

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: P180622

Luminaire Tested: **ICS-F01-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180622
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: ICS-F01-LED-E1-SL3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1176.6 lumens
Efficiency: N/A
Efficacy: 45.4 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): 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



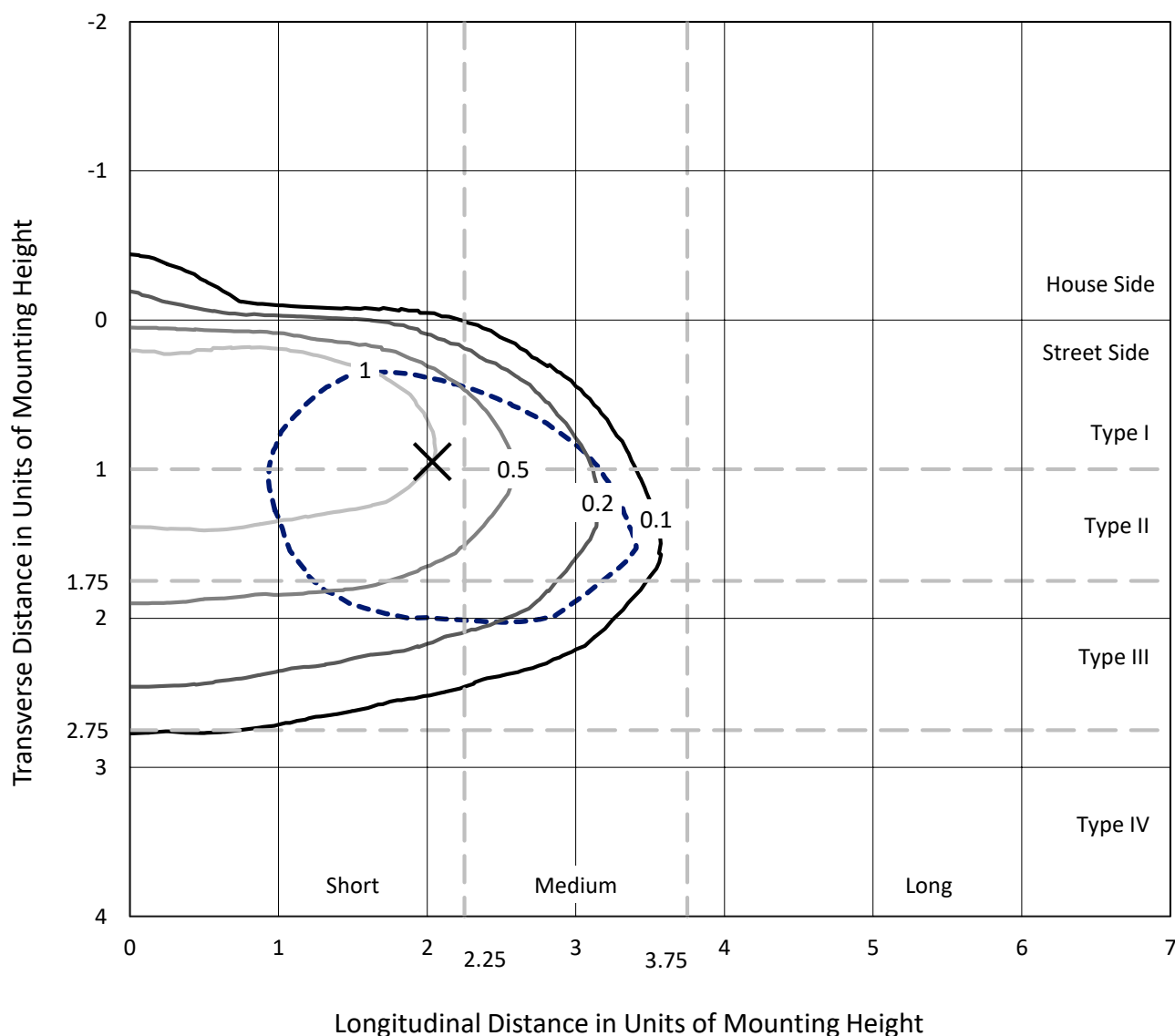
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

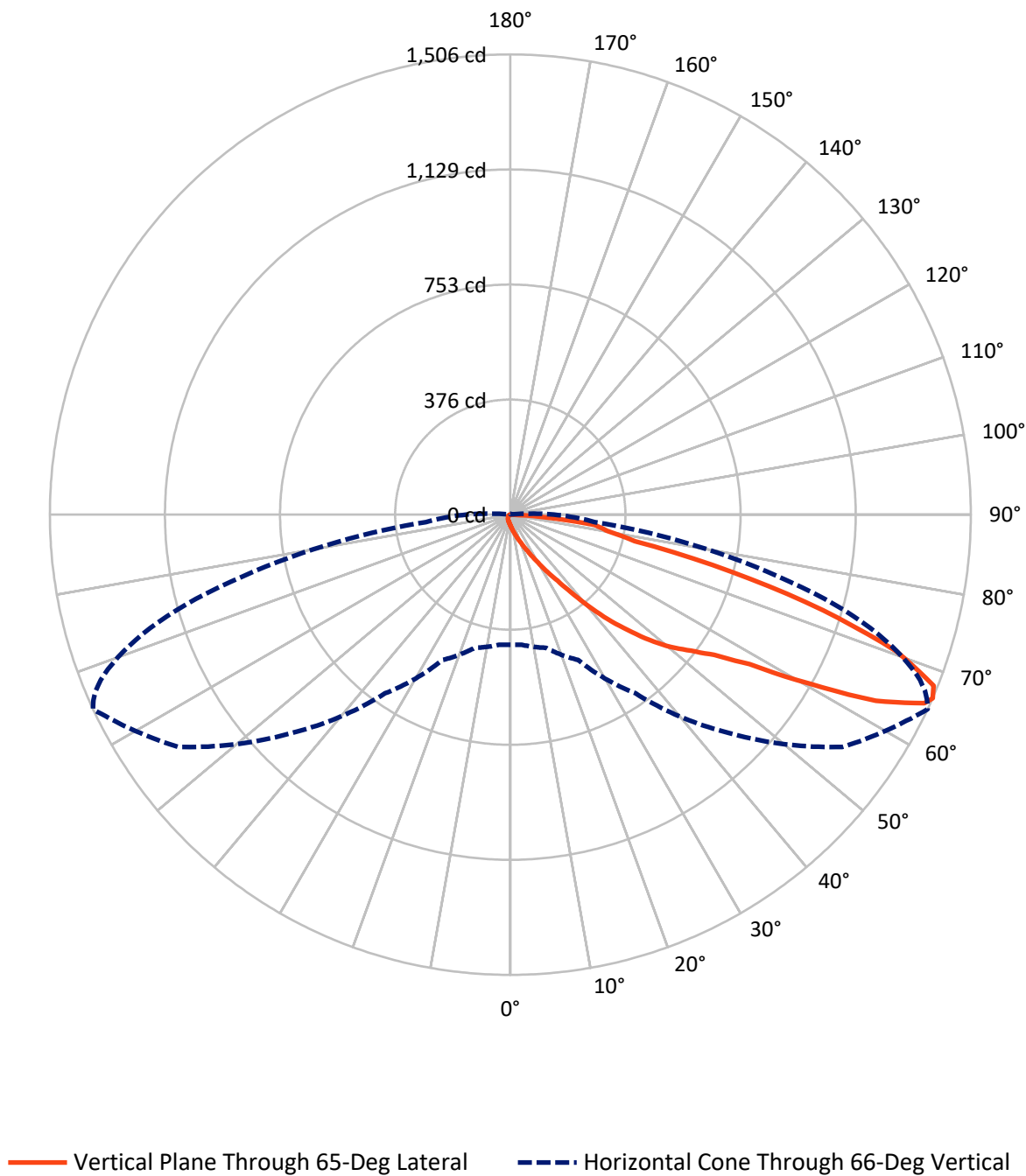


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.5	0.0	25.5
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1151.1	0.0	1151.1
	% Fixture	97.8	0.0	97.8
Total	Lumens	1176.6	0.0	1176.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.3
10°-20°	16.9	1.4
20°-30°	36.4	3.1
30°-40°	77.6	6.6
40°-50°	171.7	14.6
50°-60°	291.0	24.7
60°-70°	388.3	33.0
70°-80°	171.1	14.5
80°-90°	19.7	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°	1176.6	100.0
0°-180°	1176.6	100.0

Coefficient of Utilization



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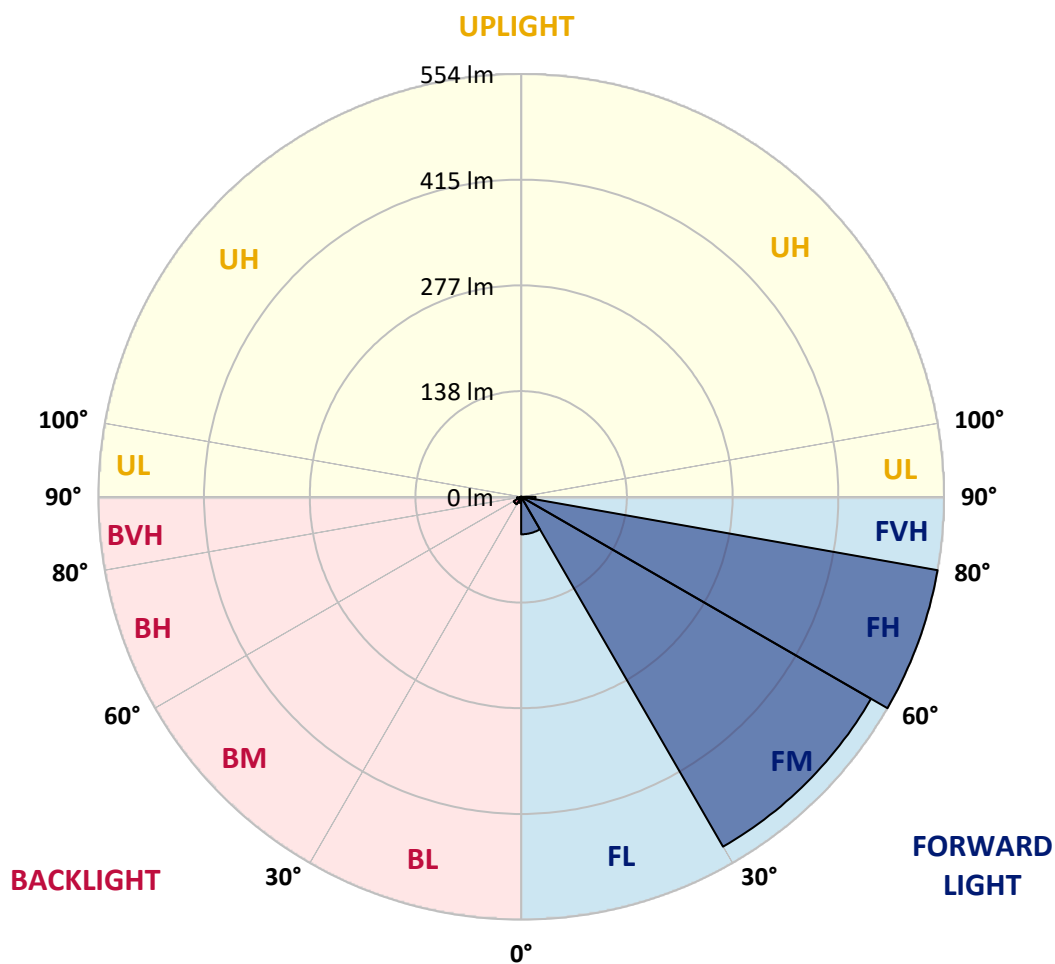
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.1	4.2			
FM	(30°-60°)	529.2	45.0			
FH	(60°-80°)	553.9	47.1			G0/660
FVH	(80°-90°)	18.9	1.6			G1/100
BL	(0°-30°)	8.0	0.7	B0/110		
BM	(30°-60°)	11.2	1.0	B0/220		
