

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: P181423

Luminaire Tested: **ICM-F01-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181423
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F01-LED-E1-T3-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2163 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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

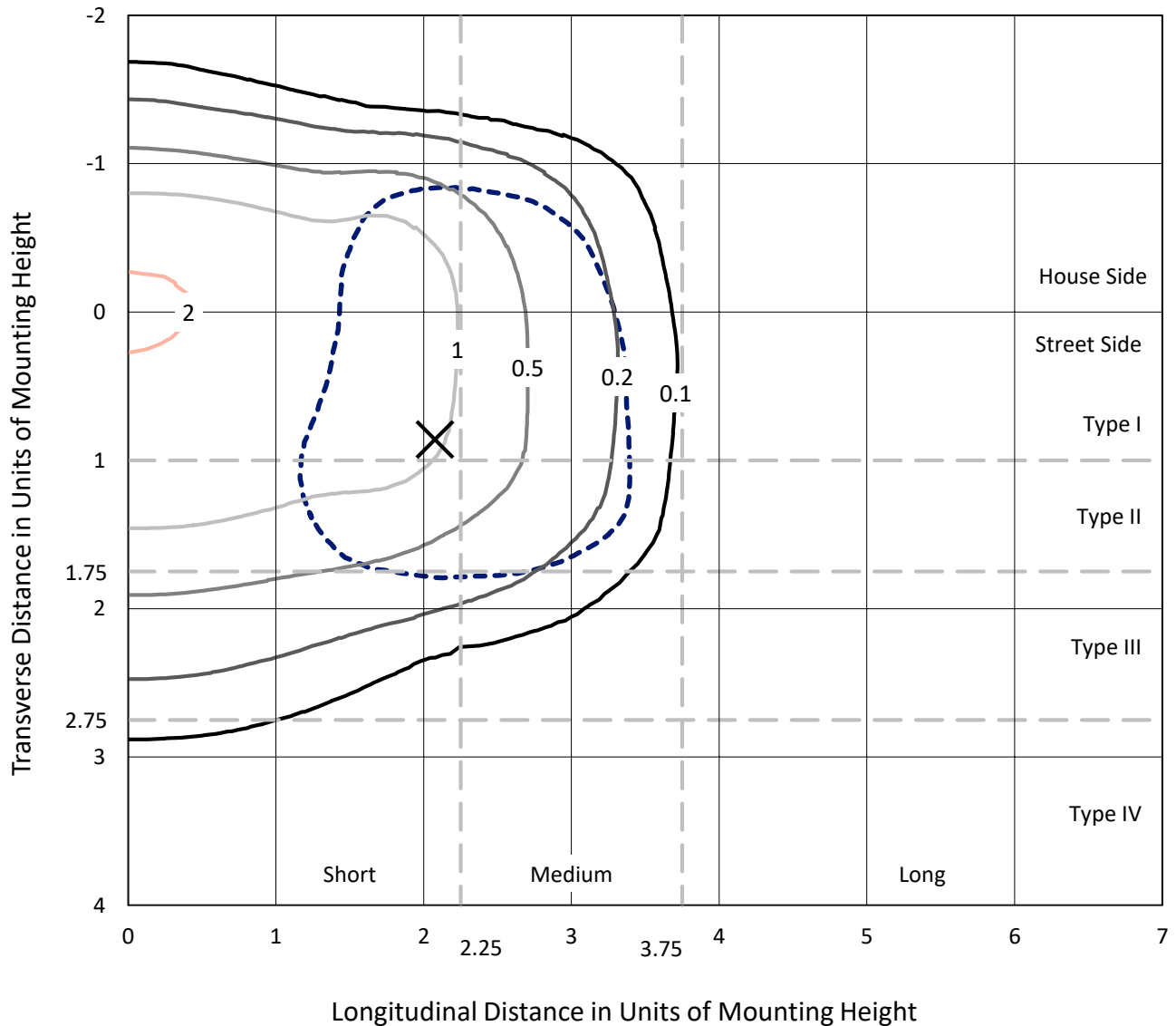


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

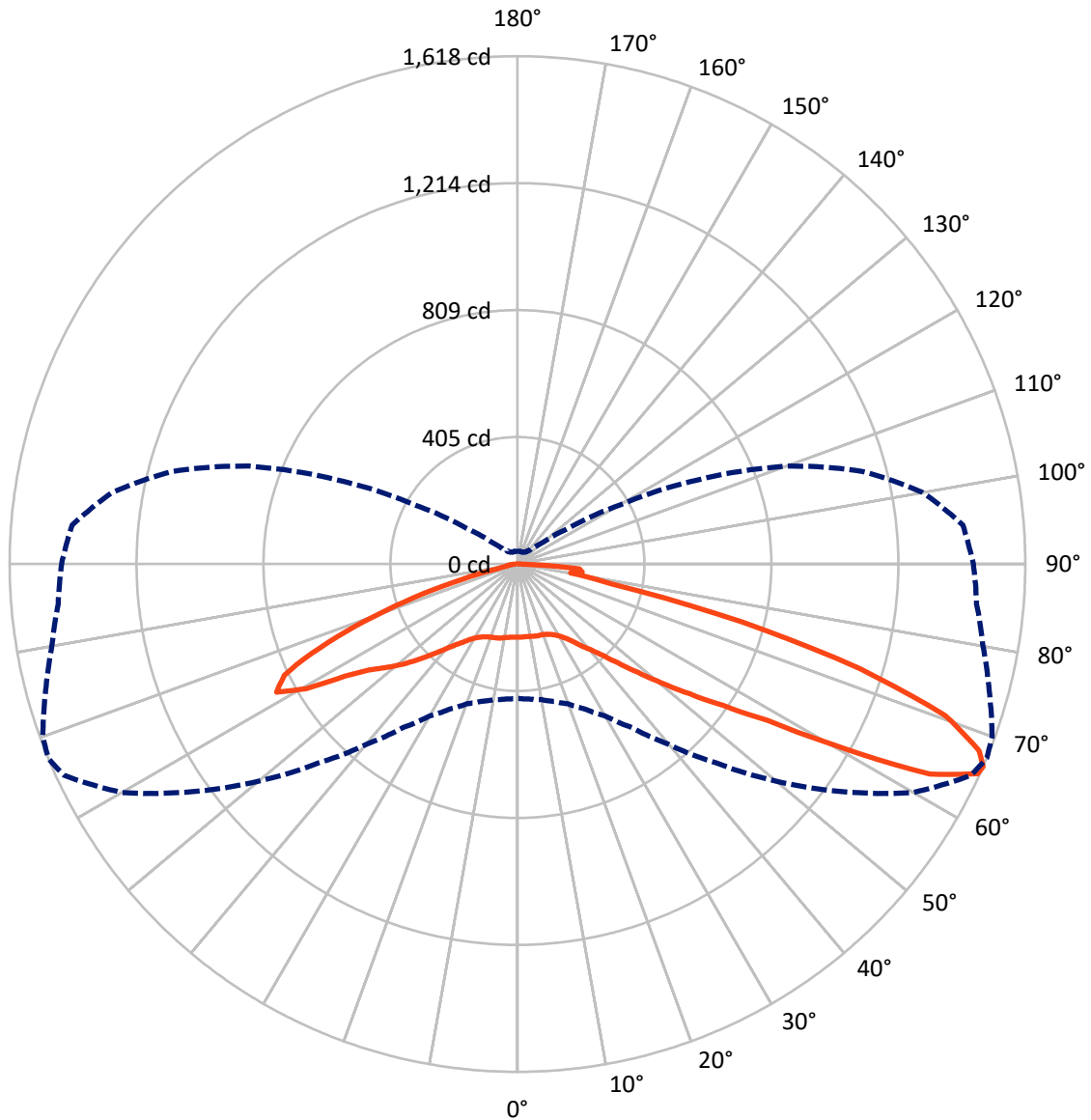


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.0	0.0	747.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1416.1	0.0	1416.1
	% Fixture	65.5	0.0	65.5
Total	Lumens	2163.0	0.0	2163.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	1.0
10°-20°	65.9	3.0
20°-30°	113.2	5.2
30°-40°	183.9	8.5
40°-50°	307.0	14.2
50°-60°	483.4	22.3
60°-70°	659.1	30.5
70°-80°	285.3	13.2
80°-90°	42.9	2.0
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°	2163.0	100.0
0°-180°	2163.0	100.0



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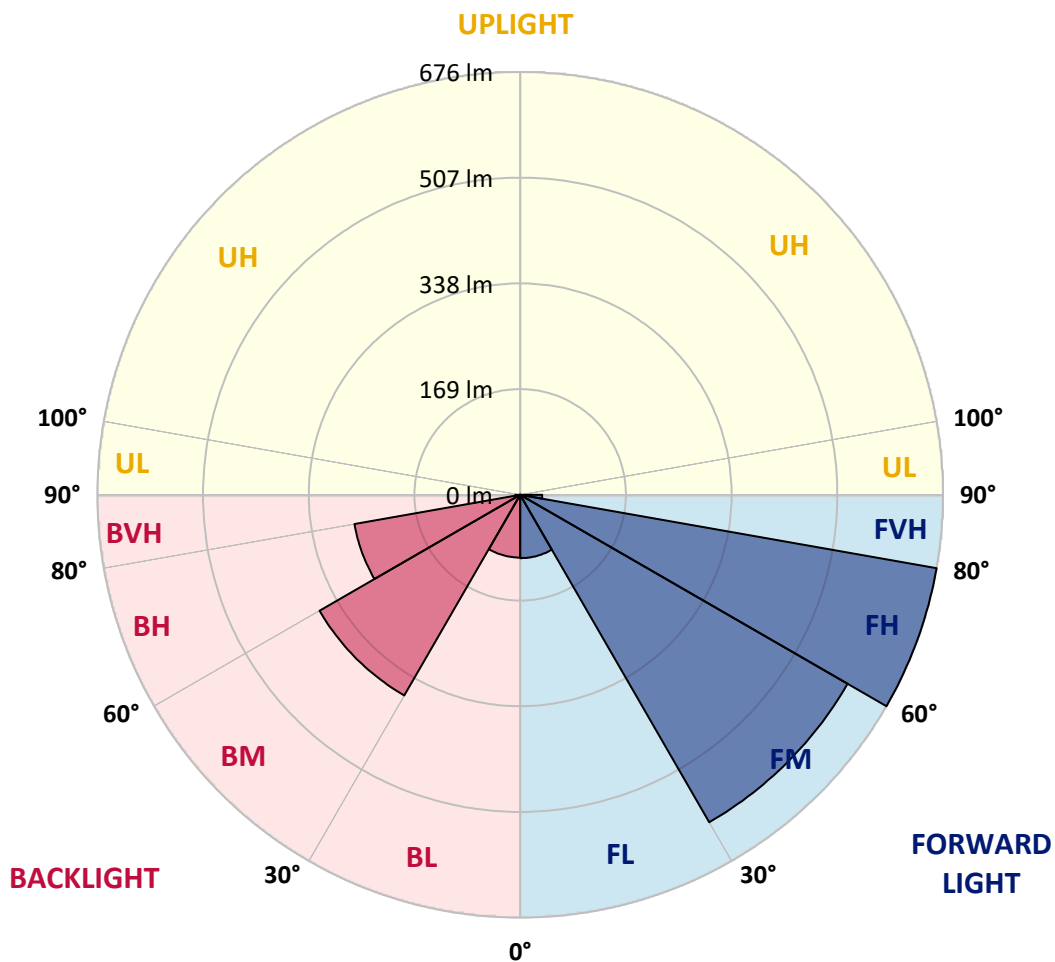
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.2	4.7			
FM	(30°-60°)	604.1	27.9			
FH	(60°-80°)	675.6	31.2			G1/1800
FVH	(80°-90°)	35.2	1.6			G1/100
BL	(0°-30°)	100.3	4.6	B0/110		
BM	(30°-60°)	370.1	17.1	B1/1000		
BH	(60°-80°)	268.9	12.4	B1/500		G1/500
BVH	(80°-90°)	7.7	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1
2.5°	234.0	235.0	234.0	234.2	234.5	234.2	234.0	234.0	233.3	233.8	234.2
