

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: P181478

Luminaire Tested: **ICS-E01-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181478
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-T3-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2535.2 lumens
Efficiency: N/A
Efficacy: 102.6 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



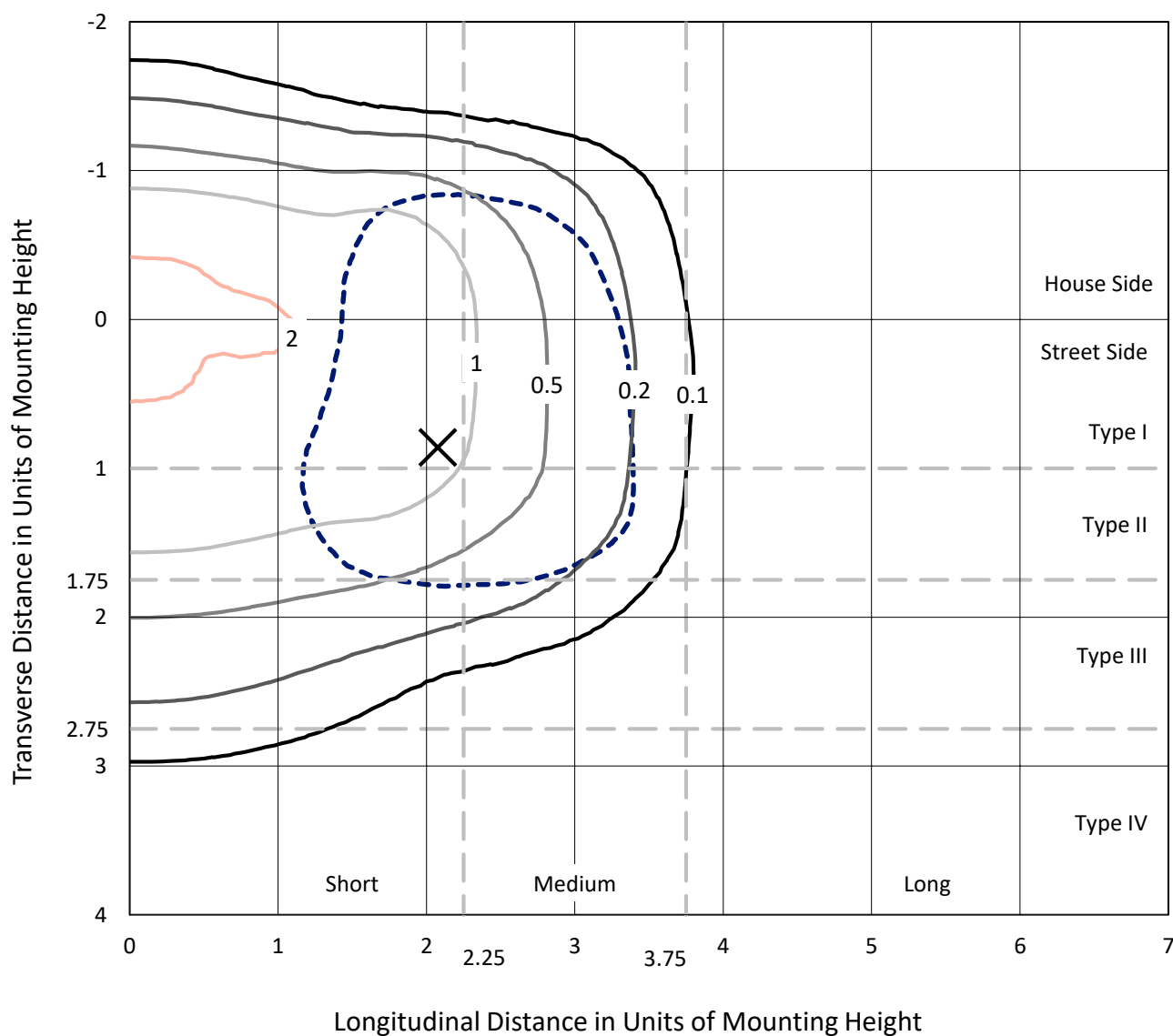
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

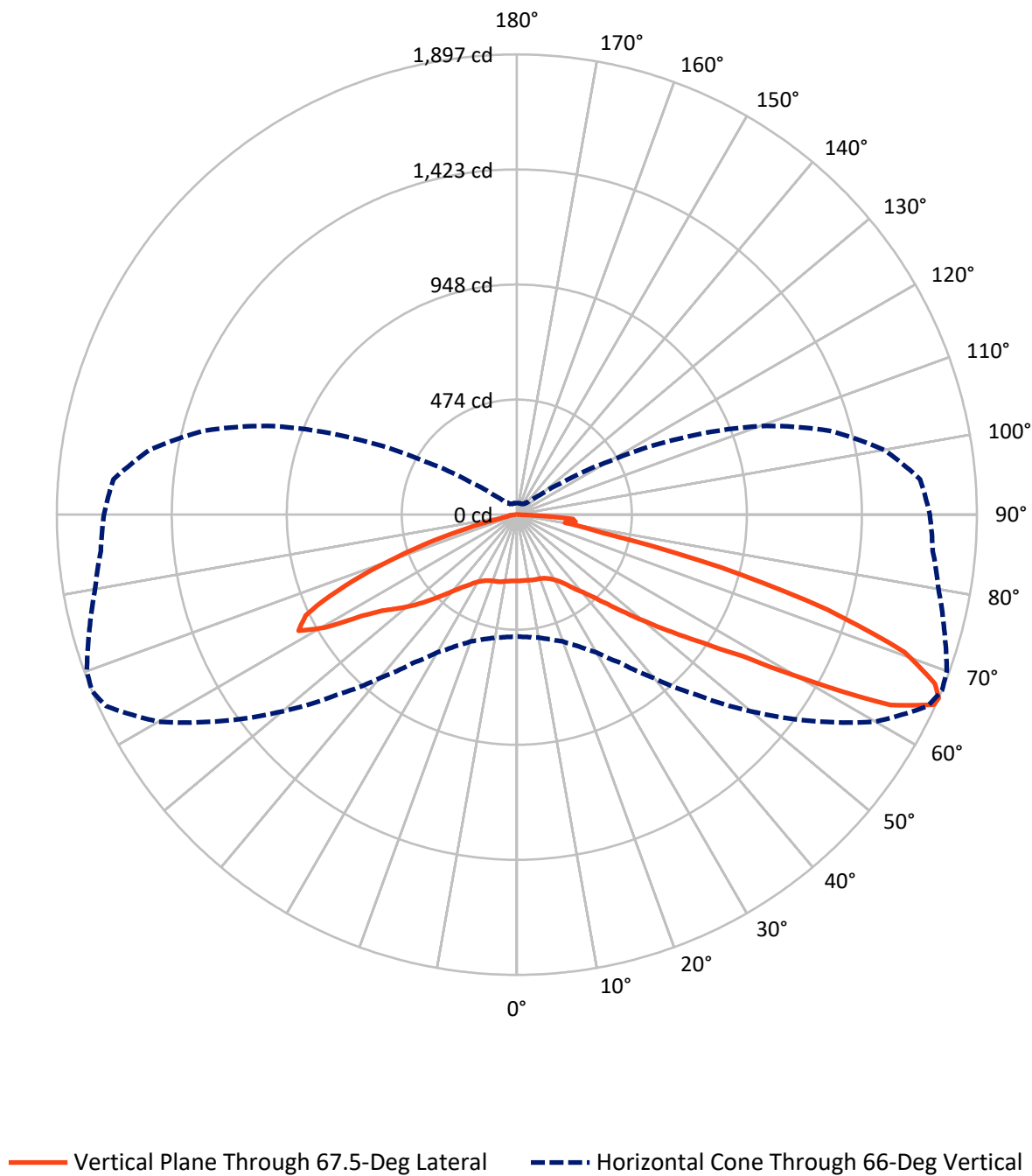


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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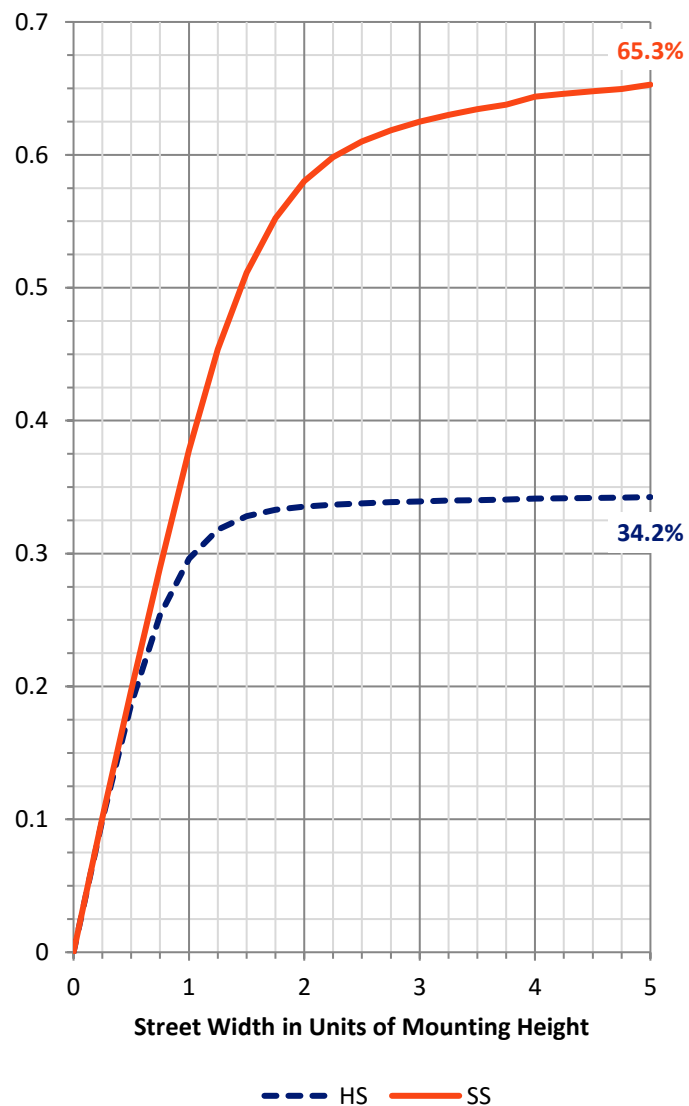
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	875.5	0.0	875.5
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1659.7	0.0	1659.7
	% Fixture	65.5	0.0	65.5
Total	Lumens	2535.2	0.0	2535.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	1.0
10°-20°	77.2	3.0
20°-30°	132.7	5.2
30°-40°	215.5	8.5
40°-50°	359.8	14.2
50°-60°	566.5	22.3
60°-70°	772.5	30.5
70°-80°	334.4	13.2
80°-90°	50.3	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°	2535.2	100.0
0°-180°	2535.2	100.0

Coefficient of Utilization



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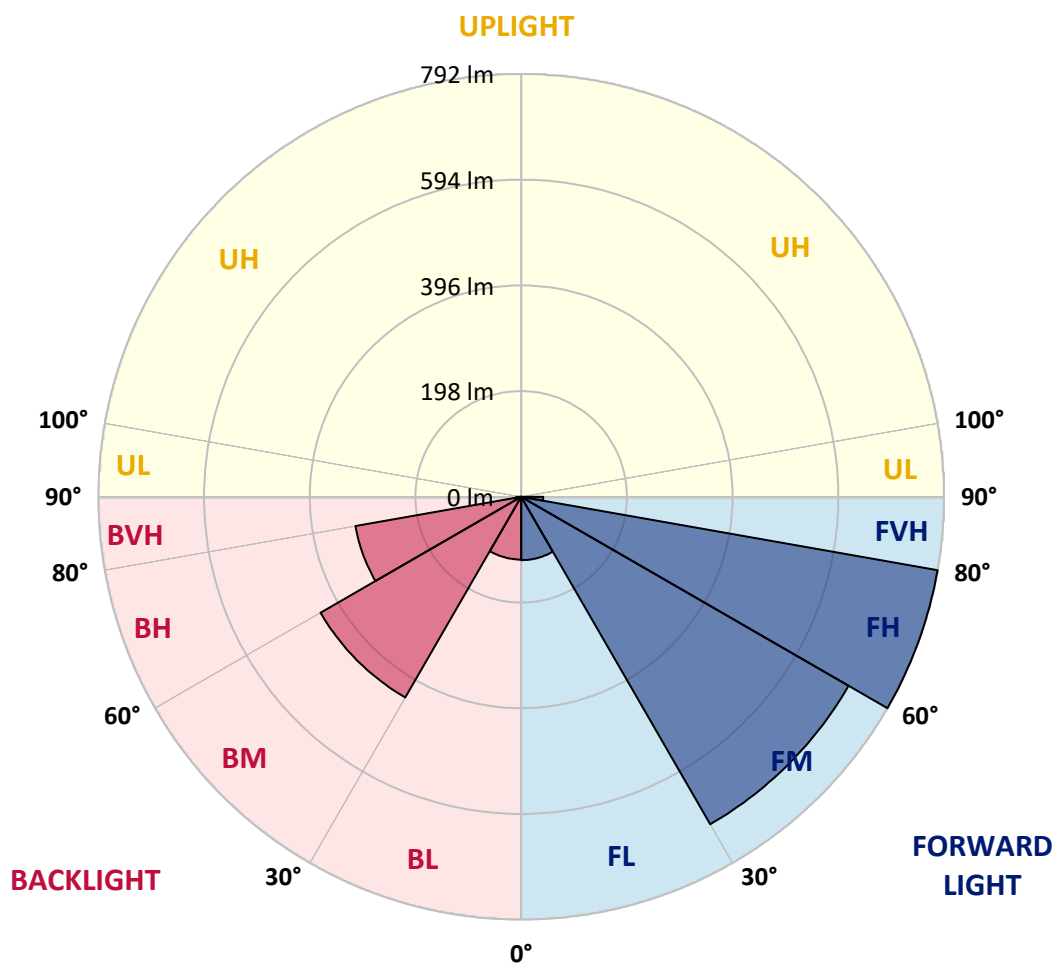
CATALOG NUMBER: ICS-E01-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.6	4.7			
FM	(30°-60°)	708.0	27.9			
FH	(60°-80°)	791.8	31.2			G1/1800
FVH	(80°-90°)	41.3	1.6			G1/100
BL	(0°-30°)	117.5	4.6	B1/500		
BM	(30°-60°)	433.8	17.1	B1/1000		
BH	(60°-80°)	315.1	12.4	B1/500		G1/500
