

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: P181419

Luminaire Tested: **ICM-E01-LED-E1-T3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181419
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-E01-LED-E1-T3
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2868.8 lumens
Efficiency: N/A
Efficacy: 116.1 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

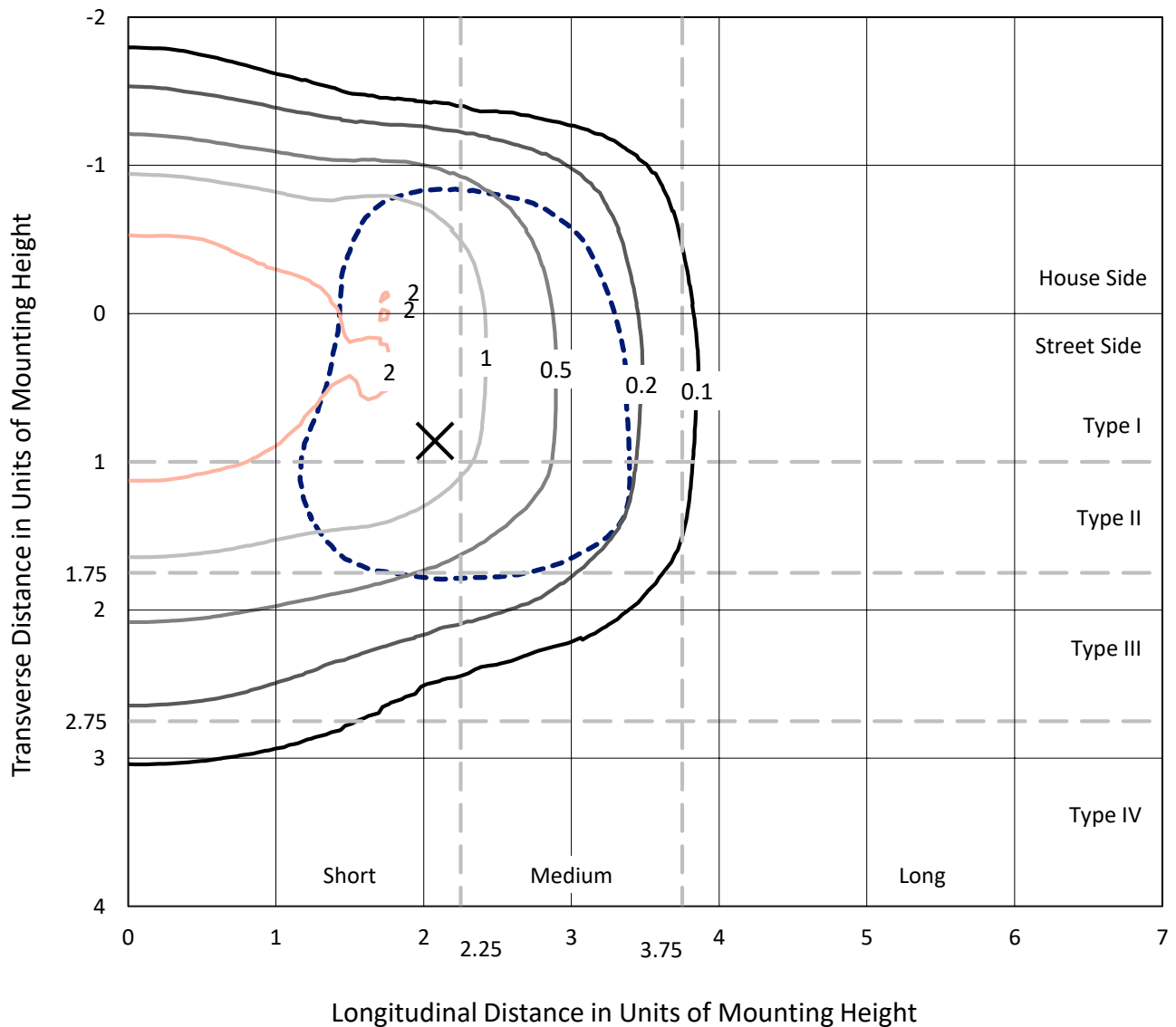
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

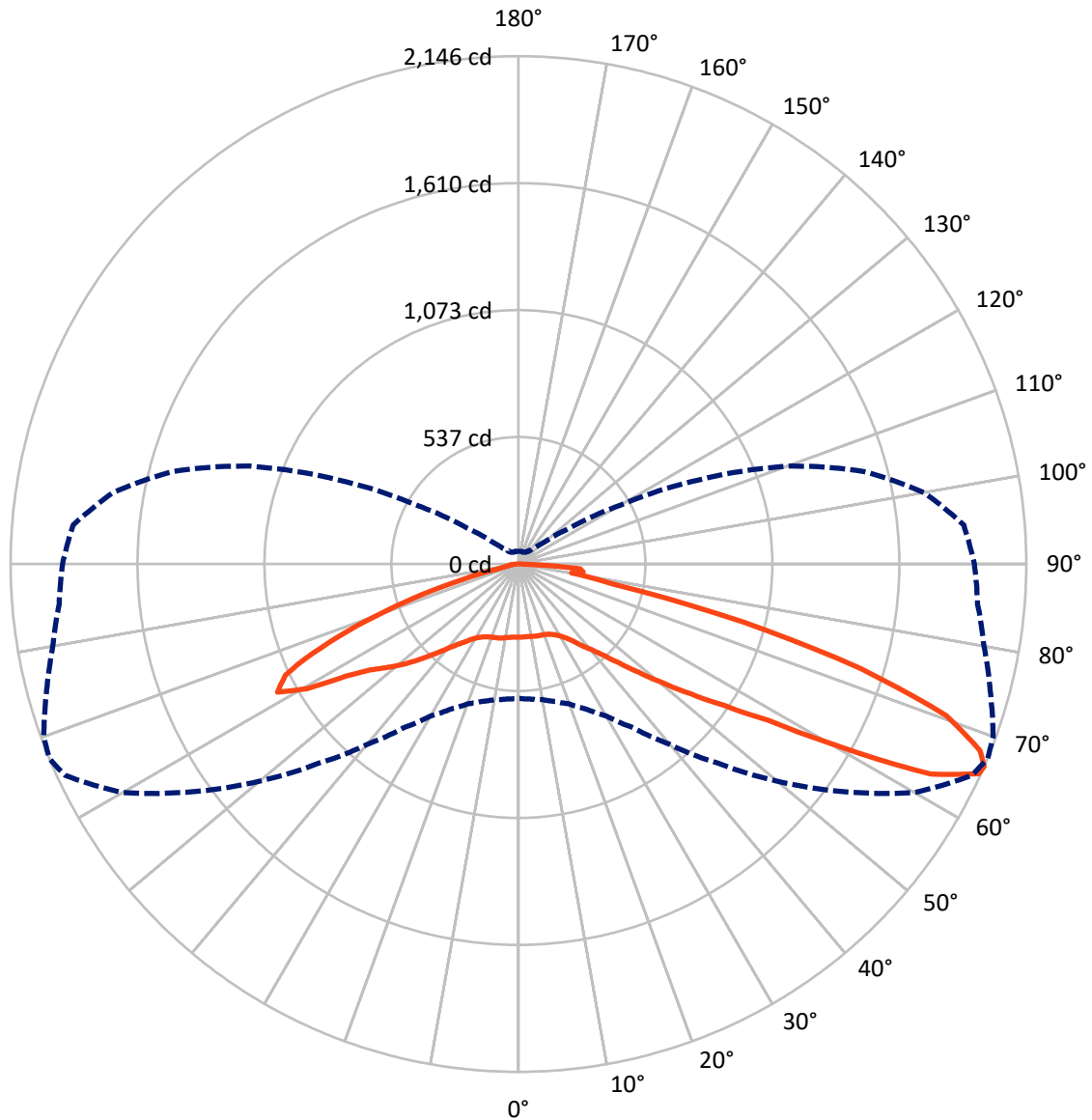
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 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	990.7	0.0	990.7
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1878.1	0.0	1878.1
	% Fixture	65.5	0.0	65.5
Total	Lumens	2868.8	0.0	2868.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	1.0
10°-20°	87.4	3.0
20°-30°	150.2	5.2
30°-40°	243.9	8.5
40°-50°	407.1	14.2
50°-60°	641.1	22.3
60°-70°	874.2	30.5
70°-80°	378.4	13.2
80°-90°	56.9	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°	2868.8	100.0
0°-180°	2868.8	100.0



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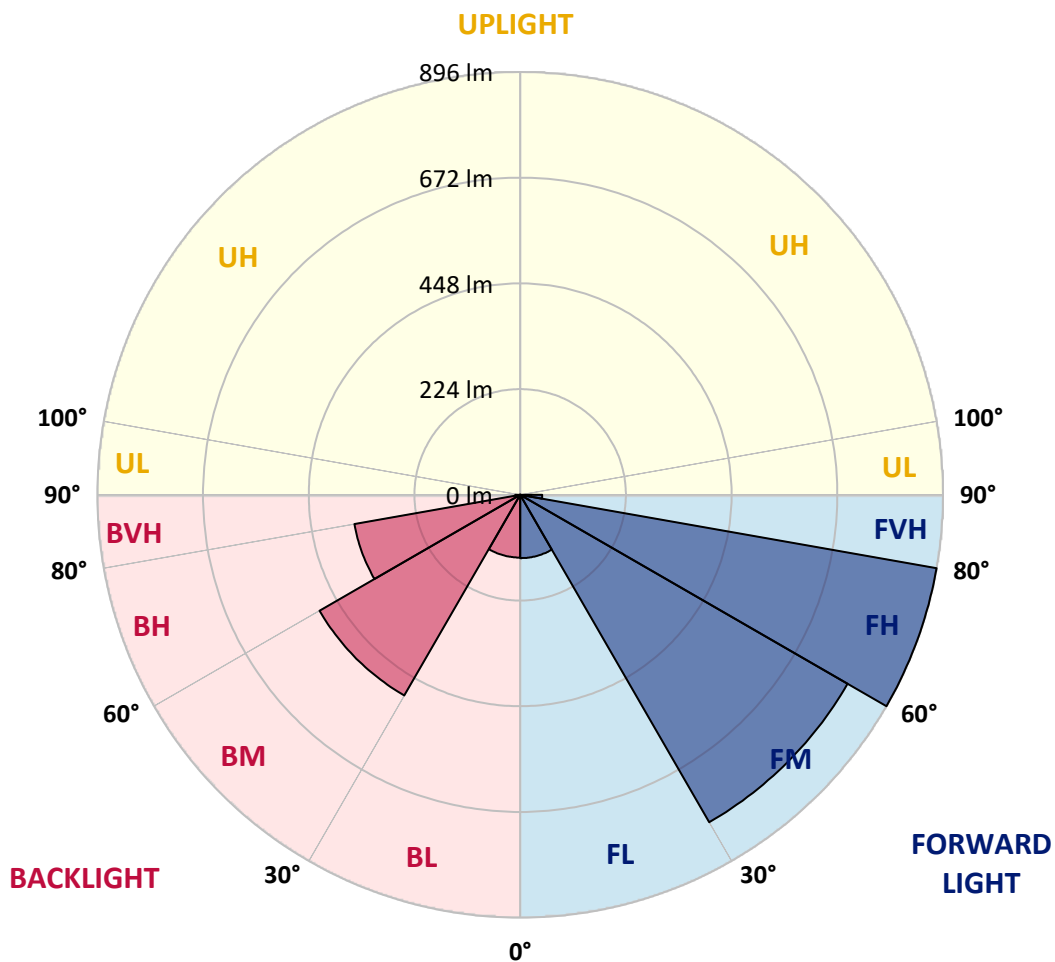
CATALOG NUMBER: ICM-E01-LED-E1-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.2	4.7			
FM	(30°-60°)	801.2	27.9			
FH	(60°-80°)	896.0	31.2			G1/1800
FVH	(80°-90°)	46.7	1.6			G1/100
BL	(0°-30°)	133.0	4.6	B1/500		
BM	(30°-60°)	490.9	17.1	B1/1000		
BH	(60°-80°)	356.6	12.4	B1/500		G1/500
BVH	(80°-90°)	10.2	0.4			G1/100
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°	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1
