

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: P180837

Luminaire Tested: **ICS-E03-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180837
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E03-LED-E1-SL4-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5018.2 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
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

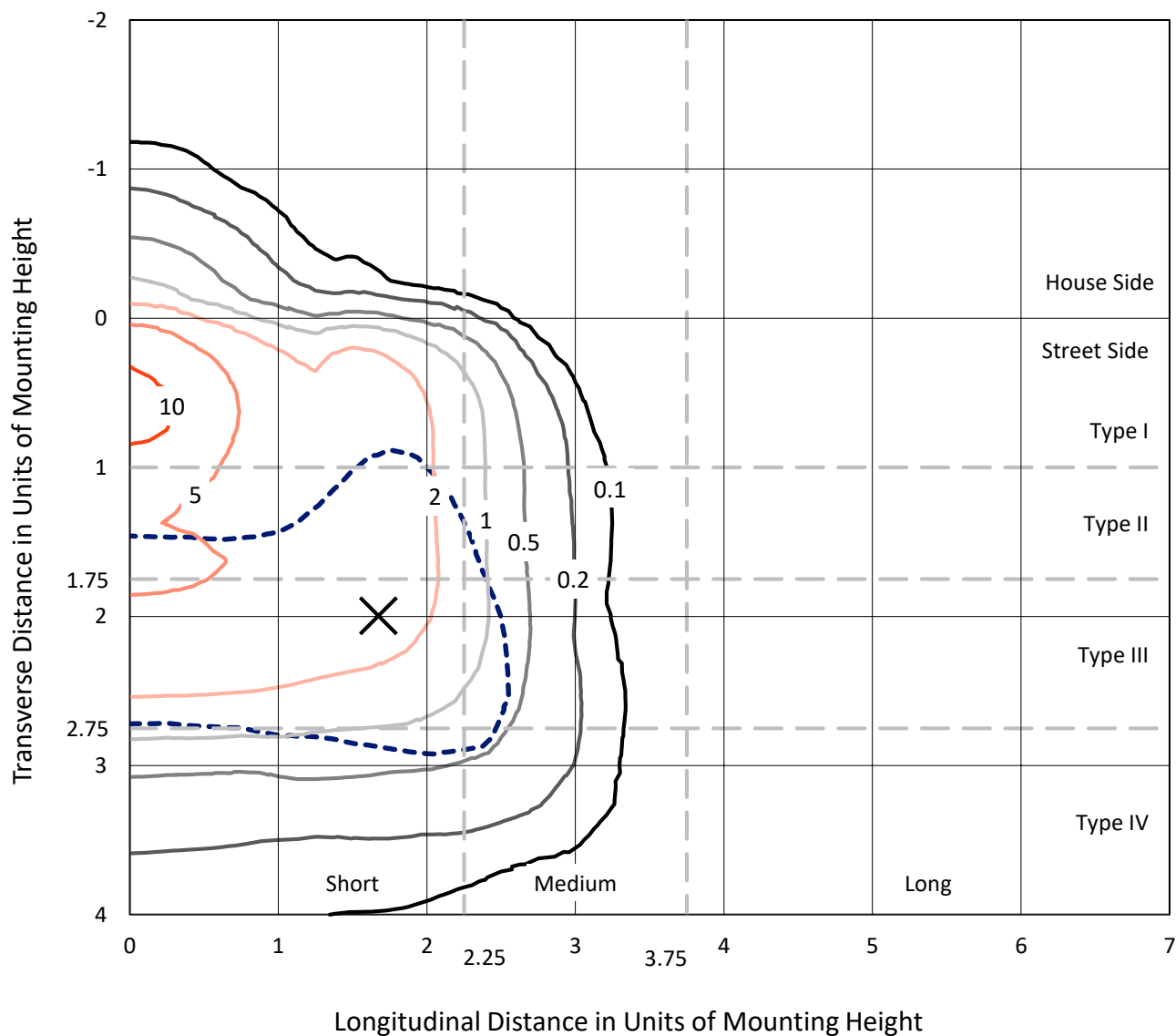


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

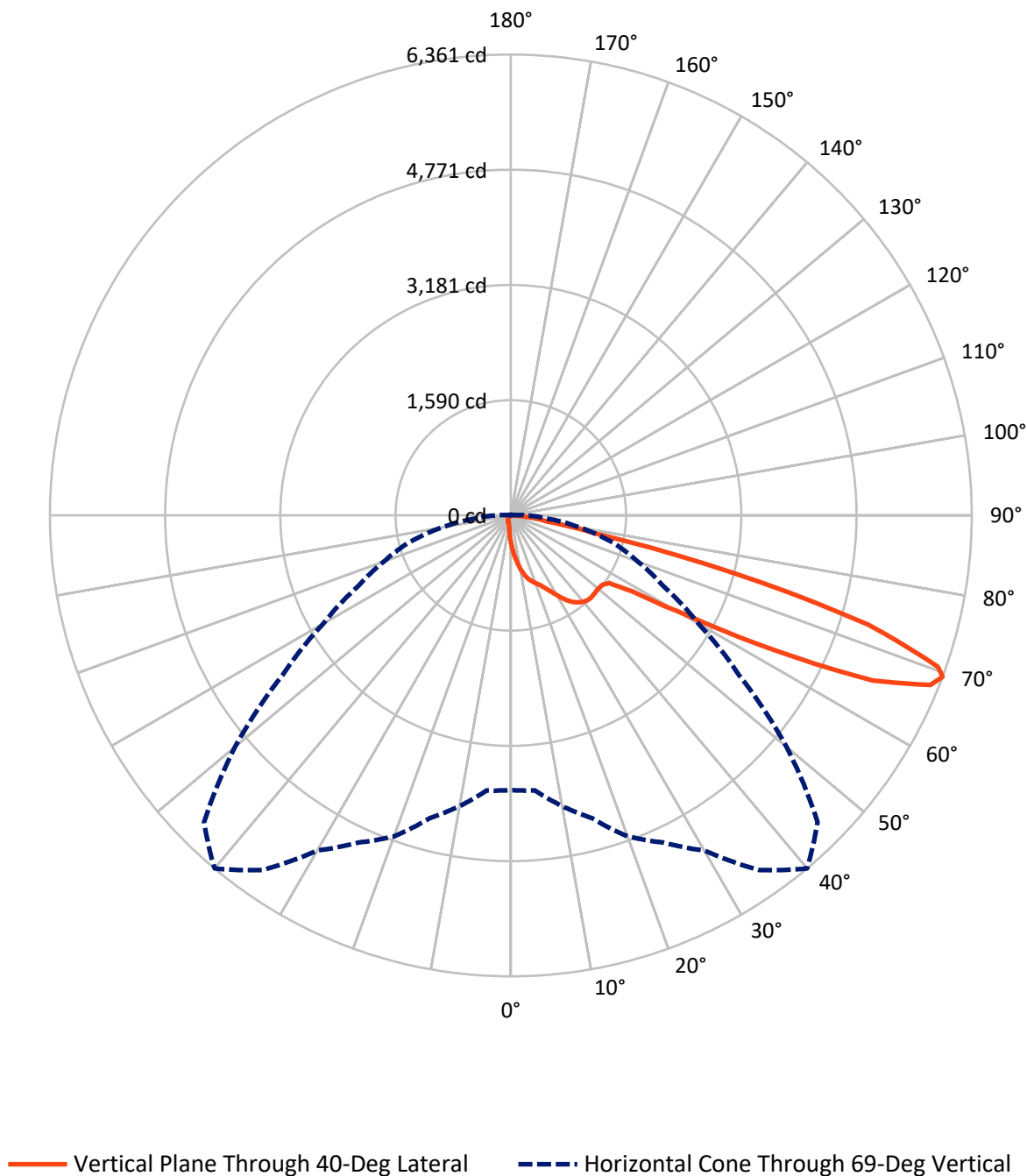


Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	149.4	0.0	149.4
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	4868.8	0.0	4868.8
	% Fixture	97.0	0.0	97.0
Total	Lumens	5018.2	0.0	5018.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	0.8
10°-20°	134.3	2.7
20°-30°	257.0	5.1
30°-40°	427.5	8.5
40°-50°	578.4	11.5
50°-60°	904.6	18.0
60°-70°	1859.8	37.1
70°-80°	748.4	14.9
80°-90°	69.2	1.4
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°	5018.2	100.0
0°-180°	5018.2	100.0

Coefficient of Utilization



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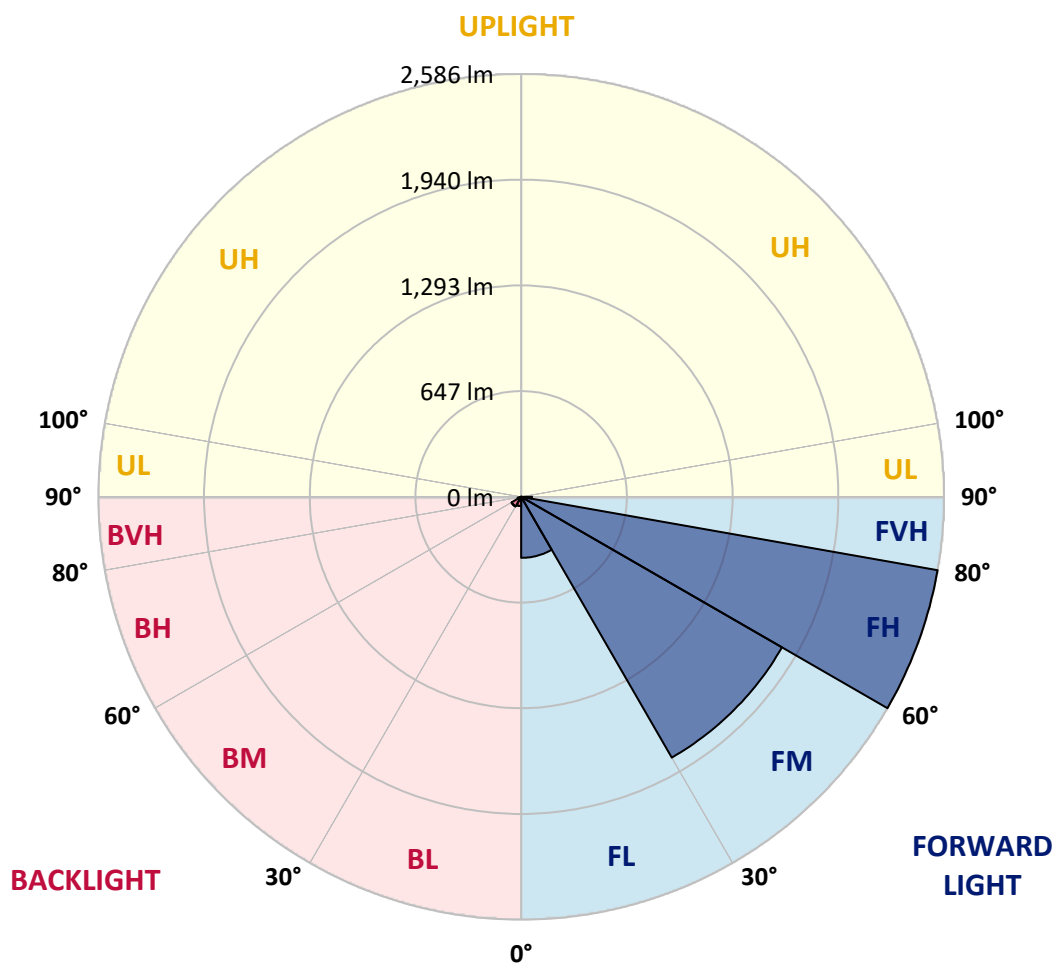
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	373.5	7.4			
FM	(30°-60°)	1842.3	36.7			
FH	(60°-80°)	2586.4	51.5			G2/5000
FVH	(80°-90°)	66.7	1.3			G1/100
BL	(0°-30°)	56.8	1.1	B0/110		
BM	(30°-60°)	68.2	1.4	B0/220		
BH	(60°-80°)	21.8	0.4	B0/110		G0/110
BVH	(80°-90°)	2.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0