BVH	(80°-90°)	9.0	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°	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2
2.5°	274.3	275.4	274.3	274.6	274.8	274.6	274.3	274.3	273.5	274.0	274.6
5°	273.2	274.0	273.7	274.0	274.3	274.0	273.7	274.0	273.5	273.7	274.6
7.5°	271.8	271.6	271.8	272.4	272.9	272.9	272.9	273.2	272.9	272.9	273.7
10°	267.7	268.0	268.5	269.4	269.6	270.5	270.5	271.3	271.6	272.1	273.2
12.5°	262.5	262.8	263.3	263.9	265.3	266.6	266.6	268.5	269.4	270.7	272.6
15°	258.7	258.9	259.5	260.0	261.1	262.5	263.3	265.5	266.9	269.4	272.1
17.5°	260.9	260.6	261.1	261.4	261.4	262.5	262.5	264.2	265.8	268.0	271.6
20°	267.2	267.2	267.7	267.7	267.4	268.0	266.9	266.9	267.2	268.3	270.7
22.5°	273.5	273.2	274.3	274.8	275.1	275.9	274.8	274.6	273.2	272.4	273.2
25°	279.5	279.2	280.6	281.4	282.8	283.6	283.6	283.6	282.5	281.1	280.3
27.5°	288.8	288.8	290.2	291.0	292.1	293.7	294.6	294.6	294.8	292.9	291.6
30°	304.4	304.7	305.0	306.1	307.2	307.7	308.8	309.6	310.5	309.4	307.2
32.5°	323.1	321.4	321.4	323.1	324.4	326.1	326.6	327.7	329.4	328.5	328.3
35°	345.3	344.7	344.2	344.7	346.4	348.3	350.5	352.4	351.3	352.9	352.1
37.5°	378.1	378.7	379.0	379.0	378.7	379.2	380.3	382.3	381.7	382.3	383.4
40°	432.4	430.5	428.6	428.8	426.1	426.6	422.3	424.2	424.5	422.5	423.4
42.5°	486.7	487.8	488.6	490.8	488.9	487.8	483.6	483.6	481.5	479.5	479.0
45°	545.3	547.5	547.8	552.2	550.5	554.1	557.1	556.3	552.7	552.4	548.6
47.5°	592.2	595.7	599.6	604.8	608.9	616.8	626.1	630.8	633.5	635.7	631.3
50°	627.2	628.9	638.7	647.0	656.0	669.2	682.0	698.8	712.2	718.5	724.5
