

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: P324397

Luminaire Tested: **GAN-SA3B-727-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324397
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-727-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 10816 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

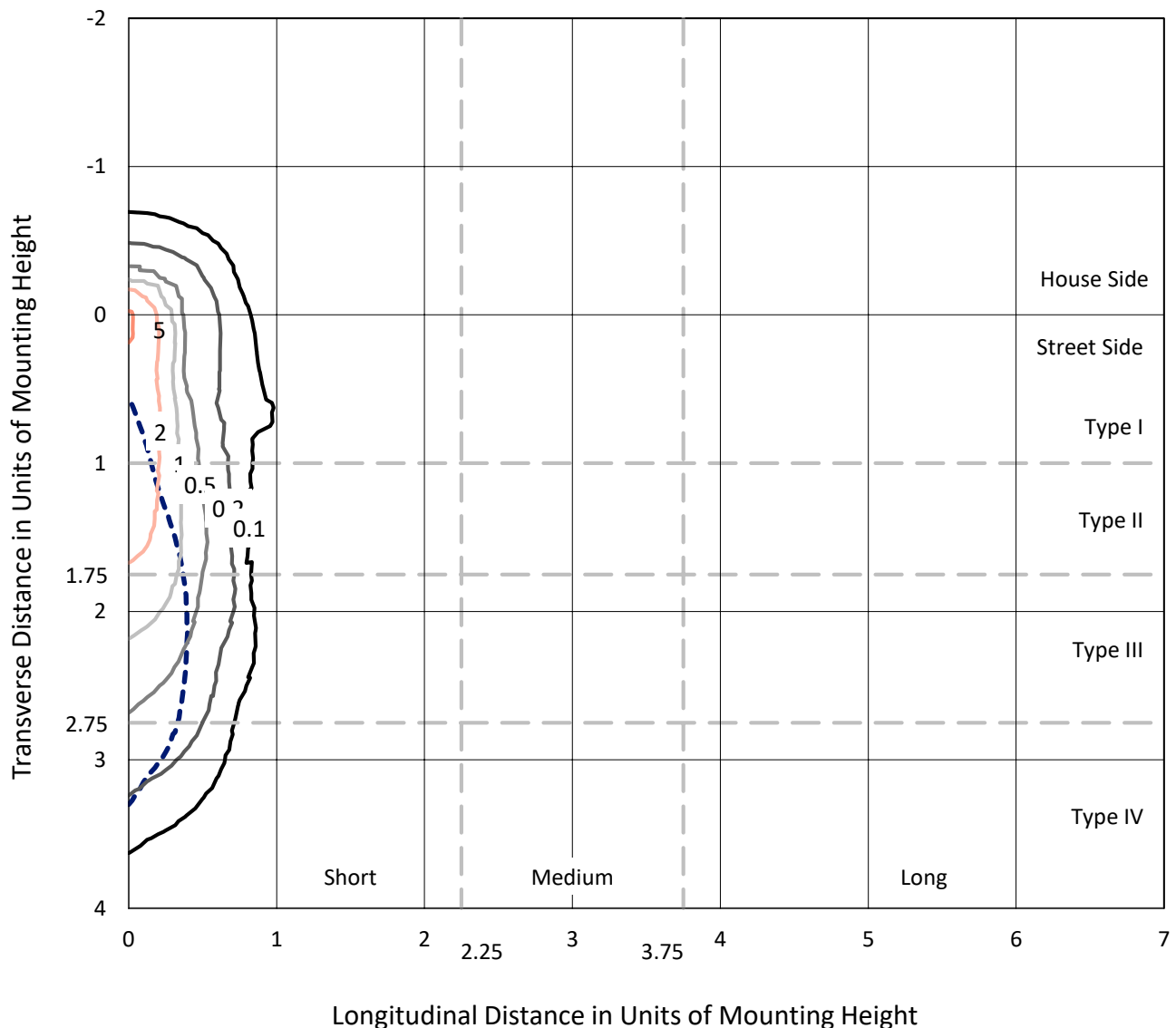
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

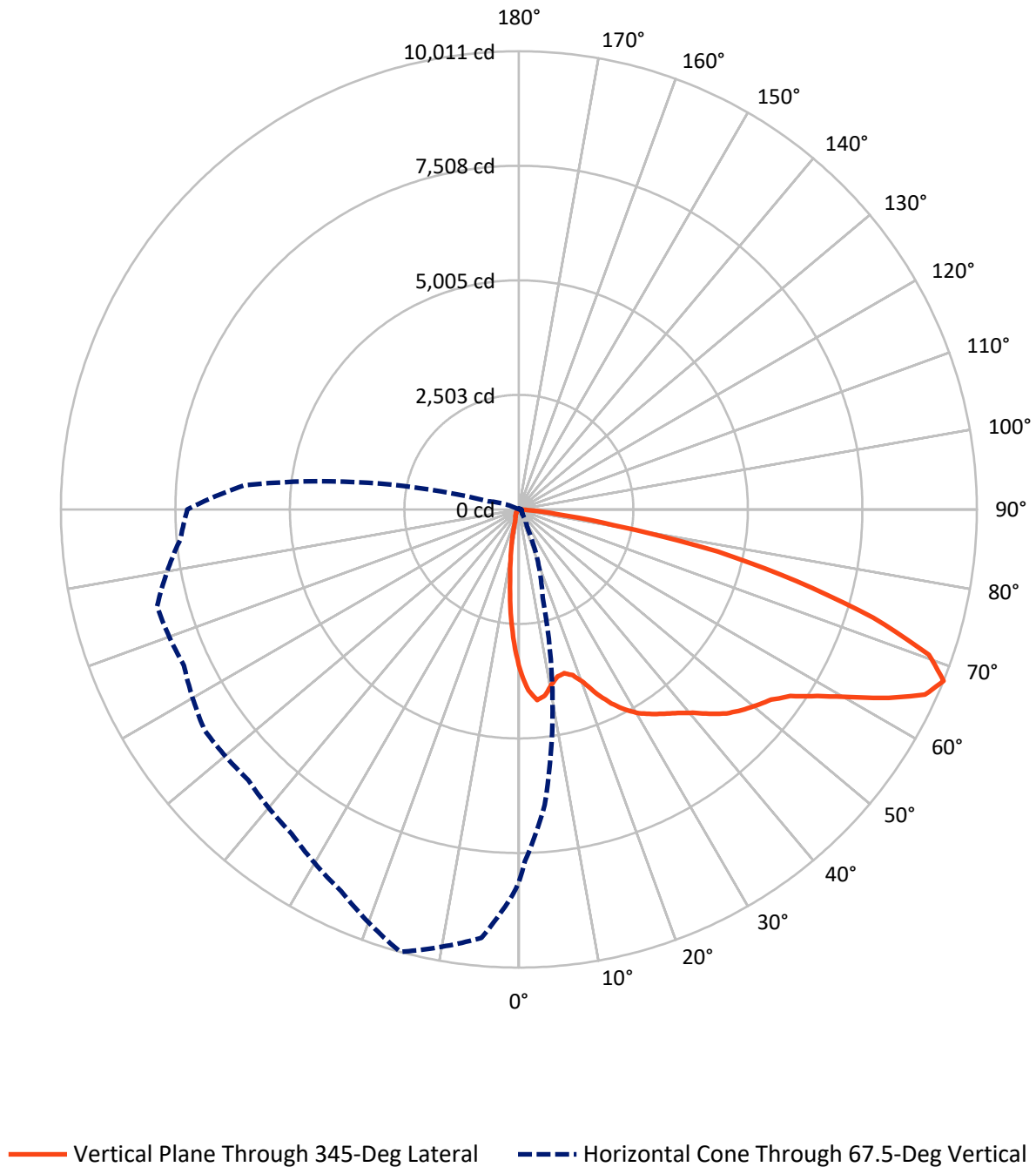
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	1309.1	0.0	1309.1
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	9506.9	0.0	9506.9
	% Fixture	87.9	0.0	87.9
Total	Lumens	10816.0	0.0	10816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.4	2.5
10°-20°	538.2	5.0
20°-30°	764.3	7.1
30°-40°	1128.9	10.4
40°-50°	1628.2	15.1
50°-60°	2285.6	21.1
60°-70°	2664.3	24.6
70°-80°	1362.1	12.6
80°-90°	173.9	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°	10816.0	100.0
0°-180°	10816.0	100.0

Coefficient of Utilization



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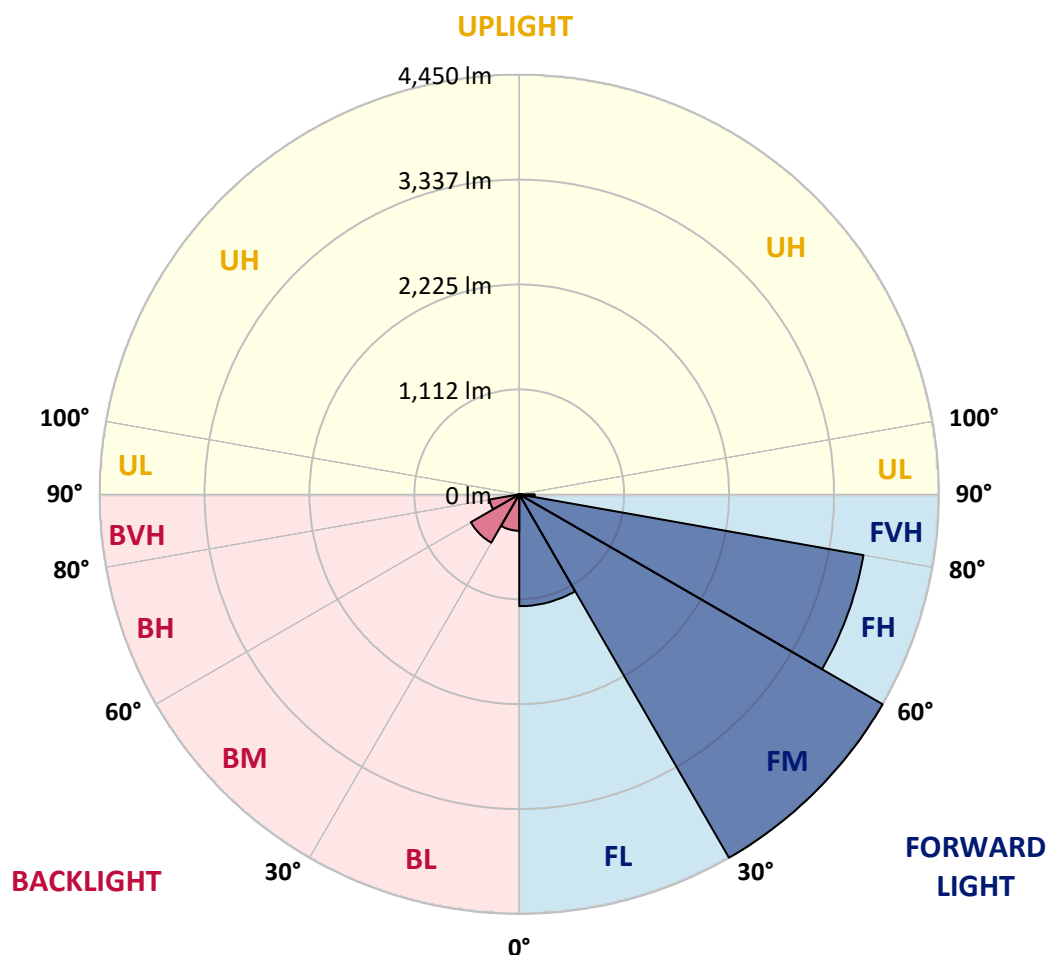
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1186.3	11.0			
FM	(30°-60°)	4449.9	41.1			
FH	(60°-80°)	3707.3	34.3			G2/5000
FVH	(80°-90°)	163.4	1.5			G2/225
BL	(0°-30°)	386.7	3.6	B1/500		
BM	(30°-60°)	592.8	5.5	B1/1000		
BH	(60°-80°)	319.1	2.9	B1/500		G1/500
BVH	(80°-90°)	10.6	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°	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3
2.5°	3857.9	3828.2	3795.4	3688.3	3588.9	3475.1	3382.4	3317.8	3236.9	3131.8	3105.2
5°	3830.2	3798.5	3695.5	3457.2	3248.6	3045.7	2850.0	2735.2	2592.8	2448.3	2412.4