2.5°	505.6	499.8	493.2	493.2	485.0	485.0	480.1	466.9	465.3	457.9	450.5
5°	645.3	640.4	632.2	624.8	618.2	606.7	598.5	582.8	565.6	549.1	534.3
7.5°	781.8	779.3	764.5	762.0	751.4	732.5	716.0	693.0	663.4	640.4	613.3
10°	908.4	902.6	899.3	885.4	869.7	849.2	823.7	795.8	761.2	725.1	686.4
12.5°	1008.7	1005.4	990.6	984.8	968.4	947.8	915.8	879.6	845.1	798.2	753.0
15°	1083.5	1077.7	1067.9	1058.8	1039.1	1021.0	991.4	951.9	910.0	859.1	804.8
17.5°	1146.0	1135.3	1132.8	1118.8	1098.3	1076.9	1044.0	1007.8	958.5	907.6	848.4
20°	1229.8	1215.0	1210.1	1189.5	1165.7	1136.1	1098.3	1053.1	1001.3	945.4	884.5
22.5°	1328.4	1317.8	1307.1	1289.0	1258.6	1216.6	1161.6	1112.2	1046.5	984.8	919.1
25°	1468.2	1459.2	1441.9	1417.2	1379.4	1329.3	1262.7	1190.3	1113.1	1034.2	956.9
27.5°	1603.8	1595.6	1583.3	1564.4	1521.6	1466.6	1384.3	1292.3	1194.5	1099.1	1013.6
30°	1731.3	1723.9	1711.5	1692.6	1654.8	1600.6	1507.7	1409.0	1287.3	1176.4	1073.6
32.5°	1868.5	1866.1	1852.1	1825.0	1792.1	1718.9	1617.8	1511.8	1388.5	1260.2	1140.2
35°	2023.9	2005.0	1991.9	1964.7	1908.8	1830.7	1712.4	1596.4	1466.6	1335.0	1201.0
37.5°	2155.4	2137.4	2120.9	2086.4	2018.2	1918.7	1784.7	1657.3	1523.3	1389.3	1252.8
40°	2251.6	2242.6	2222.9	2177.6	2101.2	1982.8	1838.1	1699.2	1564.4	1429.6	1294.7
42.5°	2323.1	2309.2	2287.0	2240.1	2149.7	2014.9	1859.5	1716.5	1583.3	1454.2	1321.9
45°	2349.4	2337.9	2317.4	2266.4	2168.6	2023.9	1858.7	1711.5	1584.1	1461.6	1340.0
