

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: P181284

Luminaire Tested: **ICS-F01-LED-E1-T2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181284
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: ICS-F01-LED-E1-T2-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2079.2 lumens
Efficiency: N/A
Efficacy: 80.3 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 (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



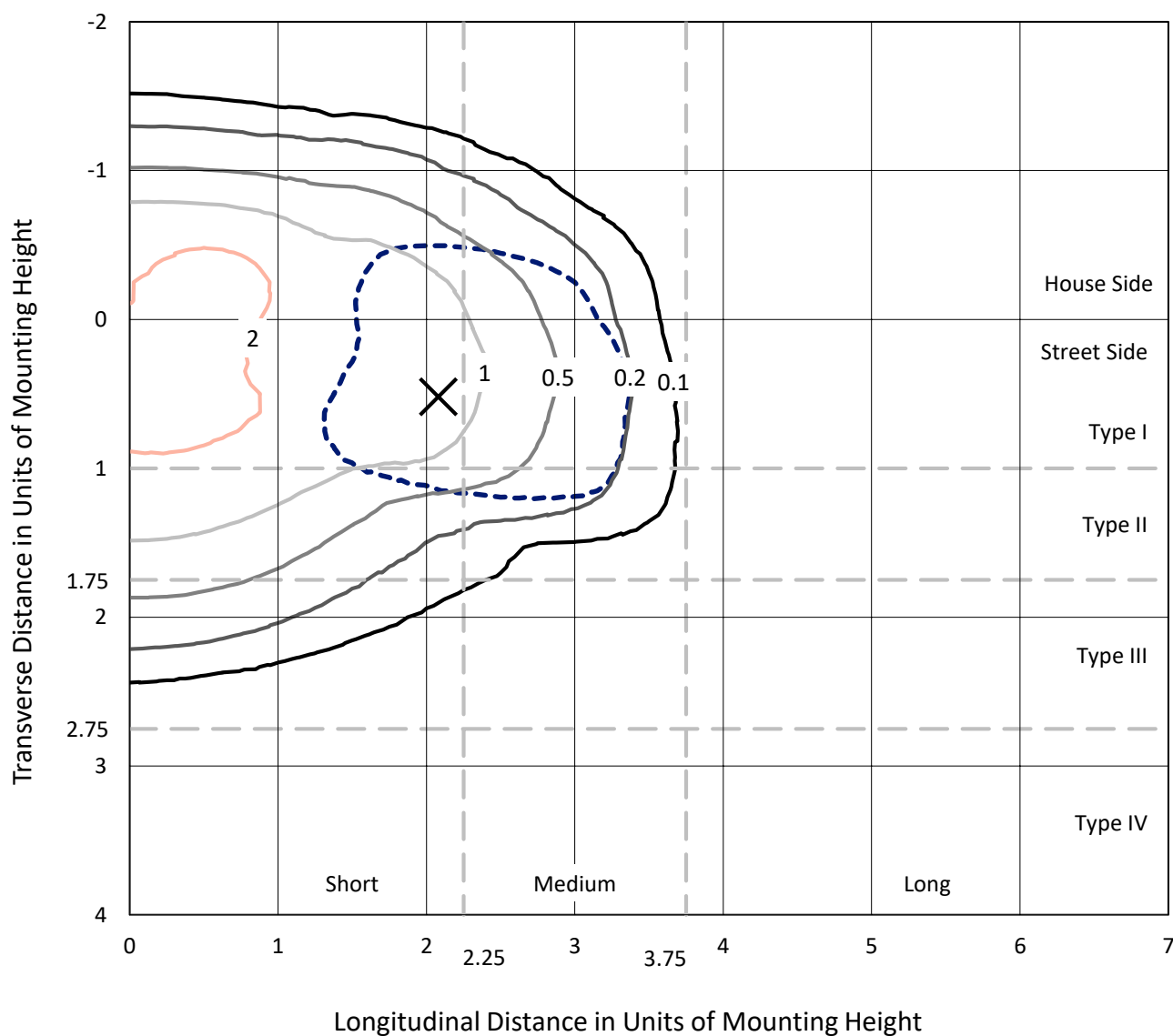
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

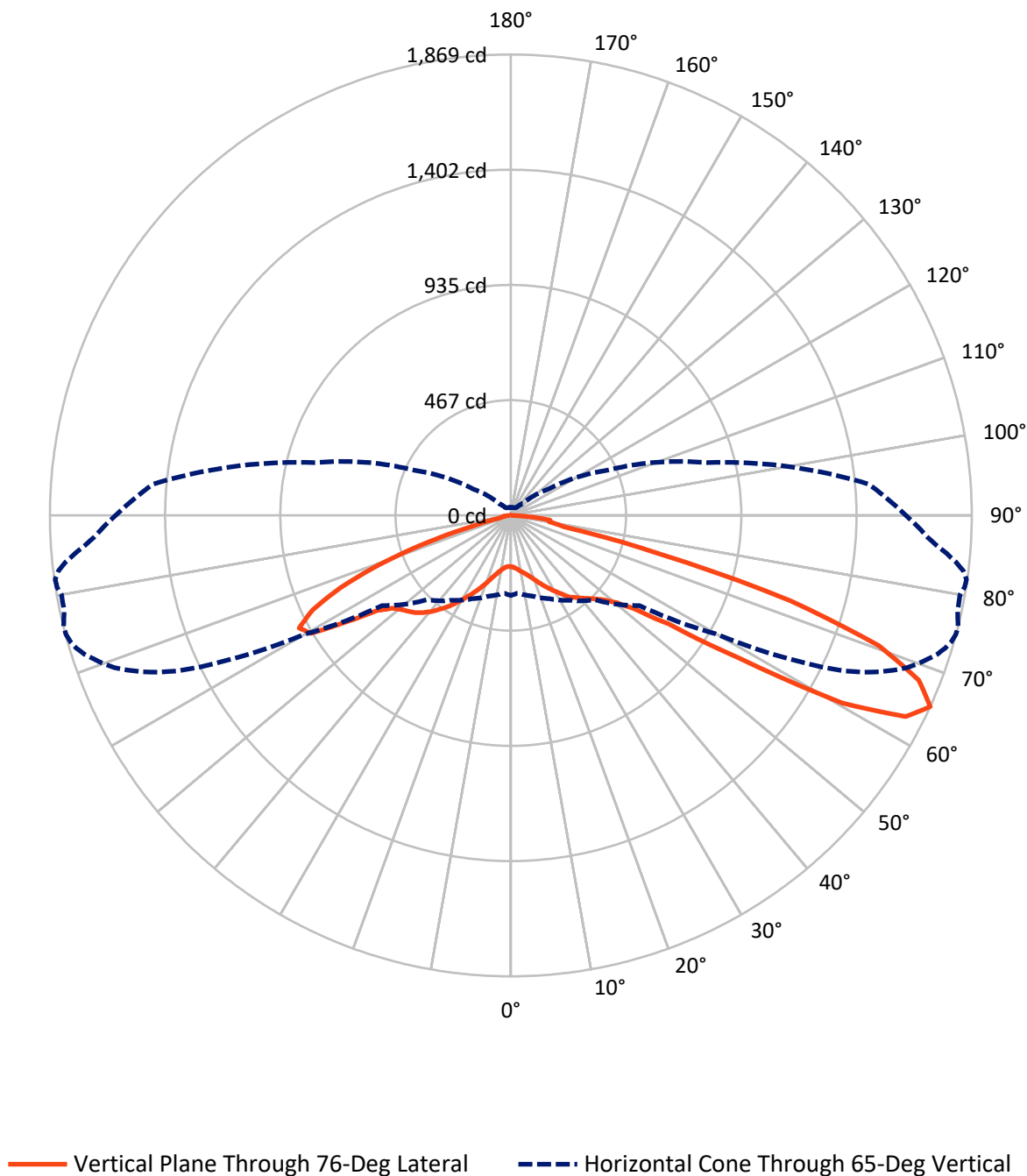


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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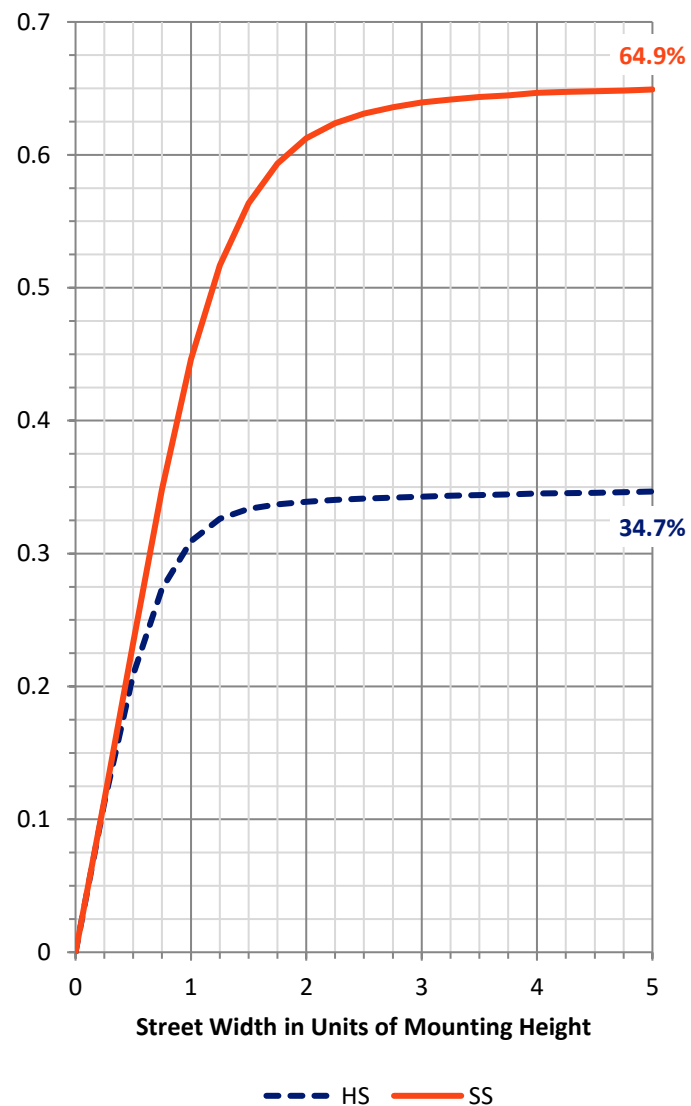
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	728.1	0.0	728.1
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1351.1	0.0	1351.1
	% Fixture	65.0	0.0	65.0
Total	Lumens	2079.2	0.0	2079.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	1.0
10°-20°	71.5	3.4
20°-30°	140.5	6.8
30°-40°	233.4	11.2
40°-50°	343.0	16.5
50°-60°	474.8	22.8
60°-70°	566.8	27.3
70°-80°	200.4	9.6
80°-90°	28.0	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°	2079.2	100.0
0°-180°	2079.2	100.0

Coefficient of Utilization



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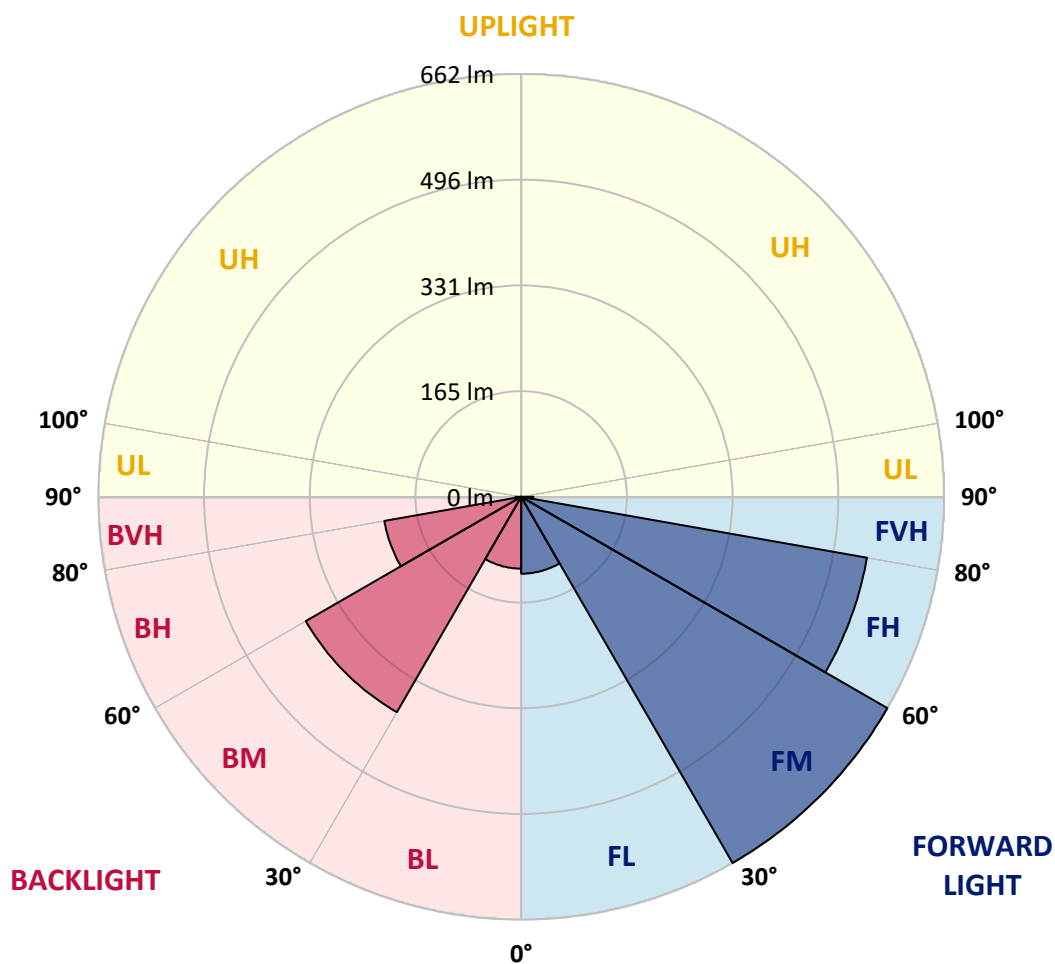
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	120.3	5.8			
FM	(30°-60°)	662.0	31.8			
FH	(60°-80°)	549.7	26.4			G0/660
FVH	(80°-90°)	19.1	0.9			G1/100
BL	(0°-30°)	112.5	5.4	B1/500		
BM	(30°-60°)	389.3	18.7	B1/1000		
BH	(60°-80°)	217.5	10.5	B1/500		G1/500
