

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: P324237

Luminaire Tested: **GAN-SA3B-760-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-760-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12934 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - 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

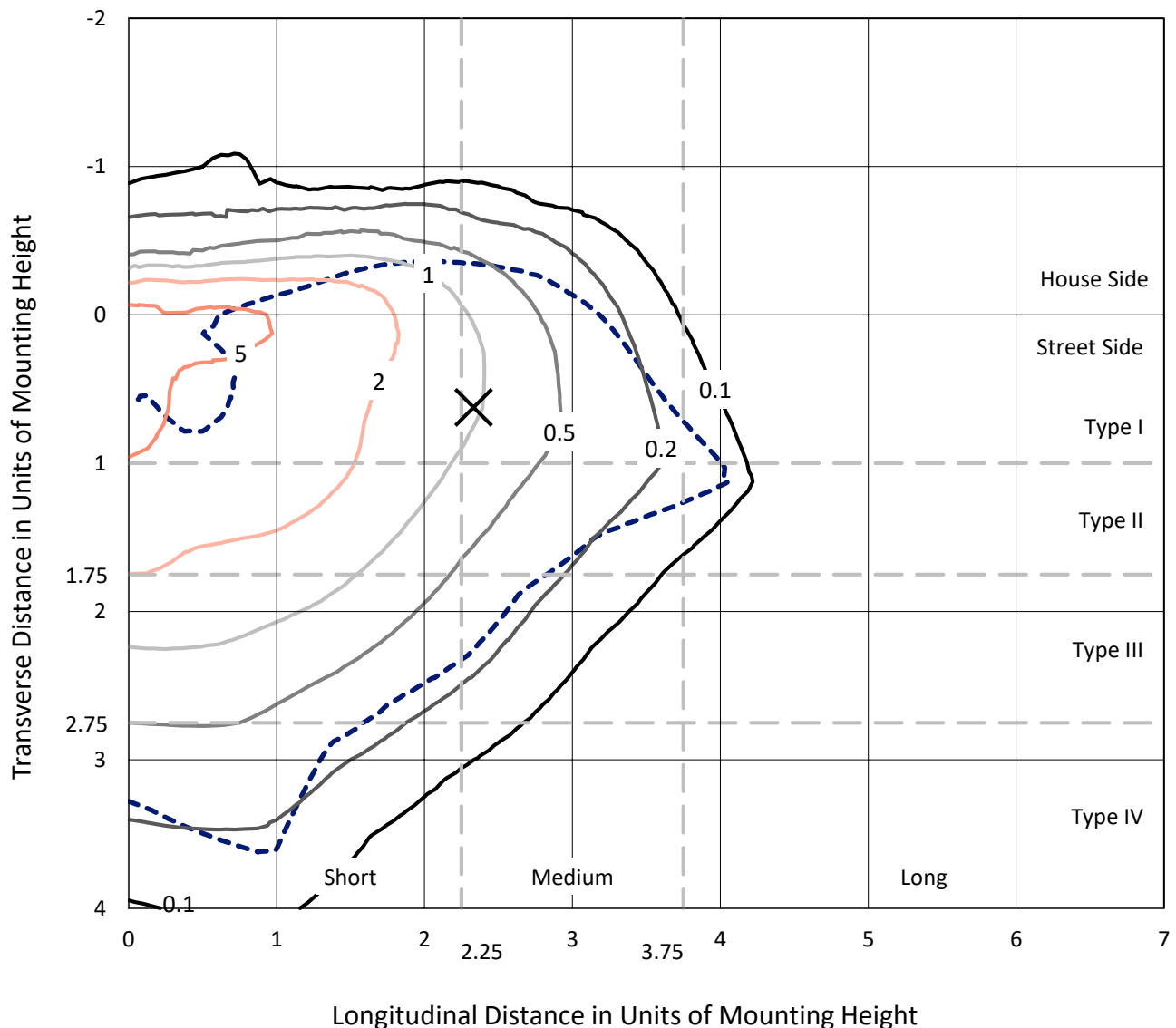


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Iso-Footcandle Lines of Horizontal Illumination

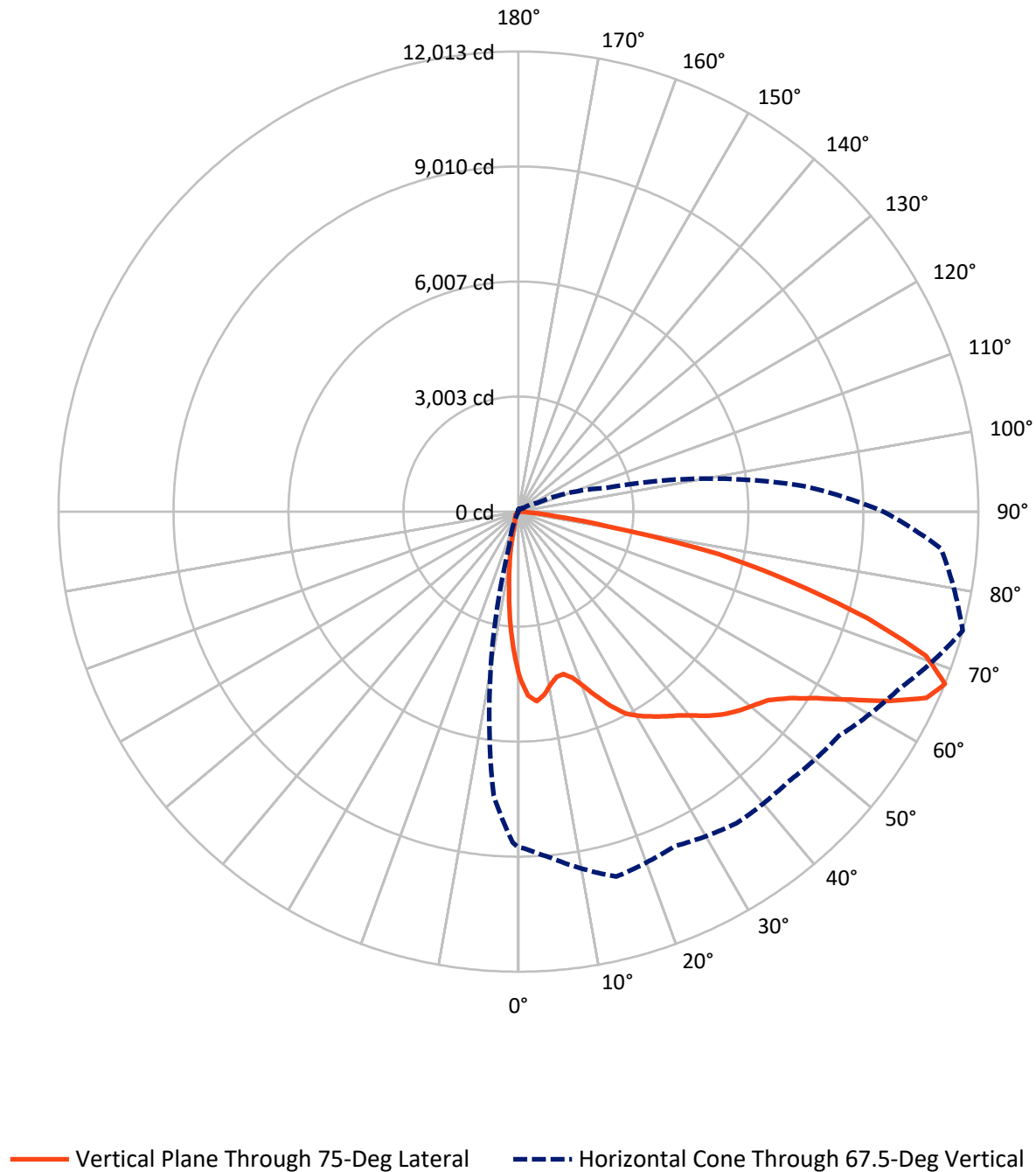
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1940.9	0.0	1940.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	10993.1	0.0	10993.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	12934.0	0.0	12934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.1	2.5
10°-20°	648.1	5.0
20°-30°	916.9	7.1
30°-40°	1348.0	10.4
40°-50°	1937.6	15.0
50°-60°	2727.6	21.1
60°-70°	3185.6	24.6
70°-80°	1625.2	12.6
80°-90°	215.9	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°	12934.0	100.0
0°-180°	12934.0	100.0

Coefficient of Utilization



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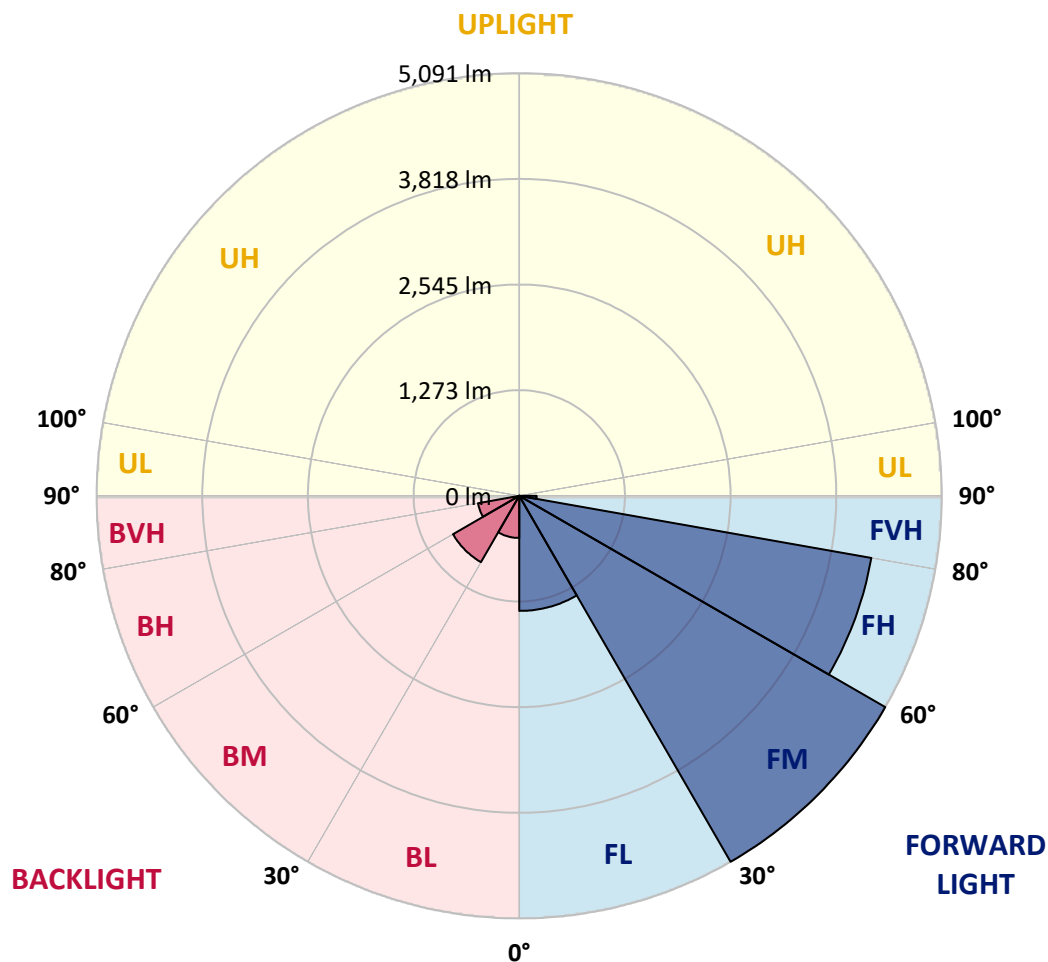
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1386.5	10.7			
FM	(30°-60°)	5090.6	39.4			
FH	(60°-80°)	4306.7	33.3			G2/5000
FVH	(80°-90°)	209.3	1.6			G2/225
BL	(0°-30°)	507.6	3.9	B2/1000		
BM	(30°-60°)	922.6	7.1	B1/1000		
BH	(60°-80°)	504.1	3.9	B2/1000		G2/1000
BVH	(80°-90°)	6.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1
2.5°	4703.7	4711.0	4749.0	4837.3	4933.5	4940.8	5005.8	4939.0	4916.3	4808.5	4697.0
5°	4739.2	4767.4	4897.9	5157.1	5381.9	5454.2	5505.7	5374.6	5236.7	4973.3	4692.1
