

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: P324477

Luminaire Tested: **GAN-SA3B-740-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324477
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-SA3B-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA 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: 12933 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

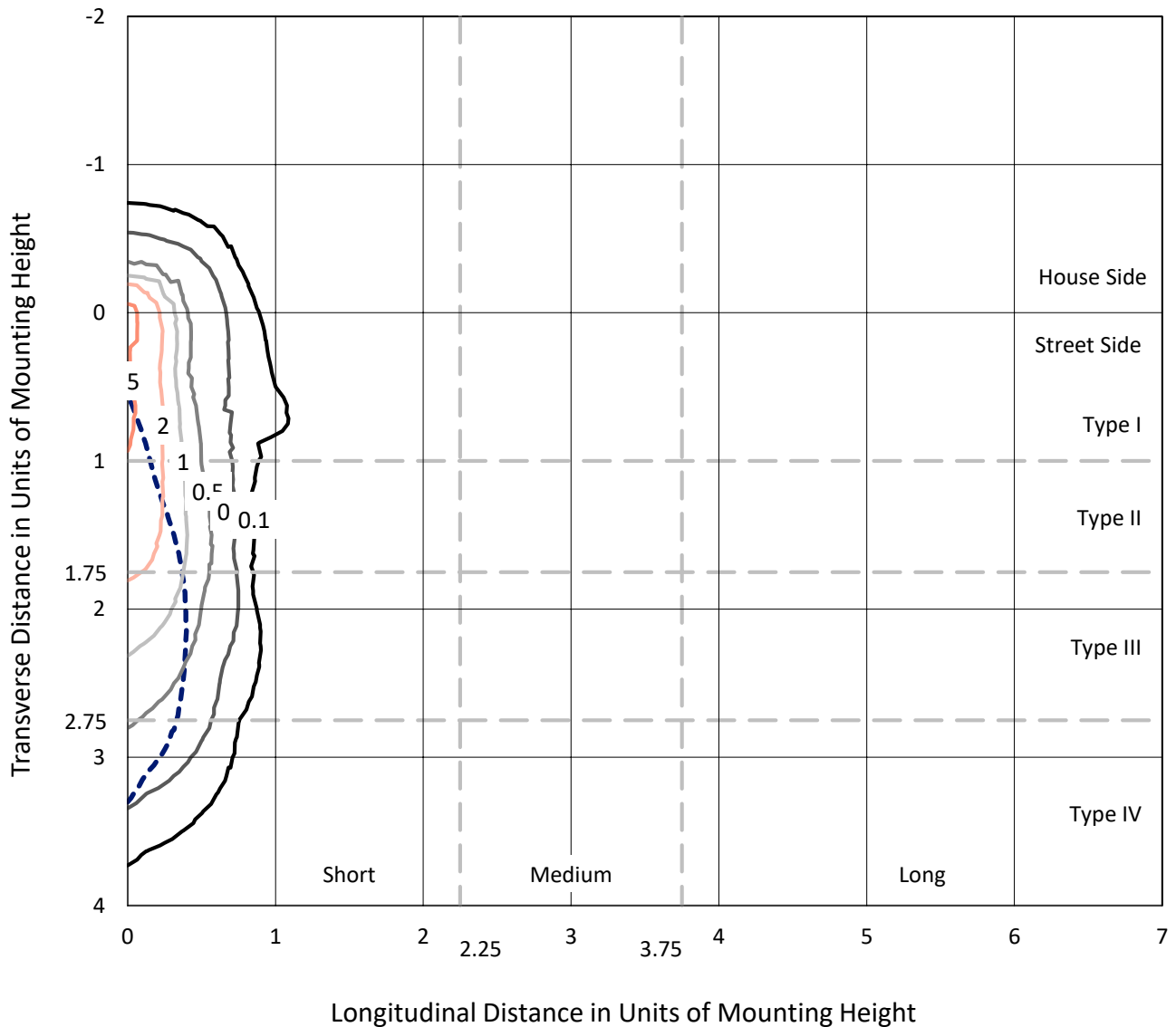
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

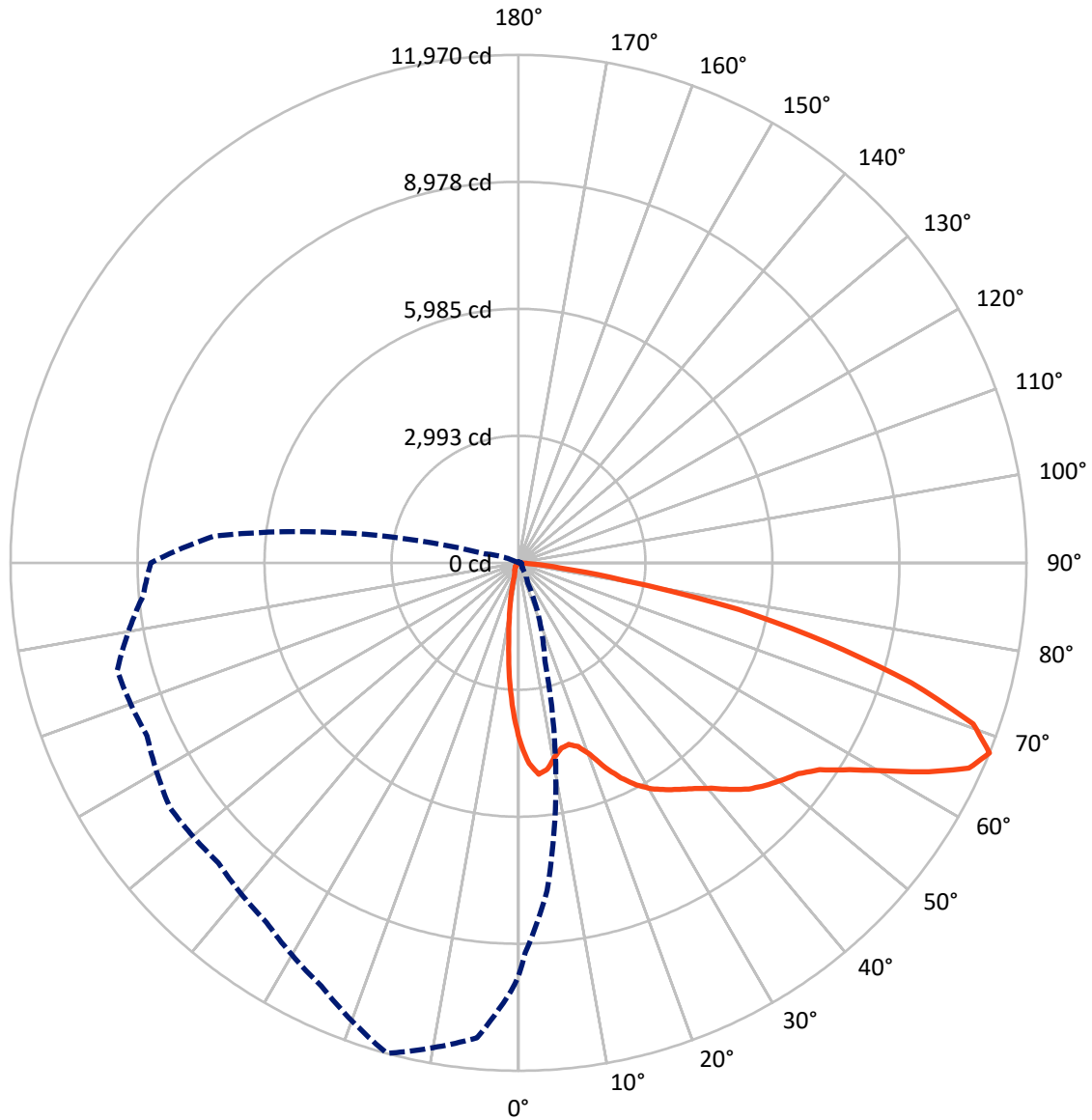
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1565.3	0.0	1565.3
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	11367.7	0.0	11367.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	12933.0	0.0	12933.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.3	2.5
10°-20°	643.6	5.0
20°-30°	913.9	7.1
30°-40°	1349.9	10.4
40°-50°	1946.8	15.1
50°-60°	2732.9	21.1
60°-70°	3185.8	24.6
70°-80°	1628.7	12.6
80°-90°	208.0	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°	12933.0	100.0
0°-180°	12933.0	100.0

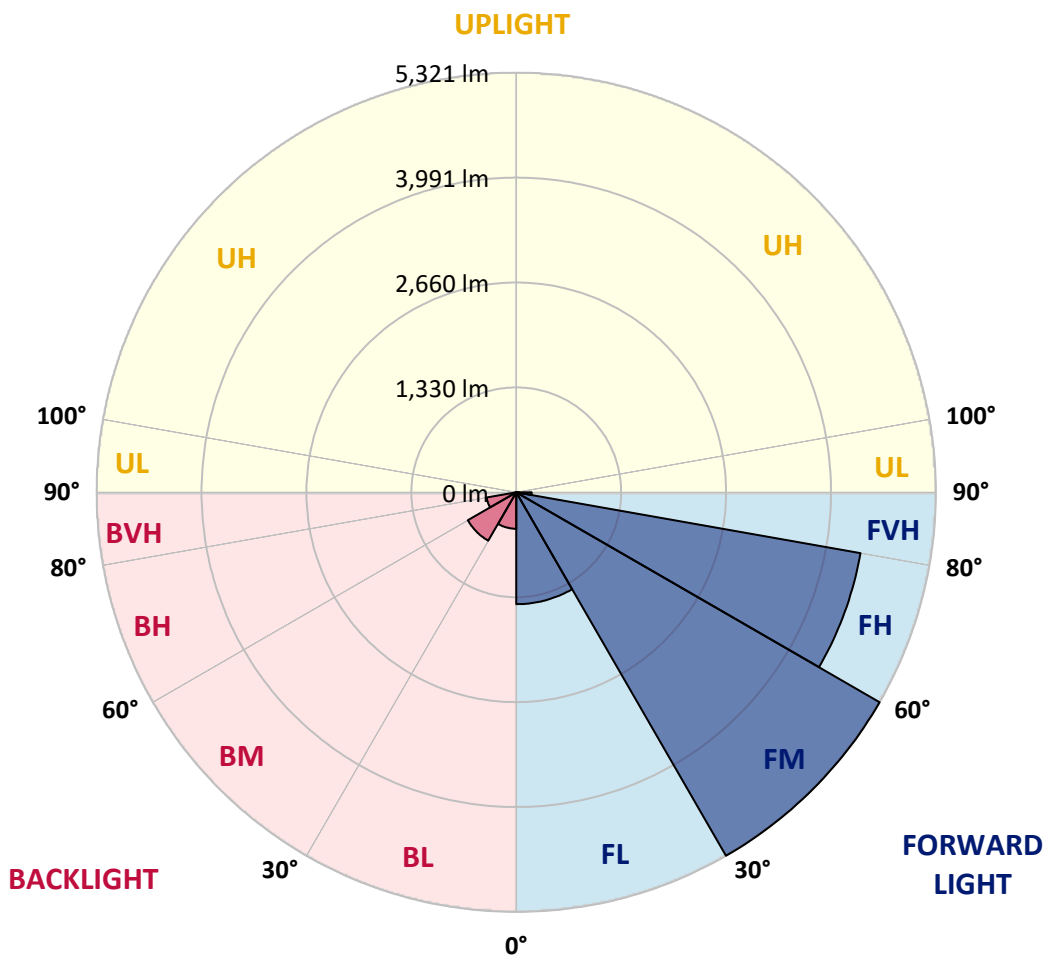


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1418.5	11.0			
FM (30°-60°)	5320.9	41.1			
FH (60°-80°)	4433.0	34.3			G2/5000
FVH (80°-90°)	195.4	1.5			G2/225
BL (0°-30°)	462.3	3.6	B1/500		
BM (30°-60°)	708.8	5.5	B1/1000		
BH (60°-80°)	381.5	2.9	B1/500		G1/500
BVH (80°-90°)	12.6	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°	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9
2.5°	4613.0	4577.5	4538.2	4410.2	4291.3	4155.3	4044.4	3967.2	3870.4	3744.8	3712.9
5°	4579.9	4541.9	4418.8	4133.9	3884.5	3641.9	3407.8	3270.6	3100.2	2927.5	2884.6
7.5°	4247.2	4207.4	4029.7	3639.4	3303.7	2953.2	2649.3	2461.2	2268.8	2110.7	2026.8
