

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: STREETWORKS

Report Number: P324547

Luminaire Tested: **GAN-SA3A-760-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-760-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10546 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

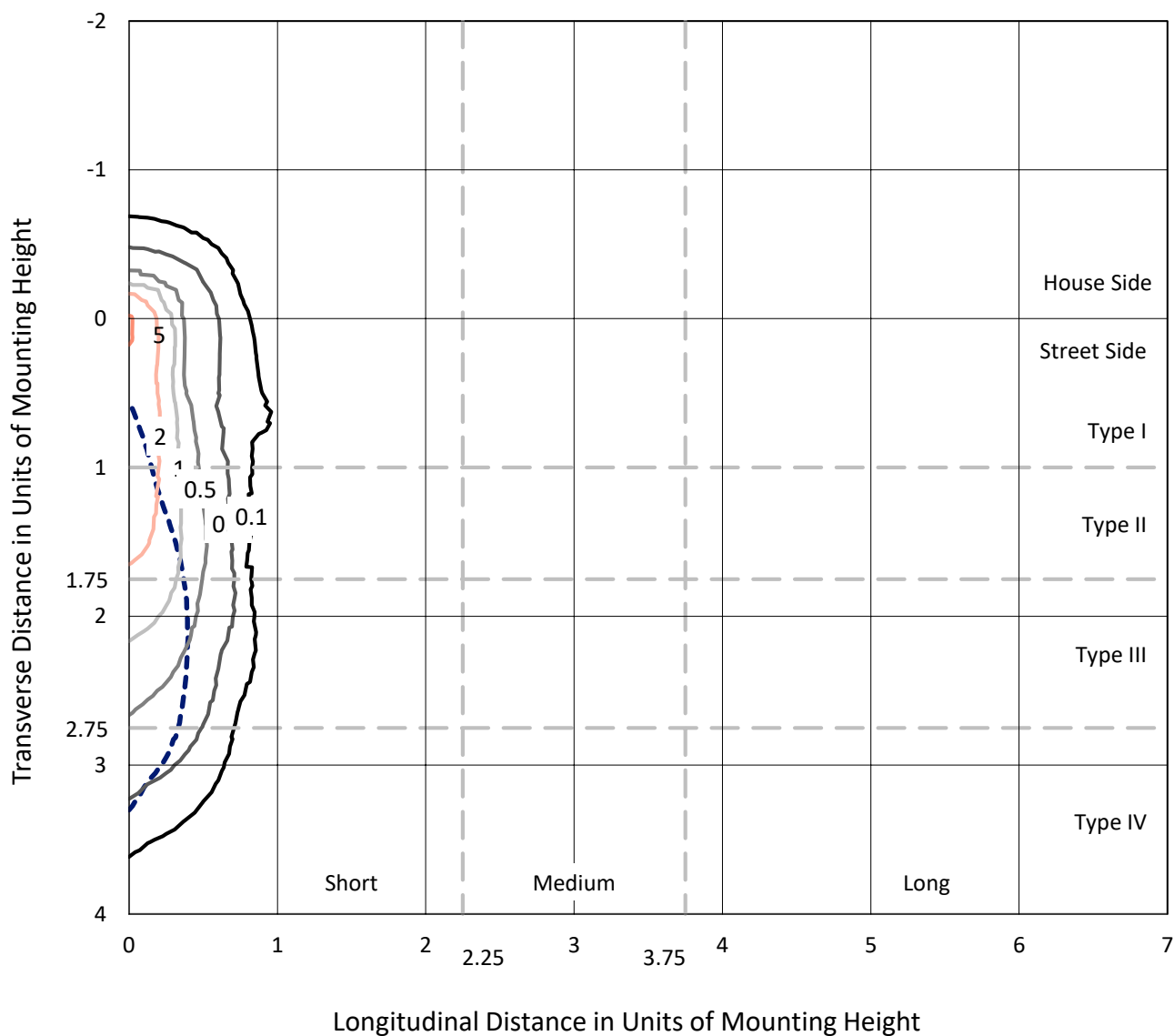
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

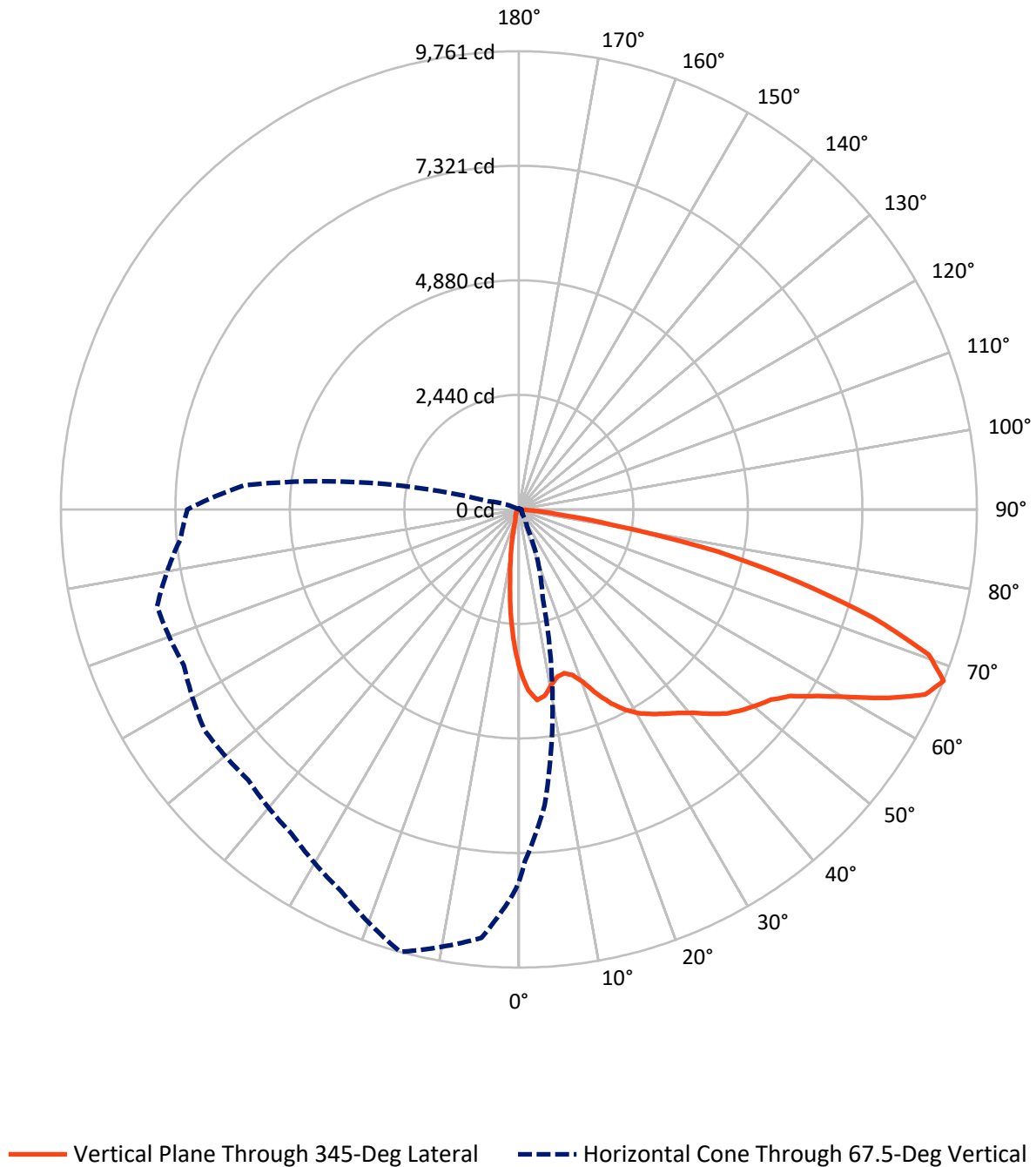
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1276.4	0.0	1276.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	9269.6	0.0	9269.6
	% Fixture	87.9	0.0	87.9
Total	Lumens	10546.0	0.0	10546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.7	2.5
10°-20°	524.8	5.0
20°-30°	745.2	7.1
30°-40°	1100.7	10.4
40°-50°	1587.5	15.1
50°-60°	2228.5	21.1
60°-70°	2597.8	24.6
70°-80°	1328.1	12.6
80°-90°	169.6	1.6
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°	10546.0	100.0
0°-180°	10546.0	100.0

Coefficient of Utilization



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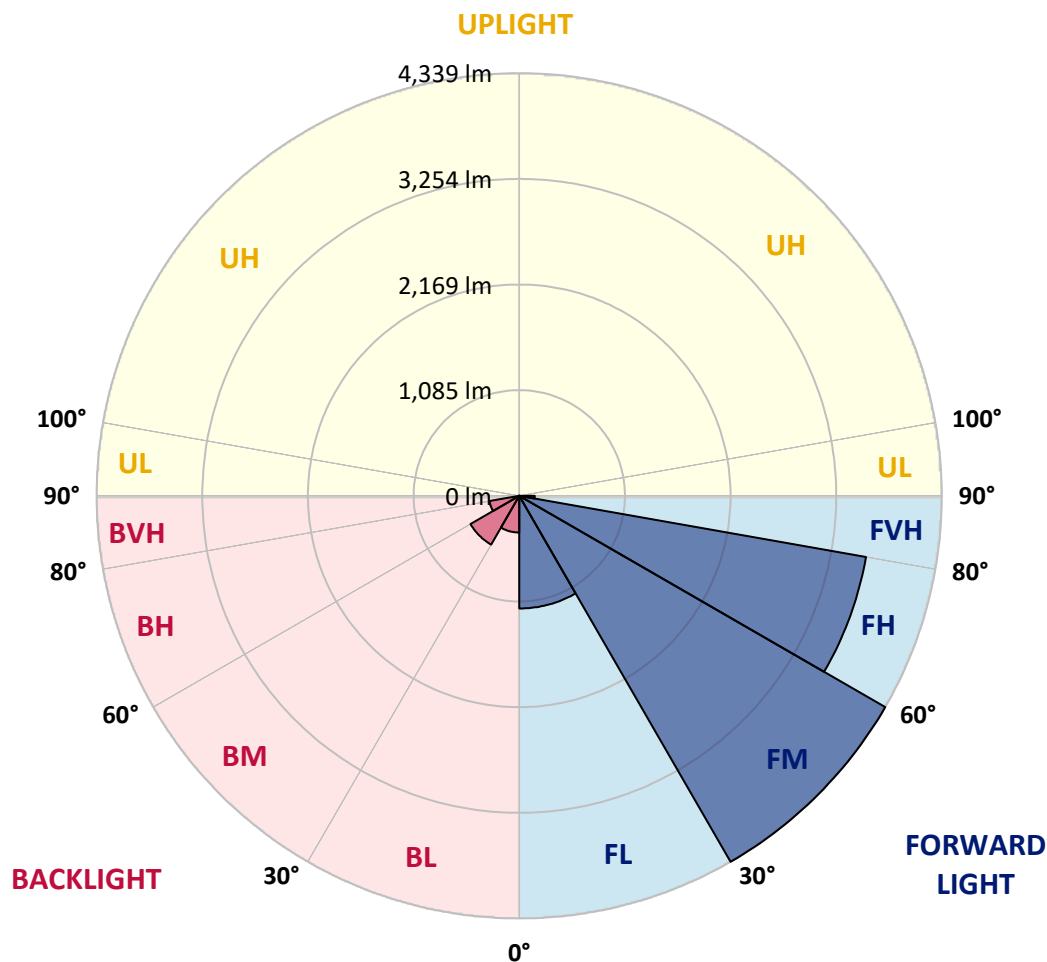
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1156.7	11.0			
FM	(30°-60°)	4338.8	41.1			
FH	(60°-80°)	3614.8	34.3			G2/5000
FVH	(80°-90°)	159.3	1.5			G2/225
BL	(0°-30°)	377.0	3.6	B1/500		
BM	(30°-60°)	578.0	5.5	B1/1000		
BH	(60°-80°)	311.1	3.0	B1/500		G1/500
BVH	(80°-90°)	10.3	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3
2.5°	3761.6	3732.6	3700.6	3596.2	3499.3	3388.4	3297.9	3235.0	3156.1	3053.6	3027.7
5°	3734.6	3703.6	3603.2	3370.9	3167.5	2969.7	2778.8	2666.9	2528.0	2387.2	2352.2
7.5°	3463.3	3430.8	3286.0	2967.7	2693.9	2408.1	2160.3	2006.9	1850.1	1721.2	1652.7
