

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: P180641

Luminaire Tested: **ICS-F03-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180641  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
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-SL3-HSS-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

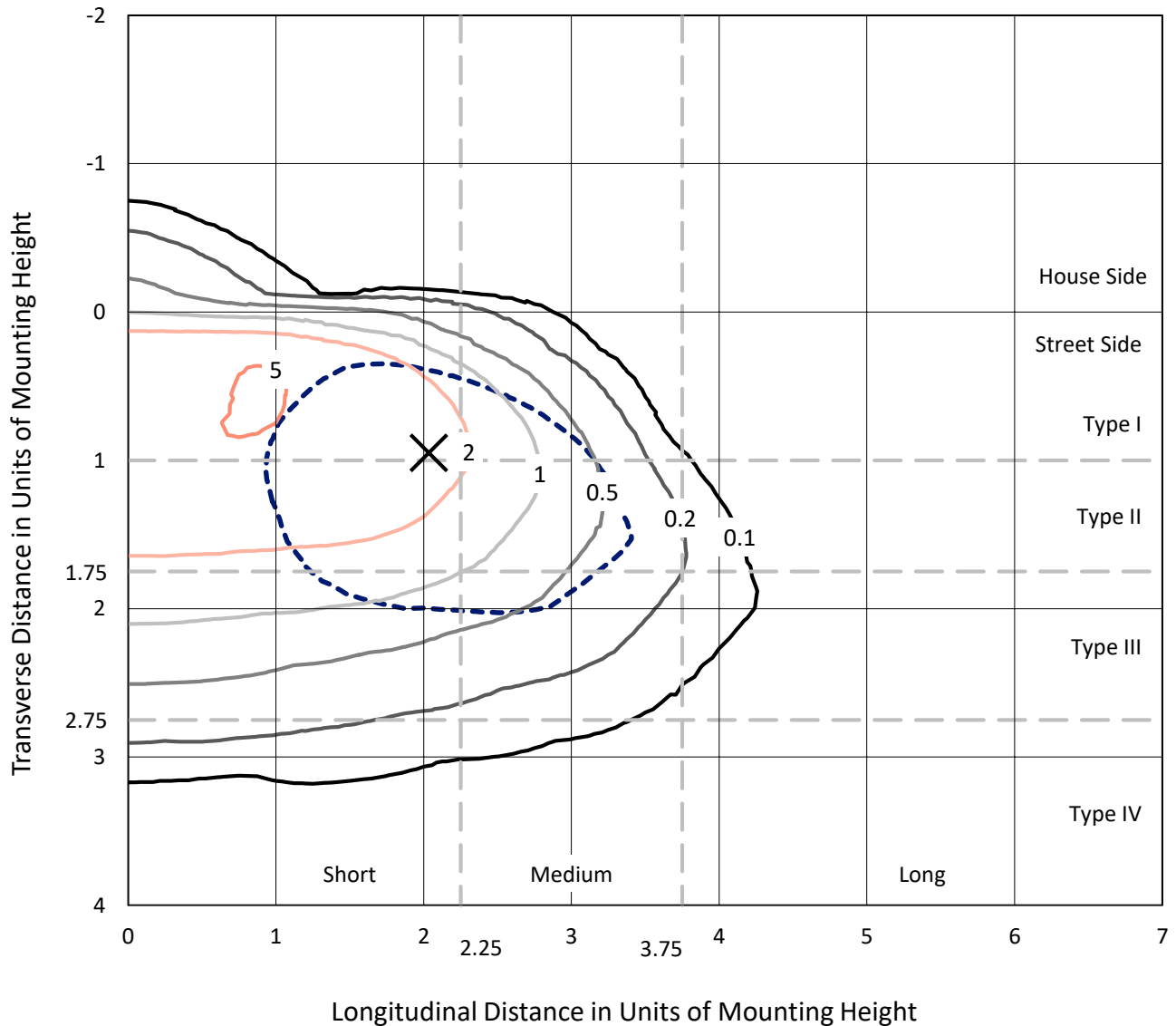
Lumens per Lamp: N/A  
Luminaire Lumens: 3261.8 lumens  
Efficiency: N/A  
Efficacy: 41.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 78.3  
Input Voltage (V): NR  
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

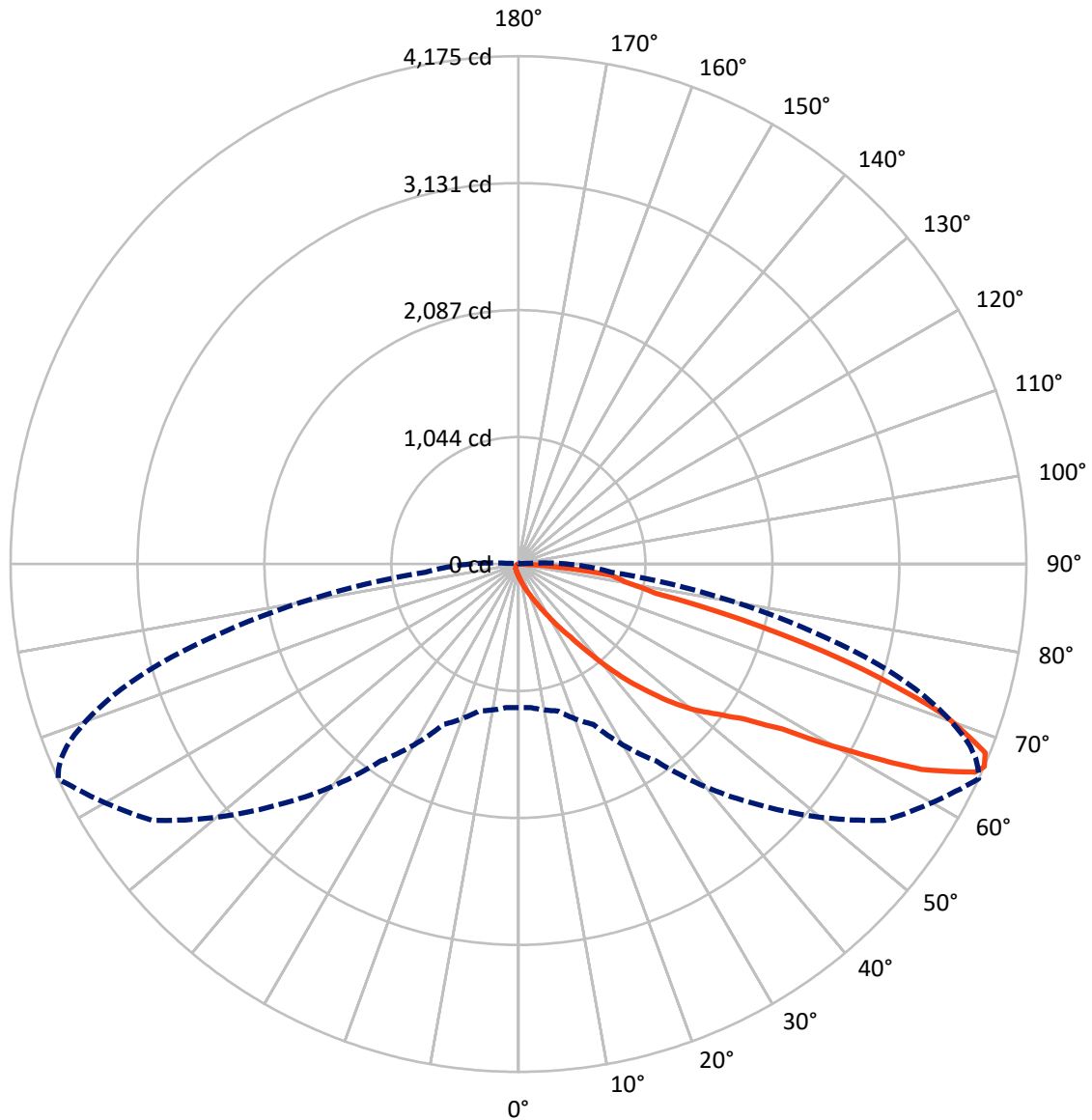
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	70.7	0.0	70.7
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	3191.1	0.0	3191.1
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	3261.8	0.0	3261.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.0	0.3
10°-20°	46.7	1.4
20°-30°	100.8	3.1
30°-40°	215.2	6.6
40°-50°	476.0	14.6
50°-60°	806.7	24.7
60°-70°	1076.5	33.0
70°-80°	474.2	14.5
80°-90°	54.6	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°	3261.8	100.0
0°-180°	3261.8	100.0



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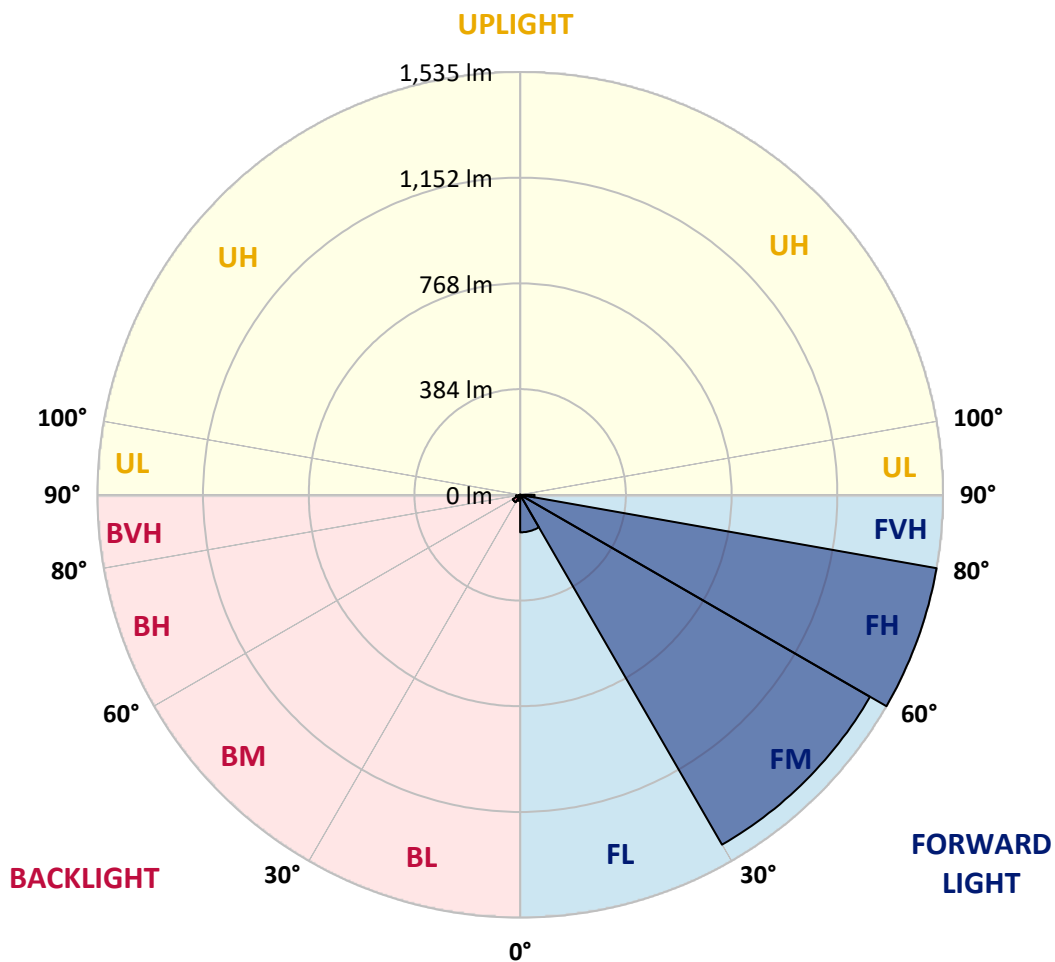
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.2	4.2			
FM	(30°-60°)	1466.9	45.0			
FH	(60°-80°)	1535.5	47.1			G1/1800
FVH	(80°-90°)	52.4	1.6			G1/100
BL	(0°-30°)	22.3	0.7	B0/110		
BM	(30°-60°)	31.0	1.0	B0/220		
BH	(60°-80°)	15.2	0.5	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	65°	66°	67°	68°
