

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: P533048

Luminaire Tested: **GLAN-SA8C-722-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-722-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31081 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 429
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

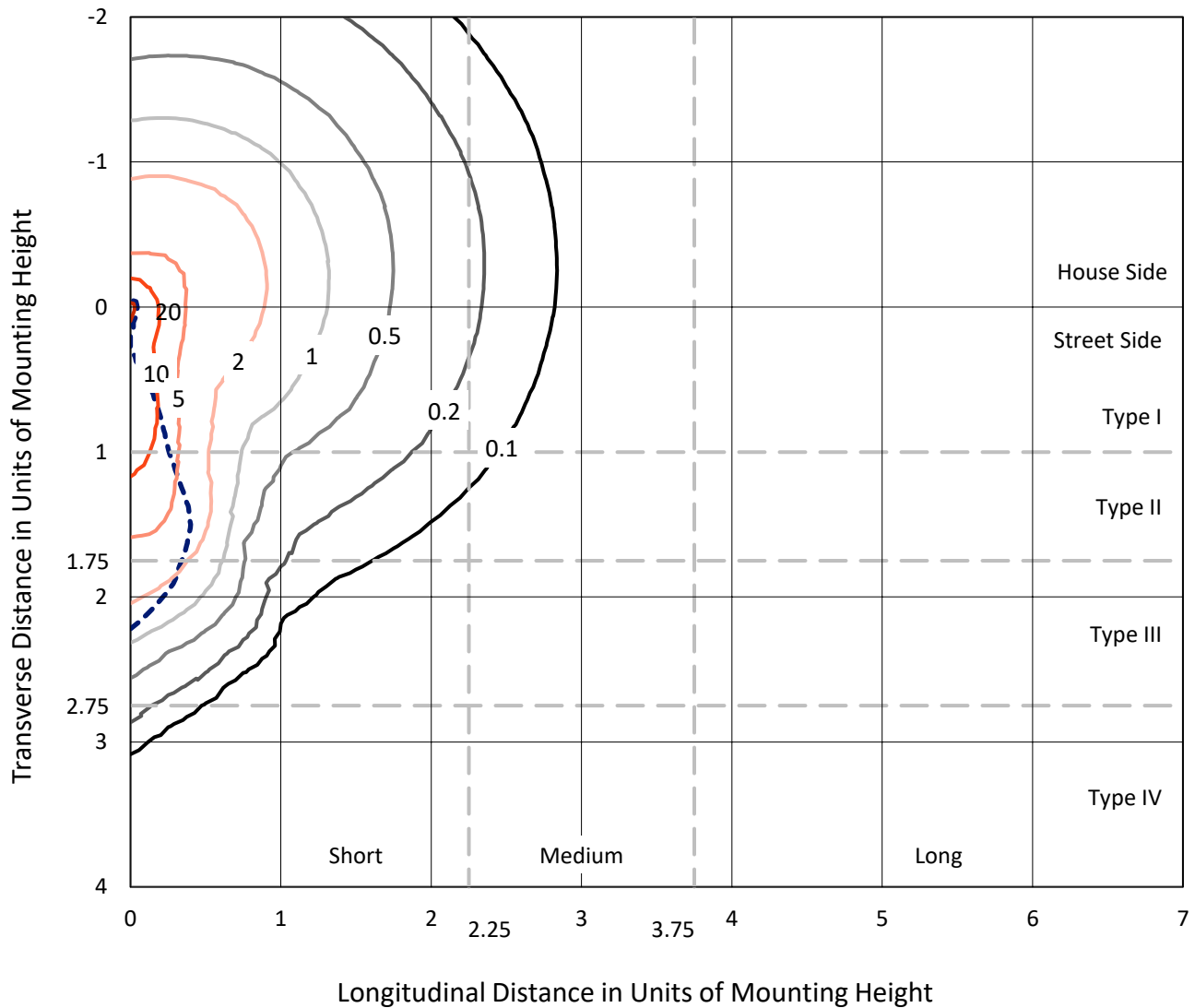


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Iso-Footcandle Lines of Horizontal Illumination