10°	3181.0	3145.6	2982.7	2596.5	2259.3	2001.0	1819.1	1672.7	1524.3	1386.4	1276.5
12.5°	2986.7	2940.2	2763.4	2325.7	2031.9	1856.6	1686.7	1511.3	1310.5	1162.6	1041.7
15°	2905.3	2852.3	2665.4	2221.3	1951.5	1745.6	1524.3	1309.0	1073.7	904.3	793.4
17.5°	2968.2	2899.3	2698.9	2214.3	1850.6	1570.3	1290.5	1037.7	782.4	611.0	532.1
20°	3182.0	3091.6	2837.3	2212.3	1728.2	1361.9	1007.2	721.4	515.6	414.7	373.2
22.5°	3518.8	3399.4	3036.1	2228.3	1601.8	1143.1	727.4	490.1	387.2	334.7	310.3
25°	3925.5	3787.1	3322.4	2284.7	1490.8	930.3	528.6	387.2	326.7	288.3	267.8
27.5°	4312.2	4199.7	3684.1	2366.2	1404.9	758.4	429.2	328.2	279.3	253.8	237.3
30°	4698.4	4557.0	4055.4	2463.1	1301.5	642.0	377.2	299.3	250.3	223.3	212.8
32.5°	4979.1	4861.7	4346.1	2533.0	1191.1	566.1	337.2	273.8	233.8	206.3	190.9
35°	5309.4	5176.5	4595.4	2548.5	1120.1	518.1	303.3	246.3	202.8	178.4	161.9
37.5°	5666.1	5500.7	4883.2	2514.6	1064.7	494.6	277.8	233.8	189.4	164.4	146.9
40°	6060.8	5874.0	5159.5	2465.6	1010.2	486.6	258.3	224.3	178.9	153.4	135.4
42.5°	6476.5	6256.2	5398.8	2414.1	975.7	459.1	256.3	214.8	170.9	143.4	125.4
45°	6825.7	6602.4	5644.6	2397.1	951.3	429.2	264.8	208.3	165.4	135.4	117.9
47.5°	7104.0	6892.7	5896.4	2435.1	937.3	401.7	241.3	216.8	162.4	128.4	111.4
50°	7436.2	7196.9	6251.2	2548.5	916.8	374.2	218.3	248.3	162.4	123.9	105.9
52.5°	7852.9	7616.1	6646.9	2724.4	875.8	336.2	196.3	248.8	163.9	117.9	98.9
55°	8377.0	8205.1	7211.9	2917.2	810.4	280.3	169.9	213.8	157.9	106.9	92.4
57.5°	8879.6	8739.2	7727.0	3049.1	722.9	218.8	147.9	172.4	144.4	93.9	82.4
59°	9017.0	8863.6	7915.9	3055.1	657.5	190.9	136.9	142.4	141.4	87.9	76.4
60°	9017.0	8854.1	7970.3	3023.2	610.0	175.4	129.9	126.9	147.4	83.9	72.9
