

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: P180921

Luminaire Tested: **ICS-F01-LED-E1-SL4-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180921
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
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-SL4-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1852.5 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

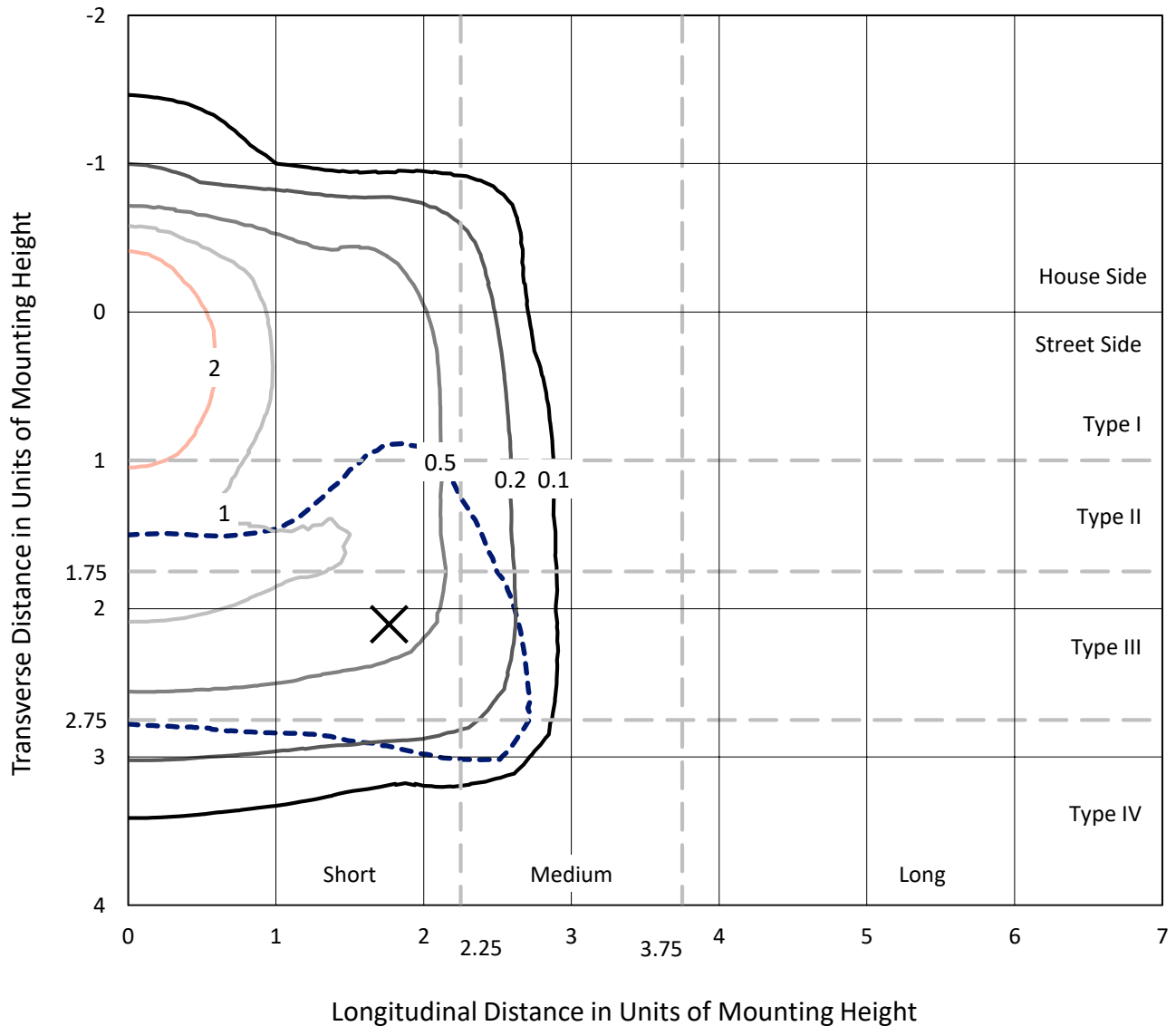
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

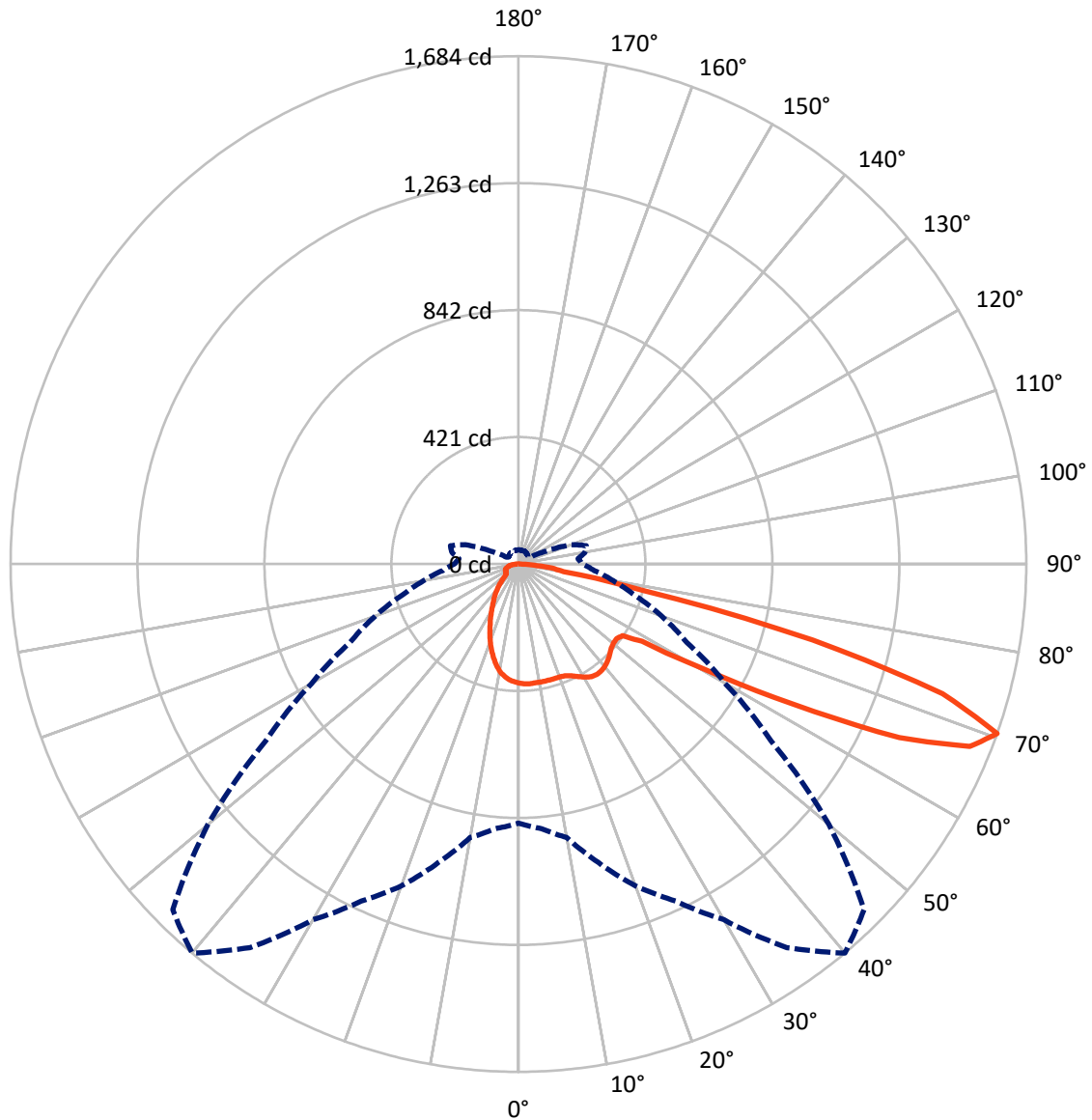


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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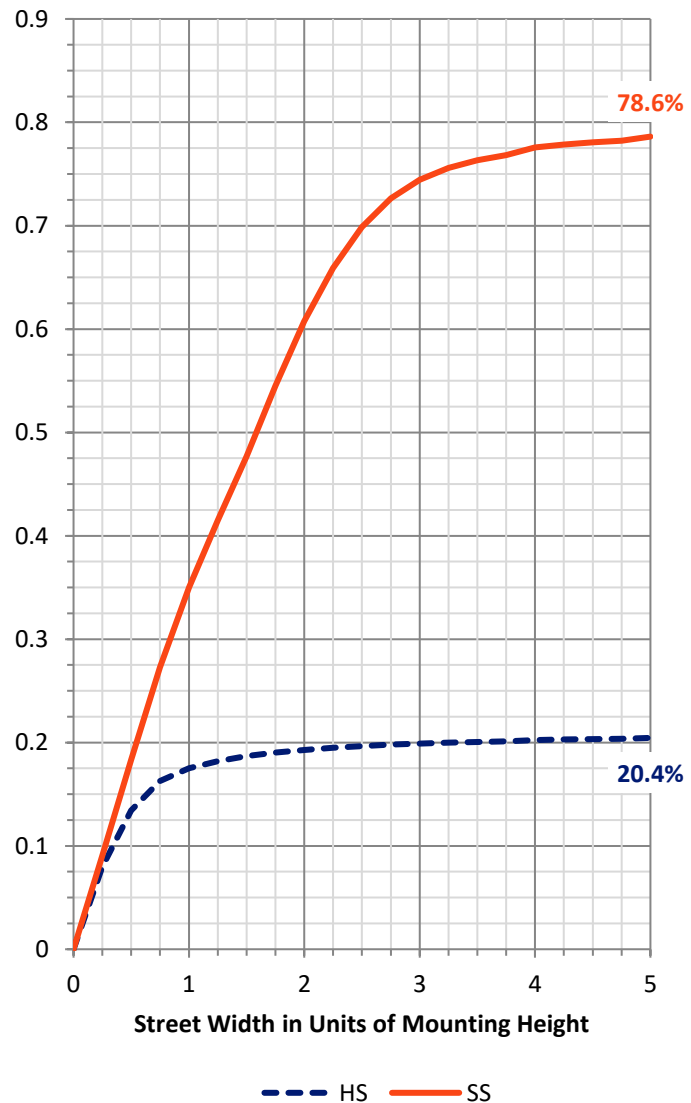
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	384.6	0.0	384.6
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	1468.0	0.0	1468.0
	% Fixture	79.2	0.0	79.2
Total	Lumens	1852.5	0.0	1852.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	2.0
10°-20°	101.1	5.5
20°-30°	149.7	8.1
30°-40°	189.1	10.2
40°-50°	213.9	11.5
50°-60°	304.4	16.4
60°-70°	566.8	30.6
70°-80°	259.8	14.0
80°-90°	30.8	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°	1852.5	100.0
0°-180°	1852.5	100.0



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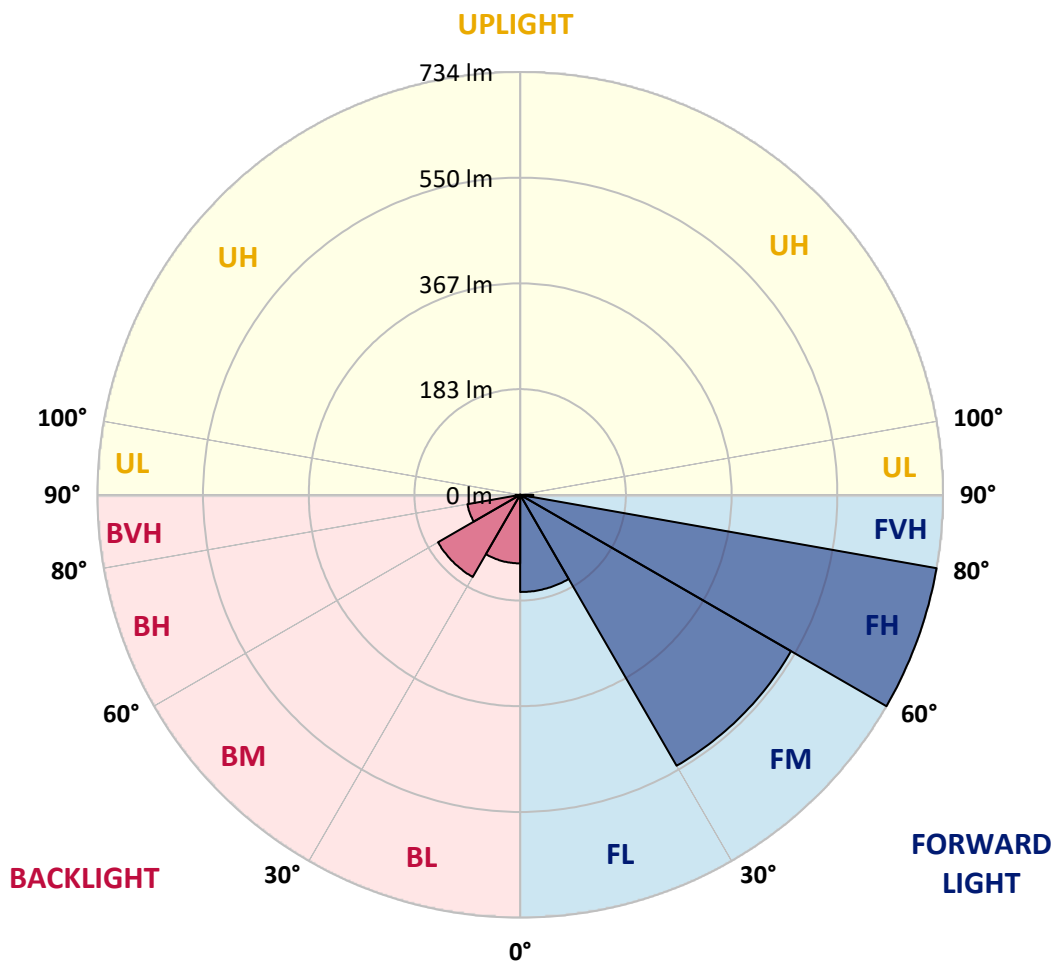
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.7	9.1			
FM	(30°-60°)	542.7	29.3			
FH	(60°-80°)	733.7	39.6			G1/1800
FVH	(80°-90°)	22.9	1.2			G1/100