BH	(60°-80°)	5.5	0.5	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2.5°	44.8	44.6	43.7	43.7	42.3	41.4	40.3	39.1	39.1	38.9	38.7
5°	59.3	57.9	57.7	55.2	53.2	50.2	47.5	43.9	43.4	43.0	42.8
7.5°	75.3	75.1	73.1	70.1	66.1	60.6	55.2	49.3	48.4	48.0	47.1
10°	96.1	95.0	92.3	87.3	81.2	74.0	65.1	55.9	54.7	53.8	53.4
12.5°	116.0	114.0	112.4	106.1	98.4	87.8	77.1	63.8	62.9	61.8	59.9
15°	134.6	132.8	130.1	124.6	116.0	102.7	90.3	74.0	71.7	70.1	68.8
17.5°	149.1	147.9	144.8	138.7	129.4	117.6	102.7	84.4	82.6	80.5	78.0
20°	162.9	161.3	156.3	147.9	138.0	128.9	117.4	97.9	95.5	93.0	90.3
22.5°	176.0	174.4	166.3	152.5	141.8	138.0	133.9	113.3	109.5	107.4	104.7
25°	194.3	190.9	178.3	156.3	142.1	145.0	152.0	133.2	129.6	126.7	122.4
27.5°	219.0	214.4	194.5	162.0	143.0	152.7	172.8	157.4	153.6	150.2	145.5
30°	246.8	243.9	220.1	175.5	149.5	164.0	196.1	188.2	183.7	179.6	174.0
32.5°	274.8	270.8	247.2	201.3	167.2	185.9	225.3	223.9	218.1	214.2	208.1
35°	299.5	297.5	280.0	243.6	207.4	224.4	264.2	265.8	260.6	256.5	249.7
37.5°	316.2	316.2	312.8	289.1	271.5	284.1	321.4	321.7	316.5	307.2	303.8
40°	324.8	327.3	339.5	344.1	343.2	359.4	396.5	392.5	388.2	383.4	372.1
42.5°	342.5	344.7	370.8	402.0	422.3	443.8	469.4	468.0	462.8	454.2	443.8
45°	372.3	375.3	406.3	455.8	497.7	528.2	544.5	538.2	533.0	524.8	519.4
47.5°	410.3	416.0	451.1	512.4	562.8	613.3	630.2	613.5	609.0	602.6	593.8
50°	450.8	456.3	493.6	563.7	620.7	680.9	709.2	680.9	674.3	672.3	662.3