2.5°	310.4	311.6	310.4	310.7	311.0	310.7	310.4	310.4	309.5	310.0	310.7
5°	309.1	310.0	309.8	310.0	310.4	310.0	309.8	310.0	309.5	309.8	310.7
7.5°	307.6	307.3	307.6	308.2	308.8	308.8	308.8	309.1	308.8	308.8	309.8
10°	303.0	303.3	303.9	304.8	305.1	306.0	306.0	307.0	307.3	307.9	309.1
12.5°	297.0	297.4	298.0	298.6	300.2	301.7	301.7	303.9	304.8	306.3	308.6
15°	292.7	293.0	293.7	294.2	295.5	297.0	298.0	300.5	302.0	304.8	307.9
17.5°	295.2	294.9	295.5	295.8	295.8	297.0	297.0	298.9	300.7	303.3	307.3
20°	302.3	302.3	303.0	303.0	302.6	303.3	302.0	302.0	302.3	303.5	306.3
22.5°	309.5	309.1	310.4	311.0	311.4	312.3	311.0	310.7	309.1	308.2	309.1
25°	316.3	316.0	317.5	318.4	320.0	320.9	320.9	320.9	319.7	318.1	317.2
27.5°	326.8	326.8	328.4	329.3	330.5	332.4	333.3	333.3	333.7	331.4	330.0
30°	344.5	344.8	345.1	346.3	347.6	348.2	349.5	350.4	351.4	350.0	347.6
32.5°	365.6	363.7	363.7	365.6	367.2	369.0	369.6	370.9	372.7	371.8	371.4
35°	390.7	390.0	389.5	390.0	391.9	394.1	396.6	398.8	397.5	399.4	398.4
37.5°	427.9	428.6	428.8	428.8	428.6	429.1	430.4	432.6	431.9	432.6	433.8
40°	489.3	487.2	484.9	485.3	482.1	482.8	477.9	480.0	480.3	478.1	479.1
42.5°	550.7	551.9	552.8	555.4	553.2	551.9	547.3	547.3	544.8	542.6	542.0
45°	617.0	619.5	619.8	624.8	623.0	627.0	630.4	629.5	625.4	625.1	620.7
47.5°	670.1	674.1	678.4	684.4	689.0	698.0	708.6	713.8	716.9	719.4	714.4
50°	709.8	711.6	722.8	732.1	742.3	757.2	771.8	790.7	805.9	813.0	819.8
52.5°	731.2	735.8	747.9	762.5	780.5	802.8	826.3	856.5	882.5	899.8	915.4