7.5°	4453.1	4500.3	4705.5	5192.0	5593.9	5771.6	5805.3	5600.1	5262.5	4828.7	4405.9
10°	4086.7	4140.6	4388.2	4986.1	5538.2	5842.7	5889.3	5620.3	5135.0	4594.6	4096.5
12.5°	3790.2	3853.3	4106.3	4754.5	5346.4	5683.4	5775.3	5552.3	5024.7	4428.6	3885.1
15°	3653.5	3725.8	3991.7	4605.0	5133.8	5399.1	5475.1	5378.9	4963.5	4402.2	3836.1
17.5°	3732.0	3810.4	4084.9	4617.9	4934.1	5047.4	5108.7	5147.9	4963.5	4560.9	3979.5
20°	4053.6	4138.2	4428.6	4748.4	4768.6	4726.4	4791.9	4929.8	5021.1	4862.4	4323.8
22.5°	4498.4	4597.7	4925.5	4972.1	4687.8	4527.8	4536.4	4752.7	5125.8	5244.7	4801.7
25°	5040.7	5162.0	5495.3	5305.4	4721.5	4409.6	4406.5	4606.9	5228.2	5627.6	5334.2
27.5°	5579.2	5712.8	6005.7	5712.2	4860.5	4388.2	4382.0	4562.8	5328.0	5968.3	5915.6
30°	6030.8	6160.7	6413.1	6006.9	5010.7	4438.4	4409.0	4609.9	5387.5	6189.5	6339.6
32.5°	6398.4	6502.6	6706.6	6209.7	5171.2	4535.8	4472.1	4736.2	5488.6	6376.4	6729.3
35°	6802.8	6912.5	6994.0	6402.7	5351.3	4676.1	4584.8	4936.5	5644.2	6566.3	7156.3
37.5°	7264.2	7373.2	7363.4	6579.2	5579.9	4908.3	4850.1	5253.9	5886.2	6754.4	7633.0
40°	7715.7	7827.2	7747.6	6772.2	5848.2	5291.3	5248.4	5730.6	6210.3	6995.2	8191.8
42.5°	8138.5	8259.2	8088.9	6954.7	6168.0	5774.1	5847.6	6344.5	6615.9	7291.7	8673.4
45°	8479.1	8602.3	8375.0	7132.4	6505.0	6359.8	6581.0	7024.6	7103.6	7542.3	8998.7
47.5°	8726.7	8843.1	8573.5	7310.1	6936.4	7076.1	7461.5	7737.8	7544.2	7759.8	9229.7
50°	8884.8	8975.4	8631.7	7532.5	7502.5	7911.8	8378.7	8513.5	7959.0	7955.9	9510.3
52.5°	8985.2	9026.3	8674.6	7764.7	8093.1	8821.6	9276.9	9319.2	8386.0	8171.6	9888.4
55°	9331.4	9364.5	8978.5	8046.0	8581.5	9618.8	10089.3	10050.1	8869.4	8593.7	10334.4