BL	(0°-30°)	119.0	6.4	B1/500		
BM	(30°-60°)	164.6	8.9	B0/220		
BH	(60°-80°)	93.0	5.0	B0/110		G0/110
BVH	(80°-90°)	8.0	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3
2.5°	401.3	402.4	401.1	400.9	400.9	400.7	399.5	399.3	397.6	397.8	398.2
5°	404.3	404.7	403.8	403.6	403.2	402.4	401.3	400.1	398.8	397.6	396.5
7.5°	407.2	406.8	406.1	406.1	405.5	404.3	402.2	400.5	397.8	396.3	394.4
10°	411.4	410.7	409.9	409.5	408.4	406.6	403.6	401.3	398.0	395.1	391.9
12.5°	415.3	415.1	413.9	413.3	411.6	409.7	406.1	402.6	398.2	393.6	389.4
15°	422.5	421.6	420.4	419.1	416.4	413.9	408.4	404.3	398.0	391.9	385.5
17.5°	434.8	433.3	432.1	429.4	426.0	421.6	413.7	406.6	398.0	389.2	381.9
20°	457.4	454.2	452.6	449.0	443.1	435.2	422.9	411.4	398.6	387.3	377.5
22.5°	482.9	480.8	478.5	476.2	467.0	455.5	438.8	421.6	402.4	386.5	374.0
25°	511.5	508.8	507.5	503.6	495.0	481.8	459.0	435.2	411.0	389.8	374.0
27.5°	537.0	536.2	536.0	531.4	523.2	507.7	480.8	452.1	422.7	396.7	377.1
30°	560.2	559.4	559.0	556.4	547.0	528.6	499.4	467.2	435.4	406.4	382.9
32.5°	584.9	582.2	580.9	576.1	565.4	543.9	510.5	477.0	445.4	415.8	389.4
35°	604.9	602.6	600.1	593.2	578.2	552.7	515.3	480.4	449.4	421.0	392.8
37.5°	619.6	617.3	613.7	604.9	586.3	555.6	515.1	479.3	448.0	420.2	393.4
40°	626.1	623.8	620.0	608.9	587.8	553.9	511.1	474.5	443.6	415.8	390.9
42.5°	623.5	621.9	617.1	606.4	583.2	546.4	503.1	465.5	435.2	408.7	385.2
45°	613.9	612.7	608.1	596.8	572.7	534.3	491.4	454.2	425.2	399.9	377.7