0°	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5°	124.2	123.5	121.0	121.0	117.3	114.8	111.6	108.5	108.5	107.9	107.2
5°	164.3	160.5	159.9	153.0	147.4	139.2	131.7	121.7	120.4	119.1	118.5
7.5°	208.8	208.2	202.6	194.4	183.1	168.1	153.0	136.7	134.2	132.9	130.4
10°	266.5	263.4	255.9	242.1	225.1	205.1	180.6	154.9	151.8	149.2	148.0
12.5°	321.7	316.1	311.7	294.1	272.8	243.3	213.8	176.8	174.3	171.2	166.2
15°	373.1	368.1	360.6	345.5	321.7	284.7	250.2	205.1	198.8	194.4	190.6
17.5°	413.3	410.1	401.3	384.4	358.7	326.1	284.7	233.9	228.9	223.2	216.3
20°	451.5	447.1	433.3	410.1	382.5	357.4	325.5	271.5	264.6	257.7	250.2
22.5°	487.9	483.5	460.9	422.7	393.2	382.5	371.2	314.2	303.5	297.9	290.3
25°	538.7	529.3	494.2	433.3	393.8	402.0	421.4	369.4	359.3	351.2	339.3
27.5°	607.0	594.5	539.3	449.0	396.3	423.3	479.1	436.5	425.8	416.4	403.2
30°	684.2	676.0	610.2	486.6	414.5	454.6	543.7	521.7	509.2	497.9	482.2
32.5°	761.9	750.6	685.4	558.1	463.4	515.5	624.6	620.8	604.5	593.9	576.9
35°	830.3	824.6	776.3	675.4	575.0	622.1	732.4	736.8	722.4	711.1	692.3
37.5°	876.7	876.7	867.3	801.4	752.5	787.6	891.1	891.7	877.3	851.6	842.2
40°	900.5	907.4	941.3	953.8	951.3	996.5	1099.3	1088.0	1076.1	1062.9	1031.6
42.5°	949.4	955.7	1027.8	1114.3	1170.8	1230.4	1301.2	1297.5	1283.0	1259.2	1230.4
45°	1032.2	1040.4	1126.3	1263.6	1379.6	1464.3	1509.4	1491.9	1477.4	1454.9	1439.8
47.5°	1137.6	1153.2	1250.4	1420.4	1560.2	1700.1	1747.1	1700.7	1688.1	1670.6	1646.1