57.5°	9922.1	9957.0	9606.5	8450.3	8976.7	10111.4	10678.1	10748.6	9436.2	9186.8	10812.3
60°	10218.6	10283.5	10158.6	8962.6	9359.6	10426.3	11079.4	11304.3	10144.5	9968.6	11275.5
62.5°	9949.6	10044.0	10225.3	9530.5	9740.1	10599.7	11204.4	11503.4	10869.9	10879.7	11561.0
65°	9412.9	9488.3	9795.8	9841.8	9960.7	10578.3	10895.6	11225.3	11314.1	11716.6	11545.7
67.5°	8764.7	8792.8	9053.9	9866.3	9640.8	9933.7	9968.0	10211.9	10963.0	12013.2	11081.9
70°	7831.5	7846.8	8074.8	9045.9	8284.9	8349.3	8298.4	8348.0	9425.2	11290.8	9911.0
72.5°	6302.8	6341.4	6665.6	7512.3	6035.7	5850.1	6249.5	6227.5	7258.6	9539.1	7361.0
75°	4640.6	4707.4	5196.9	6051.0	4236.2	3831.8	4123.5	4201.3	5160.2	7378.7	4603.2
77.5°	3249.1	3298.8	3773.0	4448.2	3065.9	2740.0	2634.6	2727.1	3406.0	5337.8	2319.1
80°	1871.8	1890.2	2192.9	2568.4	2066.0	2363.8	2141.4	2205.1	2040.9	2374.8	997.5
82.5°	1224.8	1227.8	1346.1	1528.7	1286.7	1495.0	1106.5	1414.7	1255.4	954.0	324.7
85°	661.7	665.4	780.6	1085.1	728.5	411.7	242.0	496.9	776.3	218.7	88.8
87.5°	72.9	66.8	235.3	394.6	202.2	37.4	12.9	55.8	124.4	14.1	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°	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1
2.5°	4640.0	4589.1	4462.3	4328.1	4220.3	4119.2	4017.5	3893.1	3796.9	3777.3	3745.4
5°	4540.7	4379.6	4113.7	3846.5	3631.5	3360.0	3187.9	3053.7	2922.6	2914.6	2888.3
7.5°	4193.9	3981.9	3607.6	3238.1	2935.4	2676.9	2415.9	2241.3	2104.0	2055.6	2026.8
10°	3860.6	3622.3	3154.8	2733.3	2463.1	2234.5	2050.7	1868.1	1702.7	1588.7	1537.3
12.5°	3627.8	3364.3	2849.1	2485.7	2292.1	2075.2	1851.0	1623.0	1432.5	1295.2	1211.3
15°	3537.7	3256.5	2746.7	2387.7	2148.7	1874.2	1587.5	1327.1	1115.7	991.3	916.0