55°	735.8	740.5	754.1	772.7	797.2	827.3	861.1	902.1	941.1	974.6	1007.2
57.5°	722.8	728.1	742.6	764.0	792.8	829.5	871.9	925.6	979.5	1033.8	1081.9
60°	698.9	705.4	718.8	739.8	771.8	813.0	863.9	931.2	1006.8	1090.0	1182.1
62.5°	659.5	666.3	678.8	702.1	734.9	780.5	839.4	923.1	1030.1	1160.9	1324.4
65°	596.3	599.4	614.6	638.1	667.3	717.5	782.3	883.4	1022.6	1204.7	1429.8
66°	567.7	573.0	582.3	601.2	629.1	676.3	741.4	844.0	994.4	1189.5	1427.0
67.5°	523.1	527.2	533.3	546.0	563.1	597.9	659.5	756.6	908.2	1112.6	1367.7
70°	423.0	424.8	433.2	437.5	443.4	454.9	477.2	533.0	651.2	843.1	1103.9
72.5°	288.4	293.7	302.6	315.1	331.2	346.7	357.2	364.4	389.8	503.0	735.5
75°	211.4	217.0	228.6	244.9	273.2	305.4	338.9	354.4	343.9	329.3	409.6
77.5°	122.8	130.2	139.8	155.6	181.7	224.5	281.9	332.7	367.2	369.3	350.7
80°	51.8	52.7	58.6	66.7	82.8	112.8	157.5	230.7	307.0	358.4	370.5
82.5°	11.8	14.6	18.6	22.0	27.0	37.2	55.2	91.8	165.9	260.2	339.3
85°	4.4	4.4	5.9	8.7	10.0	11.2	14.6	23.3	39.7	73.2	152.6
87.5°	0.0	0.3	0.7	0.7	1.2	1.6	2.5	3.4	3.1	2.8	9.3
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°	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1
2.5°	310.0	309.8	309.1	309.1	309.1	309.1	308.6	308.8	308.2	308.6	308.6
5°	309.8	309.8	309.5	308.8	309.1	309.1	309.5	308.8	308.8	309.1	308.8
7.5°	309.8	309.5	309.5	309.5	309.8	309.5	309.8	309.8	309.8	310.0	310.0
10°	309.8	309.8	310.4	310.7	310.7	311.0	311.9	311.9	312.3	312.6	313.2
12.5°	310.0	311.4	312.3	313.2	313.5	314.1	315.6	315.6	316.3	317.2	317.5
15°	310.4	312.3	314.1	314.7	315.4	316.6	318.1	318.8	319.7	320.7	321.2