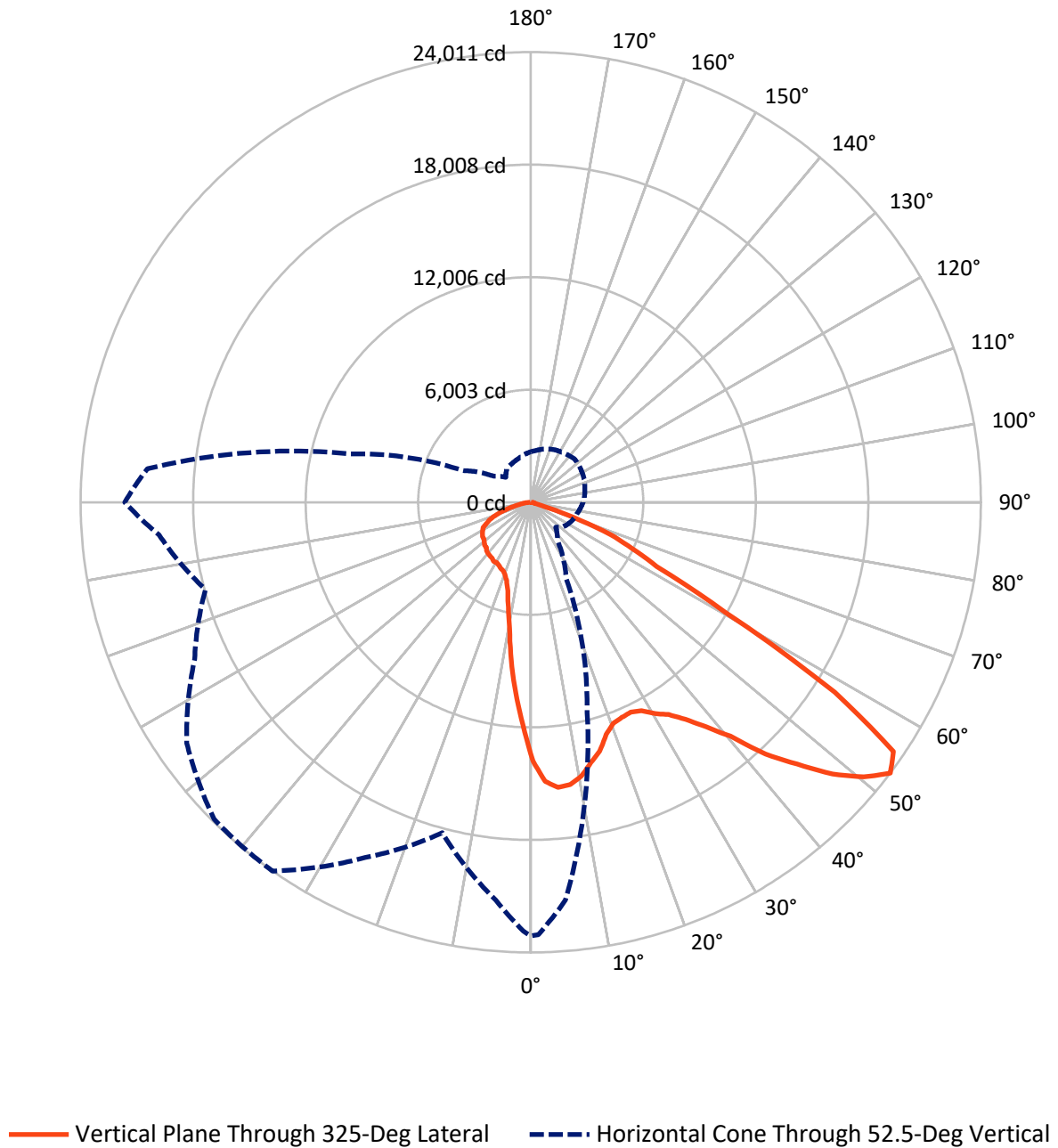
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9369.6	0.0	9369.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	21711.4	0.0	21711.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	31081.0	0.0	31081.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1052.4	3.4
10°-20°	2281.4	7.3
20°-30°	3446.9	11.1
30°-40°	4981.0	16.0
40°-50°	6628.8	21.3
50°-60°	7414.5	23.9
60°-70°	4178.7	13.4
70°-80°	931.5	3.0
80°-90°	165.9	0.5
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°	31081.0	100.0
0°-180°	31081.0	100.0