47.5°	2333.8	2322.3	2304.2	2256.6	2160.4	2013.2	1843.9	1697.6	1575.9	1464.1	1356.4
50°	2282.0	2275.5	2261.5	2221.2	2134.9	1992.7	1830.7	1690.2	1574.2	1476.4	1379.4
52.5°	2277.1	2273.0	2255.7	2215.5	2127.5	1986.1	1829.1	1694.3	1588.2	1492.0	1395.9
55°	2782.7	2724.3	2593.6	2482.6	2300.1	2083.1	1912.1	1760.9	1647.4	1553.7	1486.3
57.5°	3954.9	3867.8	3696.0	3484.7	3065.5	2653.6	2324.0	2085.6	1968.0	1925.3	1950.7
60°	4504.1	4488.4	4461.3	4361.0	4146.5	3792.2	3397.6	2970.9	2799.9	2785.1	2836.9
62.5°	4764.7	4754.8	4763.0	4750.7	4684.1	4580.5	4467.1	4282.9	4113.6	4004.3	3772.4
65°	4884.7	4891.3	4938.1	4975.1	4983.3	5010.5	5093.5	5322.8	5490.5	5208.6	4564.9
67.5°	4579.7	4618.3	4726.0	4860.8	5018.7	5171.6	5418.2	5901.6	6246.0	5914.7	5000.6
69°	3791.3	3810.2	4073.3	4327.3	4712.9	4982.5	5340.1	5973.9	6361.1	5987.1	4966.1
70°	2984.9	3002.2	3284.1	3629.4	4281.3	4628.2	5096.0	5851.4	6253.4	5890.9	4788.5
72.5°	1346.5	1321.9	1421.3	1606.3	2314.9	2865.7	3683.7	4740.8	5159.2	4719.4	3582.5
75°	940.4	929.7	940.4	941.3	1051.4	1356.4	1711.5	2569.8	3178.1	2742.4	1711.5
77.5°	728.3	720.9	713.5	705.3	718.5	804.8	839.3	911.7	1183.8	1119.6	652.7
80°	576.3	569.7	587.8	582.0	582.0	591.9	585.3	558.2	507.2	470.2	420.9
82.5°	268.0	269.6	269.6	292.7	352.7	411.9	430.8	403.6	358.4	305.0	245.8
85°	25.5	28.8	48.5	74.8	148.8	167.7	168.5	139.8	139.8	110.2	88.8
87.5°	0.0	0.8	0.8	0.8	7.4	20.6	17.3	4.9	2.5	2.5	4.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0