17.5°	310.0	312.6	314.7	315.6	316.6	318.1	320.0	320.7	321.9	323.1	324.4
20°	309.8	313.2	316.6	317.9	319.1	321.2	323.7	325.3	326.5	328.4	329.6
22.5°	311.6	315.6	320.3	322.1	324.4	327.2	330.5	332.4	334.0	335.8	336.7
25°	317.5	320.7	326.2	329.3	332.1	336.7	341.4	343.5	345.4	347.0	347.3
27.5°	327.4	328.4	335.2	339.3	343.3	350.7	356.3	357.9	361.2	362.5	362.1
30°	343.5	342.0	347.6	353.8	359.7	370.0	376.7	380.7	383.9	383.9	381.4
32.5°	366.8	364.4	365.9	373.0	379.8	394.7	402.8	408.1	410.2	409.6	404.4
35°	397.2	395.6	394.7	400.3	411.2	428.6	439.1	441.9	445.3	444.7	437.9
37.5°	433.2	431.9	431.9	438.4	449.0	474.7	486.2	488.1	487.7	482.8	470.0
40°	475.6	475.1	472.3	476.0	484.9	518.4	534.0	536.5	533.0	524.9	510.0
42.5°	536.7	533.0	524.4	526.5	533.3	565.9	586.1	592.8	589.5	581.4	557.2
45°	616.5	612.4	597.9	596.0	599.7	628.2	654.2	655.8	655.2	644.9	616.5
47.5°	710.1	703.9	688.4	683.4	682.1	708.6	733.7	736.1	734.6	719.4	681.2
50°	811.4	802.5	792.3	788.8	783.9	802.8	828.2	828.6	822.3	801.2	765.6
52.5°	919.7	916.6	914.7	911.4	909.1	925.6	941.1	931.8	922.5	900.5	869.5
55°	1028.8	1041.6	1054.6	1055.8	1059.5	1077.2	1076.9	1051.4	1044.7	1032.6	1001.9
57.5°	1144.8	1191.9	1232.8	1245.6	1258.0	1290.9	1287.7	1262.6	1254.0	1239.1	1213.7
60°	1302.6	1429.8	1547.9	1576.1	1595.6	1635.1	1631.4	1592.6	1610.5	1609.3	1576.5
62.5°	1523.7	1735.2	1912.3	1955.6	1969.3	1973.7	1950.1	1908.2	1925.9	1945.8	1844.7
65°	1673.5	1922.2	2103.9	2137.4	2139.3	2087.5	2035.1	1985.8	1981.4	1964.4	1819.8
66°	1676.9	1931.5	2113.8	2146.3	2134.9	2064.2	1997.9	1948.2	1926.8	1889.3	1739.5