47.5°	599.5	599.1	594.5	583.4	559.6	522.2	479.3	443.1	415.1	391.3	371.4
50°	583.6	581.5	579.2	569.0	547.2	511.7	470.5	436.2	409.5	388.2	368.7
52.5°	573.6	573.0	570.9	561.7	540.8	505.6	466.6	433.7	409.1	387.5	367.3
55°	662.6	664.1	644.9	604.9	569.8	522.4	478.5	446.5	419.3	397.6	382.7
57.5°	980.2	973.7	940.6	861.4	772.0	653.9	568.8	517.1	483.5	487.3	494.8
60°	1141.9	1140.7	1134.6	1103.9	1044.3	954.4	854.7	740.4	704.0	708.0	710.9
62.5°	1214.3	1216.1	1220.7	1209.3	1193.6	1167.4	1117.7	1071.7	1023.0	1004.8	956.1
65°	1247.7	1251.1	1261.5	1268.0	1274.1	1278.6	1298.3	1352.2	1387.8	1321.3	1166.6
67.5°	1178.5	1194.6	1229.1	1262.8	1292.9	1335.7	1402.2	1527.4	1614.6	1532.8	1308.5
70°	859.1	881.1	920.6	1024.7	1135.9	1233.1	1361.8	1552.5	1684.0	1620.8	1343.7
72.5°	538.7	544.7	562.3	600.5	683.1	807.9	1033.0	1319.0	1470.7	1420.4	1135.7
75°	341.8	343.9	343.2	352.0	366.0	393.2	482.2	779.1	1007.5	928.9	632.9
77.5°	203.6	206.7	208.0	210.7	217.4	227.0	234.3	265.1	422.5	410.1	229.7
80°	170.6	173.1	171.0	170.4	166.2	163.3	166.8	163.3	151.5	145.9	134.4
82.5°	90.3	90.1	89.5	95.5	107.9	117.5	124.8	123.1	111.4	94.9	80.5
85°	49.5	51.2	51.2	53.3	51.4	51.6	53.3	56.2	52.0	43.5	35.5
87.5°	4.2	6.5	5.2	6.5	8.8	6.3	6.1	6.1	5.2	3.8	3.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3
2.5°	397.2	396.7	395.9	395.3	395.3	394.2	393.6	393.2	393.0	392.1	392.1
5°	395.9	394.4	393.0	391.9	391.3	390.3	388.6	387.8	386.7	385.9	385.5
