

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: P181477

Luminaire Tested: **ICS-E01-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181477
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: ICS-E01-LED-E1-T3-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2342.7 lumens
Efficiency: N/A
Efficacy: 94.8 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

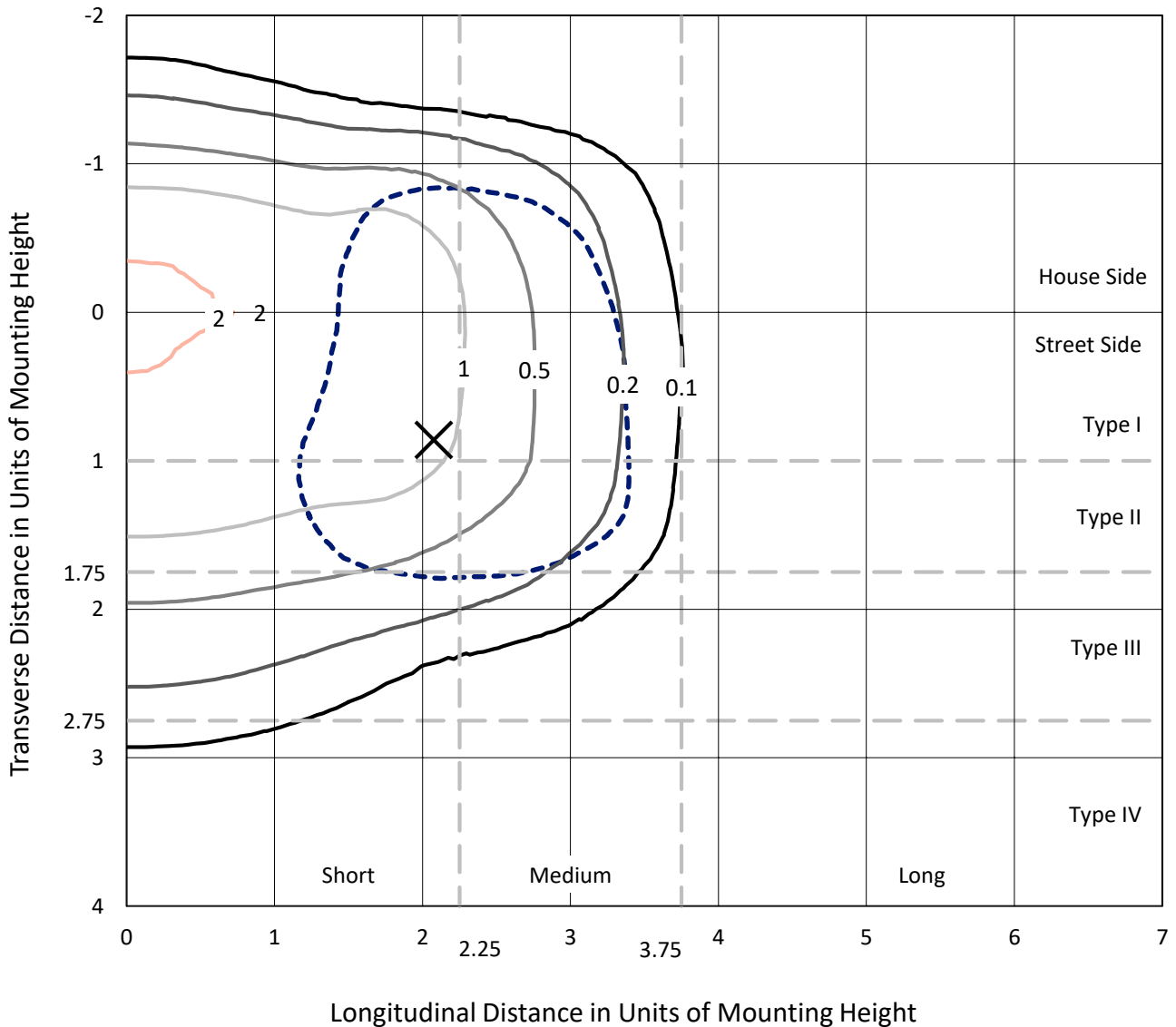
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

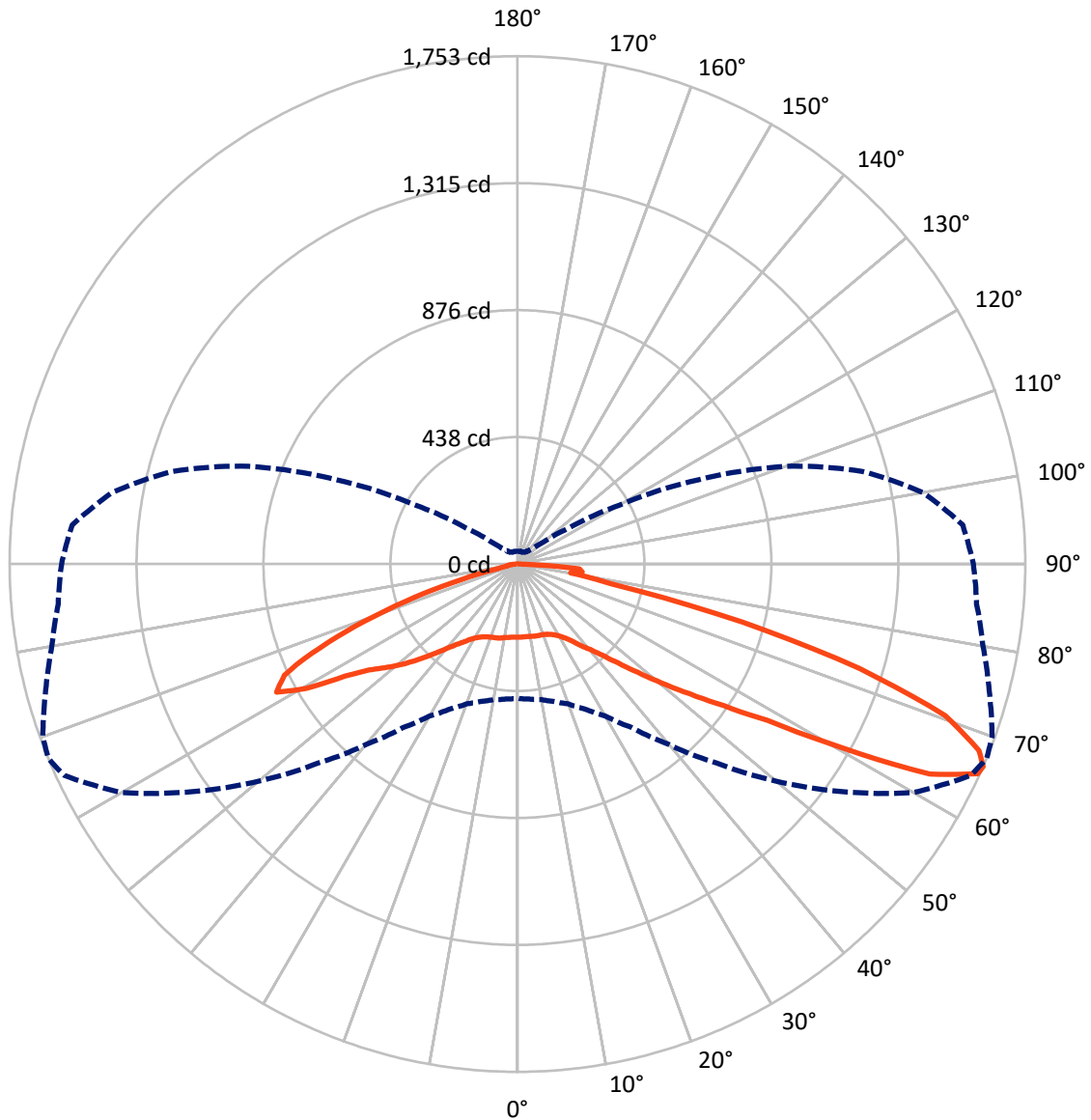
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 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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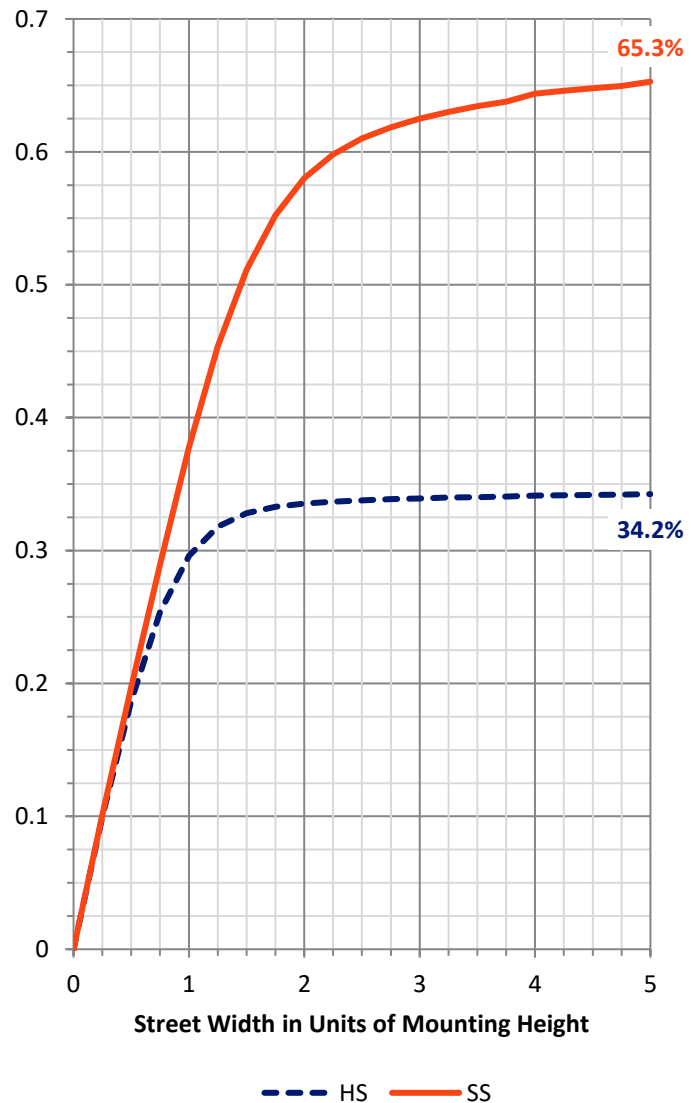
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.0	0.0	809.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1533.7	0.0	1533.7
	% Fixture	65.5	0.0	65.5
Total	Lumens	2342.7	0.0	2342.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	1.0
10°-20°	71.4	3.0
20°-30°	122.6	5.2
30°-40°	199.1	8.5
40°-50°	332.5	14.2
50°-60°	523.5	22.3
60°-70°	713.9	30.5
70°-80°	309.0	13.2
80°-90°	46.5	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°	2342.7	100.0
0°-180°	2342.7	100.0

Coefficient of Utilization



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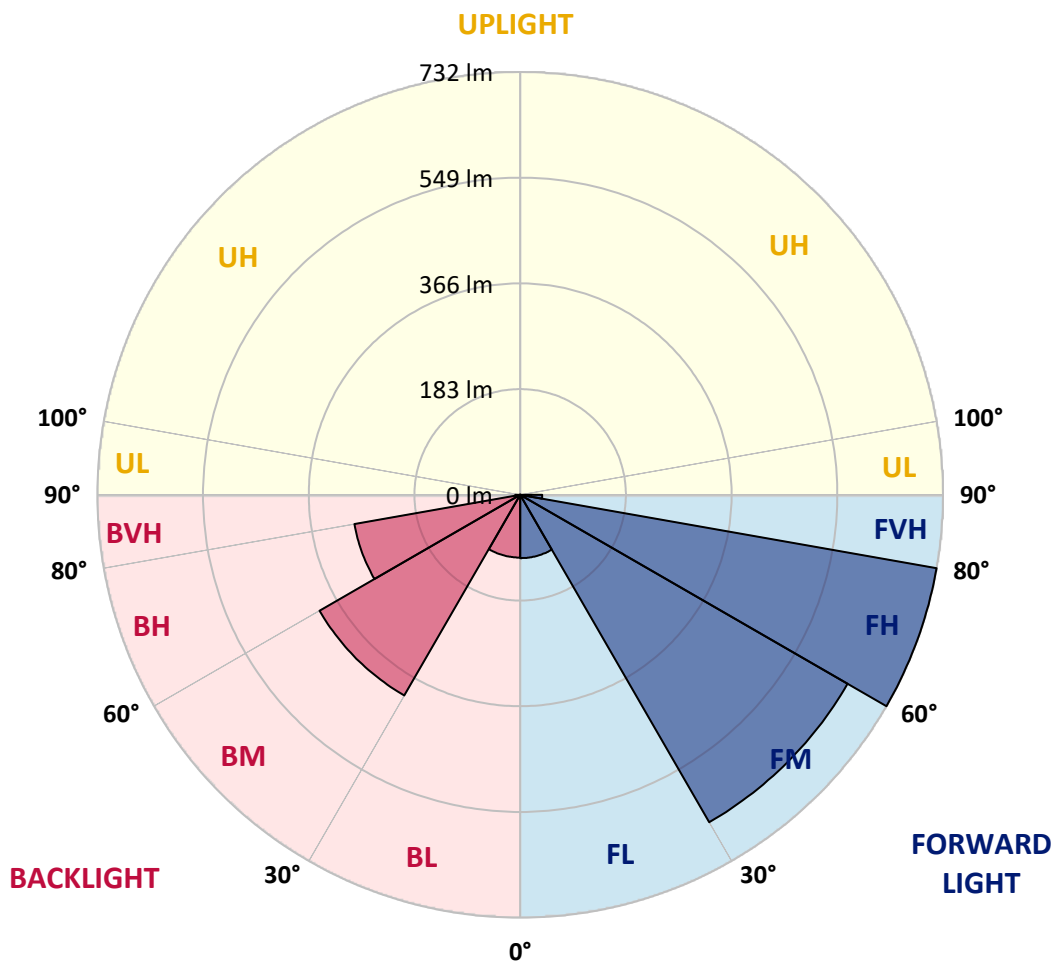
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.6	4.7			
FM	(30°-60°)	654.2	27.9			
FH	(60°-80°)	731.7	31.2			G1/1800
FVH	(80°-90°)	38.2	1.6			G1/100
BL	(0°-30°)	108.6	4.6	B0/110		
BM	(30°-60°)	400.9	17.1	B1/1000		