52.5°	646.1	650.2	660.9	673.8	689.7	709.4	730.3	756.8	779.9	795.2	808.9
55°	650.2	654.4	666.4	682.9	704.5	731.1	761.0	797.1	831.7	861.2	890.0
57.5°	638.7	643.4	656.3	675.2	700.7	733.0	770.5	817.9	865.6	913.6	956.1
60°	617.6	623.4	635.2	653.8	682.0	718.5	763.4	822.9	889.7	963.2	1044.6
62.5°	582.8	588.9	599.8	620.4	649.4	689.7	741.8	815.8	910.3	1025.9	1170.3
65°	526.9	529.7	543.1	563.9	589.7	634.1	691.4	780.7	903.7	1064.6	1263.5
66°	501.7	506.4	514.6	531.3	556.0	597.6	655.2	745.9	878.8	1051.1	1261.0
67.5°	462.3	465.8	471.3	482.5	497.6	528.3	582.8	668.6	802.6	983.2	1208.7
70°	373.8	375.4	382.8	386.6	391.8	402.0	421.7	471.0	575.4	745.1	975.5
72.5°	254.8	259.5	267.4	278.4	292.7	306.4	315.7	322.0	344.4	444.5	650.0
75°	186.9	191.8	202.0	216.5	241.4	269.9	299.5	313.2	303.9	291.0	362.0
77.5°	108.5	115.1	123.6	137.6	160.6	198.4	249.1	294.0	324.4	326.4	309.9
80°	45.8	46.6	51.8	58.9	73.2	99.7	139.2	203.9	271.3	316.8	327.5
82.5°	10.4	12.9	16.4	19.5	23.8	32.9	48.8	81.1	146.6	229.9	299.8
85°	3.8	3.8	5.2	7.7	8.8	9.9	12.9	20.6	35.1	64.7	134.8
87.5°	0.0	0.3	0.5	0.5	1.1	1.4	2.2	3.0	2.7	2.5	8.2
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2
2.5°	274.0	273.7	273.2	273.2	273.2	273.2	272.6	272.9	272.4	272.6	272.6
5°	273.7	273.7	273.5	272.9	273.2	273.2	273.5	272.9	272.9	273.2	272.9
7.5°	273.7	273.5	273.5	273.5	273.7	273.5	273.7	273.7	273.7	274.0	274.0
10°	273.7	273.7	274.3	274.6	274.6	274.8	275.7	275.7	275.9	276.2	276.8
12.5°	274.0	275.1	275.9	276.8	277.0	277.6	279.0	279.0	279.5	280.3	280.6