7.5°	3552.0	3518.7	3370.1	3043.7	2762.9	2469.8	2215.6	2058.3	1897.4	1765.2	1695.0
10°	3262.5	3226.1	3059.1	2663.0	2317.1	2052.2	1865.7	1715.5	1563.3	1421.9	1309.2
12.5°	3063.2	3015.5	2834.1	2385.2	2083.9	1904.1	1729.9	1550.0	1344.0	1192.4	1068.4
15°	2979.6	2925.3	2733.7	2278.1	2001.5	1790.3	1563.3	1342.5	1101.2	927.5	813.7
17.5°	3044.2	2973.5	2768.0	2271.0	1897.9	1610.5	1323.5	1064.3	802.4	626.7	545.7
20°	3263.5	3170.8	2909.9	2268.9	1772.4	1396.8	1033.0	739.9	528.8	425.3	382.8
22.5°	3608.9	3486.4	3113.9	2285.3	1642.8	1172.4	746.1	502.7	397.1	343.3	318.2
25°	4026.0	3884.0	3407.5	2343.2	1529.0	954.1	542.1	397.1	335.1	295.7	274.6
27.5°	4422.6	4307.3	3778.5	2426.7	1440.9	777.8	440.2	336.6	286.4	260.3	243.4
30°	4818.7	4673.6	4159.2	2526.2	1334.8	658.4	386.9	306.9	256.7	229.0	218.3
32.5°	5106.6	4986.2	4457.4	2597.9	1221.6	580.6	345.9	280.8	239.8	211.6	195.7
35°	5445.3	5309.0	4713.1	2613.8	1148.8	531.4	311.0	252.6	208.0	182.9	166.0
37.5°	5811.2	5641.6	5008.2	2578.9	1091.9	507.3	284.9	239.8	194.2	168.6	150.6
40°	6216.0	6024.3	5291.6	2528.7	1036.1	499.1	264.9	230.1	183.4	157.3	138.9
42.5°	6642.3	6416.3	5537.0	2475.9	1000.7	470.9	262.9	220.3	175.2	147.1	128.6
45°	7000.5	6771.4	5789.1	2458.5	975.6	440.2	271.6	213.7	169.6	138.9	120.9
47.5°	7285.9	7069.1	6047.4	2497.5	961.3	412.0	247.5	222.4	166.5	131.7	114.3
50°	7626.6	7381.2	6411.2	2613.8	940.3	383.8	223.9	254.7	166.5	127.1	108.6
52.5°	8054.0	7811.1	6817.0	2794.1	898.2	344.8	201.4	255.2	168.1	120.9	101.5
55°	8591.5	8415.2	7396.6	2991.9	831.1	287.5	174.2	219.3	161.9	109.7	94.8
57.5°	9107.0	8963.0	7924.8	3127.2	741.4	224.4	151.7	176.8	148.1	96.3	84.5
59°	9247.9	9090.6	8118.5	3133.4	674.3	195.7	140.4	146.0	145.0	90.2	78.4