52.5°	485.9	490.4	526.4	603.3	665.1	735.6	776.8	739.5	734.7	727.9	720.7
55°	506.7	510.3	544.0	622.3	695.1	784.9	842.2	809.4	802.4	799.7	789.2
57.5°	513.7	517.3	547.7	624.8	711.4	830.0	921.6	922.7	914.3	904.6	901.4
60°	513.7	517.8	543.4	618.7	727.3	877.9	1027.4	1121.8	1103.7	1101.9	1090.3
62.5°	492.5	496.3	522.1	599.9	748.5	942.6	1174.9	1341.4	1336.2	1324.5	1305.5
65°	446.3	448.6	473.9	552.0	740.4	1002.1	1302.7	1487.6	1479.2	1456.1	1431.7
66°	425.5	427.3	451.1	524.6	713.7	1010.3	1325.4	1505.9	1492.1	1472.6	1445.0
67.5°	395.4	398.6	415.3	473.7	649.7	982.0	1311.1	1493.0	1481.0	1457.5	1429.9
70°	264.0	261.7	320.8	363.5	494.9	800.1	1176.3	1340.5	1340.7	1329.7	1318.6
72.5°	125.3	126.7	143.9	223.7	323.9	534.5	936.3	1070.0	1085.4	1065.5	1051.7
75°	90.0	92.1	102.5	136.9	193.2	320.8	606.9	748.3	748.8	713.5	682.0
77.5°	26.2	27.4	38.5	84.4	144.8	216.5	348.6	416.0	406.3	380.9	357.2
80°	10.9	10.9	11.3	26.9	58.1	147.0	243.9	320.3	319.2	309.5	295.4
82.5°	4.1	4.3	5.4	11.1	13.8	36.2	162.6	278.0	277.3	263.5	253.6
85°	0.5	0.5	1.4	4.8	5.2	6.8	32.6	122.6	121.9	122.6	107.4
87.5°	0.0	0.0	0.2	0.5	0.7	0.9	1.4	4.8	5.2	5.0	4.5
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2.5°	38.7	38.2	38.2	38.0	38.0	38.0	37.8	37.6	37.6	37.3	37.1
5°	42.3	41.8	41.6	41.2	40.9	40.7	40.3	40.0	39.6	39.4	39.1
7.5°	46.6	45.7	45.5	44.8	44.1	43.7	43.2	42.5	42.1	41.2	40.9
10°	52.0	50.9	50.0	49.1	48.4	47.3	46.6	45.7	44.8	44.1	43.4