62.5°	8853.6	8624.8	7793.5	2806.8	497.6	149.4	113.4	104.9	132.4	75.4	64.5
65°	8513.9	8180.7	7190.9	2415.6	443.7	136.9	97.9	85.9	91.9	66.4	56.5
67.5°	7947.3	7495.7	6322.1	1951.5	422.2	133.4	84.4	72.9	69.4	57.0	49.5
70°	6949.6	6448.5	5267.4	1534.3	403.7	131.9	70.9	61.5	56.0	48.0	42.0
72.5°	5058.1	4535.5	3739.6	1199.6	392.7	134.9	57.0	51.5	46.0	37.5	32.5
75°	2893.3	2551.0	2101.9	792.4	334.7	128.9	44.0	43.0	33.0	27.0	22.5
77.5°	1494.8	1449.4	1259.5	304.3	160.4	56.5	29.0	25.0	19.5	16.5	13.5
80°	645.0	638.0	552.1	87.9	42.5	31.5	16.5	10.5	9.0	7.0	5.5
82.5°	222.8	222.8	196.3	29.5	19.0	15.5	2.0	0.0	0.0	0.0	0.0
85°	45.0	50.5	35.5	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3
2.5°	2996.2	2935.7	2931.7	2893.8	2846.3	2824.8	2812.3	2834.3	2861.3	2864.3	2904.8
5°	2325.7	2262.2	2288.7	2221.3	2234.8	2221.3	2199.3	2203.3	2215.3	2177.8	2224.3
7.5°	1633.2	1585.3	1615.7	1597.8	1621.7	1631.2	1617.7	1597.8	1538.8	1531.8	1572.3
10°	1231.0	1176.6	1144.1	1110.1	1117.6	1133.1	1128.1	1113.6	1076.2	1078.2	1117.1
12.5°	989.2	928.3	863.8	780.4	759.9	771.4	759.9	751.4	715.4	718.4	752.9
15°	750.4	700.5	633.0	566.1	529.6	533.1	501.1	478.6	456.1	429.2	450.2
17.5°	506.6	476.1	456.1	436.2	392.7	382.7	342.2	298.8	281.8	269.3	278.3
20°	358.7	342.2	334.2	333.2	308.3	295.8	256.3	229.3	220.8	218.3	223.8
22.5°	299.8	287.8	276.3	269.8	257.3	242.8	212.8	199.3	193.4	190.4	194.3
25°	260.8	251.8	239.8	228.8	223.8	208.3	186.9	176.9	172.9	169.9	171.9
27.5°	231.8	223.8	209.8	202.8	198.8	185.4	166.9	158.9	155.4	154.4	153.9
30°	208.8	201.3	188.4	180.4	173.4	161.4	150.4	142.4	138.9	137.9	136.9
32.5°	185.9	179.9	171.4	163.4	155.9	144.9	135.4	128.9	123.4	122.4	121.9