BH	(60°-80°)	291.2	12.4	B1/500		G1/500
BVH	(80°-90°)	8.3	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°	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5
2.5°	253.5	254.5	253.5	253.7	254.0	253.7	253.5	253.5	252.7	253.2	253.7
5°	252.5	253.2	253.0	253.2	253.5	253.2	253.0	253.2	252.7	253.0	253.7
7.5°	251.2	250.9	251.2	251.7	252.2	252.2	252.2	252.5	252.2	252.2	253.0
10°	247.4	247.6	248.1	248.9	249.2	249.9	249.9	250.7	250.9	251.4	252.5
12.5°	242.6	242.8	243.3	243.8	245.1	246.4	246.4	248.1	248.9	250.2	251.9
15°	239.0	239.3	239.8	240.3	241.3	242.6	243.3	245.4	246.6	248.9	251.4
17.5°	241.1	240.8	241.3	241.6	241.6	242.6	242.6	244.1	245.6	247.6	250.9
20°	246.9	246.9	247.4	247.4	247.1	247.6	246.6	246.6	246.9	247.9	250.2
22.5°	252.7	252.5	253.5	254.0	254.2	255.0	254.0	253.7	252.5	251.7	252.5
25°	258.3	258.0	259.3	260.0	261.3	262.1	262.1	262.1	261.1	259.8	259.0
27.5°	266.9	266.9	268.2	268.9	269.9	271.4	272.2	272.2	272.5	270.7	269.4
30°	281.3	281.6	281.8	282.8	283.8	284.4	285.4	286.1	286.9	285.9	283.8
32.5°	298.5	297.0	297.0	298.5	299.8	301.3	301.8	302.8	304.4	303.6	303.3
35°	319.0	318.5	318.0	318.5	320.1	321.8	323.9	325.6	324.6	326.1	325.4
37.5°	349.4	349.9	350.2	350.2	349.9	350.4	351.5	353.2	352.7	353.2	354.2
40°	399.6	397.8	396.0	396.3	393.7	394.2	390.2	392.0	392.2	390.5	391.2
42.5°	449.7	450.7	451.5	453.5	451.7	450.7	446.9	446.9	444.9	443.1	442.6
45°	503.9	505.9	506.2	510.2	508.7	512.0	514.8	514.0	510.7	510.5	506.9
47.5°	547.2	550.5	554.0	558.8	562.6	570.0	578.6	582.9	585.4	587.4	583.4