7.5°	393.2	390.5	388.2	386.5	384.4	382.7	380.6	378.8	376.9	376.0	375.6
10°	389.0	385.5	381.9	378.8	375.8	372.9	370.2	367.5	365.2	363.5	361.8
12.5°	385.0	379.6	375.0	370.4	365.8	362.3	358.5	354.5	351.2	348.0	347.2
15°	379.6	373.3	367.5	361.8	356.2	350.3	345.7	341.3	335.9	332.4	329.6
17.5°	374.6	367.1	360.0	353.3	346.4	340.3	333.4	327.6	322.1	316.7	312.7
20°	369.2	361.0	353.5	345.9	338.4	330.7	322.7	315.2	308.5	302.1	295.6
22.5°	364.3	356.0	348.7	340.5	332.2	323.4	314.2	304.8	297.0	288.7	281.1
25°	361.4	352.2	344.7	336.8	327.6	317.9	307.5	296.4	287.0	277.4	268.4
27.5°	361.4	349.5	341.8	333.8	324.4	314.2	302.7	290.6	279.9	269.2	258.2
30°	364.6	349.9	339.5	331.1	321.5	310.4	297.7	284.9	273.2	260.7	250.0
32.5°	367.5	350.8	337.8	327.1	316.1	305.2	292.2	278.6	265.7	253.8	242.5
35°	369.4	350.8	334.7	321.1	308.5	297.9	285.1	271.5	258.4	246.7	236.2
37.5°	369.6	349.1	329.6	314.2	301.0	289.9	277.8	265.1	252.5	241.6	232.9
40°	367.5	345.7	324.6	306.9	293.1	281.8	270.7	259.2	247.9	238.9	231.4
42.5°	363.7	342.2	319.8	301.0	286.6	274.9	264.6	254.8	245.0	237.3	231.0
45°	358.1	337.4	315.4	297.5	283.2	270.9	260.9	252.7	244.4	237.9	231.6
47.5°	353.1	335.7	316.9	299.8	284.9	272.2	261.9	255.0	248.5	244.1	235.6
50°	352.0	334.9	317.5	301.6	286.6	273.6	264.6	261.1	259.2	256.5	243.3
52.5°	349.1	334.7	322.1	313.3	303.7	297.7	288.3	291.6	289.5	279.9	256.1
55°	379.8	384.0	395.7	412.4	427.9	431.4	430.4	426.4	405.3	348.7	286.8