15°	274.3	275.9	277.6	278.1	278.7	279.8	281.1	281.7	282.5	283.3	283.9
17.5°	274.0	276.2	278.1	279.0	279.8	281.1	282.8	283.3	284.4	285.5	286.6
20°	273.7	276.8	279.8	280.9	282.0	283.9	286.1	287.4	288.5	290.2	291.3
22.5°	275.4	279.0	283.1	284.7	286.6	289.1	292.1	293.7	295.1	296.8	297.6
25°	280.6	283.3	288.3	291.0	293.5	297.6	301.7	303.6	305.3	306.6	306.9
27.5°	289.4	290.2	296.2	299.8	303.3	309.9	314.8	316.2	319.2	320.3	320.1
30°	303.6	302.2	307.2	312.7	317.9	326.9	332.9	336.5	339.2	339.2	337.0
32.5°	324.2	322.0	323.3	329.6	335.7	348.8	356.0	360.6	362.5	362.0	357.3
35°	351.0	349.6	348.8	353.8	363.4	378.7	388.0	390.5	393.5	392.9	386.9
37.5°	382.8	381.7	381.7	387.5	396.8	419.5	429.7	431.3	431.0	426.6	415.4
40°	420.3	419.8	417.3	420.6	428.6	458.2	471.9	474.1	471.0	463.9	450.8
42.5°	474.3	471.0	463.4	465.3	471.3	500.1	517.9	523.9	520.9	513.8	492.4
45°	544.8	541.2	528.3	526.7	530.0	555.2	578.2	579.6	579.0	570.0	544.8
47.5°	627.5	622.0	608.3	603.9	602.8	626.1	648.3	650.5	649.2	635.7	602.0
50°	717.1	709.2	700.1	697.1	692.7	709.4	731.9	732.2	726.7	708.1	676.6
52.5°	812.7	810.0	808.4	805.3	803.4	817.9	831.7	823.4	815.2	795.8	768.4
55°	909.2	920.4	931.9	933.0	936.3	951.9	951.7	929.2	923.2	912.5	885.4
57.5°	1011.7	1053.3	1089.5	1100.7	1111.7	1140.7	1138.0	1115.8	1108.1	1095.0	1072.5
60°	1151.2	1263.5	1367.9	1392.8	1410.1	1444.9	1441.6	1407.4	1423.3	1422.2	1393.1
62.5°	1346.5	1533.4	1689.9	1728.2	1740.3	1744.1	1723.3	1686.3	1701.9	1719.5	1630.1
65°	1478.9	1698.7	1859.2	1888.8	1890.5	1844.7	1798.4	1754.8	1751.0	1735.9	1608.2