50°	579.6	581.1	590.2	597.8	606.2	618.3	630.2	645.7	658.1	663.9	669.5
52.5°	597.1	600.9	610.7	622.6	637.3	655.6	674.8	699.4	720.6	734.8	747.5
55°	600.9	604.7	615.8	631.0	651.0	675.6	703.2	736.6	768.5	795.8	822.4
57.5°	590.2	594.5	606.4	623.9	647.5	677.3	712.0	755.8	799.9	844.2	883.5
60°	570.7	576.1	586.9	604.2	630.2	663.9	705.4	760.4	822.2	890.0	965.2
62.5°	538.6	544.2	554.3	573.3	600.1	637.3	685.4	753.8	841.2	948.0	1081.5
65°	486.9	489.5	501.9	521.1	544.9	585.9	638.9	721.4	835.1	983.7	1167.6
66°	463.6	467.9	475.5	491.0	513.8	552.3	605.4	689.2	812.0	971.3	1165.3
67.5°	427.2	430.5	435.5	445.9	459.8	488.2	538.6	617.8	741.7	908.5	1116.9
70°	345.4	346.9	353.7	357.3	362.1	371.5	389.7	435.3	531.7	688.5	901.4
72.5°	235.5	239.8	247.1	257.3	270.4	283.1	291.7	297.5	318.3	410.7	600.6
75°	172.7	177.2	186.6	200.0	223.1	249.4	276.8	289.4	280.8	268.9	334.5
77.5°	100.3	106.3	114.2	127.1	148.4	183.3	230.2	271.7	299.8	301.6	286.4
80°	42.3	43.0	47.9	54.4	67.6	92.2	128.6	188.4	250.7	292.7	302.6
82.5°	9.6	11.9	15.2	18.0	22.0	30.4	45.1	75.0	135.5	212.4	277.0
85°	3.5	3.5	4.8	7.1	8.1	9.1	11.9	19.0	32.4	59.8	124.6
87.5°	0.0	0.3	0.5	0.5	1.0	1.3	2.0	2.8	2.5	2.3	7.6
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5
2.5°	253.2	253.0	252.5	252.5	252.5	252.5	251.9	252.2	251.7	251.9	251.9
5°	253.0	253.0	252.7	252.2	252.5	252.5	252.7	252.2	252.2	252.5	252.2
7.5°	253.0	252.7	252.7	252.7	253.0	252.7	253.0	253.0	253.0	253.2	253.2
10°	253.0	253.0	253.5	253.7	253.7	254.0	254.7	254.7	255.0	255.2	255.7
12.5°	253.2	254.2	255.0	255.7	256.0	256.5	257.8	257.8	258.3	259.0	259.3
