

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: P181236

Luminaire Tested: **ICM-F01-LED-E1-T2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181236
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
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-T2-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1985.8 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - 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

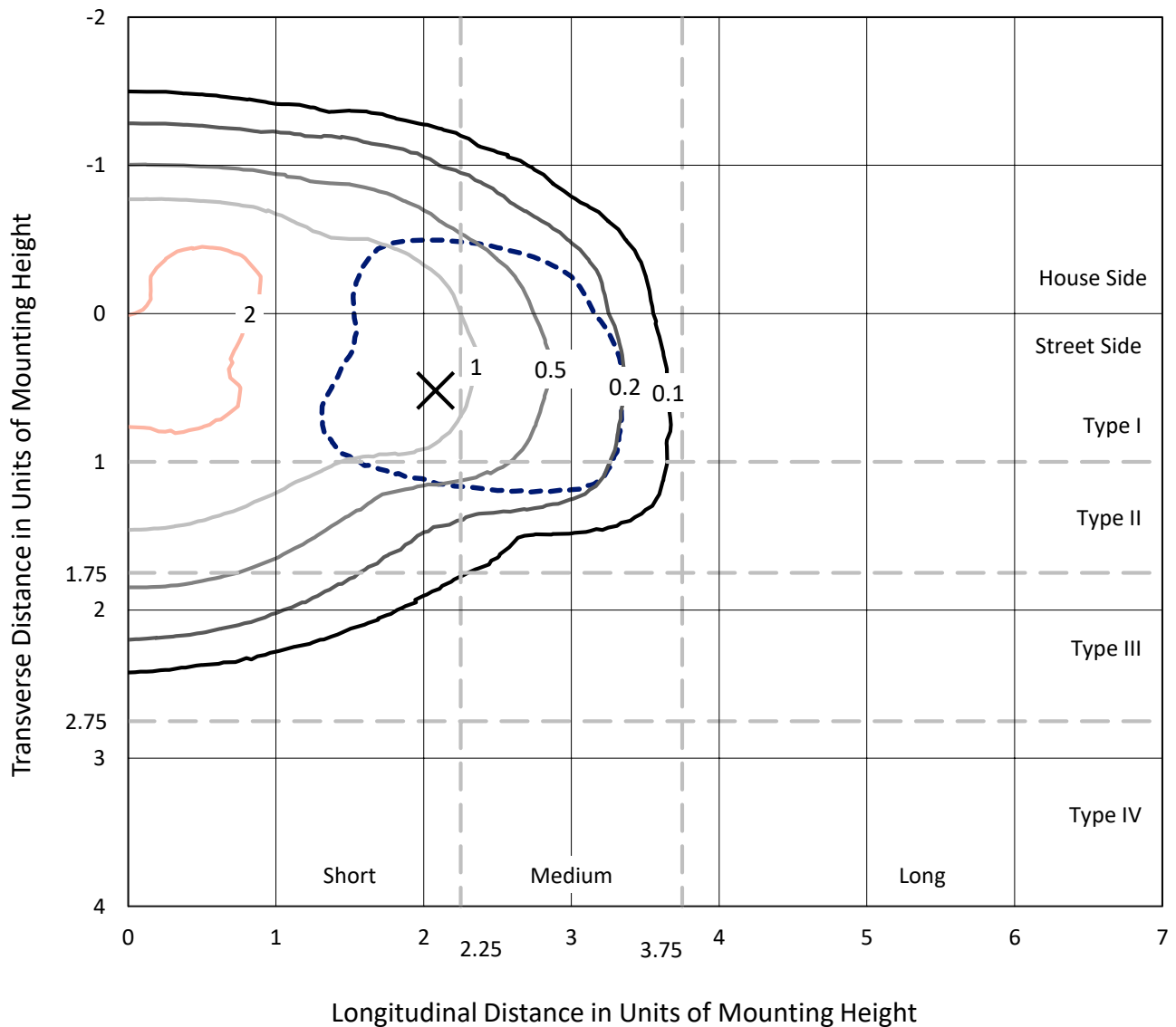


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

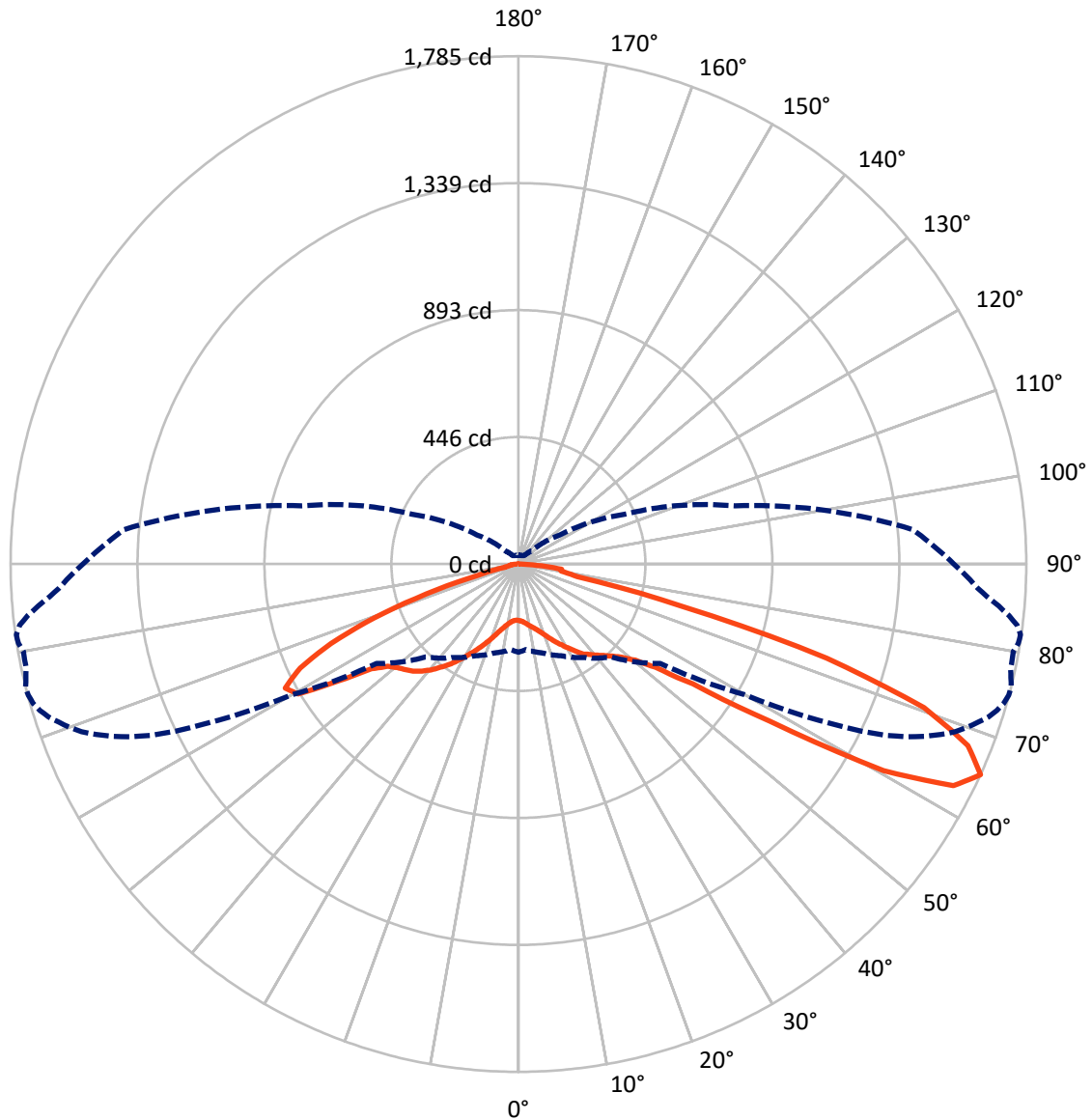


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	695.4	0.0	695.4
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1290.4	0.0	1290.4
	% Fixture	65.0	0.0	65.0
Total	Lumens	1985.8	0.0	1985.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	1.0
10°-20°	68.3	3.4
20°-30°	134.2	6.8
30°-40°	222.9	11.2
40°-50°	327.6	16.5
50°-60°	453.5	22.8
60°-70°	541.3	27.3
70°-80°	191.4	9.6
80°-90°	26.8	1.3
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°	1985.8	100.0
0°-180°	1985.8	100.0



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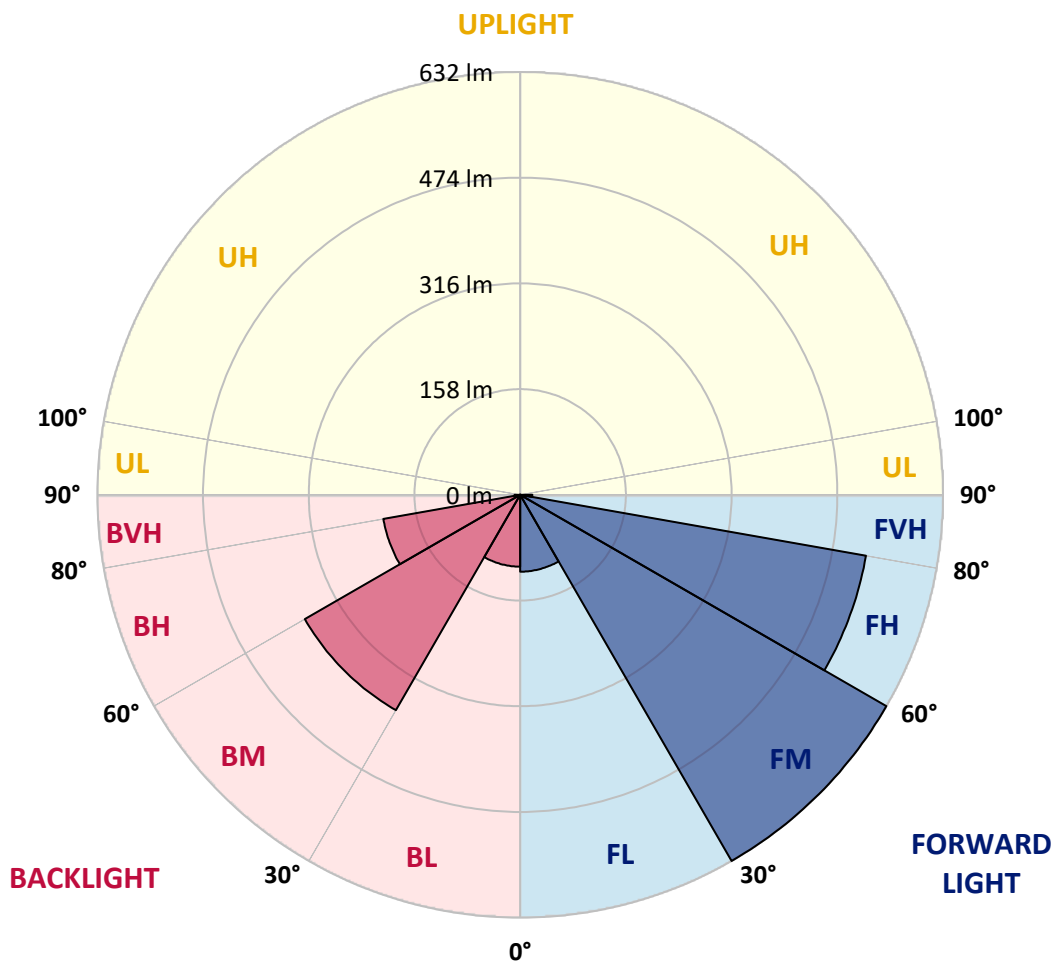
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.9	5.8			
FM (30°-60°)	632.2	31.8			
FH (60°-80°)	525.0	26.4			G0/660
FVH (80°-90°)	18.3	0.9			G1/100
BL (0°-30°)	107.4	5.4	B0/110		
BM (30°-60°)	371.8	18.7	B1/1000		
BH (60°-80°)	207.7	10.5	B1/500		G1/500
BVH (80°-90°)	8.5	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5
2.5°	207.2	207.4	207.0	206.8	206.1	205.0	204.2	203.3	203.3	203.3	202.6