BVH	(80°-90°)	8.9	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°	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9
2.5°	216.9	217.2	216.7	216.5	215.8	214.7	213.8	212.9	212.9	212.9	212.2
5°	226.4	226.9	226.0	225.3	223.3	222.1	220.6	219.4	219.0	218.7	218.1
7.5°	238.4	237.7	236.4	235.9	234.4	231.9	228.9	226.7	226.7	226.4	226.7
10°	250.4	248.6	247.9	247.2	244.8	241.6	238.2	235.7	235.5	235.3	234.6
12.5°	262.4	261.7	261.0	258.6	256.1	251.1	247.2	244.8	244.5	244.8	243.9
15°	278.2	276.7	276.0	271.7	266.2	260.8	256.1	253.8	253.1	253.4	252.7
17.5°	290.5	290.5	288.9	284.1	277.1	269.6	264.7	263.3	263.1	263.1	263.3
20°	300.2	300.0	298.4	294.5	286.2	278.7	276.2	275.8	275.5	275.5	276.2
22.5°	305.6	305.2	304.5	300.2	293.6	288.6	288.9	290.2	290.7	291.1	292.0
25°	308.3	307.6	307.4	304.5	299.7	299.1	303.1	306.7	307.6	308.6	309.7
27.5°	312.8	311.7	312.2	311.0	309.9	311.9	320.3	324.2	324.8	326.0	326.6
30°	325.3	324.8	326.6	327.1	328.0	330.9	338.6	342.3	343.8	343.8	347.0
32.5°	349.0	349.3	349.7	354.5	356.1	358.1	362.2	365.1	365.3	365.6	368.5
35°	380.9	382.3	386.1	390.2	394.1	393.8	391.3	392.9	391.8	393.2	393.4
37.5°	421.2	419.4	425.0	434.3	440.2	438.6	427.5	420.3	422.3	421.4	420.8
40°	452.2	454.2	465.1	477.3	481.8	486.8	472.3	459.9	458.1	454.7	452.6
42.5°	494.9	495.2	504.0	513.0	526.2	537.0	527.7	509.9	504.4	500.4	491.6
45°	534.5	533.9	541.1	552.2	567.8	583.4	586.8	567.3	565.3	558.1	546.5
47.5°	561.0	560.1	565.1	579.6	604.9	630.4	644.5	638.6	634.7	631.8	613.7
50°	578.9	577.1	582.7	598.1	626.4	665.7	702.4	707.4	705.8	705.8	694.2
52.5°	592.2	592.2	596.3	608.7	637.5	686.5	752.1	777.3	779.3	781.6	780.9