50°	1249.8	1264.9	1368.3	1562.7	1720.8	1887.6	1965.9	1887.6	1869.4	1863.7	1836.1
52.5°	1347.0	1359.5	1459.3	1672.5	1843.7	2039.3	2153.4	2050.0	2036.8	2018.0	1997.9
55°	1404.7	1414.7	1508.2	1725.1	1927.1	2176.0	2334.7	2243.7	2224.3	2216.8	2187.9
57.5°	1424.1	1434.2	1518.2	1732.0	1972.2	2300.8	2554.8	2557.9	2534.7	2507.8	2499.0
60°	1424.1	1435.4	1506.3	1715.1	2016.1	2433.8	2848.3	3109.8	3059.6	3054.6	3022.6
62.5°	1365.2	1375.8	1447.3	1663.1	2075.1	2613.1	3257.1	3718.7	3704.3	3671.6	3619.0
65°	1237.3	1243.5	1313.8	1530.1	2052.5	2778.0	3611.4	4123.8	4100.6	4036.6	3968.9
66°	1179.6	1184.6	1250.4	1454.2	1978.5	2800.6	3674.2	4174.6	4136.3	4082.4	4005.9
67.5°	1096.2	1104.9	1151.3	1313.1	1801.0	2722.2	3634.6	4138.8	4105.6	4040.4	3963.9
70°	731.8	725.6	889.2	1007.7	1372.1	2218.0	3260.9	3716.2	3716.8	3686.1	3655.3
72.5°	347.4	351.2	398.8	620.2	898.0	1481.8	2595.6	2966.2	3008.8	2953.6	2915.4
75°	249.6	255.2	284.1	379.4	535.5	889.2	1682.5	2074.4	2075.7	1977.9	1890.7
77.5°	72.7	75.9	106.6	233.9	401.3	600.1	966.4	1153.2	1126.3	1056.0	990.2
80°	30.1	30.1	31.4	74.6	161.2	407.6	676.0	888.0	884.8	857.9	819.0
82.5°	11.3	11.9	15.1	30.7	38.3	100.3	450.9	770.7	768.8	730.6	703.0
85°	1.3	1.3	3.8	13.2	14.4	18.8	90.3	339.9	338.0	339.9	297.9
87.5°	0.0	0.0	0.6	1.3	1.9	2.5	3.8	13.2	14.4	13.8	12.5
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5°	107.2	106.0	106.0	105.4	105.4	105.4	104.7	104.1	104.1	103.5	102.8
5°	117.3	116.0	115.4	114.1	113.5	112.9	111.6	111.0	109.7	109.1	108.5
7.5°	129.2	126.7	126.0	124.2	122.3	121.0	119.8	117.9	116.6	114.1	113.5