5°	216.3	216.7	215.8	215.2	213.2	212.2	210.6	209.6	209.1	208.9	208.3
7.5°	227.7	227.1	225.8	225.3	223.8	221.5	218.6	216.5	216.5	216.3	216.5
10°	239.2	237.4	236.7	236.1	233.8	230.7	227.5	225.1	224.9	224.7	224.0
12.5°	250.6	250.0	249.3	247.0	244.6	239.8	236.1	233.8	233.6	233.8	232.9
15°	265.8	264.2	263.5	259.4	254.3	249.1	244.6	242.4	241.8	242.0	241.3
17.5°	277.4	277.4	275.9	271.4	264.7	257.5	252.7	251.4	251.3	251.3	251.4
20°	286.7	286.5	284.9	281.3	273.3	266.1	263.8	263.4	263.2	263.2	263.8
22.5°	291.9	291.4	290.8	286.7	280.5	275.6	275.9	277.2	277.6	278.0	278.9
25°	294.5	293.9	293.6	290.8	286.2	285.6	289.5	292.9	293.9	294.7	295.7
27.5°	298.8	297.7	298.1	297.0	296.0	298.0	306.0	309.6	310.2	311.4	312.0
30°	310.7	310.2	312.0	312.4	313.3	316.1	323.4	326.9	328.4	328.4	331.4
32.5°	333.4	333.6	334.0	338.5	340.1	342.0	345.9	348.7	348.9	349.1	351.9
35°	363.8	365.1	368.7	372.7	376.4	376.1	373.8	375.3	374.1	375.4	375.7
37.5°	402.2	400.6	406.0	414.8	420.4	418.9	408.3	401.4	403.4	402.5	401.9
40°	431.9	433.8	444.2	455.8	460.2	464.9	451.1	439.3	437.5	434.2	432.3
42.5°	472.7	472.9	481.3	490.0	502.5	512.9	504.0	487.0	481.8	477.9	469.5
45°	510.5	509.9	516.7	527.4	542.2	557.2	560.4	541.9	539.9	532.9	522.0
47.5°	535.8	534.9	539.6	553.5	577.7	602.1	615.5	609.9	606.2	603.4	586.1
50°	552.8	551.2	556.6	571.3	598.2	635.8	670.8	675.5	674.1	674.1	663.1
52.5°	565.6	565.6	569.5	581.4	608.8	655.7	718.3	742.3	744.3	746.4	745.8
55°	558.5	559.5	569.3	586.5	615.5	669.5	757.7	810.1	820.9	830.1	840.4
57.5°	534.0	537.8	550.7	579.0	617.2	679.9	801.3	905.2	935.7	962.1	1003.1