55°	584.8	585.9	596.1	614.2	644.5	701.0	793.3	848.3	859.6	869.1	880.0
57.5°	559.2	563.0	576.6	606.2	646.3	711.9	839.0	947.8	979.7	1007.3	1050.3
60°	521.9	526.8	546.5	584.3	632.9	694.2	855.1	1032.0	1082.6	1142.8	1255.0
62.5°	457.8	462.8	482.1	519.8	561.5	626.6	788.6	1044.4	1125.4	1210.7	1380.3
65°	324.4	316.5	338.6	372.6	420.3	483.4	637.2	960.9	1077.4	1193.0	1402.5
67.5°	180.7	180.1	193.6	219.0	264.7	332.5	439.1	737.0	844.2	975.2	1232.4
70°	124.6	126.0	134.6	162.0	199.7	258.3	312.8	462.8	540.0	628.9	881.8
72.5°	87.5	90.5	95.2	111.5	150.2	217.6	319.6	276.7	315.1	375.7	530.2
75°	51.3	53.4	56.8	64.7	85.5	145.5	330.9	243.2	243.2	257.4	320.8
77.5°	31.7	31.7	33.7	36.9	45.5	71.3	235.7	273.3	265.6	257.4	258.1
80°	16.3	17.4	20.4	21.9	25.3	32.6	105.9	254.9	279.6	296.1	284.6
82.5°	7.5	8.4	12.4	13.3	14.7	17.2	36.4	145.0	194.3	255.8	319.6
85°	3.8	3.8	6.6	8.1	8.8	7.9	13.3	58.6	88.7	135.3	211.7
87.5°	0.7	0.7	1.1	1.4	2.0	1.8	2.3	3.4	5.7	6.1	6.3
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9
2.5°	212.0	212.2	212.0	211.7	211.3	211.3	211.3	211.1	211.1	211.1	210.8
5°	218.1	217.2	217.4	216.9	216.7	216.5	216.7	216.3	215.8	216.0	215.8
7.5°	225.8	225.3	224.4	224.4	224.2	223.7	223.7	223.0	222.8	222.4	222.1
10°	234.4	233.2	233.7	233.2	233.4	232.5	232.1	231.6	231.2	231.2	231.4
12.5°	243.2	242.9	242.3	241.8	241.8	241.1	241.4	241.1	240.5	240.2	239.6
15°	252.2	252.2	251.5	251.8	251.5	251.1	250.6	250.6	250.2	249.7	250.0
17.5°	262.9	262.9	262.9	262.9	263.1	262.4	262.6	262.2	261.7	262.6	262.6
20°	276.7	277.6	277.6	277.3	278.5	277.8	277.6	278.7	277.6	279.1	278.9