60°	9247.9	9080.8	8174.4	3100.6	625.6	179.9	133.2	130.2	151.2	86.1	74.8
62.5°	9080.3	8845.6	7993.0	2878.7	510.4	153.2	116.3	107.6	135.8	77.4	66.1
65°	8731.9	8390.1	7375.0	2477.5	455.0	140.4	100.4	88.1	94.3	68.1	57.9
67.5°	8150.8	7687.6	6484.0	2001.5	433.0	136.8	86.6	74.8	71.2	58.4	50.7
70°	7127.5	6613.6	5402.3	1573.6	414.0	135.3	72.8	63.0	57.4	49.2	43.0
72.5°	5187.6	4651.6	3835.3	1230.3	402.7	138.3	58.4	52.8	47.1	38.4	33.3
75°	2967.3	2616.3	2155.7	812.7	343.3	132.2	45.1	44.1	33.8	27.7	23.1
77.5°	1533.1	1486.5	1291.8	312.1	164.5	57.9	29.7	25.6	20.0	16.9	13.8
80°	661.5	654.3	566.2	90.2	43.6	32.3	16.9	10.8	9.2	7.2	5.6
82.5°	228.5	228.5	201.4	30.2	19.5	15.9	2.0	0.0	0.0	0.0	0.0
85°	46.1	51.8	36.4	0.0	6.7	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°	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3
2.5°	3072.9	3010.9	3006.8	2967.8	2919.2	2897.1	2884.3	2906.9	2934.5	2937.6	2979.1
5°	2385.2	2320.2	2347.3	2278.1	2292.0	2278.1	2255.6	2259.7	2272.0	2233.6	2281.2
7.5°	1675.0	1625.9	1657.1	1638.7	1663.3	1673.0	1659.2	1638.7	1578.2	1571.0	1612.5
10°	1262.6	1206.7	1173.4	1138.6	1146.2	1162.1	1157.0	1142.1	1103.7	1105.8	1145.7
12.5°	1014.6	952.0	885.9	800.4	779.4	791.2	779.4	770.7	733.8	736.8	772.2
15°	769.6	718.4	649.2	580.6	543.1	546.7	513.9	490.9	467.8	440.2	461.7
17.5°	519.6	488.3	467.8	447.3	402.7	392.5	351.0	306.4	289.0	276.2	285.4
20°	367.9	351.0	342.8	341.8	316.2	303.3	262.9	235.2	226.5	223.9	229.6
22.5°	307.4	295.1	283.4	276.7	263.9	249.0	218.3	204.4	198.3	195.2	199.3
25°	267.5	258.3	246.0	234.7	229.6	213.7	191.6	181.4	177.3	174.2	176.3
27.5°	237.8	229.6	215.2	208.0	203.9	190.1	171.1	162.9	159.4	158.3	157.8
30°	214.2	206.5	193.2	185.0	177.8	165.5	154.2	146.0	142.4	141.4	140.4