5°	233.1	233.8	233.6	233.8	234.0	233.8	233.6	233.8	233.3	233.6	234.2
7.5°	231.9	231.7	231.9	232.4	232.8	232.8	232.8	233.1	232.8	232.8	233.6
10°	228.5	228.7	229.1	229.9	230.0	230.8	230.8	231.4	231.7	232.2	233.1
12.5°	224.0	224.2	224.7	225.1	226.3	227.4	227.4	229.1	229.9	231.0	232.7
15°	220.7	220.9	221.4	221.9	222.8	224.0	224.7	226.5	227.7	229.9	232.2
17.5°	222.6	222.3	222.8	223.1	223.1	224.0	224.0	225.4	226.8	228.7	231.7
20°	227.9	227.9	228.5	228.5	228.2	228.7	227.7	227.7	227.9	228.9	231.0
22.5°	233.3	233.1	234.0	234.5	234.7	235.4	234.5	234.2	233.1	232.4	233.1
25°	238.5	238.2	239.4	240.1	241.3	242.0	242.0	242.0	241.0	239.9	239.2
27.5°	246.4	246.4	247.6	248.3	249.2	250.6	251.4	251.4	251.5	250.0	248.7
30°	259.7	260.0	260.2	261.1	262.0	262.5	263.5	264.2	264.9	264.0	262.0
32.5°	275.6	274.2	274.2	275.6	276.8	278.2	278.7	279.6	281.0	280.3	280.1
35°	294.6	294.1	293.7	294.1	295.5	297.1	299.1	300.7	299.7	301.1	300.5
37.5°	322.6	323.1	323.4	323.4	323.1	323.5	324.5	326.1	325.7	326.1	327.1
40°	368.9	367.3	365.7	365.9	363.5	364.0	360.3	362.0	362.1	360.6	361.2
42.5°	415.3	416.2	416.8	418.7	417.1	416.2	412.7	412.7	410.8	409.1	408.7
45°	465.2	467.2	467.4	471.1	469.7	472.7	475.4	474.6	471.5	471.4	468.1
47.5°	505.2	508.3	511.5	516.0	519.5	526.2	534.2	538.2	540.6	542.4	538.7
50°	535.2	536.6	545.0	552.0	559.7	571.0	582.0	596.2	607.6	613.0	618.1
52.5°	551.3	554.8	563.9	574.9	588.5	605.3	623.1	645.8	665.4	678.5	690.1
55°	554.8	558.3	568.6	582.6	601.1	623.8	649.2	680.1	709.6	734.8	759.4