22.5°	292.5	293.4	293.4	294.3	294.5	295.2	295.7	295.2	296.1	297.0	297.0
25°	310.1	311.0	311.7	313.1	313.8	313.3	313.5	314.7	315.1	316.0	316.9
27.5°	328.7	328.9	329.8	331.4	332.5	333.0	333.2	335.0	335.2	335.7	336.6
30°	346.8	349.0	348.6	350.6	351.3	352.0	353.3	354.0	355.6	356.5	356.5
32.5°	368.0	367.6	369.4	371.0	372.1	373.2	374.4	375.3	376.2	376.6	378.9
35°	394.5	395.4	395.4	395.6	398.4	398.6	399.5	401.5	402.2	403.6	404.5
37.5°	420.8	419.2	418.9	418.9	418.0	418.7	418.9	419.2	420.1	420.3	421.2
40°	450.2	448.1	446.3	445.2	443.4	440.9	440.4	439.3	440.0	439.8	440.0
42.5°	490.4	484.8	480.5	477.3	473.7	471.0	468.9	466.0	464.0	461.5	461.0
45°	541.8	531.1	523.9	518.7	513.5	506.0	501.7	497.2	493.1	489.1	485.7
47.5°	609.2	597.9	586.3	576.8	568.7	556.7	544.5	537.7	529.8	522.8	517.8
50°	688.6	675.0	669.6	656.2	646.1	628.0	612.8	601.7	585.9	575.3	566.0
52.5°	769.8	766.4	763.5	752.1	740.2	729.8	716.4	697.0	680.9	668.7	649.7
55°	880.4	882.0	880.9	874.8	870.5	860.5	855.1	838.1	830.9	813.2	793.3
57.5°	1066.6	1079.2	1095.3	1101.6	1110.2	1102.1	1111.6	1123.1	1094.4	1104.4	1086.5
60°	1304.3	1362.5	1397.1	1439.6	1467.4	1506.3	1513.3	1523.5	1520.6	1526.2	1537.8
62.5°	1449.6	1518.6	1584.8	1633.0	1684.6	1713.1	1747.5	1771.5	1796.3	1813.1	1808.3
65°	1492.3	1563.3	1623.5	1676.2	1722.4	1757.2	1789.1	1819.2	1842.0	1858.1	1867.6
67.5°	1335.3	1428.1	1491.4	1553.2	1612.7	1649.3	1676.0	1705.2	1738.7	1766.5	1771.9
70°	1004.8	1143.9	1233.8	1307.7	1377.6	1426.9	1464.3	1491.4	1517.4	1537.3	1559.0
72.5°	628.4	750.1	852.8	948.7	1022.9	1090.8	1122.2	1182.4	1174.5	1189.6	1205.9