60°	498.4	503.2	522.0	558.0	604.5	663.1	816.7	985.6	1034.0	1091.4	1198.6
62.5°	437.3	442.0	460.4	496.5	536.2	598.4	753.1	997.5	1074.8	1156.3	1318.3
65°	309.8	302.2	323.4	355.8	401.4	461.7	608.6	917.8	1029.0	1139.4	1339.5
67.5°	172.7	172.0	184.9	209.1	252.7	317.6	419.4	703.9	806.2	931.4	1177.0
70°	119.1	120.4	128.6	154.7	190.8	246.7	298.8	442.0	515.7	600.6	842.1
72.5°	83.6	86.4	91.0	106.5	143.4	207.8	305.3	264.2	300.9	358.9	506.4
75°	49.0	51.0	54.2	61.8	81.7	138.9	316.1	232.3	232.3	245.9	306.3
77.5°	30.2	30.2	32.2	35.3	43.4	68.1	225.1	261.0	253.7	245.9	246.5
80°	15.5	16.7	19.4	20.9	24.2	31.1	101.1	243.4	267.1	282.8	271.8
82.5°	7.2	8.0	11.9	12.7	14.0	16.5	34.8	138.5	185.6	244.4	305.3
85°	3.6	3.6	6.2	7.8	8.5	7.5	12.7	56.0	84.7	129.2	202.2
87.5°	0.7	0.7	1.1	1.3	2.0	1.8	2.1	3.3	5.4	5.9	6.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5
2.5°	202.4	202.6	202.4	202.2	201.8	201.8	201.8	201.6	201.6	201.6	201.4
5°	208.3	207.4	207.6	207.2	207.0	206.8	207.0	206.5	206.1	206.3	206.1
7.5°	215.6	215.2	214.3	214.3	214.1	213.7	213.7	213.0	212.8	212.4	212.2
10°	223.8	222.7	223.2	222.7	223.0	222.0	221.7	221.2	220.8	220.8	221.0
12.5°	232.3	232.0	231.4	231.0	231.0	230.3	230.5	230.3	229.7	229.4	228.7
15°	240.9	240.9	240.3	240.5	240.3	239.8	239.4	239.4	239.0	238.5	238.7
17.5°	251.1	251.1	251.1	251.1	251.3	250.6	250.8	250.4	250.0	250.8	250.8
20°	264.2	265.1	265.1	264.8	266.0	265.3	265.1	266.1	265.1	266.6	266.4
22.5°	279.4	280.2	280.2	281.1	281.3	282.0	282.3	282.0	282.8	283.6	283.6
25°	296.2	297.0	297.7	299.0	299.6	299.3	299.4	300.6	300.9	301.8	302.7