10°	144.2	141.1	138.6	136.1	134.2	131.1	129.2	126.7	124.2	122.3	120.4
12.5°	163.7	159.3	155.5	153.0	148.6	144.9	141.1	139.2	134.2	131.7	128.6
15°	185.0	180.0	175.6	170.6	167.4	161.2	156.1	150.5	148.0	143.6	138.6
17.5°	212.6	204.4	197.5	192.5	186.2	180.0	174.3	168.7	161.2	156.1	149.9
20°	242.1	235.2	225.8	217.0	209.5	201.9	193.8	186.2	179.3	171.2	163.7
22.5°	279.7	269.7	258.4	249.6	239.6	231.4	220.1	210.1	198.8	188.1	179.3
25°	327.3	314.2	303.5	291.0	279.1	266.5	252.7	240.2	225.8	215.7	200.7
27.5°	386.3	373.7	359.3	343.0	331.1	312.3	294.1	278.4	261.5	245.8	228.9
30°	461.5	443.4	428.3	412.6	388.8	370.6	349.3	328.0	304.8	289.1	263.4
32.5°	551.8	532.4	509.8	487.3	465.3	439.6	413.3	386.9	361.2	332.4	306.0
35°	662.2	639.0	613.3	588.8	555.0	527.4	494.2	457.8	428.9	395.7	362.5
37.5°	808.3	770.1	747.5	721.8	676.0	638.4	601.4	565.0	514.2	479.1	432.1
40°	991.4	968.9	931.9	890.5	849.1	799.5	749.4	701.1	642.1	593.2	538.7
42.5°	1206.5	1173.3	1135.7	1076.1	1034.1	975.8	918.7	854.7	782.6	719.9	655.9
45°	1408.5	1369.0	1340.1	1280.5	1236.6	1167.7	1098.7	1030.9	947.5	866.6	792.6
47.5°	1626.7	1594.1	1546.4	1498.1	1453.6	1375.8	1301.2	1219.1	1131.3	1035.3	939.4
50°	1818.6	1792.9	1760.3	1701.9	1652.4	1587.2	1499.4	1409.7	1298.7	1203.4	1094.3
52.5°	1981.6	1961.6	1915.8	1874.4	1829.9	1768.4	1690.0	1604.1	1484.3	1379.6	1255.4
55°	2174.1	2159.7	2119.6	2093.9	2054.4	1995.4	1922.0	1842.4	1715.7	1601.6	1461.1
57.5°	2489.6	2478.3	2443.2	2432.5	2393.6	2342.2	2251.9	2166.6	2018.6	1876.9	1716.4