15°	253.5	255.0	256.5	257.0	257.5	258.5	259.8	260.3	261.1	261.8	262.3
17.5°	253.2	255.2	257.0	257.8	258.5	259.8	261.3	261.8	262.8	263.8	264.9
20°	253.0	255.7	258.5	259.5	260.6	262.3	264.4	265.6	266.6	268.2	269.2
22.5°	254.5	257.8	261.6	263.1	264.9	267.1	269.9	271.4	272.7	274.2	275.0
25°	259.3	261.8	266.4	268.9	271.2	275.0	278.8	280.6	282.1	283.3	283.6
27.5°	267.4	268.2	273.7	277.0	280.3	286.4	290.9	292.2	295.0	296.0	295.8
30°	280.6	279.3	283.8	288.9	293.7	302.1	307.7	310.9	313.5	313.5	311.4
32.5°	299.5	297.5	298.8	304.6	310.2	322.3	328.9	333.2	335.0	334.5	330.2
35°	324.4	323.1	322.3	326.9	335.8	349.9	358.5	360.8	363.6	363.1	357.5
37.5°	353.7	352.7	352.7	358.0	366.6	387.7	397.0	398.6	398.3	394.2	383.9
40°	388.4	387.9	385.6	388.7	396.0	423.4	436.0	438.1	435.3	428.7	416.5
42.5°	438.3	435.3	428.2	430.0	435.5	462.1	478.6	484.1	481.4	474.8	455.0
45°	503.4	500.1	488.2	486.7	489.7	513.0	534.3	535.5	535.0	526.7	503.4
47.5°	579.9	574.8	562.1	558.1	557.1	578.6	599.1	601.1	599.9	587.4	556.3
50°	662.7	655.3	647.0	644.2	640.1	655.6	676.3	676.6	671.5	654.3	625.2
52.5°	751.0	748.5	747.0	744.2	742.4	755.8	768.5	760.9	753.3	735.3	710.0
55°	840.2	850.5	861.2	862.2	865.2	879.7	879.4	858.6	853.1	843.2	818.1
57.5°	934.9	973.3	1006.8	1017.1	1027.3	1054.1	1051.6	1031.1	1024.0	1011.8	991.1
60°	1063.7	1167.6	1264.0	1287.1	1303.0	1335.2	1332.1	1300.5	1315.2	1314.2	1287.3
62.5°	1244.3	1417.0	1561.6	1597.0	1608.1	1611.7	1592.4	1558.3	1572.7	1588.9	1506.4
65°	1366.6	1569.7	1718.0	1745.4	1746.9	1704.6	1661.8	1621.6	1618.0	1604.1	1486.1