27.5°	314.0	314.1	315.0	316.5	317.6	318.0	318.2	320.0	320.2	320.7	321.5
30°	331.2	333.4	332.9	334.9	335.5	336.2	337.5	338.1	339.6	340.5	340.5
32.5°	351.5	351.1	352.8	354.3	355.4	356.5	357.6	358.4	359.3	359.7	361.9
35°	376.7	377.7	377.7	377.9	380.5	380.7	381.5	383.4	384.1	385.4	386.3
37.5°	401.9	400.4	400.1	400.1	399.3	399.9	400.1	400.4	401.2	401.4	402.2
40°	430.0	428.0	426.2	425.2	423.4	421.0	420.7	419.5	420.2	420.0	420.2
42.5°	468.4	463.0	458.9	455.8	452.4	449.8	447.8	445.0	443.1	440.7	440.3
45°	517.4	507.3	500.4	495.4	490.4	483.3	479.2	474.9	471.0	467.1	463.8
47.5°	581.8	571.0	560.0	550.9	543.2	531.7	520.0	513.5	506.0	499.3	494.5
50°	657.7	644.7	639.4	626.7	617.0	599.7	585.3	574.7	559.5	549.4	540.6
52.5°	735.2	731.9	729.1	718.3	706.9	696.9	684.2	665.6	650.3	638.6	620.5
55°	840.8	842.3	841.3	835.4	831.4	821.9	816.7	800.5	793.5	776.7	757.7
57.5°	1018.6	1030.7	1046.1	1052.1	1060.4	1052.6	1061.7	1072.7	1045.2	1054.7	1037.7
60°	1245.7	1301.2	1334.2	1374.9	1401.5	1438.6	1445.3	1455.1	1452.3	1457.7	1468.7
62.5°	1384.4	1450.3	1513.6	1559.6	1608.8	1636.1	1668.9	1691.8	1715.6	1731.5	1727.1
65°	1425.2	1493.0	1550.5	1600.8	1644.9	1678.2	1708.7	1737.4	1759.3	1774.6	1783.6
67.5°	1275.3	1363.9	1424.4	1483.4	1540.2	1575.2	1600.7	1628.6	1660.5	1687.1	1692.3
70°	959.6	1092.6	1178.3	1248.9	1315.7	1362.8	1398.4	1424.4	1449.2	1468.2	1488.9
72.5°	600.2	716.4	814.5	906.1	976.9	1041.8	1071.8	1129.2	1121.7	1136.2	1151.7
75°	359.7	416.3	470.3	534.9	572.1	626.1	635.8	645.3	640.4	624.2	636.3
77.5°	250.0	259.3	258.8	255.2	251.3	241.8	229.4	222.7	218.2	211.7	214.3