10°	3901.0	3857.5	3657.8	3184.2	2770.6	2453.8	2230.8	2051.3	1869.3	1700.2	1565.4
12.5°	3662.7	3605.7	3388.8	2852.1	2491.8	2276.8	2068.5	1853.4	1607.1	1425.7	1277.5
15°	3562.8	3497.9	3268.7	2724.0	2393.2	2140.8	1869.3	1605.3	1316.7	1109.0	973.0
17.5°	3640.0	3555.5	3309.8	2715.5	2269.4	1925.7	1582.6	1272.6	959.5	749.3	652.5
20°	3902.3	3791.4	3479.5	2713.0	2119.3	1670.2	1235.2	884.7	632.3	508.5	457.7
22.5°	4315.2	4168.8	3723.4	2732.6	1964.3	1401.8	892.1	601.1	474.8	410.5	380.5
25°	4814.0	4644.2	4074.4	2801.9	1828.3	1140.8	648.2	474.8	400.7	353.5	328.4
27.5°	5288.2	5150.3	4518.0	2901.7	1722.9	930.1	526.3	402.5	342.5	311.2	291.0
30°	5761.8	5588.4	4973.3	3020.6	1596.1	787.3	462.6	367.0	307.0	273.9	261.0
32.5°	6106.1	5962.1	5329.8	3106.4	1460.7	694.2	413.6	335.8	286.7	253.0	234.1
35°	6511.1	6348.1	5635.6	3125.4	1373.7	635.4	371.9	302.1	248.8	218.7	198.5
37.5°	6948.6	6745.8	5988.5	3083.7	1305.7	606.6	340.7	286.7	232.2	201.6	180.1
40°	7432.6	7203.5	6327.3	3023.7	1238.9	596.8	316.8	275.1	219.3	188.1	166.0
42.5°	7942.4	7672.2	6620.8	2960.5	1196.6	563.1	314.3	263.5	209.5	175.8	153.8
45°	8370.7	8096.8	6922.2	2939.7	1166.6	526.3	324.7	255.5	202.8	166.0	144.6
47.5°	8711.9	8452.8	7231.0	2986.3	1149.4	492.6	295.9	265.9	199.1	157.5	136.6
50°	9119.4	8825.9	7666.1	3125.4	1124.3	458.9	267.7	304.5	199.1	151.9	129.9
52.5°	9630.4	9339.9	8151.3	3341.0	1074.1	412.3	240.8	305.1	201.0	144.6	121.3
55°	10273.1	10062.3	8844.3	3577.5	993.8	343.7	208.3	262.2	193.6	131.1	113.3
57.5°	10889.5	10717.3	9476.0	3739.3	886.6	268.4	181.4	211.4	177.1	115.2	101.1
59°	11057.9	10869.8	9707.6	3746.6	806.3	234.1	167.9	174.6	173.4	107.8	93.7
60°	11057.9	10858.2	9774.3	3707.4	748.1	215.1	159.3	155.6	180.7	102.9	89.5