60°	3011.9	2989.4	2937.9	2911.6	2829.5	2760.5	2643.2	2525.9	2347.2	2166.6	1973.5
62.5°	3571.3	3508.0	3410.1	3326.1	3209.5	3089.7	2932.9	2753.6	2544.1	2329.7	2107.7
65°	3872.9	3765.1	3641.5	3508.0	3356.8	3180.6	2983.1	2768.0	2542.9	2316.5	2082.0
66°	3907.4	3785.8	3654.7	3506.1	3338.0	3150.5	2949.9	2724.1	2490.2	2269.5	2034.9
67.5°	3864.2	3736.9	3598.3	3433.4	3251.5	3057.1	2846.4	2611.9	2386.7	2162.9	1934.6
70°	3561.3	3434.6	3311.1	3137.4	2943.6	2747.9	2548.5	2286.4	2073.2	1867.5	1664.3
72.5°	2843.9	2758.0	2635.7	2487.1	2298.3	2068.8	1902.6	1668.1	1483.1	1283.7	1126.3
75°	1777.2	1656.2	1505.0	1315.6	1171.4	985.2	888.0	709.9	604.5	512.3	423.3
77.5°	908.7	817.7	711.8	605.1	502.9	401.3	310.4	219.5	148.0	102.8	76.5
80°	750.6	670.4	582.6	485.4	395.1	306.6	220.7	150.5	95.9	62.7	48.9
82.5°	620.2	552.5	474.1	383.8	305.4	240.8	167.4	109.1	67.7	43.9	34.5
85°	264.0	239.6	185.0	146.7	110.4	81.5	57.1	38.3	27.0	21.9	20.1
87.5°	11.3	12.5	11.9	9.4	6.9	6.9	6.3	5.0	5.0	5.0	5.0
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5°	102.8	102.2	101.6	101.6	101.0	100.3	96.6	93.4	89.7	87.2	84.7
5°	107.2	106.6	105.4	104.7	103.5	102.8	94.7	87.8	82.1	77.8	74.6
7.5°	111.6	111.0	109.1	107.2	106.6	105.4	92.2	83.4	75.9	70.9	67.7
10°	117.3	115.4	113.5	111.0	109.1	107.2	89.7	78.4	70.2	65.8	62.7
12.5°	125.4	122.3	119.1	116.0	113.5	110.4	88.4	74.0	65.8	60.8	57.7
15°	134.8	130.4	126.7	122.9	118.5	115.4	85.9	70.2	62.1	57.1	53.3
17.5°	143.6	138.6	132.9	127.3	122.9	118.5	83.4	66.5	58.3	53.3	49.5