80°	251.4	231.4	200.7	168.7	139.3	119.9	112.1	112.1	120.1	131.5	143.0
82.5°	300.6	279.2	248.8	208.3	165.0	134.4	113.9	105.7	107.2	118.8	133.5
85°	202.6	207.4	182.0	166.3	131.8	102.6	86.0	69.8	61.8	63.7	72.2
87.5°	7.3	8.8	3.3	4.3	3.1	2.6	2.6	2.8	2.0	2.4	2.1
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5
2.5°	201.1	200.9	200.9	200.5	200.5	200.3	200.3	200.1	199.8	199.8	199.6
5°	205.9	205.7	205.2	205.0	204.6	204.6	204.4	203.9	203.9	203.5	203.3
7.5°	212.6	212.2	211.7	211.5	211.3	210.6	210.6	210.2	210.2	209.8	209.6
10°	220.6	220.2	219.7	219.9	219.3	219.1	218.6	218.6	218.0	217.8	217.8
12.5°	229.2	229.0	229.0	228.4	228.2	227.9	227.1	227.1	227.1	226.6	226.9
15°	238.5	238.7	238.0	238.7	238.5	237.9	237.9	237.9	237.0	238.0	237.2
17.5°	251.1	251.7	251.3	251.4	251.1	251.1	251.3	251.1	251.4	251.4	252.7
20°	266.6	266.8	267.9	267.4	267.4	267.3	267.7	267.9	268.7	268.3	269.2
22.5°	283.6	284.7	284.9	285.9	285.9	285.6	286.0	286.9	287.4	288.0	287.8
25°	303.1	303.7	304.7	303.5	305.3	305.3	305.7	306.8	307.0	307.0	308.5
27.5°	321.2	323.0	323.2	324.3	323.6	324.1	325.6	326.2	327.1	327.1	327.5
30°	341.8	342.4	342.9	344.2	343.9	344.2	344.4	345.5	345.5	346.5	347.6
32.5°	363.0	363.4	363.8	365.1	365.6	366.4	366.0	366.9	367.9	368.1	368.7
35°	388.2	388.7	389.1	391.1	391.3	392.7	393.2	392.7	394.5	393.4	394.5
37.5°	402.9	404.8	405.3	406.6	406.1	407.3	407.9	408.7	409.2	410.0	411.8
40°	420.8	421.5	422.8	423.4	424.3	424.6	425.4	426.0	426.7	428.7	430.6
42.5°	439.3	440.1	440.7	441.6	442.7	443.5	444.2	446.1	446.6	447.8	451.5
45°	461.5	461.0	461.2	461.5	461.9	463.0	464.9	466.9	468.2	471.2	474.2