66°	1481.9	1706.9	1868.0	1896.8	1886.6	1824.2	1765.5	1721.7	1702.8	1669.6	1537.3
67.5°	1428.7	1655.6	1829.1	1859.5	1837.3	1748.8	1668.0	1611.5	1574.5	1520.8	1404.1
70°	1199.9	1424.9	1638.6	1695.4	1702.5	1570.4	1458.3	1392.0	1342.1	1268.4	1167.9
72.5°	892.2	1095.5	1284.1	1338.3	1366.0	1260.5	1166.0	1115.5	1047.3	969.8	898.2
75°	559.3	702.9	829.2	867.3	841.2	759.6	702.9	681.8	614.6	568.3	535.7
77.5°	319.8	364.7	374.9	360.3	329.6	252.4	179.5	132.9	115.4	127.7	140.8
80°	312.1	286.1	228.0	200.6	181.7	125.0	73.4	50.4	41.9	43.0	46.6
82.5°	338.1	362.8	298.7	243.6	204.4	138.1	76.2	40.6	27.4	32.3	36.4
85°	219.8	305.8	275.4	232.1	188.0	118.1	62.8	21.1	14.0	18.4	25.2
87.5°	22.2	24.4	20.8	28.2	21.1	9.9	4.9	3.0	2.7	3.3	4.9
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2
2.5°	272.9	272.9	273.2	273.5	273.7	274.0	274.0	274.0	274.0	274.6	274.3
5°	273.5	274.0	274.6	274.8	275.4	275.4	276.2	275.9	275.9	276.8	277.0
7.5°	274.6	275.4	276.5	276.2	277.3	277.0	277.6	277.6	276.8	277.0	276.5
10°	277.0	278.1	278.7	277.9	278.1	277.0	276.8	275.4	273.7	272.9	271.8
12.5°	281.1	282.2	282.2	280.9	279.2	276.8	274.8	271.8	269.4	268.0	266.6
15°	284.7	285.8	285.5	283.3	280.9	277.0	274.3	270.7	267.2	265.0	263.6
17.5°	287.4	288.0	287.2	284.2	281.4	277.9	275.1	271.3	267.2	264.4	262.0
20°	291.6	291.0	289.1	285.3	282.2	279.0	276.8	273.5	268.8	265.3	261.7
22.5°	297.6	295.4	291.8	287.7	284.7	281.7	279.5	275.9	271.3	266.9	262.8
25°	305.5	301.1	296.2	291.8	289.1	285.8	283.3	279.5	274.6	269.6	264.7
27.5°	317.0	309.4	303.1	299.2	296.2	292.1	289.1	284.2	279.0	273.2	267.7