12.5°	59.0	57.5	56.1	55.2	53.6	52.3	50.9	50.2	48.4	47.5	46.4
15°	66.7	64.9	63.3	61.5	60.4	58.1	56.3	54.3	53.4	51.8	50.0
17.5°	76.7	73.7	71.3	69.4	67.2	64.9	62.9	60.9	58.1	56.3	54.1
20°	87.3	84.8	81.4	78.3	75.6	72.8	69.9	67.2	64.7	61.8	59.0
22.5°	100.9	97.3	93.2	90.0	86.4	83.5	79.4	75.8	71.7	67.9	64.7
25°	118.1	113.3	109.5	105.0	100.7	96.1	91.2	86.6	81.4	77.8	72.4
27.5°	139.3	134.8	129.6	123.7	119.4	112.7	106.1	100.4	94.3	88.7	82.6
30°	166.5	159.9	154.5	148.8	140.3	133.7	126.0	118.3	109.9	104.3	95.0
32.5°	199.1	192.1	183.9	175.8	167.8	158.6	149.1	139.6	130.3	119.9	110.4
35°	238.9	230.5	221.2	212.4	200.2	190.2	178.3	165.1	154.7	142.7	130.7
37.5°	291.6	277.8	269.6	260.4	243.9	230.3	216.9	203.8	185.5	172.8	155.9
40°	357.6	349.5	336.1	321.2	306.3	288.4	270.3	252.9	231.6	214.0	194.3
42.5°	435.2	423.2	409.7	388.2	373.0	352.0	331.4	308.3	282.3	259.7	236.6
45°	508.1	493.8	483.4	461.9	446.1	421.2	396.3	371.9	341.8	312.6	285.9
47.5°	586.8	575.0	557.8	540.4	524.4	496.3	469.4	439.8	408.1	373.5	338.9
50°	656.0	646.7	635.0	613.9	596.1	572.5	540.9	508.5	468.5	434.1	394.7
52.5°	714.8	707.6	691.1	676.1	660.1	637.9	609.6	578.6	535.4	497.7	452.9
55°	784.3	779.1	764.6	755.3	741.1	719.8	693.3	664.6	618.9	577.7	527.1
57.5°	898.1	894.0	881.3	877.5	863.4	844.9	812.3	781.6	728.2	677.0	619.1
60°	1086.5	1078.3	1059.8	1050.3	1020.7	995.8	953.5	911.2	846.7	781.6	711.9