32.5°	190.6	184.5	175.8	167.6	159.9	148.6	138.9	132.2	126.6	125.5	125.0
35°	160.9	154.7	150.1	149.6	142.4	131.7	124.5	115.8	111.2	109.7	110.2
37.5°	143.0	134.8	124.5	128.1	126.1	118.4	108.6	99.9	95.3	94.3	94.3
40°	131.7	123.0	111.2	105.0	111.2	109.7	94.3	85.6	81.0	80.4	79.4
42.5°	120.9	112.2	98.9	88.6	91.7	96.3	81.5	73.3	68.7	67.6	66.1
45°	113.2	104.0	89.2	77.4	71.2	81.0	69.7	59.4	56.9	54.8	53.8
47.5°	106.1	97.4	80.4	67.1	56.9	58.4	55.9	48.7	45.6	43.6	43.0
50°	99.9	90.7	72.8	57.4	47.1	43.0	45.1	38.4	35.9	33.8	32.8
52.5°	92.7	84.0	64.6	49.7	39.5	33.8	34.3	30.2	27.7	26.1	25.6
55°	87.1	78.4	57.9	43.6	34.8	27.7	24.6	23.6	22.0	21.0	20.5
57.5°	79.4	71.2	51.2	36.9	29.7	22.5	19.0	19.0	18.4	17.4	16.9
59°	74.8	67.6	47.1	33.3	27.2	19.5	16.9	17.4	16.9	15.9	15.4
60°	71.2	64.6	44.1	30.7	25.6	17.9	15.4	16.4	15.9	14.9	14.3
62.5°	63.0	58.4	37.9	25.6	22.5	14.3	12.8	13.8	13.8	13.3	12.8
65°	55.3	50.2	32.3	21.5	21.0	12.3	10.2	12.3	12.8	11.8	10.8
67.5°	48.2	43.0	28.2	17.4	19.5	9.7	7.7	10.2	13.8	10.8	9.7
70°	41.0	35.9	22.0	13.8	20.5	6.7	6.1	9.2	16.4	11.8	9.2
72.5°	31.8	27.7	15.4	10.2	22.0	4.6	4.6	7.7	18.4	12.8	8.7
75°	22.0	17.9	9.2	6.1	17.9	3.1	3.1	7.2	17.4	11.8	8.2
77.5°	12.8	9.7	3.1	0.5	9.2	0.0	0.5	5.1	12.3	7.2	3.6
80°	4.6	2.0	0.0	0.0	5.6	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°	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3
2.5°	2989.9	3059.1	3121.1	3214.8	3326.0	3454.1	3564.3	3682.6	3793.8	3840.0	3871.7
5°	2291.0	2376.5	2476.4	2614.3	2797.7	3023.7	3235.3	3474.6	3731.8	3860.5	3981.4
7.5°	1619.7	1706.8	1830.8	1977.4	2199.2	2468.3	2744.9	3075.5	3423.9	3627.3	3827.7
10°	1164.7	1271.8	1387.6	1587.9	1813.4	2068.6	2353.5	2722.4	3110.8	3336.3	3577.6