67.5°	1616.8	1873.5	2069.8	2104.2	2079.1	1978.9	1887.5	1823.5	1781.7	1720.9	1588.8
70°	1357.9	1612.4	1854.2	1918.4	1926.5	1777.0	1650.2	1575.2	1518.8	1435.4	1321.6
72.5°	1009.6	1239.7	1453.0	1514.4	1545.8	1426.3	1319.4	1262.3	1185.1	1097.4	1016.5
75°	632.8	795.4	938.3	981.4	951.9	859.5	795.4	771.4	695.5	643.1	606.2
77.5°	361.9	412.7	424.2	407.7	373.0	285.6	203.1	150.4	130.5	144.5	159.3
80°	353.2	323.7	258.0	227.0	205.6	141.4	83.1	57.0	47.4	48.7	52.7
82.5°	382.6	410.5	338.0	275.6	231.4	156.3	86.2	45.9	31.0	36.6	41.2
85°	248.7	346.0	311.6	262.6	212.7	133.7	71.0	23.9	15.8	20.7	28.6
87.5°	25.1	27.6	23.5	31.9	23.9	11.2	5.6	3.4	3.1	3.7	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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1
2.5°	308.8	308.8	309.1	309.5	309.8	310.0	310.0	310.0	310.0	310.7	310.4
5°	309.5	310.0	310.7	311.0	311.6	311.6	312.6	312.3	312.3	313.2	313.5
7.5°	310.7	311.6	312.8	312.6	313.8	313.5	314.1	314.1	313.2	313.5	312.8
10°	313.5	314.7	315.4	314.4	314.7	313.5	313.2	311.6	309.8	308.8	307.6
12.5°	318.1	319.4	319.4	317.9	316.0	313.2	311.0	307.6	304.8	303.3	301.7
15°	322.1	323.4	323.1	320.7	317.9	313.5	310.4	306.3	302.3	299.8	298.3
17.5°	325.3	325.9	324.9	321.6	318.4	314.4	311.4	307.0	302.3	299.3	296.5
20°	330.0	329.3	327.2	322.8	319.4	315.6	313.2	309.5	304.2	300.2	296.1
22.5°	336.7	334.2	330.2	325.6	322.1	318.8	316.3	312.3	307.0	302.0	297.4
25°	345.8	340.7	335.2	330.2	327.2	323.4	320.7	316.3	310.7	305.1	299.5
27.5°	358.8	350.0	343.0	338.6	335.2	330.5	327.2	321.6	315.6	309.1	303.0