35°	156.9	150.9	146.4	145.9	138.9	128.4	121.4	112.9	108.4	106.9	107.4
37.5°	139.4	131.4	121.4	124.9	122.9	115.4	105.9	97.4	92.9	91.9	91.9
40°	128.4	119.9	108.4	102.4	108.4	106.9	91.9	83.4	78.9	78.4	77.4
42.5°	117.9	109.4	96.4	86.4	89.4	93.9	79.4	71.4	66.9	65.9	64.5
45°	110.4	101.4	86.9	75.4	69.4	78.9	67.9	58.0	55.5	53.5	52.5
47.5°	103.4	94.9	78.4	65.4	55.5	57.0	54.5	47.5	44.5	42.5	42.0
50°	97.4	88.4	70.9	56.0	46.0	42.0	44.0	37.5	35.0	33.0	32.0
52.5°	90.4	81.9	63.0	48.5	38.5	33.0	33.5	29.5	27.0	25.5	25.0
55°	84.9	76.4	56.5	42.5	34.0	27.0	24.0	23.0	21.5	20.5	20.0
57.5°	77.4	69.4	50.0	36.0	29.0	22.0	18.5	18.5	18.0	17.0	16.5
59°	72.9	65.9	46.0	32.5	26.5	19.0	16.5	17.0	16.5	15.5	15.0
60°	69.4	63.0	43.0	30.0	25.0	17.5	15.0	16.0	15.5	14.5	14.0
62.5°	61.5	57.0	37.0	25.0	22.0	14.0	12.5	13.5	13.5	13.0	12.5
65°	54.0	49.0	31.5	21.0	20.5	12.0	10.0	12.0	12.5	11.5	10.5
67.5°	47.0	42.0	27.5	17.0	19.0	9.5	7.5	10.0	13.5	10.5	9.5
70°	40.0	35.0	21.5	13.5	20.0	6.5	6.0	9.0	16.0	11.5	9.0
72.5°	31.0	27.0	15.0	10.0	21.5	4.5	4.5	7.5	18.0	12.5	8.5
75°	21.5	17.5	9.0	6.0	17.5	3.0	3.0	7.0	17.0	11.5	8.0
77.5°	12.5	9.5	3.0	0.5	9.0	0.0	0.5	5.0	12.0	7.0	3.5
80°	4.5	2.0	0.0	0.0	5.5	0.0	0.0	0.0	1.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3
2.5°	2915.2	2982.7	3043.1	3134.6	3243.0	3367.9	3475.3	3590.7	3699.1	3744.1	3775.1
5°	2233.8	2317.2	2414.6	2549.0	2727.9	2948.2	3154.6	3387.9	3638.7	3764.1	3882.0
7.5°	1579.3	1664.2	1785.1	1928.0	2144.3	2406.6	2676.4	2998.7	3338.4	3536.8	3732.1
10°	1135.6	1240.0	1353.0	1548.3	1768.1	2016.9	2294.7	2654.4	3033.2	3253.0	3488.3
12.5°	772.9	891.8	1062.7	1281.5	1539.8	1783.6	2024.9	2368.2	2807.8	3025.7	3278.0