57.5°	522.2	545.8	567.9	577.8	576.5	565.4	557.5	541.4	510.9	441.9	347.4
60°	719.9	723.7	712.0	694.6	665.3	640.9	614.8	584.7	540.3	472.8	384.6
62.5°	902.0	851.4	799.3	750.4	705.9	667.0	630.6	588.6	530.9	460.5	379.8
65°	1030.5	923.5	841.4	771.1	708.2	653.9	608.5	553.9	488.9	425.4	352.0
67.5°	1096.8	932.7	806.7	708.8	619.6	544.3	483.9	430.8	382.5	354.7	308.1
70°	1022.8	791.6	616.0	505.4	398.6	319.6	252.5	212.0	198.0	224.3	233.3
72.5°	762.1	515.3	366.4	283.4	217.2	173.1	132.7	104.3	84.9	89.0	115.6
75°	360.4	222.4	157.2	119.6	95.1	78.8	64.4	58.9	49.3	41.0	38.5
77.5°	140.3	102.2	84.4	61.9	43.9	35.3	30.1	29.1	29.7	28.8	28.4
80°	106.8	72.3	45.4	33.2	28.6	25.3	22.4	21.5	21.9	23.0	24.0
82.5°	59.6	37.2	27.6	24.0	21.5	18.4	16.7	15.5	15.7	16.9	19.2
85°	23.0	18.0	16.5	15.9	14.8	11.9	10.2	10.5	11.9	14.2	14.2
87.5°	2.5	2.5	3.3	2.5	2.5	2.5	2.3	2.7	2.9	3.8	4.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3
2.5°	391.7	391.7	391.7	391.3	391.5	390.7	390.7	390.1	391.1	390.5	390.3
5°	385.7	385.5	384.6	384.6	384.6	384.6	385.2	383.6	384.8	384.8	384.2
7.5°	375.4	375.4	373.1	374.4	374.0	374.6	375.4	374.6	375.8	376.7	376.0
10°	361.2	361.2	359.3	360.8	360.2	361.6	363.1	362.3	363.1	364.3	364.8
12.5°	345.5	344.7	343.0	343.6	343.6	344.5	345.1	346.2	347.2	348.9	349.7
15°	327.3	326.1	324.0	324.0	322.7	323.2	324.4	324.8	326.9	329.2	331.9
17.5°	308.7	305.6	303.3	300.6	298.5	300.2	301.6	302.7	304.4	307.9	309.8
