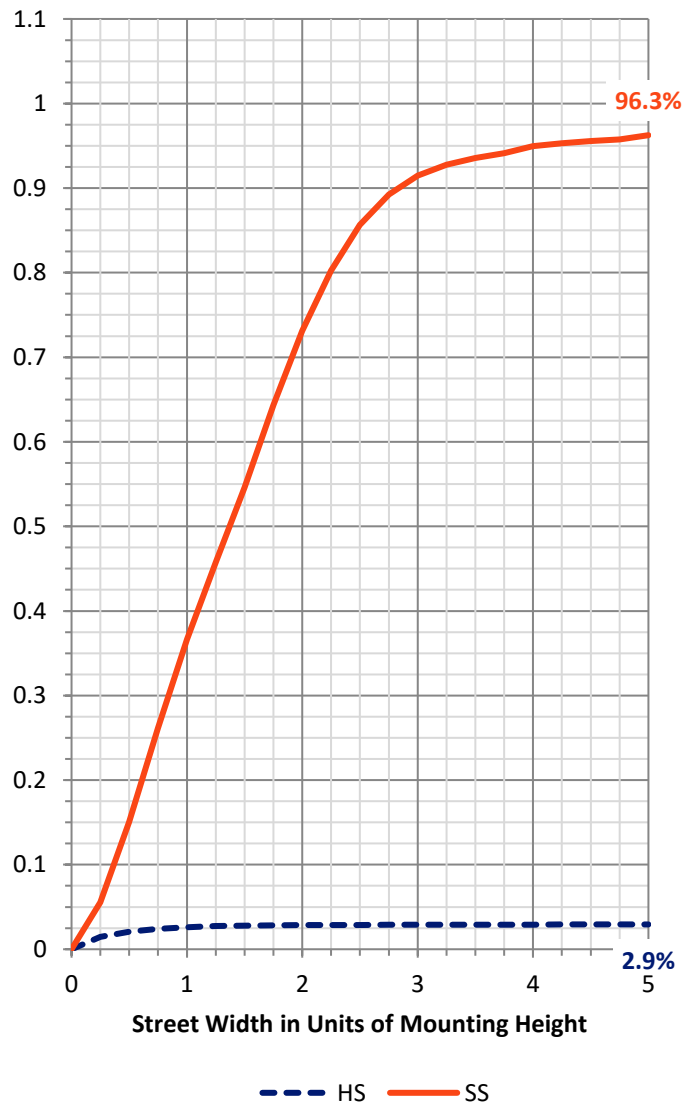
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	235.6	0.0	235.6
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	7677.3	0.0	7677.3
	% Fixture	97.0	0.0	97.0
Total	Lumens	7912.9	0.0	7912.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	0.8
10°-20°	211.8	2.7
20°-30°	405.3	5.1
30°-40°	674.0	8.5
40°-50°	912.1	11.5
50°-60°	1426.4	18.0
60°-70°	2932.7	37.1
70°-80°	1180.0	14.9
80°-90°	109.2	1.4
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°	7912.9	100.0
0°-180°	7912.9	100.0



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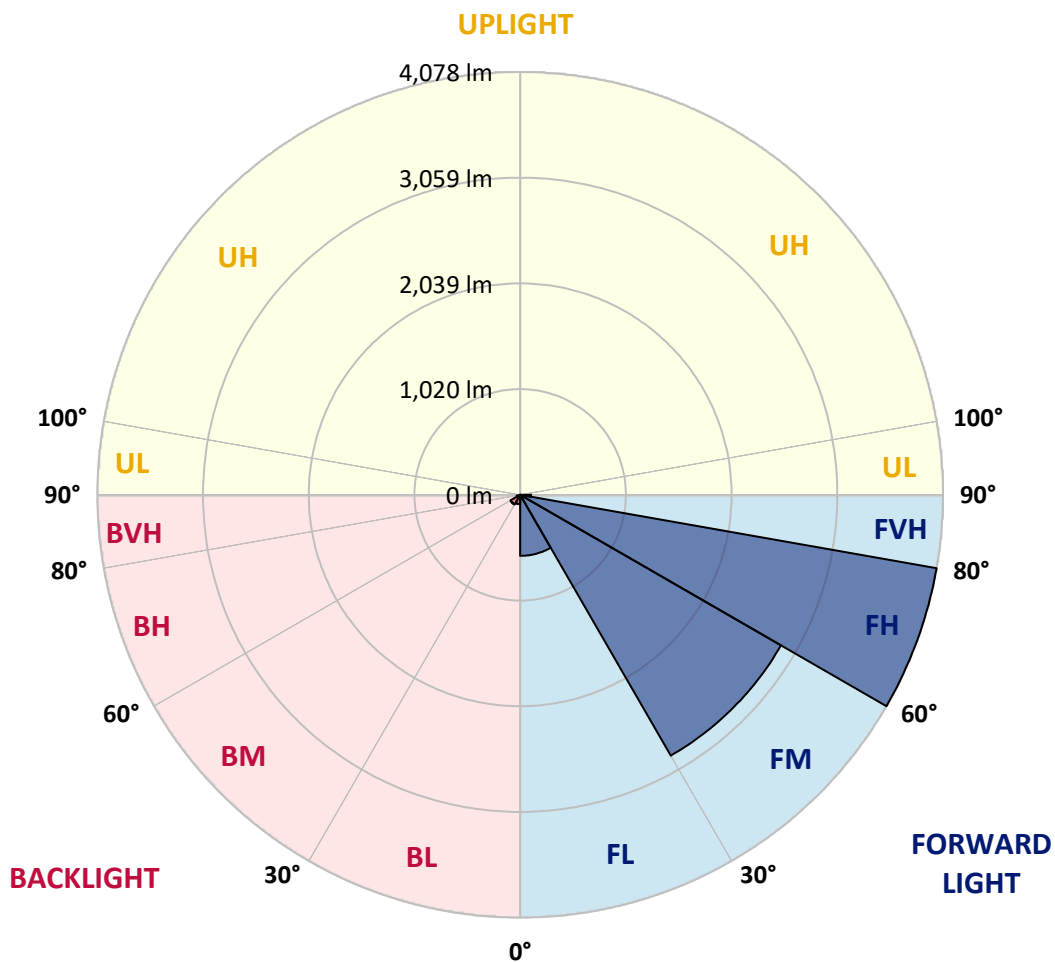
CATALOG NUMBER: ICM-F06-LED-E1-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.9	7.4			
FM (30°-60°)	2905.0	36.7			
FH (60°-80°)	4078.3	51.5			G2/5000
FVH (80°-90°)	105.1	1.3			G2/225
BL (0°-30°)	89.6	1.1	B0/110		
BM (30°-60°)	107.6	1.4	B0/220		
BH (60°-80°)	34.3	0.4	B0/110		G0/110
BVH (80°-90°)	4.1	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6
2.5°	797.2	788.1	777.8	777.8	764.7	764.7	757.0	736.3	733.7	722.1	710.3
5°	1017.6	1009.8	996.8	985.1	974.8	956.7	943.6	919.1	891.8	865.9	842.6
7.5°	1232.8	1228.8	1205.5	1201.6	1184.8	1155.0	1129.0	1092.8	1046.1	1009.8	967.0
10°	1432.4	1423.3	1418.1	1396.1	1371.5	1339.1	1298.9	1254.8	1200.4	1143.3	1082.3
12.5°	1590.5	1585.3	1562.0	1552.9	1527.0	1494.6	1444.0	1387.0	1332.6	1258.7	1187.4
15°	1708.5	1699.4	1683.8	1669.6	1638.4	1610.0	1563.3	1501.0	1435.0	1354.6	1269.0
17.5°	1807.0	1790.2	1786.2	1764.2	1731.8	1698.1	1646.2	1589.2	1511.5	1431.1	1337.8
20°	1939.2	1915.9	1908.1	1875.7	1838.1	1791.5	1731.8	1660.5	1578.8	1490.7	1394.8
22.5°	2094.7	2077.9	2061.0	2032.6	1984.6	1918.4	1831.6	1753.9	1650.1	1552.9	1449.2
25°	2315.1	2300.9	2273.6	2234.7	2175.1	2096.0	1991.1	1876.9	1755.2	1630.7	1508.8
27.5°	2529.0	2516.0	2496.6	2466.8	2399.4	2312.6	2182.9	2037.7	1883.5	1733.1	1598.2
30°	2730.0	2718.2	2698.8	2669.0	2609.4	2523.8	2377.3	2221.8	2030.0	1855.0	1692.9