2.5°	437.3	434.9	425.0	415.1	406.1	396.2	387.2	378.1	368.3	360.9	351.8
5°	511.3	493.2	472.7	453.0	433.2	412.7	391.3	372.4	352.7	334.6	317.3
7.5°	586.1	550.8	522.8	487.5	455.4	423.4	393.8	363.4	335.4	309.1	284.4
10°	649.4	606.7	563.1	517.9	471.9	429.1	388.0	351.8	314.8	282.8	252.4
12.5°	701.2	647.0	593.5	536.8	485.0	430.8	379.8	336.2	292.7	256.5	225.2
15°	748.1	685.6	621.5	555.7	489.9	428.3	371.6	317.3	272.9	231.8	196.5
17.5°	785.9	714.4	642.0	568.0	497.3	425.0	360.9	304.2	252.4	209.6	175.1
20°	818.8	744.0	665.9	582.8	502.3	424.2	351.8	287.7	234.3	189.1	155.4
22.5°	849.2	774.4	690.5	601.7	509.7	423.4	343.6	275.4	218.7	173.5	139.8
25°	883.7	804.8	716.8	621.5	522.8	426.6	338.7	265.5	204.7	158.7	127.4
27.5°	922.4	839.3	748.1	646.1	540.1	433.2	337.0	254.8	192.4	144.7	117.6
30°	976.6	880.4	779.3	670.8	555.7	440.6	335.4	248.3	180.0	134.0	107.7
32.5°	1024.3	920.7	813.8	696.3	573.0	448.0	334.6	239.2	168.5	123.3	100.3
35°	1074.4	957.7	843.4	720.9	587.8	456.2	333.8	232.6	157.8	112.6	92.9
37.5°	1118.0	988.9	866.5	742.3	604.2	463.6	334.6	226.9	148.0	103.6	86.3
40°	1155.0	1021.0	891.9	762.0	621.5	475.2	335.4	221.1	138.1	95.4	80.6
42.5°	1187.9	1051.4	919.1	784.2	641.2	488.3	340.3	216.2	129.9	88.0	74.8
45°	1213.4	1079.4	948.7	815.5	673.3	509.7	349.4	212.9	121.7	81.4	69.9
47.5°	1239.7	1120.5	998.8	864.8	720.1	543.4	365.0	212.1	115.1	76.5	65.8
50°	1275.8	1161.6	1043.2	915.0	762.9	577.9	383.9	212.9	106.9	71.5	61.7
52.5°	1302.1	1203.5	1100.7	1002.1	864.8	683.1	457.1	227.7	102.8	67.4	56.7