20°	291.2	284.9	280.5	277.0	274.7	275.7	277.6	278.8	280.3	281.1	281.8
22.5°	273.8	266.7	260.7	256.3	252.5	253.6	252.7	252.1	253.1	250.4	250.2
25°	258.8	250.4	242.3	237.0	232.4	231.0	226.6	225.5	222.6	220.3	218.6
27.5°	247.9	237.0	228.1	222.0	214.7	209.2	203.6	198.0	194.8	191.1	189.2
30°	239.3	227.8	217.2	206.9	197.3	189.0	181.4	174.1	169.1	163.7	160.1
32.5°	231.4	220.7	207.8	193.8	180.8	171.4	161.6	153.2	145.3	138.2	132.9
35°	226.0	214.0	197.5	180.4	165.8	154.7	144.2	132.3	122.7	113.5	107.9
37.5°	223.0	208.4	188.1	169.1	152.8	140.3	127.3	113.5	101.8	93.2	84.7
40°	220.7	202.8	179.8	159.1	141.9	126.9	111.8	95.5	82.6	73.6	66.9
42.5°	218.2	196.5	172.5	151.1	132.1	114.5	96.4	79.0	66.7	60.4	57.5
45°	215.5	191.1	165.6	143.6	122.5	101.2	80.3	64.2	56.9	54.8	54.8
47.5°	214.9	187.5	160.5	136.3	111.6	85.7	65.4	55.4	53.3	53.7	54.6
50°	217.4	186.5	156.1	127.7	97.2	69.4	55.4	52.0	52.5	53.7	55.0
52.5°	223.5	187.3	151.5	115.8	80.1	57.3	51.2	51.0	52.3	54.1	55.4
55°	233.7	187.3	142.8	98.0	64.0	51.4	49.7	50.6	52.3	53.9	55.0
57.5°	255.6	185.4	127.3	78.4	53.5	49.3	49.3	50.4	51.8	53.5	54.3
60°	281.8	182.9	105.6	60.6	48.3	47.7	49.1	50.4	51.6	53.1	53.9
62.5°	283.4	176.4	83.6	50.2	45.6	46.6	48.9	50.6	51.0	52.0	53.1
65°	260.5	153.8	66.5	44.9	44.3	46.0	48.3	49.5	49.7	50.2	51.2
67.5°	228.1	125.4	53.7	42.4	43.1	44.9	46.2	47.2	47.9	48.9	49.1
70°	187.3	100.8	46.0	39.9	40.6	42.6	43.7	44.7	46.0	47.2	46.6
72.5°	132.7	78.4	40.3	37.2	38.0	39.9	41.2	42.0	43.1	44.3	43.5