62.5°	10857.6	10577.0	9557.5	3442.1	610.2	183.2	139.1	128.7	162.4	92.5	79.0
65°	10441.0	10032.3	8818.5	2962.4	544.1	167.9	120.1	105.4	112.7	81.5	69.2
67.5°	9746.2	9192.3	7753.1	2393.2	517.7	163.6	103.5	89.5	85.2	69.8	60.7
70°	8522.6	7908.1	6459.7	1881.6	495.1	161.8	87.0	75.4	68.6	58.8	51.5
72.5°	6202.9	5562.1	4586.0	1471.1	481.6	165.4	69.8	63.1	56.4	46.0	39.8
75°	3548.1	3128.4	2577.6	971.7	410.5	158.1	53.9	52.7	40.4	33.1	27.6
77.5°	1833.2	1777.4	1544.6	373.1	196.7	69.2	35.5	30.6	23.9	20.2	16.5
80°	791.0	782.4	677.0	107.8	52.1	38.6	20.2	12.9	11.0	8.6	6.7
82.5°	273.3	273.3	240.8	36.1	23.3	19.0	2.5	0.0	0.0	0.0	0.0
85°	55.1	61.9	43.5	0.0	8.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9
2.5°	3674.3	3600.2	3595.3	3548.7	3490.5	3464.2	3448.9	3475.8	3508.9	3512.6	3562.2
5°	2852.1	2774.3	2806.8	2724.0	2740.6	2724.0	2697.1	2702.0	2716.7	2670.7	2727.7
7.5°	2002.9	1944.1	1981.5	1959.4	1988.8	2000.5	1983.9	1959.4	1887.1	1878.5	1928.2
10°	1509.7	1442.9	1403.1	1361.4	1370.6	1389.6	1383.5	1365.7	1319.7	1322.2	1370.0
12.5°	1213.1	1138.4	1059.4	957.0	931.9	946.0	931.9	921.5	877.4	881.1	923.3
15°	920.3	859.0	776.3	694.2	649.5	653.7	614.5	587.0	559.4	526.3	552.0
17.5°	621.3	583.9	559.4	534.9	481.6	469.3	419.7	366.4	345.6	330.2	341.3
20°	439.9	419.7	409.9	408.7	378.0	362.7	314.3	281.2	270.8	267.7	274.5
22.5°	367.6	352.9	338.8	330.9	315.5	297.8	261.0	244.5	237.1	233.4	238.3
25°	319.8	308.8	294.1	280.6	274.5	255.5	229.1	216.9	212.0	208.3	210.8
27.5°	284.3	274.5	257.3	248.8	243.9	227.3	204.6	194.8	190.5	189.3	188.7
30°	256.1	246.9	231.0	221.2	212.6	197.9	184.4	174.6	170.3	169.1	167.9
32.5°	227.9	220.6	210.2	200.4	191.2	177.7	166.0	158.1	151.3	150.1	149.5