Coefficient of Utilization



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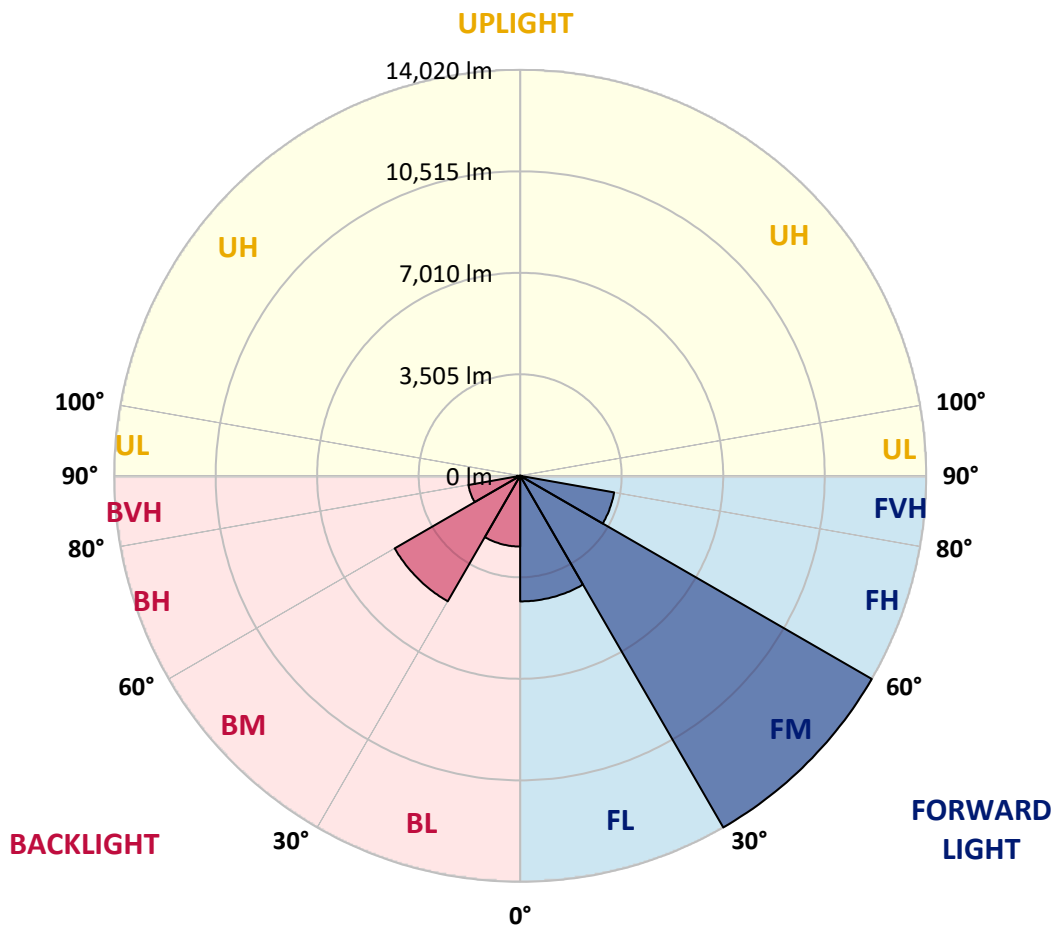
CATALOG NUMBER: GLAN-SA8C-722-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4337.3	14.0			
FM	(30°-60°)	14019.9	45.1			
FH	(60°-80°)	3294.1	10.6			G2/5000
FVH	(80°-90°)	60.1	0.2			G1/100
BL	(0°-30°)	2443.4	7.9	B3/2500		
BM	(30°-60°)	5004.3	16.1	B4/8500		
BH	(60°-80°)	1816.1	5.8	B3/2500		G3/2500
BVH	(80°-90°)	105.8	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9
2.5°	14023.7	14248.9	14005.7	13573.2	13266.9	12987.6	12694.7	12636.2	12253.3	12185.7	11906.4
5°	13226.3	13176.8	12879.4	12311.8	11685.7	11118.0	10699.1	10293.6	10018.9	9699.0	9676.5
7.5°	12257.8	11969.5	11798.3	10937.8	10163.0	9271.0	8888.1	8271.0	8077.2	7788.9	7640.3
10°	11392.8	11181.1	10780.2	9919.7	8838.6	8248.4	7838.5	7505.1	7279.9	6982.6	6608.7
12.5°	10964.9	10879.3	10428.8	9095.4	8293.5	7662.8	7374.5	7050.1	6667.2	6189.7	6005.0
15°	11041.5	10753.1	10410.8	8937.7	7829.5	7221.3	6761.8	6356.4	5865.4	5410.4	5144.6
17.5°	11613.6	11392.8	10708.1	9036.8	7653.8	6775.3	5941.9	5342.8	4901.3	4491.4	4306.7
20°	12739.8	12420.0	11649.6	9162.9	7275.4	6153.7	5198.6	4459.8	3986.8	3770.6	3707.5
22.5°	13987.6	13798.4	12568.6	9446.7	6973.6	5577.0	4410.3	3671.5	3495.8	3437.2	3554.3
25°	15505.8	15014.8	13996.7	9910.7	6739.3	5086.0	3743.6	3333.6	3243.5	3302.1	3437.2
27.5°	16659.0	16528.4	14996.7	10347.7	6419.5	4495.9	3369.6	3099.4	3126.4	3184.9	3311.1
30°	18028.5	17366.3	15965.3	10649.5	6131.1	4090.4	3108.4	3036.3	3063.3	3162.4	3225.5