20°	156.1	148.6	141.7	134.8	128.6	122.9	79.6	62.7	55.2	49.5	45.8
22.5°	169.9	161.2	152.4	143.0	134.8	127.3	76.5	59.6	52.0	46.4	42.0
25°	187.5	176.8	164.9	153.0	143.6	133.6	73.4	56.4	48.9	43.3	38.9
27.5°	212.0	196.9	183.7	168.7	154.3	143.0	70.9	53.9	45.8	40.1	35.7
30°	245.2	223.2	202.6	186.2	169.3	153.0	68.4	50.8	43.3	37.0	32.0
32.5°	282.2	256.5	232.7	208.2	186.9	168.1	65.8	48.3	40.1	33.9	29.5
35°	328.0	295.4	263.4	235.2	209.5	184.4	63.3	45.8	37.6	30.7	26.3
37.5°	393.8	353.1	311.0	274.7	241.4	208.2	61.5	43.3	34.5	27.6	23.2
40°	484.1	431.4	380.0	330.5	287.2	245.8	58.9	40.8	32.0	25.1	20.7
42.5°	581.9	518.0	450.3	394.4	334.9	282.8	56.4	38.3	29.5	22.6	18.2
45°	703.6	624.0	541.8	465.9	393.2	326.1	53.9	35.7	26.3	20.1	15.7
47.5°	836.5	735.0	642.1	546.8	460.3	380.0	50.8	33.9	23.8	17.6	13.8
50°	973.3	866.0	748.8	640.3	537.4	434.0	47.7	30.7	21.3	15.7	11.3
52.5°	1120.6	993.9	874.2	739.3	619.6	504.8	44.5	28.2	19.4	13.8	9.4
55°	1308.1	1166.4	1025.9	874.8	730.6	587.0	41.4	25.1	16.9	11.9	7.5
57.5°	1543.9	1375.8	1203.4	1032.8	857.9	694.8	38.9	21.9	14.4	10.0	6.3
60°	1766.5	1570.2	1361.4	1165.1	967.6	777.6	35.1	19.4	12.5	8.2	6.3
62.5°	1881.9	1658.0	1432.9	1216.6	1005.9	807.1	31.4	16.3	10.7	6.9	5.6
65°	1853.7	1625.4	1407.2	1189.0	982.7	788.3	27.6	14.4	9.4	6.3	5.6
66°	1812.9	1587.2	1367.7	1160.1	963.2	768.2	25.7	13.8	8.8	6.3	5.0
67.5°	1723.9	1505.7	1296.2	1103.1	909.9	729.9	23.2	12.5	8.2	5.6	5.0
70°	1472.4	1274.3	1106.8	935.0	777.6	615.2	18.8	10.7	6.9	5.0	5.0
72.5°	974.5	839.7	728.1	626.5	523.6	406.4	15.7	8.8	5.6	5.0	4.4