30°	329.9	319.5	313.5	310.5	307.2	302.8	298.1	291.8	285.8	279.5	272.9
32.5°	346.6	334.0	328.3	325.3	320.9	315.4	309.9	302.8	294.3	286.1	278.1
35°	368.6	355.7	349.6	345.0	339.0	331.8	323.9	314.3	302.8	291.8	281.7
37.5°	392.1	378.1	372.4	367.5	358.4	349.1	337.9	323.9	308.3	293.7	281.1
40°	422.0	409.1	401.7	393.2	382.5	366.4	348.8	328.5	308.5	290.7	275.9
42.5°	459.8	446.9	436.0	422.5	403.9	379.0	354.0	327.7	303.6	283.3	267.4
45°	510.0	494.3	475.4	451.9	421.7	386.9	354.3	322.5	294.3	271.8	254.8
47.5°	571.3	547.5	516.5	476.8	433.5	389.1	349.9	312.1	279.8	255.4	236.5
50°	644.2	606.7	555.7	497.3	439.5	385.8	339.0	296.5	259.2	233.2	210.7
52.5°	727.5	666.1	591.1	512.1	439.3	374.9	320.3	272.9	232.4	203.3	181.9
55°	825.3	734.1	627.5	523.1	431.6	354.6	291.8	239.8	199.2	172.4	152.6
57.5°	968.7	844.3	691.1	540.1	416.2	323.3	253.2	200.0	164.4	138.9	122.2
60°	1230.6	1028.1	805.6	574.3	392.7	277.6	208.0	157.6	127.7	107.1	95.9
62.5°	1427.9	1170.3	867.5	566.7	345.3	221.1	154.3	114.8	94.0	80.0	72.9
65°	1399.7	1126.2	801.5	488.0	270.7	155.9	102.5	78.1	64.7	58.1	54.0
66°	1335.8	1068.7	744.2	439.3	234.0	129.6	84.4	65.5	55.6	51.0	48.2
67.5°	1214.7	961.8	641.8	360.1	179.8	94.0	63.6	51.8	45.2	43.3	41.4
70°	1009.8	767.0	450.5	209.6	91.8	52.3	40.3	36.2	34.5	34.3	33.7
72.5°	773.8	542.8	265.3	99.2	47.7	34.8	31.2	29.9	29.3	29.3	29.6
75°	474.3	305.0	117.3	48.5	33.4	29.3	27.7	27.1	26.9	27.1	26.9
77.5°	158.4	97.0	50.1	36.7	30.4	27.1	26.0	25.5	25.5	25.5	25.5
80°	48.5	42.2	38.4	34.0	28.8	25.8	24.1	23.8	24.1	24.4	23.6