75°	376.6	435.9	492.5	560.1	599.0	655.6	665.7	675.7	670.5	653.5	666.2
77.5°	261.7	271.5	271.0	267.2	263.1	253.1	240.2	233.2	228.5	221.7	224.4
80°	263.3	242.3	210.1	176.7	145.9	125.5	117.4	117.4	125.8	137.8	149.8
82.5°	314.7	292.3	260.6	218.1	172.8	140.7	119.2	110.6	112.2	124.4	139.8
85°	212.2	217.2	190.5	174.2	138.0	107.4	90.0	73.1	64.7	66.7	75.6
87.5°	7.7	9.3	3.4	4.5	3.2	2.7	2.7	2.9	2.0	2.5	2.3
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9
2.5°	210.6	210.4	210.4	209.9	209.9	209.7	209.7	209.5	209.2	209.2	209.0
5°	215.6	215.4	214.9	214.7	214.2	214.2	214.0	213.5	213.5	213.1	212.9
7.5°	222.6	222.1	221.7	221.5	221.2	220.6	220.6	220.1	220.1	219.7	219.4
10°	231.0	230.5	230.1	230.3	229.6	229.4	228.9	228.9	228.2	228.0	228.0
12.5°	240.0	239.8	239.8	239.1	238.9	238.7	237.7	237.7	237.7	237.3	237.5
15°	249.7	250.0	249.3	250.0	249.7	249.1	249.1	249.1	248.2	249.3	248.4
17.5°	262.9	263.5	263.1	263.3	262.9	262.9	263.1	262.9	263.3	263.3	264.7
20°	279.1	279.4	280.5	280.0	280.0	279.8	280.3	280.5	281.4	281.0	281.9
22.5°	297.0	298.1	298.4	299.3	299.3	299.1	299.5	300.4	300.9	301.5	301.3
25°	317.4	318.1	319.0	317.8	319.6	319.6	320.1	321.2	321.4	321.4	323.0
27.5°	336.4	338.2	338.4	339.5	338.9	339.3	340.9	341.6	342.5	342.5	342.9
30°	357.9	358.5	359.0	360.4	360.1	360.4	360.6	361.7	361.7	362.8	364.0
32.5°	380.0	380.5	380.9	382.3	382.7	383.7	383.2	384.1	385.2	385.5	386.1
35°	406.5	407.0	407.4	409.4	409.7	411.3	411.7	411.3	413.1	411.9	413.1
37.5°	421.9	423.9	424.4	425.7	425.3	426.4	427.1	428.0	428.4	429.3	431.2
40°	440.7	441.3	442.7	443.4	444.3	444.5	445.4	446.1	446.8	448.8	450.8
42.5°	459.9	460.8	461.5	462.4	463.5	464.4	465.1	467.1	467.6	468.9	472.8