62.5°	1288.3	1265.4	1230.1	1199.8	1157.7	1114.5	1058.0	993.3	917.7	840.4	760.3
65°	1397.1	1358.2	1313.6	1265.4	1210.9	1147.3	1076.1	998.5	917.3	835.6	751.0
66°	1409.5	1365.6	1318.4	1264.7	1204.1	1136.5	1064.1	982.7	898.3	818.7	734.1
67.5°	1393.9	1348.0	1298.0	1238.5	1172.9	1102.8	1026.8	942.2	861.0	780.2	697.9
70°	1284.6	1239.0	1194.4	1131.7	1061.8	991.3	919.3	824.8	747.9	673.7	600.4
72.5°	1025.9	994.9	950.8	897.2	829.1	746.3	686.3	601.7	535.0	463.1	406.3
75°	641.1	597.4	542.9	474.6	422.6	355.4	320.3	256.1	218.1	184.8	152.7
77.5°	327.8	295.0	256.7	218.3	181.4	144.8	112.0	79.2	53.4	37.1	27.6
80°	270.8	241.8	210.1	175.1	142.5	110.6	79.6	54.3	34.6	22.6	17.6
82.5°	223.7	199.3	171.0	138.4	110.2	86.9	60.4	39.4	24.4	15.8	12.4
85°	95.2	86.4	66.7	52.9	39.8	29.4	20.6	13.8	9.7	7.9	7.2
87.5°	4.1	4.5	4.3	3.4	2.5	2.5	2.3	1.8	1.8	1.8	1.8
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°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2.5°	37.1	36.9	36.6	36.6	36.4	36.2	34.8	33.7	32.3	31.4	30.5
5°	38.7	38.5	38.0	37.8	37.3	37.1	34.2	31.7	29.6	28.1	26.9
7.5°	40.3	40.0	39.4	38.7	38.5	38.0	33.3	30.1	27.4	25.6	24.4
10°	42.3	41.6	40.9	40.0	39.4	38.7	32.3	28.3	25.3	23.8	22.6
12.5°	45.2	44.1	43.0	41.8	40.9	39.8	31.9	26.7	23.8	21.9	20.8
15°	48.6	47.1	45.7	44.3	42.8	41.6	31.0	25.3	22.4	20.6	19.2
17.5°	51.8	50.0	48.0	45.9	44.3	42.8	30.1	24.0	21.0	19.2	17.9
20°	56.3	53.6	51.1	48.6	46.4	44.3	28.7	22.6	19.9	17.9	16.5