75°	367.5	332.4	285.3	256.5	223.9	196.3	12.5	5.6	4.4	4.4	4.4
77.5°	65.2	60.2	53.3	48.9	45.2	41.4	10.0	3.8	3.8	4.4	4.4
80°	43.9	40.8	37.0	33.9	31.4	28.2	6.9	3.1	3.8	3.8	4.4
82.5°	31.4	29.5	27.6	25.1	23.2	20.7	4.4	3.1	3.8	3.8	3.8
85°	18.8	17.6	16.3	15.1	13.2	12.5	3.1	3.1	3.1	3.8	3.8
87.5°	5.0	4.4	5.0	5.0	3.8	4.4	2.5	2.5	2.5	3.1	3.1
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):**

	145°	155°	165°	175°	180°
0°	98.5	98.5	98.5	98.5	98.5
2.5°	83.4	83.4	82.1	84.0	84.0
5°	72.1	72.1	71.5	72.1	72.1
7.5°	65.8	65.2	65.2	65.2	65.8
10°	60.2	59.6	59.6	59.6	59.6
12.5°	55.2	54.6	53.9	54.6	54.6
15°	50.8	49.5	49.5	49.5	49.5
17.5°	47.0	45.8	45.2	45.2	45.2
20°	43.3	41.4	41.4	41.4	41.4
22.5°	39.5	37.6	37.6	37.6	37.6
25°	35.7	33.9	33.9	33.9	33.9
27.5°	32.6	30.7	30.7	30.7	30.7
30°	28.8	27.6	27.6	28.2	27.6
32.5°	26.3	24.5	24.5	25.1	25.1
35°	23.2	21.9	21.9	21.9	21.9
37.5°	20.1	18.8	18.8	18.8	18.8
40°	17.6	16.3	15.7	16.3	16.3
42.5°	15.1	13.8	13.2	13.2	13.2
45°	13.2	11.3	10.7	11.3	11.3
47.5°	10.7	9.4	9.4	10.0	10.0
50°	8.2	8.2	8.8	10.0	10.0
52.5°	7.5	7.5	8.8	10.0	10.0
55°	6.9	7.5	8.8	9.4	10.0
57.5°	6.3	7.5	8.8	9.4	9.4
60°	6.3	6.9	8.2	9.4	9.4
62.5°	5.6	6.3	7.5	8.8	8.8
65°	5.6	6.3	7.5	8.8	8.8
66°	5.6	6.3	7.5	8.8	8.8
67.5°	5.6	6.3	7.5	8.8	8.8
70°	5.6	6.3	7.5	8.2	8.2
72.5°	5.0	5.6	6.9	8.2	8.2
75°	5.0	5.6	6.9	8.2	8.2
77.5°	5.0	5.6	6.9	8.2	8.2
80°	5.0	5.6	6.9	7.5	8.2
82.5°	4.4	5.6	6.3	7.5	7.5
85°	4.4	5.0	6.3	6.9	7.5
87.5°	3.8	4.4	5.0	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)