45°	483.2	482.7	483.0	483.2	483.6	484.8	486.8	488.8	490.2	493.4	496.5
47.5°	512.1	509.2	508.1	506.3	506.7	509.2	509.7	513.0	515.8	518.7	522.5
50°	556.0	548.1	543.4	538.6	538.2	539.5	541.3	544.9	548.1	552.0	557.4
52.5°	629.8	614.6	605.1	592.0	588.4	587.7	586.3	588.4	589.3	594.5	604.7
55°	779.1	751.0	732.9	712.6	693.6	687.9	677.0	679.3	677.0	680.2	695.4
57.5°	1090.8	1068.4	1050.7	1024.7	992.2	957.5	949.0	913.4	920.4	940.8	927.7
60°	1543.4	1535.3	1522.6	1510.2	1465.6	1440.5	1399.6	1395.0	1366.3	1366.5	1347.8
62.5°	1796.8	1807.2	1799.5	1795.9	1793.4	1785.5	1765.1	1740.7	1704.0	1677.6	1638.7
65°	1869.2	1860.4	1852.0	1850.9	1850.2	1863.1	1866.0	1848.8	1815.6	1774.4	1729.6
67.5°	1784.8	1779.8	1780.3	1770.8	1776.7	1799.1	1814.7	1809.9	1779.4	1729.6	1672.6
70°	1583.9	1574.2	1584.2	1596.6	1605.4	1618.3	1633.9	1637.8	1609.9	1558.8	1500.7
72.5°	1186.0	1187.6	1197.1	1200.5	1236.0	1232.4	1246.4	1200.7	1180.6	1132.0	1102.1
75°	624.1	613.9	640.4	584.3	561.2	577.3	532.3	489.1	498.1	505.6	451.7
77.5°	220.6	206.3	182.1	172.4	143.4	121.5	99.3	89.6	84.4	81.7	78.3
80°	158.3	162.9	157.9	146.1	124.2	99.5	78.5	62.0	53.2	48.4	45.2
82.5°	160.2	178.0	185.9	182.6	162.6	123.1	81.2	51.8	38.5	32.1	29.9
85°	86.0	94.1	90.5	76.2	68.5	40.9	28.1	18.8	15.8	14.5	13.3
87.5°	3.4	2.7	2.3	2.3	2.5	2.7	2.3	2.5	2.3	2.3	2.3
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9	207.9
2.5°	208.6	208.6	208.6	208.3	207.9	206.8	205.6	204.7	204.0	203.4	202.5
5°	212.6	212.2	212.2	212.2	210.4	208.6	207.0	205.4	204.0	202.9	202.0
7.5°	219.4	219.2	218.3	218.1	216.7	213.8	212.0	209.2	207.7	206.1	205.6
