

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: P180557

Luminaire Tested: **ICM-E01-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180557
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E01-LED-E1-SL3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1473.1 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

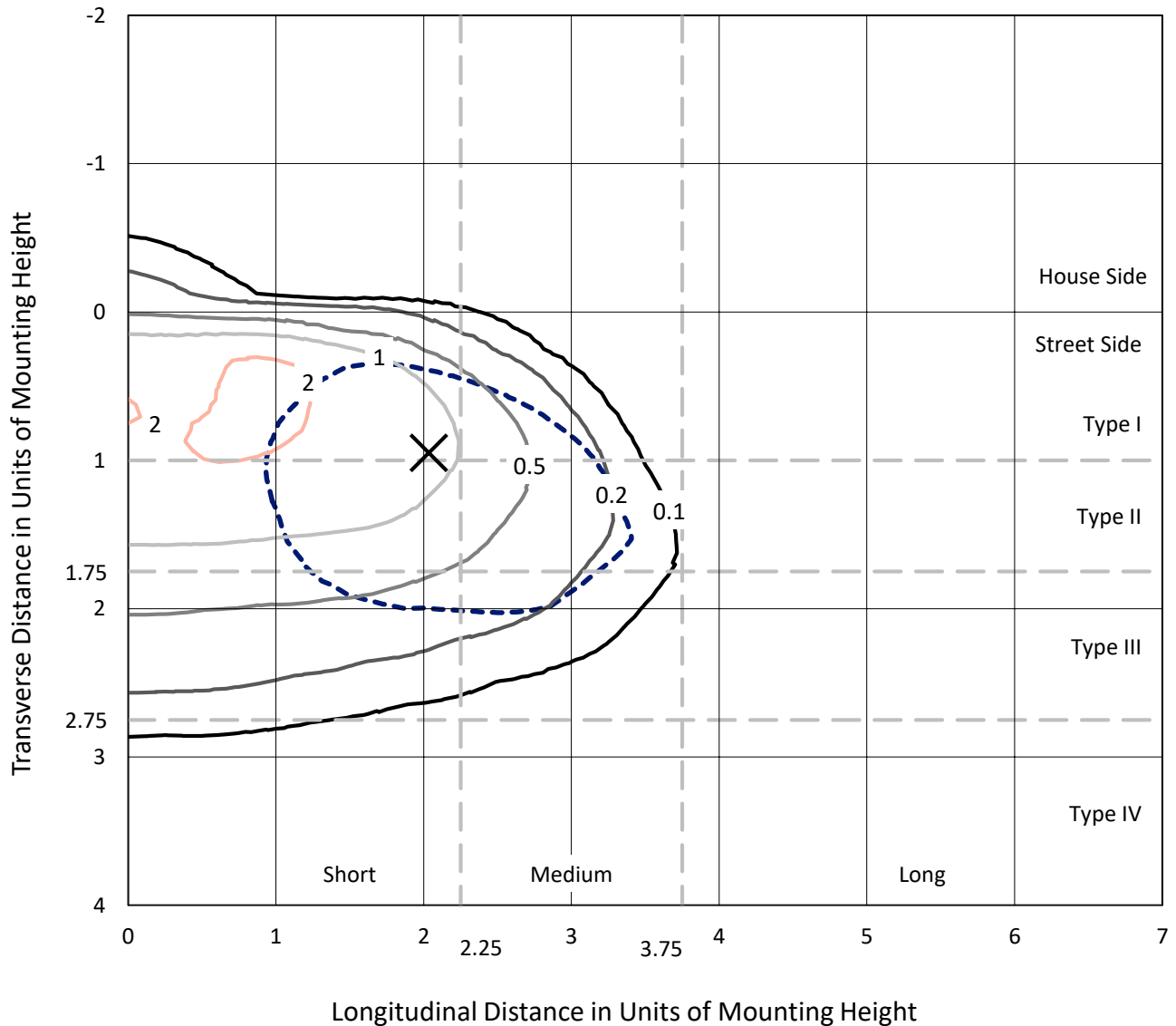
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

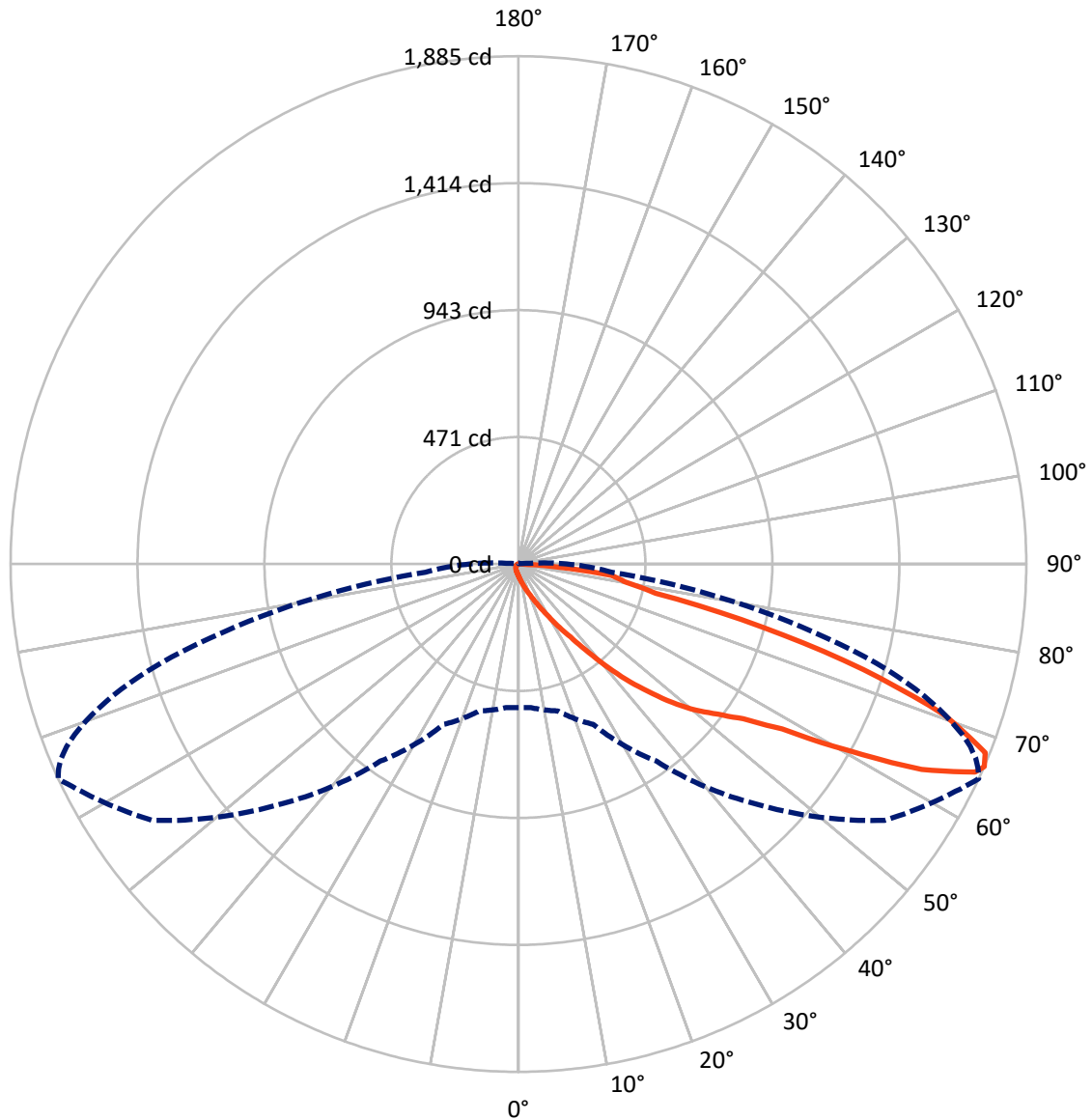
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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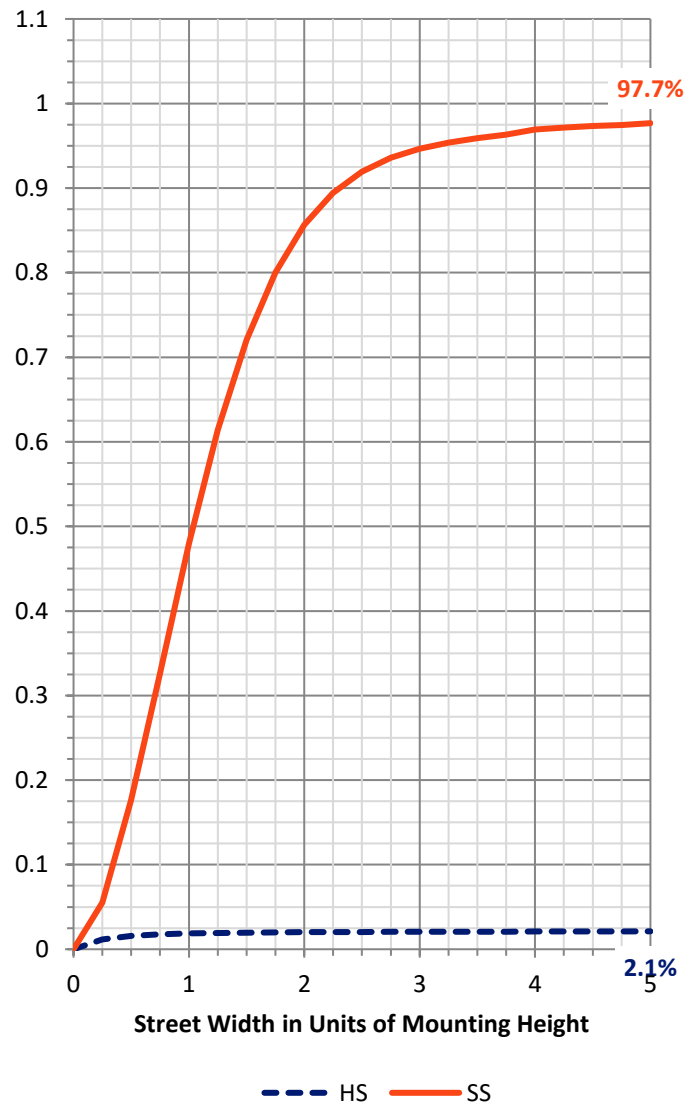
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31.9	0.0	31.9
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1441.2	0.0	1441.2
	% Fixture	97.8	0.0	97.8
Total	Lumens	1473.1	0.0	1473.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.3
10°-20°	21.1	1.4
20°-30°	45.5	3.1
30°-40°	97.2	6.6
40°-50°	215.0	14.6
50°-60°	364.3	24.7
60°-70°	486.2	33.0
70°-80°	214.1	14.5
80°-90°	24.7	1.7
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°	1473.1	100.0
0°-180°	1473.1	100.0



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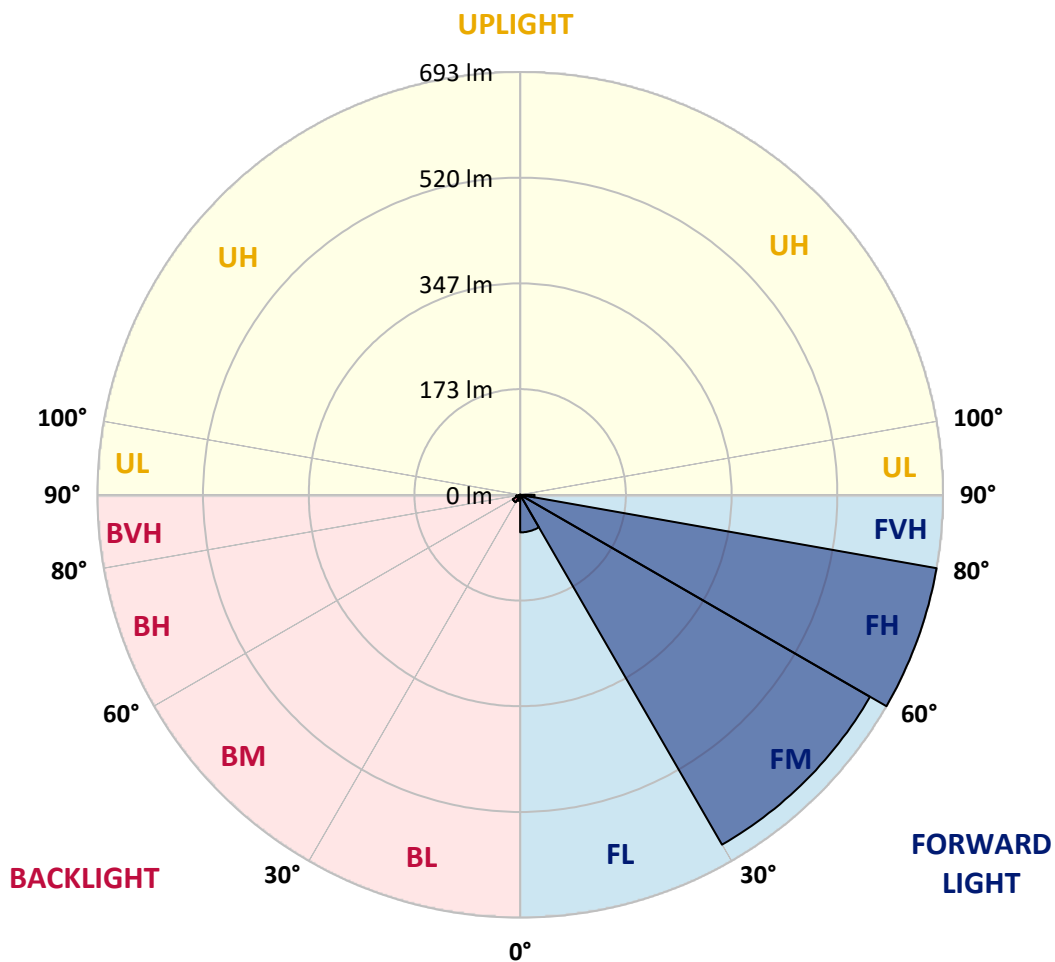
CATALOG NUMBER: ICM-E01-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.5	4.2			
FM	(30°-60°)	662.5	45.0			
FH	(60°-80°)	693.5	47.1			G1/1800
FVH	(80°-90°)	23.7	1.6			G1/100
BL	(0°-30°)	10.1	0.7	B0/110		