12.5°	792.7	914.6	1089.9	1314.3	1579.2	1829.3	2076.8	2428.8	2879.7	3103.1	3361.9
15°	475.5	543.1	728.6	988.4	1313.3	1624.8	1895.9	2248.9	2729.6	3003.2	3272.2
17.5°	293.1	324.4	425.3	638.5	979.7	1373.8	1745.2	2188.0	2751.1	3084.2	3372.1
20°	233.7	246.0	278.2	377.1	649.2	1097.1	1575.6	2175.7	2926.9	3336.8	3645.8
22.5°	202.9	214.7	236.2	274.1	408.4	821.4	1414.7	2186.9	3179.0	3715.4	4076.2
25°	178.8	189.1	209.6	240.8	299.2	578.5	1242.6	2237.2	3507.4	4185.3	4568.6
27.5°	159.9	168.6	187.5	216.2	256.7	403.8	1047.4	2298.1	3896.8	4666.0	5044.1
30°	142.4	150.1	167.0	193.7	222.9	310.5	833.2	2339.6	4286.8	5044.1	5383.8
32.5°	127.6	133.2	148.6	171.1	193.7	247.5	633.3	2333.0	4576.3	5358.7	5628.2
35°	112.2	117.9	131.2	150.6	168.6	204.4	498.1	2208.5	4828.4	5685.1	5908.0
37.5°	95.3	102.5	115.3	132.7	145.0	179.9	402.7	2058.3	5084.1	6058.2	6220.1
40°	81.0	88.1	99.4	118.4	126.1	170.6	309.5	1875.4	5371.5	6475.3	6562.4
42.5°	67.1	73.8	85.6	102.0	118.9	147.1	229.0	1666.3	5647.7	6831.9	6874.4
45°	54.3	61.0	73.3	89.7	127.1	122.0	177.3	1442.4	5870.6	7128.6	7142.4
47.5°	43.0	49.2	62.0	84.5	118.4	97.4	126.6	1266.7	6057.6	7360.2	7323.8
50°	33.3	38.4	51.8	96.8	103.5	80.4	95.8	1208.2	6225.2	7503.6	7409.4
52.5°	26.1	30.7	42.5	90.7	80.4	66.6	80.4	1263.1	6454.8	7622.5	7457.5
55°	21.0	25.6	33.3	51.8	54.8	56.4	68.7	1314.3	6850.8	7901.3	7741.9
57.5°	17.4	22.0	27.2	36.4	41.5	47.7	61.0	1320.0	7317.6	8364.5	8213.8
59°	15.9	20.0	24.6	32.3	36.4	43.6	57.4	1289.2	7482.1	8533.1	8457.7
60°	14.9	19.0	23.1	29.7	33.8	41.0	55.3	1260.0	7489.3	8526.9	8561.8
62.5°	12.8	16.9	20.5	25.1	28.7	34.8	49.7	1151.9	7186.0	8247.7	8499.3
65°	11.3	14.9	18.4	21.5	24.6	31.3	45.1	954.6	6667.9	7797.3	8071.4