30°	373.3	361.6	354.7	351.4	347.6	342.6	337.4	330.2	323.4	316.3	308.8
32.5°	392.3	378.0	371.4	368.1	363.1	356.9	350.7	342.6	333.0	323.7	314.7
35°	417.0	402.5	395.6	390.4	383.5	375.5	366.5	355.6	342.6	330.2	318.8
37.5°	443.7	427.9	421.4	415.8	405.6	395.1	382.3	366.5	348.8	332.4	318.1
40°	477.5	463.0	454.6	444.9	432.8	414.6	394.7	371.8	349.1	329.0	312.3
42.5°	520.3	505.8	493.3	478.1	457.0	428.8	400.7	370.9	343.5	320.7	302.6
45°	577.0	559.4	538.0	511.4	477.2	437.9	400.9	364.9	333.0	307.6	288.4
47.5°	646.5	619.5	584.5	539.5	490.5	440.3	396.0	353.2	316.6	289.0	267.6
50°	729.0	686.5	628.8	562.8	497.4	436.6	383.5	335.5	293.3	263.9	238.4
52.5°	823.3	753.8	668.8	579.5	497.0	424.2	362.5	308.8	263.0	230.0	205.9
55°	934.0	830.7	710.1	591.9	488.4	401.2	330.2	271.4	225.4	195.1	172.7
57.5°	1096.1	955.4	782.1	611.2	471.0	365.9	286.5	226.3	186.0	157.2	138.3
60°	1392.6	1163.4	911.6	650.0	444.4	314.1	235.4	178.3	144.5	121.2	108.6
62.5°	1615.8	1324.4	981.7	641.2	390.7	250.2	174.6	130.0	106.3	90.5	82.5
65°	1583.9	1274.4	907.0	552.3	306.3	176.5	116.0	88.4	73.2	65.8	61.1
66°	1511.6	1209.3	842.1	497.0	264.8	146.7	95.5	74.1	63.0	57.7	54.6
67.5°	1374.6	1088.4	726.2	407.4	203.4	106.3	71.9	58.6	51.2	49.0	46.8
70°	1142.6	867.9	509.8	237.2	103.9	59.3	45.6	40.9	39.1	38.8	38.1
72.5°	875.6	614.2	300.2	112.3	54.0	39.3	35.3	33.8	33.2	33.2	33.5
75°	536.7	345.1	132.7	54.9	37.9	33.2	31.3	30.7	30.4	30.7	30.4
77.5°	179.3	109.8	56.7	41.6	34.4	30.7	29.5	28.8	28.8	28.8	28.8
80°	54.9	47.7	43.4	38.4	32.6	29.1	27.3	27.0	27.3	27.6	26.7
82.5°	41.2	39.1	36.6	34.1	29.5	26.0	25.4	25.4	25.4	24.5	23.3