55°	1457.5	1440.2	1442.7	1459.2	1353.1	1162.4	764.5	328.8	120.8	76.5	55.9
57.5°	2055.2	2116.0	2151.3	2150.5	1975.4	1638.4	1026.8	422.5	134.8	88.8	66.6
60°	2841.0	2795.0	2730.1	2569.8	2337.1	1870.2	1148.4	454.6	116.7	70.7	60.8
62.5°	3535.7	3266.0	3026.8	2767.1	2462.1	1950.7	1173.1	452.1	101.9	53.4	42.7
65°	3968.9	3483.9	3097.5	2772.0	2412.7	1883.3	1109.8	415.1	86.3	43.6	35.3
67.5°	4072.5	3366.3	2819.7	2404.5	2015.7	1465.7	814.7	312.4	67.4	36.2	31.2
69°	3846.4	2992.3	2336.3	1865.3	1466.6	972.5	503.9	197.3	51.8	32.9	28.8
70°	3538.1	2602.6	1903.1	1497.0	1085.9	683.1	352.7	138.9	41.9	30.4	26.3
72.5°	2276.3	1367.1	935.5	651.1	448.0	272.1	138.1	62.5	32.1	25.5	21.4
75°	882.9	505.6	366.6	278.7	217.8	151.3	83.9	40.3	27.1	21.4	16.4
77.5°	434.9	332.9	272.1	186.6	108.5	67.4	45.2	31.2	22.2	15.6	10.7
80°	343.6	228.5	136.5	84.7	64.1	48.5	34.5	25.5	16.4	9.9	7.4
82.5°	175.9	96.2	70.7	57.5	47.7	37.8	28.0	18.1	10.7	6.6	5.8
85°	55.1	40.3	36.2	35.3	32.9	27.1	19.7	11.5	6.6	4.1	4.1
87.5°	4.1	5.8	7.4	5.8	6.6	5.8	7.4	4.9	3.3	3.3	2.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0
2.5°	345.3	335.4	326.4	320.6	309.9	305.8	301.7	300.1	292.7	294.3	287.7
5°	301.7	284.4	271.3	258.1	245.8	236.8	229.4	220.3	212.9	209.6	203.0
7.5°	262.2	240.0	222.8	208.8	194.0	182.5	172.6	166.1	159.5	152.9	149.6
10°	227.7	203.9	184.1	170.2	156.2	146.3	138.9	134.0	129.9	127.4	126.6
12.5°	195.7	172.6	154.5	142.2	131.5	126.6	123.3	120.8	120.0	119.2	119.2