17.5°	3644.9	3317.8	2738.8	2268.2	1934.3	1593.0	1276.3	968.7	769.6	675.2	626.8
20°	3917.0	3512.6	2735.7	2121.8	1679.4	1259.7	864.5	637.2	516.5	463.8	441.1
22.5°	4301.8	3761.4	2760.2	1977.2	1414.1	900.1	596.8	468.1	406.2	378.0	365.2
25°	4796.8	4110.6	2829.4	1846.1	1164.7	671.5	465.0	392.1	348.6	326.6	317.4
27.5°	5324.4	4512.5	2937.3	1732.1	961.9	535.5	398.3	335.8	304.5	289.2	280.6
30°	5759.4	4978.2	3046.3	1605.3	814.9	466.9	364.6	306.3	270.2	260.4	252.4
32.5°	6139.9	5330.5	3123.5	1490.7	718.7	414.8	329.6	273.9	249.4	230.4	221.8
35°	6533.8	5624.0	3121.1	1410.4	652.5	375.6	300.2	245.1	215.7	193.6	186.9
37.5°	6960.3	5955.4	3067.8	1341.8	623.7	344.3	283.7	229.8	200.4	178.3	169.7
40°	7459.6	6303.4	3013.3	1277.5	615.8	319.2	272.0	217.5	186.3	164.8	156.2
42.5°	7946.1	6617.2	2965.5	1229.7	581.5	318.6	261.6	208.3	175.2	154.4	144.6
45°	8335.2	6909.4	2956.3	1200.9	545.3	329.6	256.1	202.2	166.7	145.8	136.6
47.5°	8658.7	7226.8	3015.1	1180.7	511.0	300.8	269.6	197.9	158.7	138.5	128.1
50°	9043.4	7616.5	3153.6	1147.6	474.8	270.8	308.8	199.1	151.9	131.1	120.1
52.5°	9580.2	8155.6	3357.0	1091.8	425.2	243.2	303.9	200.4	144.6	123.2	112.1
55°	10181.8	8829.0	3575.7	999.3	356.0	207.1	260.4	191.8	130.5	114.6	104.2
57.5°	10814.1	9439.9	3705.6	889.0	283.1	178.9	208.3	174.6	115.2	102.9	96.2
60°	10913.4	9672.1	3646.2	753.6	224.9	155.6	154.4	177.7	102.9	90.7	85.8
62.5°	10666.5	9380.4	3358.8	632.9	188.1	136.6	126.8	155.0	93.1	80.9	76.0
65°	10191.6	8591.9	2893.2	570.4	174.6	117.0	105.4	109.1	81.5	70.5	66.2
67.5°	9531.1	7539.3	2375.4	534.9	172.8	100.5	90.1	82.7	70.5	61.3	57.6
70°	8180.8	6280.8	1895.1	515.3	167.9	84.6	76.0	67.4	58.8	52.1	49.0
72.5°	6021.0	4450.6	1474.2	493.8	169.1	67.4	66.2	55.8	47.2	40.4	39.2