85°	30.4	30.0	24.8	23.3	21.7	21.7	21.7	21.7	20.7	19.3	18.0
87.5°	5.6	5.3	5.6	5.9	8.7	9.3	9.3	10.0	10.9	10.2	10.2
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):

	160°	165°	170°	175°	180°
0°	309.1	309.1	309.1	309.1	309.1
2.5°	310.4	310.0	311.0	310.4	310.7
5°	313.2	312.8	313.5	312.8	313.8
7.5°	312.3	311.6	311.4	311.6	311.9
10°	305.8	305.1	304.8	304.5	304.8
12.5°	300.2	298.9	298.9	298.3	298.6
15°	296.1	295.2	294.9	294.2	294.6
17.5°	294.2	292.7	292.1	291.4	291.4
20°	293.0	291.2	290.2	289.6	289.3
22.5°	293.0	290.2	289.0	288.4	288.1
25°	294.2	290.9	289.0	288.1	287.7
27.5°	296.7	292.4	290.2	289.0	289.0
30°	301.1	295.5	292.4	290.9	290.5
32.5°	305.4	298.0	293.7	291.8	291.2
35°	307.6	298.0	292.7	289.6	289.0
37.5°	305.1	294.0	287.4	282.8	281.9
40°	297.4	285.6	278.4	274.1	273.5
42.5°	287.2	275.6	267.3	264.2	263.3
45°	273.2	259.5	251.2	246.8	247.2
47.5°	249.3	235.4	227.9	223.9	224.5
50°	221.1	207.4	200.9	196.6	197.5
52.5°	190.0	177.7	171.4	169.3	168.7
55°	157.5	147.9	143.5	141.1	140.2
57.5°	127.7	120.9	117.9	114.7	115.1
60°	100.7	97.4	96.5	93.0	92.7
62.5°	79.3	77.2	76.3	73.8	74.1
65°	60.2	59.5	60.2	58.6	59.3
66°	54.2	54.6	54.6	53.7	54.2
67.5°	46.8	47.4	48.4	47.4	48.1
70°	38.8	39.3	40.0	40.0	40.0
72.5°	33.8	34.4	34.7	34.7	34.7
75°	31.0	31.3	31.6	31.0	31.0
77.5°	29.1	29.1	28.6	28.2	27.9
80°	26.3	26.0	25.1	24.5	24.5
82.5°	22.0	21.4	20.7	19.8	19.8
85°	16.7	16.1	15.5	14.2	13.7
87.5°	8.7	9.0	8.7	7.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

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