66°	1369.4	1577.3	1726.1	1752.7	1743.4	1685.6	1631.4	1590.9	1573.5	1542.8	1420.5
67.5°	1320.2	1529.9	1690.2	1718.3	1697.8	1616.0	1541.3	1489.1	1455.0	1405.3	1297.5
70°	1108.8	1316.7	1514.2	1566.6	1573.2	1451.2	1347.6	1286.3	1240.2	1172.1	1079.2
72.5°	824.5	1012.3	1186.5	1236.7	1262.3	1164.8	1077.4	1030.8	967.8	896.1	830.0
75°	516.8	649.5	766.2	801.4	777.4	701.9	649.5	630.0	568.0	525.2	495.0
77.5°	295.5	337.0	346.4	333.0	304.6	233.2	165.9	122.8	106.6	118.0	130.2
80°	288.4	264.4	210.7	185.4	167.9	115.5	67.9	46.6	38.7	39.8	43.0
82.5°	312.5	335.3	276.0	225.1	188.9	127.6	70.4	37.5	25.3	29.9	33.7
85°	203.1	282.6	254.5	214.5	173.7	109.1	58.0	19.5	12.9	17.0	23.3
87.5°	20.5	22.5	19.2	26.1	19.5	9.1	4.6	2.8	2.5	3.0	4.6
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°	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5	252.5
2.5°	252.2	252.2	252.5	252.7	253.0	253.2	253.2	253.2	253.2	253.7	253.5
5°	252.7	253.2	253.7	254.0	254.5	254.5	255.2	255.0	255.0	255.7	256.0
7.5°	253.7	254.5	255.5	255.2	256.2	256.0	256.5	256.5	255.7	256.0	255.5
10°	256.0	257.0	257.5	256.8	257.0	256.0	255.7	254.5	253.0	252.2	251.2
12.5°	259.8	260.8	260.8	259.5	258.0	255.7	254.0	251.2	248.9	247.6	246.4
15°	263.1	264.1	263.8	261.8	259.5	256.0	253.5	250.2	246.9	244.9	243.6
17.5°	265.6	266.1	265.4	262.6	260.0	256.8	254.2	250.7	246.9	244.3	242.1
20°	269.4	268.9	267.1	263.6	260.8	257.8	255.7	252.7	248.4	245.1	241.8
22.5°	275.0	273.0	269.7	265.9	263.1	260.3	258.3	255.0	250.7	246.6	242.8
25°	282.3	278.3	273.7	269.7	267.1	264.1	261.8	258.3	253.7	249.2	244.6