57.5°	545.0	548.9	559.9	576.1	597.9	625.4	657.4	697.9	738.6	779.4	815.7
60°	527.0	531.9	542.0	557.9	582.0	613.0	651.4	702.1	759.2	821.8	891.3
62.5°	497.3	502.4	511.8	529.3	554.1	588.5	632.9	696.0	776.7	875.4	998.5
65°	449.6	451.9	463.4	481.1	503.2	541.0	589.9	666.1	771.1	908.3	1078.1
66°	428.1	432.1	439.1	453.3	474.4	510.0	559.0	636.4	749.8	896.8	1075.9
67.5°	394.4	397.5	402.1	411.7	424.6	450.8	497.3	570.4	684.7	838.9	1031.3
70°	318.9	320.3	326.6	329.9	334.3	343.0	359.8	401.9	491.0	635.7	832.3
72.5°	217.4	221.4	228.2	237.6	249.7	261.4	269.3	274.7	293.9	379.3	554.6
75°	159.4	163.6	172.3	184.7	206.0	230.3	255.5	267.3	259.3	248.3	308.8
77.5°	92.6	98.2	105.5	117.4	137.0	169.3	212.6	250.9	276.8	278.4	264.5
80°	39.1	39.7	44.2	50.2	62.4	85.1	118.8	174.0	231.4	270.2	279.4
82.5°	8.9	11.0	14.0	16.6	20.4	28.1	41.6	69.2	125.1	196.2	255.8
85°	3.3	3.3	4.5	6.5	7.4	8.4	11.0	17.5	30.0	55.2	115.1
87.5°	0.0	0.3	0.5	0.5	0.9	1.2	1.9	2.6	2.3	2.1	7.0
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1
2.5°	233.8	233.6	233.1	233.1	233.1	233.1	232.7	232.8	232.4	232.7	232.7
5°	233.6	233.6	233.3	232.8	233.1	233.1	233.3	232.8	232.8	233.1	232.8
7.5°	233.6	233.3	233.3	233.3	233.6	233.3	233.6	233.6	233.6	233.8	233.8
10°	233.6	233.6	234.0	234.2	234.2	234.5	235.2	235.2	235.4	235.6	236.1
12.5°	233.8	234.7	235.4	236.1	236.4	236.8	238.0	238.0	238.5	239.2	239.4
15°	234.0	235.4	236.8	237.3	237.8	238.7	239.9	240.4	241.0	241.8	242.2
17.5°	233.8	235.6	237.3	238.0	238.7	239.9	241.3	241.8	242.7	243.6	244.6