BM	(30°-60°)	14.0	1.0	B0/220		
BH	(60°-80°)	6.8	0.5	B0/110		G0/110
BVH	(80°-90°)	1.0	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
2.5°	56.1	55.8	54.7	54.7	52.9	51.8	50.4	49.0	49.0	48.7	48.5
5°	74.2	72.5	72.2	69.1	66.5	62.9	59.4	55.0	54.4	53.8	53.5
7.5°	94.3	94.0	91.4	87.8	82.7	75.9	69.1	61.8	60.7	60.0	58.9
10°	120.4	119.0	115.5	109.3	101.7	92.7	81.6	70.0	68.6	67.4	66.9
12.5°	145.3	142.7	140.7	132.8	123.2	109.9	96.6	79.9	78.7	77.3	75.1
15°	168.5	166.2	162.9	156.1	145.3	128.6	113.0	92.7	89.8	87.8	86.1
17.5°	186.6	185.2	181.2	173.6	162.0	147.3	128.6	105.7	103.3	100.8	97.7
20°	203.9	202.0	195.7	185.2	172.7	161.4	147.0	122.6	119.5	116.4	113.0
22.5°	220.4	218.3	208.2	190.9	177.6	172.7	167.6	141.9	137.1	134.5	131.2
25°	243.3	239.1	223.2	195.7	177.9	181.6	190.3	166.8	162.2	158.6	153.2
27.5°	274.1	268.5	243.5	202.8	179.0	191.2	216.4	197.1	192.3	188.1	182.1
30°	309.0	305.3	275.5	219.8	187.2	205.3	245.6	235.6	230.0	224.8	217.8
32.5°	344.1	339.0	309.6	252.1	209.3	232.8	282.0	280.4	273.0	268.2	260.6
35°	375.0	372.5	350.6	305.0	259.7	280.9	330.8	332.7	326.2	321.1	312.7
37.5°	395.9	395.9	391.7	362.0	339.8	355.7	402.4	402.7	396.2	384.6	380.4
40°	406.7	409.8	425.1	430.8	429.7	450.0	496.5	491.4	486.0	480.0	465.9
42.5°	428.7	431.6	464.2	503.3	528.7	555.6	587.6	586.0	579.4	568.7	555.6
45°	466.1	469.9	508.7	570.7	623.1	661.3	681.7	673.8	667.3	657.0	650.2
47.5°	513.8	520.8	564.7	641.5	704.7	767.8	789.0	768.1	762.4	754.5	743.4