35°	192.4	185.0	179.5	178.9	170.3	157.5	148.9	138.5	133.0	131.1	131.7
37.5°	170.9	161.1	148.9	153.2	150.7	141.5	129.9	119.5	114.0	112.7	112.7
40°	157.5	147.0	133.0	125.6	133.0	131.1	112.7	102.3	96.8	96.2	95.0
42.5°	144.6	134.2	118.3	106.0	109.7	115.2	97.4	87.6	82.1	80.9	79.0
45°	135.4	124.4	106.6	92.5	85.2	96.8	83.3	71.1	68.0	65.6	64.3
47.5°	126.8	116.4	96.2	80.3	68.0	69.8	66.8	58.2	54.5	52.1	51.5
50°	119.5	108.4	87.0	68.6	56.4	51.5	53.9	46.0	42.9	40.4	39.2
52.5°	110.9	100.5	77.2	59.4	47.2	40.4	41.1	36.1	33.1	31.2	30.6
55°	104.2	93.7	69.2	52.1	41.7	33.1	29.4	28.2	26.3	25.1	24.5
57.5°	95.0	85.2	61.3	44.1	35.5	27.0	22.7	22.7	22.1	20.8	20.2
59°	89.5	80.9	56.4	39.8	32.5	23.3	20.2	20.8	20.2	19.0	18.4
60°	85.2	77.2	52.7	36.8	30.6	21.4	18.4	19.6	19.0	17.8	17.2
62.5°	75.4	69.8	45.3	30.6	27.0	17.2	15.3	16.5	16.5	15.9	15.3
65°	66.2	60.0	38.6	25.7	25.1	14.7	12.3	14.7	15.3	14.1	12.9
67.5°	57.6	51.5	33.7	20.8	23.3	11.6	9.2	12.3	16.5	12.9	11.6
70°	49.0	42.9	26.3	16.5	24.5	8.0	7.4	11.0	19.6	14.1	11.0
72.5°	38.0	33.1	18.4	12.3	26.3	5.5	5.5	9.2	22.1	15.3	10.4
75°	26.3	21.4	11.0	7.4	21.4	3.7	3.7	8.6	20.8	14.1	9.8
77.5°	15.3	11.6	3.7	0.6	11.0	0.0	0.6	6.1	14.7	8.6	4.3
80°	5.5	2.5	0.0	0.0	6.7	0.0	0.0	0.0	1.2	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°	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9
2.5°	3575.1	3657.8	3731.9	3844.1	3977.0	4130.2	4261.9	4403.4	4536.4	4591.5	4629.5
5°	2739.4	2841.7	2961.2	3126.0	3345.3	3615.5	3868.6	4154.7	4462.3	4616.1	4760.7
7.5°	1936.7	2040.9	2189.2	2364.4	2629.7	2951.4	3282.2	3677.4	4094.0	4337.3	4576.8
10°	1392.7	1520.7	1659.2	1898.7	2168.3	2473.5	2814.1	3255.3	3719.7	3989.3	4277.8