47.5°	489.1	486.3	485.2	483.5	483.9	486.3	486.7	490.0	492.6	495.4	499.1
50°	531.1	523.4	519.0	514.4	514.0	515.3	517.0	520.5	523.4	527.2	532.4
52.5°	601.5	587.0	578.0	565.4	562.0	561.3	560.0	562.0	562.8	567.7	577.5
55°	744.1	717.3	700.0	680.6	662.4	657.0	646.6	648.7	646.6	649.7	664.1
57.5°	1041.8	1020.4	1003.5	978.7	947.5	914.5	906.3	872.4	879.1	898.5	886.0
60°	1474.1	1466.2	1454.1	1442.3	1399.7	1375.7	1336.7	1332.4	1304.9	1305.1	1287.2
62.5°	1716.0	1726.0	1718.6	1715.2	1712.8	1705.2	1685.8	1662.4	1627.5	1602.1	1565.0
65°	1785.1	1776.8	1768.8	1767.6	1767.0	1779.4	1782.2	1765.7	1734.0	1694.6	1651.8
67.5°	1704.6	1699.8	1700.3	1691.2	1696.8	1718.2	1733.1	1728.6	1699.4	1651.8	1597.4
70°	1512.8	1503.5	1512.9	1524.8	1533.2	1545.6	1560.5	1564.2	1537.6	1488.8	1433.2
72.5°	1132.8	1134.2	1143.3	1146.5	1180.5	1177.0	1190.4	1146.8	1127.5	1081.1	1052.6
75°	596.1	586.3	611.6	558.0	536.0	551.4	508.4	467.1	475.7	482.9	431.4
77.5°	210.6	197.0	174.0	164.7	136.9	116.0	94.9	85.6	80.6	78.0	74.8
80°	151.3	155.5	150.8	139.5	118.6	95.1	75.0	59.2	50.8	46.2	43.2
82.5°	152.9	170.0	177.6	174.3	155.3	117.5	77.6	49.5	36.7	30.7	28.6
85°	82.1	89.9	86.4	72.8	65.5	39.1	26.8	18.0	15.2	13.9	12.7
87.5°	3.3	2.6	2.1	2.1	2.4	2.6	2.1	2.4	2.1	2.1	2.1
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5
2.5°	199.2	199.2	199.2	199.0	198.5	197.5	196.4	195.5	194.9	194.2	193.4
5°	203.1	202.6	202.6	202.6	200.9	199.2	197.7	196.2	194.9	193.8	192.9
7.5°	209.6	209.3	208.5	208.3	207.0	204.2	202.4	199.8	198.3	196.8	196.4
10°	217.3	217.1	216.9	216.7	215.0	212.2	210.0	207.6	205.5	203.3	201.1