10°	227.6	227.3	227.1	226.9	225.1	222.1	219.9	217.4	215.1	212.9	210.6
12.5°	237.1	236.8	236.6	235.9	235.3	233.7	231.2	228.5	225.8	221.0	218.5
15°	248.8	249.3	248.8	248.6	248.2	248.4	246.8	242.9	238.7	232.5	227.3
17.5°	264.4	264.0	263.8	264.7	264.4	265.6	265.1	260.1	253.6	243.9	234.8
20°	281.6	281.6	282.5	283.2	285.3	288.2	286.8	280.7	268.7	255.2	243.4
22.5°	302.2	302.7	303.6	303.1	306.3	311.0	311.5	302.9	287.3	268.5	252.0
25°	323.7	324.2	323.3	324.6	329.8	336.6	338.0	325.7	305.2	280.7	259.2
27.5°	344.1	344.5	344.5	346.3	351.3	362.8	364.2	350.6	323.3	291.4	264.4
30°	364.0	365.8	366.2	366.7	374.2	390.2	393.2	373.5	339.1	299.3	268.1
32.5°	389.1	389.8	390.7	391.8	400.4	420.1	420.1	393.2	349.3	304.3	268.7
35°	416.0	416.2	418.3	418.5	430.7	450.4	446.5	409.4	356.5	303.1	263.8
37.5°	432.3	433.2	435.2	437.9	450.8	478.7	469.8	423.5	357.9	295.7	252.5
40°	452.4	454.2	456.3	459.0	478.2	507.4	489.5	432.3	352.2	281.0	235.5
42.5°	474.1	476.6	479.8	484.8	507.6	532.7	504.4	433.6	339.3	264.4	215.4
45°	498.6	503.1	506.7	512.6	538.4	554.7	513.5	425.7	323.0	242.7	193.9
47.5°	526.8	530.5	536.8	543.1	568.9	569.6	514.4	410.3	300.9	221.0	171.0
50°	561.7	563.9	573.4	577.3	601.5	585.2	507.8	389.5	277.6	196.6	145.7
52.5°	608.1	611.2	623.4	629.3	646.5	606.5	498.6	366.9	250.9	169.2	119.7
55°	699.7	713.5	722.1	732.2	743.3	654.7	494.5	342.7	220.8	137.5	94.8
57.5°	956.9	952.3	971.3	994.4	994.2	764.8	518.9	321.9	185.3	105.2	72.8
60°	1340.1	1344.4	1334.6	1348.4	1304.6	901.4	552.4	300.0	145.2	78.3	55.6
62.5°	1624.9	1600.0	1586.2	1569.9	1473.3	916.4	528.0	254.9	105.6	55.0	42.8