50°	564.5	571.3	618.0	705.8	777.1	852.5	887.9	852.5	844.3	841.7	829.2
52.5°	608.4	614.0	659.1	755.4	832.7	921.0	972.6	925.8	919.9	911.4	902.3
55°	634.4	638.9	681.1	779.1	870.3	982.7	1054.4	1013.3	1004.6	1001.1	988.1
57.5°	643.2	647.7	685.7	782.2	890.7	1039.1	1153.8	1155.3	1144.8	1132.6	1128.6
60°	643.2	648.3	680.3	774.6	910.5	1099.2	1286.3	1404.5	1381.8	1379.5	1365.0
62.5°	616.6	621.4	653.7	751.1	937.1	1180.1	1471.0	1679.5	1672.9	1658.2	1634.4
65°	558.8	561.6	593.3	691.1	927.0	1254.6	1631.0	1862.4	1851.9	1823.0	1792.5
66°	532.7	535.0	564.7	656.7	893.5	1264.8	1659.4	1885.3	1868.1	1843.7	1809.1
67.5°	495.1	499.0	520.0	593.0	813.4	1229.4	1641.5	1869.2	1854.2	1824.8	1790.2
70°	330.5	327.6	401.6	455.2	619.6	1001.7	1472.7	1678.3	1678.6	1664.8	1650.8
72.5°	156.9	158.6	180.1	280.1	405.6	669.2	1172.2	1339.5	1358.9	1334.0	1316.7
75°	112.7	115.3	128.3	171.3	241.9	401.6	759.8	936.8	937.4	893.2	853.9
77.5°	32.8	34.2	48.2	105.7	181.2	271.1	436.5	520.8	508.7	476.9	447.2
80°	13.6	13.6	14.1	33.7	72.7	184.1	305.3	401.0	399.6	387.4	369.9
82.5°	5.1	5.4	6.8	13.9	17.3	45.3	203.6	348.1	347.3	330.0	317.5
85°	0.6	0.6	1.7	6.0	6.5	8.5	40.7	153.5	152.7	153.5	134.5
87.5°	0.0	0.0	0.3	0.6	0.8	1.1	1.7	6.0	6.5	6.2	5.7
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
2.5°	48.5	47.9	47.9	47.5	47.5	47.5	47.3	47.0	47.0	46.7	46.4
5°	52.9	52.4	52.1	51.5	51.3	51.0	50.4	50.1	49.6	49.3	49.0
7.5°	58.3	57.2	56.9	56.1	55.3	54.7	54.0	53.2	52.7	51.5	51.3