82.5°	36.4	34.5	32.3	30.1	26.0	23.0	22.5	22.5	22.5	21.6	20.6
85°	26.9	26.6	21.9	20.6	19.2	19.2	19.2	19.2	18.4	17.0	15.9
87.5°	4.9	4.7	4.9	5.2	7.7	8.2	8.2	8.8	9.6	9.0	9.0
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):

	160°	165°	170°	175°	180°
0°	273.2	273.2	273.2	273.2	273.2
2.5°	274.3	274.0	274.8	274.3	274.6
5°	276.8	276.5	277.0	276.5	277.3
7.5°	275.9	275.4	275.1	275.4	275.7
10°	270.2	269.6	269.4	269.1	269.4
12.5°	265.3	264.2	264.2	263.6	263.9
15°	261.7	260.9	260.6	260.0	260.3
17.5°	260.0	258.7	258.1	257.6	257.6
20°	258.9	257.3	256.5	255.9	255.7
22.5°	258.9	256.5	255.4	254.8	254.6
25°	260.0	257.0	255.4	254.6	254.3
27.5°	262.2	258.4	256.5	255.4	255.4
30°	266.1	261.1	258.4	257.0	256.8
32.5°	269.9	263.3	259.5	257.9	257.3
35°	271.8	263.3	258.7	255.9	255.4
37.5°	269.6	259.8	254.0	249.9	249.1
40°	262.8	252.4	246.1	242.2	241.7
42.5°	253.7	243.6	236.2	233.5	232.6
45°	241.4	229.4	222.0	218.1	218.4
47.5°	220.3	208.0	201.4	197.8	198.4
50°	195.4	183.3	177.6	173.7	174.6
52.5°	168.0	157.0	151.5	149.6	149.1
55°	139.2	130.7	126.9	124.7	123.9
57.5°	112.9	106.9	104.1	101.4	101.7
60°	89.1	86.0	85.2	82.2	81.9
62.5°	70.1	68.2	67.4	65.2	65.5
65°	53.2	52.6	53.2	51.8	52.3
66°	48.0	48.2	48.2	47.4	48.0
67.5°	41.4	41.9	42.7	41.9	42.5
70°	34.3	34.8	35.3	35.3	35.3
72.5°	29.9	30.4	30.7	30.7	30.7
75°	27.4	27.7	28.0	27.4	27.4
77.5°	25.8	25.8	25.2	24.9	24.7
80°	23.3	23.0	22.2	21.6	21.6
82.5°	19.5	18.9	18.4	17.5	17.5
85°	14.8	14.2	13.7	12.6	12.1
87.5°	7.7	7.9	7.7	6.3	5.5
90°	0.0	0.0	0.0	0.0	0.0

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