32.5°	2946.4	2942.5	2920.5	2877.7	2825.9	2710.4	2551.1	2383.8	2189.4	1987.2	1797.9
35°	3191.4	3161.6	3140.9	3098.1	3009.9	2886.8	2700.1	2517.3	2312.6	2105.1	1893.9
37.5°	3398.8	3370.3	3344.4	3289.9	3182.3	3025.5	2814.2	2613.2	2402.0	2190.7	1975.5
40°	3550.4	3536.2	3505.0	3433.8	3313.2	3126.6	2898.4	2679.4	2466.8	2254.2	2041.6
42.5°	3663.2	3641.2	3606.2	3532.3	3389.7	3177.1	2932.1	2706.6	2496.6	2293.1	2084.4
45°	3704.7	3686.5	3654.2	3573.8	3419.6	3191.4	2930.8	2698.8	2497.9	2304.8	2112.9
47.5°	3680.1	3662.0	3633.4	3558.3	3406.5	3174.5	2907.6	2676.8	2484.9	2308.7	2138.8
50°	3598.4	3588.0	3566.0	3502.5	3366.3	3142.2	2886.8	2665.1	2482.3	2328.1	2175.1
52.5°	3590.6	3584.1	3557.0	3493.4	3354.7	3131.7	2884.2	2671.6	2504.4	2352.8	2201.0
55°	4387.8	4295.8	4089.7	3914.7	3626.9	3284.8	3015.1	2776.6	2597.7	2450.0	2343.6
57.5°	6236.3	6098.9	5827.9	5494.8	4833.8	4184.3	3664.5	3288.6	3103.3	3035.8	3076.0
60°	7102.2	7077.6	7034.8	6876.7	6538.4	5979.7	5357.4	4684.7	4415.1	4391.7	4473.4
62.5°	7513.2	7497.5	7510.6	7491.1	7386.1	7222.7	7043.9	6753.5	6486.5	6314.1	5948.5
65°	7702.4	7712.8	7786.7	7845.0	7857.9	7900.7	8031.6	8393.3	8657.7	8213.1	7198.1
67.5°	7221.4	7282.4	7452.2	7664.8	7913.6	8154.7	8543.7	9305.8	9849.0	9326.6	7885.2
69°	5978.4	6008.1	6422.9	6823.5	7431.5	7856.6	8420.5	9420.0	10030.5	9440.7	7830.7
70°	4706.7	4734.0	5178.5	5723.0	6750.9	7297.9	8035.5	9226.8	9860.6	9289.0	7550.7
72.5°	2123.3	2084.4	2241.2	2532.9	3650.3	4518.7	5808.5	7475.5	8135.3	7441.8	5649.1
75°	1482.9	1466.1	1482.9	1484.2	1657.9	2138.8	2698.8	4052.1	5011.4	4324.3	2698.8
77.5°	1148.5	1136.8	1125.1	1112.2	1132.9	1269.0	1323.4	1437.6	1866.6	1765.5	1029.2
80°	908.7	898.3	926.8	917.8	917.8	933.3	923.0	880.2	799.8	741.5	663.7
82.5°	422.6	425.2	425.2	461.5	556.1	649.4	679.3	636.5	565.2	480.9	387.5
85°	40.2	45.4	76.5	118.0	234.6	264.5	265.8	220.4	220.4	173.7	140.0
87.5°	0.0	1.3	1.3	1.3	11.6	32.4	27.3	7.8	3.9	3.9	6.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6
2.5°	689.6	685.7	670.1	654.6	640.4	624.8	610.5	596.3	580.7	569.0	554.8