75°	3478.9	2542.7	966.8	400.1	161.1	52.1	55.1	39.2	33.1	28.2	28.2
77.5°	1854.0	1550.7	368.2	166.7	58.8	33.1	31.2	23.3	20.8	17.2	16.5
80°	808.2	682.5	110.9	46.6	32.5	17.8	11.6	10.4	9.2	7.4	6.7
82.5°	286.1	246.9	36.1	22.7	14.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	64.9	46.6	0.0	5.5	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°	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1
2.5°	3680.5	3667.0	3587.4	3590.4	3604.5	3624.7	3576.9	3599.0	3658.4	3715.4	3736.9
5°	2846.0	2849.1	2800.6	2830.7	2857.6	2876.0	2798.8	2800.0	2847.2	2911.5	2945.2
7.5°	2005.4	2000.5	2002.9	2074.6	2125.5	2088.7	2117.5	2017.6	2023.7	2069.7	2035.4
10°	1490.7	1423.3	1385.3	1439.2	1495.0	1474.8	1425.1	1392.7	1415.3	1466.2	1462.5
12.5°	1171.5	1074.7	1017.7	979.1	1025.0	987.1	985.8	957.6	927.0	932.5	1014.0
15°	881.1	810.6	743.2	681.3	680.1	667.2	601.7	528.1	522.0	525.7	568.0
17.5°	606.0	582.1	554.5	501.2	487.1	433.2	369.5	340.0	325.3	332.1	346.2
20°	425.8	416.6	419.7	390.9	370.7	319.2	281.8	270.2	267.7	274.5	281.2
22.5°	352.9	336.4	334.5	321.7	301.4	264.1	243.9	237.1	234.1	240.2	245.1
25°	308.8	292.3	285.5	277.6	256.1	230.4	218.1	212.0	208.9	212.6	215.7
27.5°	272.0	256.7	250.6	245.1	224.2	205.9	196.1	190.5	188.1	189.3	192.4
30°	244.5	231.0	223.0	216.3	198.5	185.6	177.1	171.6	169.1	169.1	172.2
32.5°	215.7	208.3	201.0	192.4	175.8	167.3	158.7	152.6	150.1	150.7	153.2
35°	179.5	177.1	178.9	170.9	156.9	149.5	140.9	134.2	132.3	133.0	135.4
37.5°	159.3	148.3	155.0	150.7	142.8	133.0	121.9	115.8	112.7	114.6	115.8
40°	146.4	133.0	128.1	132.3	131.1	115.2	105.4	99.3	96.8	97.4	98.6
42.5°	135.4	119.5	108.4	107.8	115.2	100.5	90.1	84.6	81.5	81.5	82.7