22.5°	61.3	58.1	55.0	51.6	48.6	45.9	27.6	21.5	18.8	16.7	15.2
25°	67.6	63.8	59.5	55.2	51.8	48.2	26.5	20.4	17.6	15.6	14.0
27.5°	76.5	71.0	66.3	60.9	55.6	51.6	25.6	19.5	16.5	14.5	12.9
30°	88.4	80.5	73.1	67.2	61.1	55.2	24.7	18.3	15.6	13.3	11.5
32.5°	101.8	92.5	83.9	75.1	67.4	60.6	23.8	17.4	14.5	12.2	10.6
35°	118.3	106.5	95.0	84.8	75.6	66.5	22.8	16.5	13.6	11.1	9.5
37.5°	142.1	127.4	112.2	99.1	87.1	75.1	22.2	15.6	12.4	10.0	8.4
40°	174.6	155.6	137.1	119.2	103.6	88.7	21.3	14.7	11.5	9.0	7.5
42.5°	209.9	186.8	162.4	142.3	120.8	102.0	20.4	13.8	10.6	8.1	6.6
45°	253.8	225.1	195.4	168.1	141.8	117.6	19.5	12.9	9.5	7.2	5.7
47.5°	301.8	265.1	231.6	197.3	166.0	137.1	18.3	12.2	8.6	6.3	5.0
50°	351.1	312.4	270.1	231.0	193.9	156.5	17.2	11.1	7.7	5.7	4.1
52.5°	404.2	358.5	315.3	266.7	223.5	182.1	16.1	10.2	7.0	5.0	3.4
55°	471.9	420.8	370.1	315.6	263.5	211.7	14.9	9.0	6.1	4.3	2.7
57.5°	556.9	496.3	434.1	372.6	309.5	250.6	14.0	7.9	5.2	3.6	2.3
60°	637.2	566.4	491.1	420.3	349.0	280.5	12.7	7.0	4.5	2.9	2.3
62.5°	678.9	598.1	516.9	438.8	362.8	291.1	11.3	5.9	3.8	2.5	2.0
65°	668.7	586.3	507.6	428.9	354.5	284.3	10.0	5.2	3.4	2.3	2.0
66°	654.0	572.5	493.4	418.5	347.5	277.1	9.3	5.0	3.2	2.3	1.8
67.5°	621.9	543.1	467.6	397.9	328.2	263.3	8.4	4.5	2.9	2.0	1.8
70°	531.1	459.7	399.3	337.3	280.5	221.9	6.8	3.8	2.5	1.8	1.8
72.5°	351.5	302.9	262.6	226.0	188.9	146.6	5.7	3.2	2.0	1.8	1.6
75°	132.6	119.9	102.9	92.5	80.8	70.8	4.5	2.0	1.6	1.6	1.6