5°	806.2	777.8	745.3	714.2	683.2	650.7	617.0	587.2	556.1	527.5	500.4
7.5°	924.2	868.5	824.4	768.7	718.1	667.5	620.9	572.9	528.8	487.4	448.5
10°	1024.0	956.7	887.9	816.7	744.1	676.7	611.8	554.8	496.5	446.0	398.0
12.5°	1105.7	1020.2	935.9	846.4	764.7	679.3	598.9	530.1	461.5	404.5	355.2
15°	1179.6	1081.1	980.0	876.3	772.6	675.4	585.9	500.4	430.3	365.6	309.8
17.5°	1239.3	1126.4	1012.4	895.7	784.3	670.1	569.0	479.6	398.0	330.5	276.1
20°	1291.1	1173.1	1050.0	919.1	792.0	668.8	554.8	453.7	369.4	298.1	245.0
22.5°	1339.1	1221.0	1088.8	948.8	803.7	667.5	541.9	434.2	344.8	273.5	220.4
25°	1393.5	1269.0	1130.3	980.0	824.4	672.7	534.0	418.7	322.8	250.1	200.9
27.5°	1454.4	1323.4	1179.6	1018.9	851.6	683.2	531.4	401.9	303.4	228.2	185.4
30°	1539.9	1388.3	1228.8	1057.8	876.3	694.8	528.8	391.4	283.9	211.3	169.8
32.5°	1615.2	1451.8	1283.3	1098.0	903.4	706.4	527.5	377.2	265.8	194.4	158.1
35°	1694.2	1510.1	1330.0	1136.8	926.8	719.4	526.2	366.9	248.8	177.6	146.5
37.5°	1762.9	1559.4	1366.2	1170.5	952.8	731.1	527.5	357.8	233.3	163.3	136.1
40°	1821.2	1610.0	1406.4	1201.6	980.0	749.2	528.8	348.7	217.8	150.3	127.1
42.5°	1873.1	1657.9	1449.2	1236.7	1011.1	770.0	536.7	340.9	204.8	138.7	118.0
45°	1913.3	1702.0	1495.9	1285.9	1061.7	803.7	550.9	335.7	191.8	128.4	110.1
47.5°	1954.8	1766.8	1575.0	1363.6	1135.5	856.8	575.5	334.4	181.5	120.6	103.7
50°	2011.8	1831.6	1644.9	1442.7	1202.9	911.3	605.4	335.7	168.6	112.7	97.2
52.5°	2053.3	1897.7	1735.7	1580.1	1363.6	1077.2	720.7	359.1	162.0	106.3	89.4
55°	2298.2	2271.1	2274.9	2300.9	2133.7	1832.9	1205.5	518.5	190.5	120.6	88.2
57.5°	3240.7	3336.6	3392.3	3391.0	3114.9	2583.5	1619.0	666.2	212.6	140.0	105.0
60°	4479.8	4407.3	4304.9	4052.1	3685.2	2948.9	1810.9	716.8	184.1	111.4	95.9
62.5°	5575.2	5150.1	4772.9	4363.2	3882.3	3076.0	1849.8	712.9	160.7	84.3	67.4
65°	6258.4	5493.5	4884.3	4371.0	3804.5	2969.7	1750.0	654.6	136.1	68.7	55.7
67.5°	6421.7	5308.2	4446.2	3791.6	3178.4	2311.3	1284.6	492.6	106.3	57.0	49.3
69°	6065.2	4718.4	3683.9	2941.2	2312.6	1533.5	794.6	311.1	81.7	51.8	45.4