45°	125.0	107.8	94.4	83.9	96.8	85.2	75.4	70.5	66.8	66.8	67.4
47.5°	117.0	98.0	82.1	68.6	72.9	69.8	61.9	57.0	53.3	53.3	53.9
50°	109.7	88.2	71.1	57.6	54.5	57.6	50.2	44.7	42.3	41.7	42.9
52.5°	101.7	78.4	60.7	49.0	42.9	43.5	39.2	35.5	32.5	32.5	33.7
55°	93.7	70.5	52.7	41.7	35.5	32.5	31.2	28.8	26.3	26.3	27.6
57.5°	85.8	61.9	44.7	34.3	28.2	25.7	25.7	23.9	22.1	22.1	23.3
60°	78.4	53.3	36.8	28.2	22.1	21.4	22.1	20.2	19.0	19.0	20.2
62.5°	69.8	45.3	30.0	23.3	17.8	17.2	19.0	17.8	16.5	16.5	17.8
65°	59.4	38.6	23.9	17.8	13.5	13.5	15.9	14.7	13.5	13.5	14.7
67.5°	50.2	32.5	18.4	12.9	9.8	10.4	13.5	12.3	11.6	11.6	12.9
70°	41.7	25.1	12.9	8.0	5.5	8.0	10.4	10.4	10.4	10.4	11.6
72.5°	31.2	17.2	7.4	3.1	2.5	5.5	8.6	9.8	9.2	9.2	11.0
75°	20.2	9.8	2.5	0.0	0.0	3.1	6.7	8.0	8.0	7.4	9.2
77.5°	11.6	3.1	0.0	0.0	0.0	0.0	4.3	3.7	3.1	2.5	4.3
80°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1	4339.1
2.5°	3823.2	3895.5	3997.2	4105.1	4271.1	4402.9	4532.1	4643.0	4685.9	4703.7
5°	3026.1	3132.1	3281.0	3472.2	3771.8	4041.4	4314.6	4589.7	4709.2	4739.2
7.5°	2171.4	2306.8	2496.1	2735.7	3086.8	3436.0	3817.7	4221.5	4406.5	4453.1
10°	1607.1	1772.5	1989.4	2241.9	2577.0	2936.1	3352.1	3813.4	4024.8	4086.7
12.5°	1140.2	1363.9	1654.3	1961.3	2251.7	2572.1	2993.0	3501.6	3723.4	3790.2
15°	669.7	886.0	1229.7	1640.8	2012.7	2337.4	2765.1	3341.7	3586.1	3653.5
17.5°	384.2	492.0	751.8	1210.1	1714.9	2164.7	2693.4	3381.5	3669.5	3732.0
20°	293.5	327.8	433.2	779.4	1366.9	1994.9	2693.4	3607.0	3961.7	4053.6
22.5°	256.7	281.8	324.7	465.0	1006.1	1813.0	2724.7	3932.9	4396.7	4498.4
25°	227.9	250.6	287.4	349.9	686.2	1596.7	2798.8	4333.0	4908.9	5040.7
27.5°	204.0	225.5	258.6	306.3	469.3	1335.7	2898.7	4802.3	5473.9	5579.2