12.5°	226.4	226.2	226.0	225.3	224.7	223.2	220.8	218.2	215.6	211.1	208.7
15°	237.7	238.0	237.7	237.4	237.0	237.2	235.7	232.0	227.9	222.0	217.1
17.5°	252.6	252.1	251.9	252.7	252.6	253.7	253.2	248.5	242.1	232.9	224.3
20°	268.9	268.9	269.9	270.5	272.5	275.3	274.0	268.1	256.7	243.7	232.5
22.5°	288.7	289.0	290.0	289.5	292.6	297.0	297.5	289.3	274.4	256.5	240.7
25°	309.1	309.6	308.7	310.0	315.0	321.5	322.8	311.1	291.4	268.1	247.6
27.5°	328.6	329.0	329.0	330.8	335.5	346.5	347.8	334.9	308.7	278.2	252.6
30°	347.6	349.3	349.8	350.2	357.3	372.7	375.4	356.7	323.8	285.9	256.0
32.5°	371.6	372.3	373.1	374.1	382.4	401.2	401.2	375.4	333.6	290.6	256.7
35°	397.3	397.5	399.4	399.7	411.4	430.1	426.5	391.1	340.5	289.5	251.9
37.5°	412.8	413.7	415.6	418.2	430.6	457.1	448.7	404.5	341.8	282.3	241.1
40°	432.1	433.8	435.7	438.3	456.7	484.6	467.5	412.8	336.4	268.3	224.9
42.5°	452.8	455.2	458.2	463.0	484.8	508.7	481.8	414.1	324.1	252.6	205.7
45°	476.2	480.5	483.9	489.6	514.1	529.8	490.4	406.6	308.5	231.8	185.1
47.5°	503.2	506.6	512.7	518.7	543.4	544.0	491.3	391.9	287.4	211.1	163.3
50°	536.5	538.6	547.6	551.4	574.4	558.9	485.0	372.0	265.1	187.7	139.2
52.5°	580.7	583.7	595.4	601.0	617.5	579.2	476.2	350.4	239.6	161.6	114.3
55°	668.2	681.4	689.6	699.4	710.0	625.2	472.3	327.4	210.9	131.3	90.5
57.5°	913.9	909.6	927.7	949.7	949.5	730.4	495.6	307.4	176.9	100.5	69.6
60°	1279.8	1283.9	1274.6	1287.8	1246.0	860.9	527.5	286.5	138.7	74.8	53.1
62.5°	1551.8	1528.1	1514.9	1499.4	1407.1	875.2	504.3	243.4	100.9	52.5	40.8
65°	1616.2	1588.4	1560.0	1530.4	1391.4	789.0	413.7	178.7	65.2	36.1	32.4