67.5°	10.2	12.8	16.9	19.0	22.0	27.7	40.0	680.5	6020.8	7246.4	7424.2
70°	9.2	12.3	15.4	17.4	20.0	24.1	34.3	391.0	5084.1	6439.9	6566.5
72.5°	8.7	11.8	13.8	16.4	17.9	21.5	31.3	184.0	3722.6	5158.9	5489.4
75°	7.7	10.8	12.8	15.4	16.9	19.5	26.6	88.1	2475.9	3733.4	4109.0
77.5°	4.6	8.7	11.8	13.8	14.9	16.9	22.0	50.7	1580.3	2584.1	3043.7
80°	0.0	3.1	8.7	11.8	12.8	14.3	16.9	40.0	845.5	1476.2	1771.9
82.5°	0.0	0.0	6.1	9.2	8.7	9.7	12.8	25.1	381.2	964.9	1087.3
85°	0.0	0.0	2.0	7.2	6.1	4.6	8.7	8.7	83.5	488.3	609.2
87.5°	0.0	0.0	0.0	0.5	3.1	2.0	3.6	1.0	0.5	36.4	147.6
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3	3523.3
2.5°	3982.9	4020.8	4084.9	4115.1	4100.3	4037.2	3961.9	3885.0	3840.0	3857.9
5°	4227.8	4423.1	4535.8	4573.2	4510.7	4369.3	4184.3	3940.4	3853.8	3830.2
7.5°	4227.8	4595.2	4827.9	4868.9	4729.5	4452.3	4105.4	3724.7	3598.1	3552.0
10°	4079.3	4579.4	4903.7	4968.8	4774.1	4359.5	3894.8	3460.3	3310.1	3262.5
12.5°	3911.7	4450.2	4792.0	4881.7	4721.8	4267.3	3748.7	3281.4	3104.7	3063.2
15°	3808.7	4291.4	4574.2	4639.3	4571.7	4213.5	3713.9	3227.6	3019.6	2979.6
17.5°	3845.6	4168.4	4270.4	4308.3	4353.9	4194.5	3808.7	3345.5	3082.1	3044.2
20°	3984.5	4038.8	3986.0	4033.6	4156.6	4213.0	4034.7	3630.4	3314.2	3263.5
22.5°	4220.2	3971.6	3823.6	3842.5	3992.1	4274.0	4380.0	4037.2	3672.4	3608.9
25°	4494.8	4026.0	3733.4	3716.5	3870.2	4354.4	4695.7	4480.0	4096.2	4026.0
27.5°	4840.2	4147.9	3714.9	3698.0	3827.7	4429.7	4958.0	4917.5	4542.5	4422.6
30°	5106.6	4267.8	3769.8	3730.8	3870.2	4482.0	5168.6	5289.0	4898.1	4818.7
32.5°	5297.7	4409.2	3858.9	3802.6	3990.1	4572.2	5331.1	5629.3	5227.0	5106.6
35°	5443.3	4563.0	4002.9	3910.2	4155.1	4709.0	5483.2	5991.5	5577.0	5445.3