12.5°	947.8	1093.7	1303.2	1571.6	1888.3	2187.3	2483.3	2904.2	3443.4	3710.5	4019.9
15°	568.6	649.5	871.3	1181.9	1570.3	1942.9	2267.0	2689.1	3263.8	3591.0	3912.7
17.5°	350.5	387.8	508.5	763.4	1171.5	1642.6	2086.8	2616.2	3289.6	3687.8	4032.2
20°	279.4	294.1	332.7	450.9	776.3	1311.8	1884.0	2601.5	3499.7	3989.9	4359.3
22.5°	242.6	256.7	282.5	327.8	488.3	982.2	1691.7	2615.0	3801.2	4442.7	4874.0
25°	213.8	226.1	250.6	288.0	357.8	691.7	1485.8	2675.0	4193.9	5004.5	5462.8
27.5°	191.2	201.6	224.2	258.6	307.0	482.8	1252.4	2747.9	4659.6	5579.2	6031.4
30°	170.3	179.5	199.7	231.6	266.5	371.3	996.2	2797.6	5125.8	6031.4	6437.6
32.5°	152.6	159.3	177.7	204.6	231.6	295.9	757.3	2789.6	5472.0	6407.6	6729.9
35°	134.2	140.9	156.9	180.1	201.6	244.5	595.5	2640.7	5773.4	6797.9	7064.4
37.5°	114.0	122.5	137.9	158.7	173.4	215.1	481.6	2461.2	6079.2	7243.9	7437.5
40°	96.8	105.4	118.9	141.5	150.7	204.0	370.1	2242.5	6422.9	7742.6	7846.8
42.5°	80.3	88.2	102.3	121.9	142.1	175.8	273.9	1992.5	6753.1	8169.1	8219.9
45°	64.9	72.9	87.6	107.2	151.9	145.8	212.0	1724.7	7019.7	8523.8	8540.4
47.5°	51.5	58.8	74.1	101.1	141.5	116.4	151.3	1514.6	7243.3	8800.8	8757.3
50°	39.8	46.0	61.9	115.8	123.8	96.2	114.6	1444.7	7443.6	8972.3	8859.6
52.5°	31.2	36.8	50.9	108.4	96.2	79.7	96.2	1510.3	7718.1	9114.5	8917.2
55°	25.1	30.6	39.8	61.9	65.6	67.4	82.1	1571.6	8191.8	9447.8	9257.2
57.5°	20.8	26.3	32.5	43.5	49.6	57.0	72.9	1578.3	8749.9	10001.7	9821.5
59°	19.0	23.9	29.4	38.6	43.5	52.1	68.6	1541.5	8946.6	10203.2	10113.2
60°	17.8	22.7	27.6	35.5	40.4	49.0	66.2	1506.6	8955.2	10195.9	10237.5
62.5°	15.3	20.2	24.5	30.0	34.3	41.7	59.4	1377.3	8592.5	9862.0	10162.8
65°	13.5	17.8	22.1	25.7	29.4	37.4	53.9	1141.5	7973.0	9323.4	9651.2
67.5°	12.3	15.3	20.2	22.7	26.3	33.1	47.8	813.7	7199.2	8664.8	8877.4