27.5°	293.0	285.9	280.1	276.5	273.7	269.9	267.1	262.6	257.8	252.5	247.4
30°	304.9	295.2	289.7	286.9	283.8	279.8	275.5	269.7	264.1	258.3	252.2
32.5°	320.3	308.7	303.3	300.6	296.5	291.4	286.4	279.8	271.9	264.4	257.0
35°	340.6	328.7	323.1	318.8	313.2	306.6	299.3	290.4	279.8	269.7	260.3
37.5°	362.3	349.4	344.1	339.6	331.2	322.6	312.2	299.3	284.9	271.4	259.8
40°	389.9	378.0	371.2	363.4	353.5	338.5	322.3	303.6	285.1	268.7	255.0
42.5°	424.9	413.0	402.9	390.5	373.2	350.2	327.1	302.8	280.6	261.8	247.1
45°	471.2	456.8	439.3	417.5	389.7	357.5	327.4	298.0	271.9	251.2	235.5
47.5°	527.9	505.9	477.3	440.6	400.6	359.6	323.4	288.4	258.5	236.0	218.5
50°	595.3	560.6	513.5	459.6	406.2	356.5	313.2	274.0	239.5	215.5	194.7
52.5°	672.3	615.6	546.2	473.3	405.9	346.4	296.0	252.2	214.7	187.9	168.1
55°	762.7	678.4	579.9	483.4	398.8	327.7	269.7	221.6	184.1	159.3	141.0
57.5°	895.1	780.1	638.6	499.1	384.6	298.8	234.0	184.8	151.9	128.4	112.9
60°	1137.2	950.0	744.4	530.7	362.9	256.5	192.2	145.6	118.0	99.0	88.6
62.5°	1319.5	1081.5	801.7	523.6	319.0	204.3	142.6	106.1	86.9	73.9	67.4
65°	1293.4	1040.7	740.6	451.0	250.2	144.1	94.7	72.2	59.8	53.7	49.9
66°	1234.4	987.5	687.7	405.9	216.2	119.8	78.0	60.5	51.4	47.1	44.6
67.5°	1122.5	888.8	593.0	332.7	166.1	86.9	58.7	47.9	41.8	40.0	38.2
70°	933.1	708.7	416.3	193.7	84.8	48.4	37.2	33.4	31.9	31.7	31.1
72.5°	715.1	501.6	245.1	91.7	44.1	32.2	28.9	27.6	27.1	27.1	27.3
75°	438.3	281.8	108.4	44.8	30.9	27.1	25.6	25.1	24.8	25.1	24.8
77.5°	146.4	89.6	46.3	33.9	28.1	25.1	24.1	23.5	23.5	23.5	23.5
80°	44.8	39.0	35.4	31.4	26.6	23.8	22.3	22.0	22.3	22.5	21.8