20°	233.6	236.1	238.7	239.6	240.6	242.2	244.1	245.2	246.2	247.6	248.6
22.5°	235.0	238.0	241.5	242.9	244.6	246.7	249.2	250.6	251.8	253.2	253.9
25°	239.4	241.8	246.0	248.3	250.4	253.9	257.4	259.1	260.5	261.6	261.9
27.5°	246.9	247.6	252.7	255.8	258.8	264.5	268.7	269.8	272.4	273.3	273.1
30°	259.1	257.9	262.0	266.8	271.2	278.9	284.1	287.1	289.4	289.4	287.5
32.5°	276.6	274.7	275.9	281.3	286.4	297.6	303.7	307.7	309.3	308.8	304.8
35°	299.5	298.3	297.6	301.9	310.0	323.1	331.1	333.1	335.7	335.3	330.1
37.5°	326.6	325.7	325.7	330.6	338.5	358.0	366.6	368.0	367.7	364.0	354.4
40°	358.6	358.1	356.1	358.9	365.7	390.9	402.6	404.5	401.9	395.8	384.6
42.5°	404.7	401.9	395.4	397.0	402.1	426.7	441.9	447.0	444.5	438.3	420.1
45°	464.7	461.8	450.8	449.4	452.2	473.7	493.3	494.5	494.0	486.3	464.7
47.5°	535.4	530.7	519.1	515.3	514.3	534.2	553.1	555.1	553.9	542.4	513.7
50°	611.8	605.0	597.4	594.8	591.1	605.3	624.5	624.7	620.0	604.1	577.2
52.5°	693.4	691.1	689.7	687.2	685.5	697.9	709.6	702.6	695.5	679.0	655.5
55°	775.7	785.3	795.2	796.1	798.9	812.2	812.0	792.8	787.6	778.5	755.4
57.5°	863.2	898.7	929.6	939.2	948.6	973.3	971.0	952.0	945.5	934.2	915.1
60°	982.1	1078.1	1167.1	1188.4	1203.2	1232.8	1230.1	1200.8	1214.3	1213.4	1188.7
62.5°	1148.8	1308.3	1441.9	1474.5	1484.8	1488.1	1470.3	1438.8	1452.1	1467.1	1390.9
65°	1261.8	1449.3	1586.3	1611.5	1612.9	1574.0	1534.4	1497.2	1494.0	1481.1	1372.2
66°	1264.4	1456.3	1593.8	1618.3	1609.7	1556.4	1506.3	1468.9	1452.8	1424.6	1311.6