75°	56.4	54.8	34.9	33.7	34.9	36.2	37.4	38.7	39.7	40.3	40.3
77.5°	28.8	32.2	30.1	30.1	30.9	32.2	33.2	34.5	35.1	35.7	36.6
80°	24.5	24.9	25.3	26.1	27.0	28.2	29.3	30.3	30.5	30.7	31.1
82.5°	20.3	21.1	21.5	22.8	23.4	23.8	24.5	24.5	24.9	24.9	24.2
85°	14.6	15.7	16.3	16.5	16.3	16.5	16.7	17.1	18.2	18.2	17.3
87.5°	4.2	4.0	5.0	5.2	5.6	6.5	7.3	8.8	9.2	9.6	9.6
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°	395.3	395.3	395.3	395.3
2.5°	390.1	390.5	389.6	389.8
5°	384.2	385.0	384.0	385.2
7.5°	376.7	377.9	377.7	377.5
10°	365.8	367.5	367.5	368.1
12.5°	352.0	353.1	353.9	354.3
15°	333.4	335.3	336.3	336.3
17.5°	311.0	312.3	312.9	312.1
20°	282.6	282.2	282.4	280.3
22.5°	249.8	250.4	248.5	249.0
25°	217.6	216.6	217.4	216.1
27.5°	186.5	186.7	184.4	185.4
30°	156.8	155.7	152.8	154.3
32.5°	128.1	125.4	122.3	120.4
35°	101.2	97.0	95.5	94.9
37.5°	79.4	74.8	73.4	71.7
40°	63.1	61.5	60.8	61.2
42.5°	56.6	56.6	57.1	57.3
45°	55.0	55.6	56.2	56.4
47.5°	55.2	55.8	56.6	56.9
50°	55.6	56.2	56.9	57.1
52.5°	55.8	55.8	56.2	56.4
55°	55.4	55.2	55.4	55.6
57.5°	54.6	54.1	54.3	55.0
60°	54.1	53.5	53.9	54.3
62.5°	53.1	52.9	53.3	53.5
65°	50.8	51.0	51.6	51.6
67.5°	48.7	48.9	49.1	49.3
70°	46.2	46.4	46.8	47.0
72.5°	43.3	44.1	44.7	45.6
75°	41.0	41.8	43.1	43.9
77.5°	37.0	37.6	39.1	40.1
80°	31.4	31.1	31.4	32.0
82.5°	24.0	24.0	23.8	23.6
85°	16.9	16.7	16.1	16.1
87.5°	9.2	9.0	8.8	8.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)