15°	463.6	529.6	710.4	963.8	1280.5	1584.3	1848.6	2192.8	2661.4	2928.2	3190.5
17.5°	285.8	316.3	414.7	622.5	955.3	1339.5	1701.7	2133.3	2682.4	3007.2	3288.0
20°	227.8	239.8	271.3	367.7	633.0	1069.7	1536.3	2121.4	2853.8	3253.5	3554.7
22.5°	197.8	209.3	230.3	267.3	398.2	800.9	1379.4	2132.3	3099.6	3622.7	3974.4
25°	174.4	184.4	204.3	234.8	291.8	564.1	1211.6	2181.3	3419.9	4080.8	4454.6
27.5°	155.9	164.4	182.9	210.8	250.3	393.7	1021.2	2240.8	3799.6	4549.5	4918.2
30°	138.9	146.4	162.9	188.9	217.3	302.8	812.4	2281.2	4179.8	4918.2	5249.4
32.5°	124.4	129.9	144.9	166.9	188.9	241.3	617.5	2274.7	4462.0	5225.0	5487.8
35°	109.4	114.9	127.9	146.9	164.4	199.3	485.6	2153.3	4707.9	5543.2	5760.5
37.5°	92.9	99.9	112.4	129.4	141.4	175.4	392.7	2006.9	4957.2	5906.9	6064.8
40°	78.9	85.9	96.9	115.4	122.9	166.4	301.8	1828.6	5237.4	6313.6	6398.5
42.5°	65.4	71.9	83.4	99.4	115.9	143.4	223.3	1624.7	5506.7	6661.3	6702.8
45°	53.0	59.5	71.4	87.4	123.9	118.9	172.9	1406.4	5724.1	6950.6	6964.1
47.5°	42.0	48.0	60.5	82.4	115.4	94.9	123.4	1235.0	5906.4	7176.4	7141.0
50°	32.5	37.5	50.5	94.4	100.9	78.4	93.4	1178.1	6069.8	7316.3	7224.4
52.5°	25.5	30.0	41.5	88.4	78.4	64.9	78.4	1231.5	6293.6	7432.2	7271.4
55°	20.5	25.0	32.5	50.5	53.5	55.0	66.9	1281.5	6679.8	7704.0	7548.7
57.5°	17.0	21.5	26.5	35.5	40.5	46.5	59.5	1287.0	7135.0	8155.7	8008.8
59°	15.5	19.5	24.0	31.5	35.5	42.5	56.0	1257.0	7295.4	8320.1	8246.6
60°	14.5	18.5	22.5	29.0	33.0	40.0	54.0	1228.5	7302.3	8314.1	8348.0
62.5°	12.5	16.5	20.0	24.5	28.0	34.0	48.5	1123.1	7006.6	8041.8	8287.1
65°	11.0	14.5	18.0	21.0	24.0	30.5	44.0	930.8	6501.5	7602.6	7869.9
67.5°	10.0	12.5	16.5	18.5	21.5	27.0	39.0	663.5	5870.5	7065.5	7238.9