67.5°	1219.0	1412.6	1560.6	1586.5	1567.6	1492.1	1423.2	1375.0	1343.4	1297.6	1198.0
70°	1023.8	1215.7	1398.1	1446.5	1452.6	1339.9	1244.3	1187.7	1145.1	1082.2	996.5
72.5°	761.2	934.7	1095.5	1141.9	1165.5	1075.4	994.8	951.8	893.6	827.4	766.4
75°	477.2	599.7	707.4	740.0	717.8	648.1	599.7	581.7	524.4	484.9	457.1
77.5°	272.8	311.2	319.8	307.4	281.3	215.4	153.1	113.4	98.4	108.9	120.2
80°	266.3	244.1	194.5	171.2	155.0	106.6	62.7	43.0	35.8	36.7	39.7
82.5°	288.5	309.6	254.9	207.8	174.4	117.9	65.0	34.6	23.3	27.6	31.1
85°	187.5	260.9	235.0	198.0	160.4	100.7	53.6	18.0	11.9	15.6	21.5
87.5°	19.0	20.8	17.8	24.1	18.0	8.4	4.2	2.6	2.3	2.8	4.2
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1
2.5°	232.8	232.8	233.1	233.3	233.6	233.8	233.8	233.8	233.8	234.2	234.0
5°	233.3	233.8	234.2	234.5	235.0	235.0	235.6	235.4	235.4	236.1	236.4
7.5°	234.2	235.0	235.9	235.6	236.6	236.4	236.8	236.8	236.1	236.4	235.9
10°	236.4	237.3	237.8	237.0	237.3	236.4	236.1	235.0	233.6	232.8	231.9
12.5°	239.9	240.8	240.8	239.6	238.2	236.1	234.5	231.9	229.9	228.7	227.4
15°	242.9	243.8	243.6	241.8	239.6	236.4	234.0	231.0	227.9	226.0	224.9
17.5°	245.2	245.7	245.0	242.4	240.1	237.0	234.7	231.4	227.9	225.6	223.5
20°	248.7	248.3	246.7	243.4	240.8	238.0	236.1	233.3	229.4	226.3	223.3
22.5°	253.9	252.0	249.0	245.5	242.9	240.4	238.5	235.4	231.4	227.7	224.2
25°	260.7	256.9	252.7	249.0	246.7	243.8	241.8	238.5	234.2	230.0	225.9
27.5°	270.5	264.0	258.6	255.4	252.7	249.2	246.7	242.4	238.0	233.1	228.5
30°	281.5	272.7	267.4	264.9	262.0	258.3	254.3	249.0	243.8	238.5	232.8