77.5°	23.5	21.7	19.2	17.6	16.3	14.9	3.6	1.4	1.4	1.6	1.6
80°	15.8	14.7	13.3	12.2	11.3	10.2	2.5	1.1	1.4	1.4	1.6
82.5°	11.3	10.6	10.0	9.0	8.4	7.5	1.6	1.1	1.4	1.4	1.4
85°	6.8	6.3	5.9	5.4	4.8	4.5	1.1	1.1	1.1	1.4	1.4
87.5°	1.8	1.6	1.8	1.8	1.4	1.6	0.9	0.9	0.9	1.1	1.1
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):

	145°	155°	165°	175°	180°
0°	35.5	35.5	35.5	35.5	35.5
2.5°	30.1	30.1	29.6	30.3	30.3
5°	26.0	26.0	25.8	26.0	26.0
7.5°	23.8	23.5	23.5	23.5	23.8
10°	21.7	21.5	21.5	21.5	21.5
12.5°	19.9	19.7	19.5	19.7	19.7
15°	18.3	17.9	17.9	17.9	17.9
17.5°	17.0	16.5	16.3	16.3	16.3
20°	15.6	14.9	14.9	14.9	14.9
22.5°	14.3	13.6	13.6	13.6	13.6
25°	12.9	12.2	12.2	12.2	12.2
27.5°	11.8	11.1	11.1	11.1	11.1
30°	10.4	10.0	10.0	10.2	10.0
32.5°	9.5	8.8	8.8	9.0	9.0
35°	8.4	7.9	7.9	7.9	7.9
37.5°	7.2	6.8	6.8	6.8	6.8
40°	6.3	5.9	5.7	5.9	5.9
42.5°	5.4	5.0	4.8	4.8	4.8
45°	4.8	4.1	3.8	4.1	4.1
47.5°	3.8	3.4	3.4	3.6	3.6
50°	2.9	2.9	3.2	3.6	3.6
52.5°	2.7	2.7	3.2	3.6	3.6
55°	2.5	2.7	3.2	3.4	3.6
57.5°	2.3	2.7	3.2	3.4	3.4
60°	2.3	2.5	2.9	3.4	3.4
62.5°	2.0	2.3	2.7	3.2	3.2
65°	2.0	2.3	2.7	3.2	3.2
66°	2.0	2.3	2.7	3.2	3.2
67.5°	2.0	2.3	2.7	3.2	3.2
70°	2.0	2.3	2.7	2.9	2.9
72.5°	1.8	2.0	2.5	2.9	2.9
75°	1.8	2.0	2.5	2.9	2.9
77.5°	1.8	2.0	2.5	2.9	2.9
80°	1.8	2.0	2.5	2.7	2.9
82.5°	1.6	2.0	2.3	2.7	2.7
85°	1.6	1.8	2.3	2.5	2.7
87.5°	1.4	1.6	1.8	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)