70°	9.0	12.0	15.0	17.0	19.5	23.5	33.5	381.2	4957.2	6279.1	6402.5
72.5°	8.5	11.5	13.5	16.0	17.5	21.0	30.5	179.4	3629.7	5030.1	5352.4
75°	7.5	10.5	12.5	15.0	16.5	19.0	26.0	85.9	2414.1	3640.2	4006.4
77.5°	4.5	8.5	11.5	13.5	14.5	16.5	21.5	49.5	1540.8	2519.5	2967.7
80°	0.0	3.0	8.5	11.5	12.5	14.0	16.5	39.0	824.4	1439.4	1727.7
82.5°	0.0	0.0	6.0	9.0	8.5	9.5	12.5	24.5	371.7	940.8	1060.2
85°	0.0	0.0	2.0	7.0	6.0	4.5	8.5	8.5	81.4	476.1	594.0
87.5°	0.0	0.0	0.0	0.5	3.0	2.0	3.5	1.0	0.5	35.5	143.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3	3435.3
2.5°	3883.5	3920.5	3982.9	4012.4	3997.9	3936.5	3863.0	3788.1	3744.1	3761.6
5°	4122.3	4312.7	4422.6	4459.0	4398.1	4260.2	4079.8	3842.0	3757.6	3734.6
7.5°	4122.3	4480.5	4707.4	4747.3	4611.4	4341.1	4002.9	3631.7	3508.3	3463.3
10°	3977.4	4465.0	4781.3	4844.7	4654.9	4250.7	3797.6	3373.9	3227.5	3181.0
12.5°	3814.0	4339.1	4672.4	4759.8	4603.9	4160.8	3655.2	3199.5	3027.2	2986.7
15°	3713.6	4184.3	4460.0	4523.5	4457.5	4108.3	3621.2	3147.1	2944.2	2905.3
17.5°	3749.6	4064.4	4163.8	4200.7	4245.2	4089.8	3713.6	3262.0	3005.2	2968.2
20°	3885.0	3938.0	3886.5	3933.0	4052.9	4107.8	3934.0	3539.8	3231.5	3182.0
22.5°	4114.8	3872.5	3728.1	3746.6	3892.5	4167.3	4270.7	3936.5	3580.7	3518.8
25°	4382.6	3925.5	3640.2	3623.7	3773.6	4245.7	4578.5	4368.1	3993.9	3925.5
27.5°	4719.3	4044.4	3622.2	3605.7	3732.1	4319.2	4834.3	4794.8	4429.1	4312.2
30°	4979.1	4161.3	3675.7	3637.7	3773.6	4370.1	5039.6	5157.0	4775.8	4698.4
32.5°	5165.5	4299.2	3762.6	3707.6	3890.5	4458.0	5198.0	5488.7	5096.6	4979.1
35°	5307.4	4449.1	3903.0	3812.5	4051.4	4591.4	5346.4	5842.0	5437.8	5309.4
37.5°	5440.3	4659.4	4122.3	4014.4	4303.7	4806.3	5503.2	6242.7	5819.5	5666.1