65°	1692.3	1663.1	1633.5	1602.5	1456.8	826.1	433.2	187.1	68.3	37.8	33.9
67.5°	1625.8	1578.9	1541.2	1509.3	1334.9	684.7	316.7	114.9	39.1	30.5	29.0
70°	1453.4	1401.6	1340.5	1304.8	1124.0	504.7	202.9	62.0	30.1	27.1	26.5
72.5°	1063.9	1021.3	954.6	913.7	807.1	306.7	113.3	34.8	28.1	26.0	25.1
75°	414.4	392.2	364.4	366.7	327.3	135.7	51.3	30.1	27.4	25.6	24.7
77.5°	71.3	69.4	64.2	64.2	73.1	49.5	34.2	30.3	27.1	25.1	23.5
80°	42.8	41.8	39.8	39.4	38.0	34.8	32.8	30.8	26.7	23.8	21.7
82.5°	28.1	26.9	26.2	26.0	28.3	30.5	30.8	30.5	25.3	20.6	17.6
85°	12.0	12.0	12.0	12.2	16.3	24.7	25.3	27.1	20.8	16.1	12.7
87.5°	2.0	2.5	2.5	2.7	2.9	5.4	6.8	8.8	7.0	6.8	6.1
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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	165°	175°	180°
0°	207.9	207.9	207.9
2.5°	202.2	201.8	201.8
5°	201.6	201.1	201.3
7.5°	204.3	203.4	203.6
10°	209.2	208.3	207.9
12.5°	215.6	214.4	214.4
15°	222.1	219.4	219.2
17.5°	227.6	224.2	223.7
20°	233.7	229.2	228.5
22.5°	239.3	233.2	232.3
25°	243.4	235.9	234.8
27.5°	245.2	236.4	235.5
30°	246.6	236.6	235.3
32.5°	245.2	234.6	233.4
35°	237.7	226.2	225.5
37.5°	224.9	212.0	211.1
40°	207.9	194.3	192.1
42.5°	186.2	173.5	171.0
45°	165.1	150.7	149.5
47.5°	142.5	128.7	129.4
50°	118.8	106.3	106.1
52.5°	96.1	85.3	84.6
55°	75.8	68.1	67.4
57.5°	59.9	55.9	55.2
60°	48.9	46.8	46.1
62.5°	39.4	38.7	38.5
65°	32.8	32.8	32.8
67.5°	28.5	28.7	28.7
70°	26.2	26.5	26.2
72.5°	25.3	26.0	26.0
75°	24.7	25.1	24.2
77.5°	24.2	24.4	22.8
80°	24.0	23.8	20.8
82.5°	20.8	20.1	17.6
85°	19.0	14.5	12.2
87.5°	9.7	6.8	5.2
90°	0.0	0.0	0.0

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