10°	65.1	63.7	62.6	61.5	60.7	59.2	58.3	57.2	56.1	55.3	54.4
12.5°	74.0	71.9	70.2	69.1	67.2	65.4	63.7	62.9	60.7	59.4	58.0
15°	83.5	81.3	79.3	77.0	75.6	72.7	70.5	68.0	66.9	64.8	62.6
17.5°	96.0	92.4	89.2	87.0	84.1	81.3	78.7	76.2	72.7	70.5	67.7
20°	109.3	106.2	102.0	98.0	94.6	91.2	87.5	84.1	81.0	77.3	74.0
22.5°	126.3	121.8	116.7	112.7	108.2	104.5	99.4	94.9	89.8	84.9	81.0
25°	147.8	141.9	137.1	131.4	126.0	120.4	114.1	108.5	102.0	97.4	90.6
27.5°	174.4	168.8	162.2	154.9	149.5	141.0	132.8	125.8	118.1	111.0	103.3
30°	208.5	200.2	193.4	186.3	175.6	167.3	157.8	148.1	137.7	130.6	119.0
32.5°	249.2	240.5	230.2	220.1	210.1	198.5	186.6	174.7	163.2	150.1	138.2
35°	299.1	288.6	277.0	266.0	250.6	238.1	223.2	206.7	193.7	178.7	163.7
37.5°	365.0	347.8	337.6	326.0	305.3	288.3	271.6	255.2	232.2	216.4	195.2
40°	447.7	437.6	420.8	402.1	383.4	361.1	338.4	316.7	290.0	267.9	243.3
42.5°	544.9	529.9	512.9	486.0	467.0	440.7	414.9	386.0	353.5	325.1	296.3
45°	636.1	618.2	605.2	578.3	558.5	527.4	496.2	465.6	427.9	391.4	358.0
47.5°	734.6	719.9	698.4	676.6	656.5	621.4	587.6	550.6	510.9	467.5	424.3
50°	821.3	809.7	795.0	768.7	746.2	716.8	677.1	636.7	586.5	543.4	494.2
52.5°	895.0	885.9	865.2	846.5	826.4	798.6	763.3	724.5	670.3	623.1	567.0
55°	981.9	975.4	957.2	945.7	927.8	901.2	868.0	832.1	774.9	723.4	659.9
57.5°	1124.4	1119.3	1103.4	1098.6	1081.0	1057.8	1017.0	978.5	911.6	847.6	775.2