40°	5625.6	4897.7	4460.5	4364.6	4727.8	5099.1	5699.1	6660.3	6253.7	6060.8
42.5°	5811.0	5153.5	4806.8	4832.8	5256.9	5454.8	5951.9	7102.0	6682.3	6476.5
45°	5980.4	5417.3	5299.9	5419.8	5748.0	5845.0	6203.2	7357.3	7024.6	6825.7
47.5°	6131.3	5747.0	5790.0	6109.3	6306.6	6198.2	6391.1	7577.6	7279.4	7104.0
50°	6306.6	6173.7	6436.0	6887.7	6949.6	6518.0	6561.9	7838.4	7577.1	7436.2
52.5°	6498.5	6623.4	7151.5	7549.7	7529.7	6865.2	6733.8	8130.7	7985.3	7852.9
55°	6716.3	6986.6	7781.5	8169.2	8152.2	7252.9	7018.6	8491.9	8496.9	8377.0
57.5°	7039.5	7299.3	8209.1	8670.3	8698.8	7700.5	7501.2	8896.6	8959.6	8879.6
59°	7271.4	7502.2	8378.5	8879.6	8995.5	8046.8	7853.9	9131.4	9090.0	9017.0
60°	7443.2	7631.1	8462.4	8989.0	9167.9	8281.6	8114.2	9269.3	9105.4	9017.0
62.5°	7868.4	7911.9	8613.8	9112.9	9366.2	8803.2	8846.6	9504.1	8998.0	8853.6
65°	8066.8	8089.2	8611.8	8891.1	9174.4	9209.4	9511.1	9511.1	8735.7	8513.9
67.5°	7983.8	7875.4	8184.7	8155.7	8438.5	8968.1	9760.9	9162.4	8234.1	7947.3
70°	7309.3	6892.2	6754.8	6767.3	6983.6	7800.5	9266.3	8136.2	7284.9	6949.6
72.5°	6081.8	5081.1	4741.8	5129.0	5185.5	5994.9	7896.9	6127.3	5372.3	5058.1
75°	4891.7	3581.7	3030.2	3438.8	3534.8	4387.1	6108.8	3816.0	3138.1	2893.3
77.5°	3514.3	2571.0	2174.3	2145.8	2269.7	2782.3	4334.6	1920.5	1601.8	1494.8
80°	1996.5	1692.2	1822.1	1719.2	1781.6	1739.7	2059.4	842.3	690.0	645.0
82.5°	1205.1	1000.2	1083.2	901.8	1141.1	993.7	793.4	269.8	234.3	222.8
85°	783.9	546.6	284.8	190.9	393.2	635.0	177.4	73.4	56.5	45.0
87.5°	270.3	139.4	14.0	6.0	42.0	118.4	6.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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