70°	11.0	14.7	18.4	20.8	23.9	28.8	41.1	467.5	6079.2	7700.4	7851.7
72.5°	10.4	14.1	16.5	19.6	21.4	25.7	37.4	220.0	4451.2	6168.6	6563.8
75°	9.2	12.9	15.3	18.4	20.2	23.3	31.9	105.4	2960.5	4464.1	4913.2
77.5°	5.5	10.4	14.1	16.5	17.8	20.2	26.3	60.7	1889.6	3089.8	3639.4
80°	0.0	3.7	10.4	14.1	15.3	17.2	20.2	47.8	1010.9	1765.2	2118.7
82.5°	0.0	0.0	7.4	11.0	10.4	11.6	15.3	30.0	455.8	1153.7	1300.1
85°	0.0	0.0	2.5	8.6	7.4	5.5	10.4	10.4	99.9	583.9	728.5
87.5°	0.0	0.0	0.0	0.6	3.7	2.5	4.3	1.2	0.6	43.5	176.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9	4212.9
2.5°	4762.5	4807.8	4884.4	4920.6	4902.8	4827.4	4737.4	4645.5	4591.5	4613.0
5°	5055.4	5288.8	5423.6	5468.3	5393.6	5224.5	5003.3	4711.6	4608.1	4579.9
7.5°	5055.4	5494.7	5772.8	5821.8	5655.2	5323.7	4908.9	4453.7	4302.4	4247.2
10°	4877.7	5475.7	5863.5	5941.3	5708.5	5212.8	4657.1	4137.5	3958.0	3901.0
12.5°	4677.3	5321.3	5729.9	5837.2	5646.0	5102.5	4482.5	3923.7	3712.3	3662.7
15°	4554.2	5131.3	5469.5	5547.4	5466.5	5038.2	4440.8	3859.4	3610.6	3562.8
17.5°	4598.3	4984.3	5106.2	5151.6	5206.1	5015.5	4554.2	4000.3	3685.4	3640.0
20°	4764.3	4829.3	4766.2	4823.1	4970.2	5037.6	4824.4	4341.0	3962.9	3902.3
22.5°	5046.2	4749.0	4571.9	4594.6	4773.5	5110.5	5237.3	4827.4	4391.2	4315.2
25°	5374.6	4814.0	4464.1	4443.9	4627.7	5206.7	5614.8	5356.8	4897.9	4814.0
27.5°	5787.5	4959.8	4442.0	4421.8	4576.8	5296.8	5928.5	5880.0	5431.6	5288.2
30°	6106.1	5103.1	4507.6	4461.0	4627.7	5359.3	6180.3	6324.3	5856.8	5761.8
32.5°	6334.7	5272.3	4614.2	4546.8	4771.1	5467.1	6374.5	6731.1	6250.1	6106.1
35°	6508.7	5456.1	4786.4	4675.5	4968.4	5630.7	6556.5	7164.3	6668.6	6511.1
37.5°	6671.7	5714.0	5055.4	4923.0	5277.8	5894.1	6748.9	7655.6	7136.7	6948.6