30°	182.6	202.8	232.8	266.5	362.1	1039.8	2983.8	5244.7	5917.4	6030.8
32.5°	162.4	180.7	207.7	232.8	296.5	768.9	2993.0	5595.2	6285.7	6398.4
35°	143.4	159.9	184.4	204.0	245.7	607.2	2850.3	5899.1	6653.9	6802.8
37.5°	125.0	140.9	162.4	177.1	216.3	495.1	2632.2	6237.9	7126.3	7264.2
40°	107.8	121.9	144.0	153.8	204.6	380.5	2395.0	6593.3	7589.5	7715.7
42.5°	91.9	105.4	126.8	145.8	179.5	284.3	2138.9	6926.6	8006.1	8138.5
45°	76.6	90.7	112.1	154.4	148.9	212.6	1865.1	7147.7	8335.2	8479.1
47.5°	61.9	77.8	107.2	147.0	118.9	156.2	1648.2	7357.3	8584.5	8726.7
50°	49.6	65.6	120.7	131.1	97.4	119.5	1557.5	7544.8	8748.1	8884.8
52.5°	40.4	55.1	114.0	100.5	81.5	98.6	1606.5	7848.7	8899.5	8985.2
55°	33.7	43.5	68.6	69.8	69.2	83.9	1667.2	8284.9	9291.0	9331.4
57.5°	29.4	34.9	47.8	53.9	58.2	74.7	1668.4	8911.1	9896.9	9922.1
60°	25.1	30.6	39.8	43.5	50.2	66.8	1607.7	9129.8	10135.3	10218.6
62.5°	22.1	27.0	33.1	36.1	42.3	60.0	1465.6	8813.1	9808.1	9949.6
65°	19.6	24.5	27.6	30.6	37.4	53.9	1231.5	8179.5	9265.2	9412.9
67.5°	17.2	21.4	24.5	27.6	33.7	47.8	906.8	7443.7	8642.1	8764.7
70°	15.3	19.0	22.1	24.5	29.4	40.4	550.2	6316.3	7780.7	7831.5
72.5°	14.7	17.2	20.2	22.1	25.7	35.5	278.8	4641.8	6220.1	6302.8
75°	12.9	15.3	18.4	19.6	22.7	30.6	113.3	3048.8	4507.6	4640.6
77.5°	10.4	14.1	16.5	17.8	19.6	25.1	57.6	1948.4	3163.4	3249.1
80°	3.7	10.4	14.1	14.7	16.5	18.4	38.0	1066.7	1835.0	1871.8
82.5°	0.0	6.7	11.0	10.4	11.6	14.1	24.5	507.3	1211.3	1224.8
85°	0.0	3.1	8.6	6.7	4.9	9.8	8.6	110.9	635.4	661.7
87.5°	0.0	0.0	0.6	3.1	2.5	3.7	1.2	0.6	57.6	72.9
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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