60°	1360.3	1350.1	1326.8	1315.0	1277.9	1246.7	1193.8	1140.8	1060.1	978.5	891.3
62.5°	1612.8	1584.3	1540.1	1502.1	1449.5	1395.4	1324.6	1243.5	1149.0	1052.1	951.9
65°	1749.1	1700.4	1644.6	1584.3	1516.0	1436.5	1347.3	1250.1	1148.4	1046.1	940.3
66°	1764.7	1709.8	1650.5	1583.5	1507.5	1422.9	1332.2	1230.2	1124.7	1024.9	919.0
67.5°	1745.1	1687.6	1625.0	1550.6	1468.5	1380.7	1285.5	1179.5	1077.9	976.8	873.7
70°	1608.4	1551.2	1495.4	1416.9	1329.4	1241.0	1151.0	1032.6	936.3	843.4	751.6
72.5°	1284.4	1245.6	1190.3	1123.2	1038.0	934.3	859.3	753.3	669.8	579.7	508.7
75°	802.6	748.0	679.7	594.1	529.0	444.9	401.0	320.6	273.0	231.4	191.2
77.5°	410.3	369.3	321.5	273.3	227.2	181.2	140.2	99.2	66.9	46.4	34.5
80°	339.0	302.8	263.1	219.2	178.4	138.5	99.7	68.0	43.3	28.3	22.0
82.5°	280.1	249.5	214.1	173.3	138.0	108.7	75.6	49.3	30.6	19.8	15.5
85°	119.3	108.2	83.5	66.2	49.9	36.8	25.8	17.3	12.2	10.0	9.0
87.5°	5.1	5.7	5.4	4.3	3.1	3.1	2.8	2.2	2.2	2.2	2.2
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
2.5°	46.4	46.1	45.9	45.9	45.6	45.3	43.6	42.2	40.5	39.3	38.2
5°	48.5	48.2	47.5	47.3	46.7	46.4	42.8	39.6	37.1	35.2	33.7
7.5°	50.4	50.1	49.3	48.5	48.2	47.5	41.7	37.7	34.2	32.0	30.6
10°	52.9	52.1	51.3	50.1	49.3	48.5	40.5	35.4	31.7	29.8	28.3
12.5°	56.7	55.3	53.8	52.4	51.3	49.9	39.9	33.4	29.8	27.4	26.0
15°	60.9	58.9	57.2	55.5	53.5	52.1	38.8	31.7	28.0	25.8	24.1
17.5°	64.8	62.6	60.0	57.5	55.5	53.5	37.7	30.0	26.3	24.1	22.4
20°	70.5	67.2	64.0	60.9	58.0	55.5	36.0	28.3	24.9	22.4	20.7