37.5°	5579.6	4778.7	4227.8	4117.2	4413.9	4929.3	5644.1	6402.5	5968.5	5811.2
40°	5769.7	5023.1	4574.7	4476.4	4848.9	5229.6	5845.0	6830.9	6413.8	6216.0
42.5°	5959.8	5285.5	4929.8	4956.5	5391.5	5594.4	6104.3	7283.8	6853.4	6642.3
45°	6133.5	5556.0	5435.6	5558.6	5895.2	5994.6	6362.0	7545.7	7204.4	7000.5
47.5°	6288.2	5894.2	5938.3	6265.7	6468.1	6356.9	6554.7	7771.6	7465.7	7285.9
50°	6468.1	6331.8	6600.8	7064.0	7127.5	6684.8	6729.9	8039.1	7771.1	7626.6
52.5°	6664.8	6792.9	7334.6	7742.9	7722.4	7040.9	6906.2	8338.9	8189.8	8054.0
55°	6888.3	7165.5	7980.7	8378.3	8360.9	7438.6	7198.3	8709.3	8714.5	8591.5
57.5°	7219.8	7486.2	8419.3	8892.3	8921.5	7897.7	7693.2	9124.4	9188.9	9107.0
59°	7457.5	7694.3	8593.0	9107.0	9225.8	8252.8	8055.0	9365.2	9322.7	9247.9
60°	7633.8	7826.5	8679.1	9219.2	9402.6	8493.6	8322.0	9506.6	9338.6	9247.9
62.5°	8069.9	8114.4	8834.4	9346.3	9606.0	9028.6	9073.1	9747.5	9228.4	9080.3
65°	8273.3	8296.3	8832.3	9118.7	9409.3	9445.1	9754.6	9754.6	8959.4	8731.9
67.5°	8188.2	8077.0	8394.2	8364.5	8654.5	9197.7	10010.8	9397.0	8444.9	8150.8
70°	7496.5	7068.6	6927.7	6940.5	7162.4	8000.2	9503.6	8344.5	7471.4	7127.5
72.5°	6237.5	5211.2	4863.2	5260.3	5318.2	6148.3	8099.1	6284.1	5509.9	5187.6
75°	5017.0	3673.4	3107.7	3526.9	3625.3	4499.4	6265.2	3913.7	3218.4	2967.3
77.5°	3604.3	2636.8	2230.0	2200.8	2327.9	2853.6	4445.6	1969.7	1642.8	1533.1
80°	2047.6	1735.5	1868.7	1763.2	1827.2	1784.2	2112.1	863.9	707.6	661.5
82.5°	1235.9	1025.8	1110.9	924.9	1170.3	1019.2	813.7	276.7	240.3	228.5
85°	804.0	560.6	292.1	195.7	403.3	651.3	181.9	75.3	57.9	46.1
87.5°	277.2	143.0	14.3	6.1	43.0	121.4	6.7	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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