70°	5579.1	4103.9	3000.9	2360.5	1712.4	1077.2	556.1	219.1	66.1	48.0	41.5
72.5°	3589.3	2155.6	1475.2	1026.6	706.4	429.0	217.8	98.5	50.5	40.2	33.7
75°	1392.2	797.2	578.1	439.4	343.5	238.5	132.2	63.5	42.8	33.7	26.0
77.5°	685.7	525.0	429.0	294.2	171.1	106.3	71.3	49.3	35.0	24.7	16.8
80°	541.9	360.4	215.2	133.5	101.1	76.5	54.4	40.2	26.0	15.5	11.6
82.5°	277.4	151.6	111.4	90.7	75.2	59.6	44.1	28.6	16.8	10.3	9.1
85°	86.9	63.5	57.0	55.7	51.8	42.8	31.1	18.1	10.3	6.5	6.5
87.5°	6.5	9.1	11.6	9.1	10.3	9.1	11.6	7.8	5.2	5.2	3.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6
2.5°	544.5	528.8	514.6	505.6	488.7	482.2	475.7	473.1	461.5	464.1	453.7
5°	475.7	448.5	427.7	407.0	387.5	373.3	361.7	347.4	335.7	330.5	320.2
7.5°	413.5	378.5	351.3	329.2	306.0	287.8	272.2	261.9	251.4	241.1	235.9
10°	359.1	321.5	290.3	268.3	246.3	230.7	219.1	211.3	204.8	200.9	199.6
12.5°	308.5	272.2	243.7	224.3	207.4	199.6	194.4	190.5	189.2	188.0	188.0
15°	269.6	233.3	211.3	197.0	189.2	185.4	184.1	181.5	178.9	177.6	177.6
17.5°	233.3	206.1	190.5	182.8	178.9	176.3	173.7	171.1	168.6	167.3	167.3
20°	208.7	186.7	178.9	173.7	169.8	167.3	163.3	160.7	159.4	158.1	156.8
22.5°	189.2	175.0	169.8	166.0	160.7	156.8	154.2	151.6	149.0	147.8	146.5
25°	175.0	166.0	162.0	156.8	151.6	147.8	143.9	140.0	137.4	136.1	133.5
27.5°	164.7	158.1	152.9	146.5	141.3	137.4	133.5	129.6	127.1	124.5	123.2
30°	155.5	149.0	142.6	137.4	130.9	127.1	121.9	118.0	116.7	114.0	111.4
32.5°	146.5	140.0	133.5	127.1	120.6	115.3	112.7	107.6	105.0	103.7	101.1
35°	136.1	129.6	121.9	116.7	110.1	105.0	101.1	97.2	94.6	92.0	90.7
37.5°	127.1	119.3	111.4	105.0	99.8	94.6	90.7	86.9	84.3	81.7	80.4
40°	116.7	108.9	101.1	94.6	89.4	85.6	81.7	77.8	75.2	73.9	73.9
42.5°	107.6	98.5	90.7	85.6	81.7	76.5	72.6	68.7	67.4	66.1	67.4
45°	98.5	89.4	83.0	77.8	73.9	68.7	64.8	62.2	60.9	62.2	63.5
47.5°	90.7	81.7	75.2	71.3	67.4	63.5	59.6	57.0	57.0	59.6	62.2
50°	83.0	73.9	68.7	66.1	62.2	58.3	53.1	51.8	53.1	55.7	58.3
52.5°	75.2	64.8	60.9	59.6	55.7	51.8	48.0	46.7	48.0	50.5	49.3