82.5°	33.7	31.9	29.9	27.9	24.1	21.3	20.8	20.8	20.8	20.0	19.0
85°	24.8	24.6	20.3	19.0	17.7	17.7	17.7	17.7	17.0	15.7	14.7
87.5°	4.6	4.3	4.6	4.8	7.1	7.6	7.6	8.1	8.9	8.4	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):

	160°	165°	170°	175°	180°
0°	252.5	252.5	252.5	252.5	252.5
2.5°	253.5	253.2	254.0	253.5	253.7
5°	255.7	255.5	256.0	255.5	256.2
7.5°	255.0	254.5	254.2	254.5	254.7
10°	249.7	249.2	248.9	248.7	248.9
12.5°	245.1	244.1	244.1	243.6	243.8
15°	241.8	241.1	240.8	240.3	240.6
17.5°	240.3	239.0	238.5	238.0	238.0
20°	239.3	237.8	237.0	236.5	236.2
22.5°	239.3	237.0	236.0	235.5	235.2
25°	240.3	237.5	236.0	235.2	235.0
27.5°	242.3	238.8	237.0	236.0	236.0
30°	245.9	241.3	238.8	237.5	237.3
32.5°	249.4	243.3	239.8	238.3	237.8
35°	251.2	243.3	239.0	236.5	236.0
37.5°	249.2	240.0	234.7	230.9	230.2
40°	242.8	233.2	227.4	223.8	223.3
42.5°	234.5	225.1	218.3	215.7	215.0
45°	223.1	211.9	205.1	201.6	201.8
47.5°	203.6	192.2	186.1	182.8	183.3
50°	180.5	169.4	164.1	160.5	161.3
52.5°	155.2	145.1	140.0	138.3	137.7
55°	128.6	120.8	117.2	115.2	114.5
57.5°	104.3	98.8	96.2	93.7	93.9
60°	82.3	79.5	78.7	76.0	75.7
62.5°	64.8	63.0	62.3	60.3	60.5
65°	49.1	48.6	49.1	47.9	48.4
66°	44.3	44.6	44.6	43.8	44.3
67.5°	38.2	38.7	39.5	38.7	39.2
70°	31.7	32.2	32.7	32.7	32.7
72.5°	27.6	28.1	28.4	28.4	28.4
75°	25.3	25.6	25.8	25.3	25.3
77.5°	23.8	23.8	23.3	23.0	22.8
80°	21.5	21.3	20.5	20.0	20.0
82.5°	18.0	17.5	17.0	16.2	16.2
85°	13.7	13.2	12.7	11.6	11.1
87.5°	7.1	7.3	7.1	5.8	5.1
90°	0.0	0.0	0.0	0.0	0.0

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