22.5°	76.7	72.7	68.8	64.6	60.9	57.5	34.5	26.9	23.5	20.9	19.0
25°	84.7	79.9	74.5	69.1	64.8	60.3	33.1	25.5	22.0	19.5	17.6
27.5°	95.7	88.9	83.0	76.2	69.7	64.6	32.0	24.4	20.7	18.1	16.2
30°	110.7	100.8	91.4	84.1	76.5	69.1	30.9	23.0	19.5	16.7	14.4
32.5°	127.4	115.8	105.1	94.0	84.4	75.9	29.8	21.8	18.1	15.3	13.3
35°	148.1	133.4	119.0	106.2	94.6	83.3	28.6	20.7	17.0	13.9	11.9
37.5°	177.9	159.4	140.5	124.0	109.0	94.0	27.7	19.5	15.5	12.5	10.5
40°	218.6	194.9	171.6	149.2	129.7	111.0	26.6	18.4	14.4	11.3	9.3
42.5°	262.8	234.0	203.4	178.1	151.3	127.7	25.5	17.3	13.3	10.2	8.2
45°	317.8	281.8	244.7	210.4	177.6	147.3	24.4	16.2	11.9	9.0	7.1
47.5°	377.8	331.9	290.0	247.0	207.9	171.6	23.0	15.3	10.8	7.9	6.2
50°	439.5	391.1	338.1	289.1	242.7	196.0	21.5	13.9	9.7	7.1	5.1
52.5°	506.1	448.9	394.8	333.9	279.8	228.0	20.1	12.7	8.7	6.2	4.3
55°	590.8	526.8	463.4	395.1	330.0	265.1	18.7	11.3	7.6	5.4	3.4
57.5°	697.3	621.4	543.4	466.4	387.4	313.8	17.6	10.0	6.5	4.6	2.8
60°	797.8	709.1	614.9	526.2	437.0	351.2	15.8	8.7	5.7	3.7	2.8
62.5°	850.0	748.8	647.2	549.4	454.2	364.5	14.1	7.3	4.8	3.1	2.5
65°	837.2	734.1	635.5	536.9	443.8	356.0	12.5	6.5	4.3	2.8	2.5
66°	818.8	716.8	617.7	523.9	435.0	347.0	11.6	6.2	4.0	2.8	2.2
67.5°	778.5	680.0	585.4	498.1	411.0	329.7	10.5	5.7	3.7	2.5	2.2
70°	664.9	575.4	499.9	422.2	351.2	277.9	8.5	4.8	3.1	2.2	2.2
72.5°	440.1	379.3	328.8	282.9	236.5	183.5	7.1	4.0	2.5	2.2	2.0