67.5°	1552.7	1508.0	1471.9	1441.4	1274.9	654.0	302.4	109.8	37.4	29.2	27.6
70°	1388.1	1338.6	1280.3	1246.1	1073.5	482.0	193.8	59.2	28.7	26.0	25.3
72.5°	1016.0	975.4	911.7	872.6	770.9	292.9	108.3	33.3	26.8	24.8	24.0
75°	395.8	374.6	348.0	350.2	312.7	129.6	49.0	28.7	26.1	24.4	23.5
77.5°	68.1	66.3	61.4	61.4	69.8	47.3	32.7	28.9	26.0	24.0	22.5
80°	40.8	40.0	38.0	37.6	36.3	33.3	31.3	29.4	25.5	22.7	20.7
82.5°	26.8	25.7	25.0	24.8	27.0	29.2	29.4	29.2	24.2	19.6	16.8
85°	11.4	11.4	11.4	11.6	15.5	23.5	24.2	26.0	19.9	15.3	12.1
87.5°	2.0	2.4	2.4	2.6	2.8	5.2	6.5	8.5	6.7	6.5	5.9
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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	165°	175°	180°
0°	198.5	198.5	198.5
2.5°	193.1	192.7	192.7
5°	192.5	192.1	192.3
7.5°	195.1	194.2	194.4
10°	199.8	199.0	198.5
12.5°	205.9	204.8	204.8
15°	212.2	209.6	209.3
17.5°	217.3	214.1	213.7
20°	223.2	218.9	218.2
22.5°	228.6	222.7	221.9
25°	232.5	225.3	224.3
27.5°	234.2	225.8	224.9
30°	235.4	226.0	224.7
32.5°	234.2	224.0	223.0
35°	227.1	216.0	215.4
37.5°	214.8	202.4	201.6
40°	198.5	185.6	183.4
42.5°	177.8	165.7	163.3
45°	157.7	143.9	142.8
47.5°	136.1	122.9	123.5
50°	113.4	101.6	101.3
52.5°	91.8	81.5	80.8
55°	72.4	65.0	64.4
57.5°	57.2	53.4	52.7
60°	46.7	44.7	44.1
62.5°	37.6	36.9	36.7
65°	31.3	31.3	31.3
67.5°	27.3	27.4	27.4
70°	25.0	25.3	25.0
72.5°	24.2	24.8	24.8
75°	23.5	24.0	23.2
77.5°	23.2	23.3	21.9
80°	22.9	22.7	19.9
82.5°	19.9	19.3	16.8
85°	18.1	13.9	11.6
87.5°	9.3	6.5	4.9
90°	0.0	0.0	0.0

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