55°	67.4	57.0	55.7	54.4	50.5	45.4	41.5	41.5	41.5	40.2	37.6
57.5°	64.8	50.5	49.3	48.0	44.1	38.9	36.3	33.7	32.4	28.6	27.3
60°	67.4	45.4	45.4	42.8	38.9	33.7	29.8	26.0	23.3	20.7	20.7
62.5°	54.4	41.5	40.2	37.6	32.4	27.3	23.3	19.4	18.1	16.8	16.8
65°	44.1	37.6	35.0	31.1	27.3	22.0	18.1	15.5	14.2	14.2	15.5
67.5°	40.2	33.7	29.8	26.0	22.0	16.8	14.2	12.9	12.9	14.2	14.2
69°	37.6	31.1	27.3	23.3	19.4	15.5	12.9	12.9	12.9	12.9	14.2
70°	35.0	29.8	26.0	22.0	16.8	12.9	11.6	11.6	12.9	12.9	14.2
72.5°	27.3	23.3	22.0	18.1	12.9	11.6	10.3	11.6	11.6	12.9	12.9
75°	20.7	16.8	16.8	14.2	10.3	9.1	9.1	10.3	10.3	11.6	11.6
77.5°	14.2	11.6	11.6	10.3	9.1	7.8	7.8	9.1	10.3	10.3	11.6
80°	10.3	9.1	7.8	9.1	7.8	6.5	7.8	9.1	9.1	10.3	10.3
82.5°	7.8	7.8	7.8	7.8	6.5	6.5	7.8	7.8	9.1	10.3	10.3
85°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.8	7.8	9.1	9.1
87.5°	3.9	3.9	3.9	5.2	5.2	6.5	6.5	6.5	6.5	7.8	7.8
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):

	165°	170°	175°	180°
0°	597.6	597.6	597.6	597.6
2.5°	451.1	449.8	444.7	446.0
5°	316.3	308.5	313.7	312.4
7.5°	232.0	230.7	229.4	232.0
10°	198.3	198.3	197.0	198.3
12.5°	186.7	186.7	186.7	186.7
15°	177.6	177.6	176.3	176.3
17.5°	167.3	167.3	167.3	166.0
20°	156.8	155.5	155.5	155.5
22.5°	145.2	143.9	143.9	143.9
25°	133.5	132.2	132.2	132.2
27.5°	121.9	120.6	119.3	119.3
30°	110.1	108.9	107.6	107.6
32.5°	98.5	97.2	95.9	95.9
35°	88.2	88.2	86.9	85.6
37.5°	79.1	79.1	79.1	79.1
40°	72.6	73.9	73.9	73.9
42.5°	68.7	70.0	71.3	72.6
45°	66.1	68.7	70.0	70.0
47.5°	64.8	66.1	67.4	67.4
50°	59.6	58.3	58.3	58.3
52.5°	48.0	45.4	44.1	42.8
55°	35.0	33.7	31.1	31.1
57.5°	24.7	24.7	23.3	23.3
60°	19.4	19.4	18.1	19.4
62.5°	16.8	16.8	16.8	16.8
65°	15.5	15.5	15.5	15.5
67.5°	15.5	15.5	15.5	15.5
69°	14.2	14.2	14.2	14.2
70°	14.2	14.2	14.2	14.2
72.5°	12.9	12.9	12.9	12.9
75°	11.6	12.9	12.9	12.9
77.5°	11.6	11.6	11.6	11.6
80°	10.3	10.3	11.6	11.6
82.5°	10.3	10.3	10.3	10.3
85°	9.1	9.1	10.3	10.3
87.5°	7.8	7.8	9.1	9.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)