75°	166.0	150.1	128.8	115.8	101.1	88.7	5.7	2.5	2.0	2.0	2.0
77.5°	29.5	27.2	24.1	22.0	20.4	18.7	4.6	1.7	1.7	2.0	2.0
80°	19.8	18.4	16.7	15.3	14.1	12.7	3.1	1.4	1.7	1.7	2.0
82.5°	14.1	13.3	12.5	11.3	10.5	9.3	2.0	1.4	1.7	1.7	1.7
85°	8.5	7.9	7.3	6.8	6.0	5.7	1.4	1.4	1.4	1.7	1.7
87.5°	2.2	2.0	2.2	2.2	1.7	2.0	1.1	1.1	1.1	1.4	1.4
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):

	145°	155°	165°	175°	180°
0°	44.5	44.5	44.5	44.5	44.5
2.5°	37.7	37.7	37.1	38.0	38.0
5°	32.6	32.6	32.3	32.6	32.6
7.5°	29.8	29.5	29.5	29.5	29.8
10°	27.2	26.9	26.9	26.9	26.9
12.5°	24.9	24.7	24.4	24.7	24.7
15°	23.0	22.4	22.4	22.4	22.4
17.5°	21.2	20.7	20.4	20.4	20.4
20°	19.5	18.7	18.7	18.7	18.7
22.5°	17.9	17.0	17.0	17.0	17.0
25°	16.2	15.3	15.3	15.3	15.3
27.5°	14.7	13.9	13.9	13.9	13.9
30°	13.0	12.5	12.5	12.7	12.5
32.5°	11.9	11.1	11.1	11.3	11.3
35°	10.5	10.0	10.0	10.0	10.0
37.5°	9.0	8.5	8.5	8.5	8.5
40°	7.9	7.3	7.1	7.3	7.3
42.5°	6.8	6.2	6.0	6.0	6.0
45°	6.0	5.1	4.8	5.1	5.1
47.5°	4.8	4.3	4.3	4.6	4.6
50°	3.7	3.7	4.0	4.6	4.6
52.5°	3.4	3.4	4.0	4.6	4.6
55°	3.1	3.4	4.0	4.3	4.6
57.5°	2.8	3.4	4.0	4.3	4.3
60°	2.8	3.1	3.7	4.3	4.3
62.5°	2.5	2.8	3.4	4.0	4.0
65°	2.5	2.8	3.4	4.0	4.0
66°	2.5	2.8	3.4	4.0	4.0
67.5°	2.5	2.8	3.4	4.0	4.0
70°	2.5	2.8	3.4	3.7	3.7
72.5°	2.2	2.5	3.1	3.7	3.7
75°	2.2	2.5	3.1	3.7	3.7
77.5°	2.2	2.5	3.1	3.7	3.7
80°	2.2	2.5	3.1	3.4	3.7
82.5°	2.0	2.5	2.8	3.4	3.4
85°	2.0	2.2	2.8	3.1	3.4
87.5°	1.7	2.0	2.2	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)