15°	171.0	148.0	134.0	125.0	120.0	117.6	116.7	115.1	113.4	112.6	112.6
17.5°	148.0	130.7	120.8	115.9	113.4	111.8	110.2	108.5	106.9	106.0	106.0
20°	132.4	118.4	113.4	110.2	107.7	106.0	103.6	101.9	101.1	100.3	99.5
22.5°	120.0	111.0	107.7	105.2	101.9	99.5	97.8	96.2	94.5	93.7	92.9
25°	111.0	105.2	102.8	99.5	96.2	93.7	91.2	88.8	87.1	86.3	84.7
27.5°	104.4	100.3	97.0	92.9	89.6	87.1	84.7	82.2	80.6	78.9	78.1
30°	98.6	94.5	90.4	87.1	83.0	80.6	77.3	74.8	74.0	72.3	70.7
32.5°	92.9	88.8	84.7	80.6	76.5	73.2	71.5	68.2	66.6	65.8	64.1
35°	86.3	82.2	77.3	74.0	69.9	66.6	64.1	61.7	60.0	58.4	57.5
37.5°	80.6	75.6	70.7	66.6	63.3	60.0	57.5	55.1	53.4	51.8	51.0
40°	74.0	69.1	64.1	60.0	56.7	54.3	51.8	49.3	47.7	46.9	46.9
42.5°	68.2	62.5	57.5	54.3	51.8	48.5	46.0	43.6	42.7	41.9	42.7
45°	62.5	56.7	52.6	49.3	46.9	43.6	41.1	39.5	38.6	39.5	40.3
47.5°	57.5	51.8	47.7	45.2	42.7	40.3	37.8	36.2	36.2	37.8	39.5
50°	52.6	46.9	43.6	41.9	39.5	37.0	33.7	32.9	33.7	35.3	37.0
52.5°	47.7	41.1	38.6	37.8	35.3	32.9	30.4	29.6	30.4	32.1	31.2
55°	42.7	36.2	35.3	34.5	32.1	28.8	26.3	26.3	26.3	25.5	23.8
57.5°	41.1	32.1	31.2	30.4	28.0	24.7	23.0	21.4	20.6	18.1	17.3
60°	42.7	28.8	28.8	27.1	24.7	21.4	18.9	16.4	14.8	13.2	13.2
62.5°	34.5	26.3	25.5	23.8	20.6	17.3	14.8	12.3	11.5	10.7	10.7
65°	28.0	23.8	22.2	19.7	17.3	14.0	11.5	9.9	9.0	9.0	9.9
67.5°	25.5	21.4	18.9	16.4	14.0	10.7	9.0	8.2	8.2	9.0	9.0
69°	23.8	19.7	17.3	14.8	12.3	9.9	8.2	8.2	8.2	8.2	9.0
70°	22.2	18.9	16.4	14.0	10.7	8.2	7.4	7.4	8.2	8.2	9.0