32.5°	295.7	285.0	280.1	277.5	273.8	269.1	264.5	258.3	251.1	244.1	237.3
35°	314.4	303.4	298.3	294.3	289.2	283.2	276.4	268.2	258.3	249.0	240.4
37.5°	334.6	322.6	317.8	313.5	305.8	297.9	288.3	276.4	263.0	250.6	239.9
40°	360.0	349.0	342.8	335.5	326.4	312.6	297.6	280.3	263.3	248.1	235.4
42.5°	392.3	381.3	372.0	360.6	344.7	323.4	302.0	279.6	259.1	241.8	228.2
45°	435.1	421.8	405.7	385.5	359.8	330.1	302.3	275.2	251.1	231.9	217.4
47.5°	487.4	467.2	440.7	406.8	369.9	332.0	298.5	266.3	238.7	217.9	201.8
50°	549.7	517.6	474.1	424.4	375.0	329.2	289.2	252.9	221.2	199.0	179.8
52.5°	620.7	568.4	504.3	436.9	374.8	319.8	273.3	232.8	198.2	173.5	155.3
55°	704.2	626.3	535.4	446.3	368.2	302.5	249.0	204.6	170.0	147.1	130.2
57.5°	826.5	720.4	589.7	460.8	355.2	275.9	216.0	170.7	140.3	118.5	104.3
60°	1050.0	877.2	687.4	490.0	335.1	236.8	177.5	134.4	108.9	91.4	81.9
62.5°	1218.3	998.5	740.2	483.5	294.6	188.7	131.6	98.0	80.2	68.3	62.2
65°	1194.2	960.9	683.8	416.4	231.0	133.0	87.4	66.6	55.2	49.6	46.0
66°	1139.7	911.8	635.0	374.8	199.6	110.6	72.0	55.9	47.4	43.4	41.1
67.5°	1036.5	820.7	547.5	307.2	153.4	80.2	54.2	44.2	38.6	36.9	35.3
70°	861.6	654.4	384.4	178.9	78.3	44.7	34.3	30.9	29.5	29.2	28.7
72.5°	660.3	463.2	226.3	84.7	40.7	29.7	26.7	25.5	25.0	25.0	25.2
75°	404.7	260.2	100.1	41.4	28.6	25.0	23.6	23.2	22.9	23.2	22.9
77.5°	135.2	82.8	42.8	31.3	26.0	23.2	22.2	21.8	21.8	21.8	21.8
80°	41.4	36.0	32.7	29.0	24.6	22.0	20.6	20.4	20.6	20.8	20.1
82.5°	31.1	29.5	27.6	25.7	22.2	19.6	19.2	19.2	19.2	18.5	17.5