40°	6899.0	6006.3	5470.2	5352.5	5797.9	6253.2	6989.0	8167.9	7669.1	7432.6
42.5°	7126.3	6320.0	5894.8	5926.6	6446.8	6689.4	7299.1	8709.5	8194.8	7942.4
45°	7334.0	6643.5	6499.5	6646.5	7049.1	7167.9	7607.2	9022.6	8614.5	8370.7
47.5°	7519.0	7047.8	7100.5	7492.1	7734.1	7601.1	7837.6	9292.8	8927.0	8711.9
50°	7734.1	7571.1	7892.8	8446.6	8522.6	7993.2	8047.2	9612.6	9292.2	9119.4
52.5°	7969.3	8122.5	8770.1	9258.5	9233.9	8419.1	8257.9	9971.0	9792.7	9630.4
55°	8236.5	8567.9	9542.7	10018.2	9997.4	8894.5	8607.2	10414.0	10420.1	10273.1
57.5°	8632.9	8951.5	10067.2	10632.7	10667.7	9443.5	9199.0	10910.3	10987.5	10889.5
59°	8917.2	9200.2	10274.9	10889.5	11031.6	9868.1	9631.6	11198.3	11147.4	11057.9
60°	9128.0	9358.3	10377.9	11023.6	11243.0	10156.1	9950.8	11367.4	11166.4	11057.9
62.5°	9649.4	9702.7	10563.5	11175.6	11486.2	10795.7	10849.0	11655.3	11034.7	10857.6
65°	9892.6	9920.2	10561.0	10903.5	11250.9	11293.8	11663.9	11663.9	10713.0	10441.0
67.5°	9790.9	9657.9	10037.2	10001.7	10348.4	10997.9	11970.3	11236.2	10097.9	9746.2
70°	8963.7	8452.1	8283.7	8299.0	8564.3	9566.0	11363.7	9977.8	8933.7	8522.6
72.5°	7458.4	6231.1	5815.1	6289.9	6359.2	7351.7	9684.3	7514.1	6588.3	6202.9
75°	5998.9	4392.4	3716.0	4217.2	4334.8	5380.1	7491.4	4679.8	3848.3	3548.1
77.5°	4309.7	3152.9	2666.5	2631.5	2783.5	3412.1	5315.8	2355.2	1964.3	1833.2
80°	2448.3	2075.2	2234.5	2108.3	2184.9	2133.4	2525.5	1033.0	846.1	791.0
82.5°	1477.8	1226.6	1328.3	1105.9	1399.4	1218.7	973.0	330.9	287.4	273.3
85°	961.3	670.3	349.2	234.1	482.2	778.7	217.5	90.1	69.2	55.1
87.5°	331.5	170.9	17.2	7.4	51.5	145.2	8.0	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

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