72.5°	17.3	14.8	14.0	11.5	8.2	7.4	6.6	7.4	7.4	8.2	8.2
75°	13.2	10.7	10.7	9.0	6.6	5.8	5.8	6.6	6.6	7.4	7.4
77.5°	9.0	7.4	7.4	6.6	5.8	4.9	4.9	5.8	6.6	6.6	7.4
80°	6.6	5.8	4.9	5.8	4.9	4.1	4.9	5.8	5.8	6.6	6.6
82.5°	4.9	4.9	4.9	4.9	4.1	4.1	4.9	4.9	5.8	6.6	6.6
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.9	4.9	5.8	5.8
87.5°	2.5	2.5	2.5	3.3	3.3	4.1	4.1	4.1	4.1	4.9	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):

	165°	170°	175°	180°
0°	379.0	379.0	379.0	379.0
2.5°	286.1	285.3	282.0	282.8
5°	200.6	195.7	198.9	198.1
7.5°	147.1	146.3	145.5	147.1
10°	125.8	125.8	125.0	125.8
12.5°	118.4	118.4	118.4	118.4
15°	112.6	112.6	111.8	111.8
17.5°	106.0	106.0	106.0	105.2
20°	99.5	98.6	98.6	98.6
22.5°	92.1	91.2	91.2	91.2
25°	84.7	83.9	83.9	83.9
27.5°	77.3	76.5	75.6	75.6
30°	69.9	69.1	68.2	68.2
32.5°	62.5	61.7	60.8	60.8
35°	55.9	55.9	55.1	54.3
37.5°	50.1	50.1	50.1	50.1
40°	46.0	46.9	46.9	46.9
42.5°	43.6	44.4	45.2	46.0
45°	41.9	43.6	44.4	44.4
47.5°	41.1	41.9	42.7	42.7
50°	37.8	37.0	37.0	37.0
52.5°	30.4	28.8	28.0	27.1
55°	22.2	21.4	19.7	19.7
57.5°	15.6	15.6	14.8	14.8
60°	12.3	12.3	11.5	12.3
62.5°	10.7	10.7	10.7	10.7
65°	9.9	9.9	9.9	9.9
67.5°	9.9	9.9	9.9	9.9
69°	9.0	9.0	9.0	9.0
70°	9.0	9.0	9.0	9.0
72.5°	8.2	8.2	8.2	8.2
75°	7.4	8.2	8.2	8.2
77.5°	7.4	7.4	7.4	7.4
80°	6.6	6.6	7.4	7.4
82.5°	6.6	6.6	6.6	6.6
85°	5.8	5.8	6.6	6.6
87.5°	4.9	4.9	5.8	5.8
90°	0.0	0.0	0.0	0.0

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