85°	22.9	22.7	18.7	17.5	16.4	16.4	16.4	16.4	15.6	14.5	13.6
87.5°	4.2	4.0	4.2	4.5	6.5	7.0	7.0	7.4	8.2	7.7	7.7
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):

	160°	165°	170°	175°	180°
0°	233.1	233.1	233.1	233.1	233.1
2.5°	234.0	233.8	234.5	234.0	234.2
5°	236.1	235.9	236.4	235.9	236.6
7.5°	235.4	235.0	234.7	235.0	235.2
10°	230.5	230.0	229.9	229.6	229.9
12.5°	226.3	225.4	225.4	224.9	225.1
15°	223.3	222.6	222.3	221.9	222.1
17.5°	221.9	220.7	220.3	219.8	219.8
20°	220.9	219.5	218.8	218.3	218.1
22.5°	220.9	218.8	217.9	217.4	217.2
25°	221.9	219.3	217.9	217.2	216.9
27.5°	223.7	220.5	218.8	217.9	217.9
30°	227.0	222.8	220.5	219.3	219.1
32.5°	230.3	224.7	221.4	220.0	219.5
35°	231.9	224.7	220.7	218.3	217.9
37.5°	230.0	221.7	216.7	213.2	212.6
40°	224.2	215.4	210.0	206.7	206.2
42.5°	216.5	207.8	201.5	199.2	198.5
45°	206.0	195.7	189.4	186.1	186.3
47.5°	188.0	177.5	171.8	168.8	169.3
50°	166.7	156.4	151.5	148.2	148.9
52.5°	143.3	134.0	129.3	127.6	127.2
55°	118.8	111.5	108.3	106.4	105.7
57.5°	96.3	91.2	88.8	86.5	86.7
60°	76.0	73.4	72.7	70.1	69.9
62.5°	59.8	58.2	57.5	55.6	55.9
65°	45.4	44.9	45.4	44.2	44.7
66°	40.9	41.1	41.1	40.5	40.9
67.5°	35.3	35.8	36.5	35.8	36.3
70°	29.2	29.7	30.1	30.1	30.1
72.5°	25.5	26.0	26.1	26.1	26.1
75°	23.3	23.6	23.8	23.3	23.3
77.5°	22.0	22.0	21.5	21.3	21.0
80°	19.9	19.6	19.0	18.5	18.5
82.5°	16.6	16.1	15.6	15.0	15.0
85°	12.7	12.2	11.7	10.8	10.3
87.5°	6.5	6.8	6.5	5.4	4.7
90°	0.0	0.0	0.0	0.0	0.0

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