32.5°	18852.9	18605.1	16573.4	11104.5	5797.8	3739.0	2905.6	2838.1	2878.6	3027.3	3175.9
35°	19902.6	19411.5	17325.8	11221.7	5563.5	3599.4	2761.5	2711.9	2806.5	2910.2	3076.8
37.5°	21127.9	20790.0	18366.4	11140.6	5437.4	3455.2	2639.9	2617.3	2684.9	2829.1	3022.8
40°	21853.2	21749.6	18911.5	11190.1	5239.2	3329.1	2500.2	2527.2	2666.9	2779.5	2968.7
42.5°	22551.4	21875.7	19717.9	11172.1	5113.0	3157.9	2513.7	2482.2	2590.3	2720.9	2901.1
45°	22704.6	22033.4	19907.1	11046.0	4959.9	2991.2	2410.1	2423.6	2554.3	2716.4	2833.6
47.5°	22605.5	22109.9	20258.4	11009.9	4815.7	2874.1	2256.9	2419.1	2495.7	2626.3	2793.0
50°	22537.9	22510.9	20555.8	11181.1	4622.0	2689.4	2072.2	2360.6	2437.1	2567.8	2748.0
52.5°	23132.6	23074.0	21299.1	11631.6	4468.8	2491.2	1883.0	2211.9	2396.6	2522.7	2698.4
55°	23492.9	23236.2	22573.9	12185.7	4212.1	2229.9	1752.4	2027.2	2297.5	2410.1	2590.3
57.5°	21132.4	20956.7	20420.6	11374.8	3779.6	1887.5	1590.2	1838.0	2162.3	2338.0	2522.7
60°	17582.5	17307.7	15933.8	9667.5	2788.5	1468.6	1491.1	1689.3	2126.3	2193.9	2410.1
62.5°	16578.0	15897.7	14028.2	7779.9	2139.8	1261.4	1337.9	1554.2	1937.1	2049.7	2266.0
65°	13154.2	12649.7	10036.9	5617.6	1432.6	1094.7	1220.8	1401.0	1671.3	1892.0	2090.3
67.5°	8234.9	7752.9	5356.3	2657.9	1000.1	937.0	1090.2	1279.4	1500.1	1698.3	1919.1
70°	4302.2	3775.1	2473.2	959.5	689.2	765.8	910.0	1090.2	1306.4	1468.6	1639.8
72.5°	1603.7	1301.9	806.4	414.4	477.5	585.6	738.8	869.4	1022.6	1220.8	1315.4
75°	247.8	211.7	207.2	252.3	324.4	423.5	527.1	657.7	792.9	919.0	982.1
77.5°	117.1	112.6	126.1	166.7	216.2	301.8	382.9	509.1	617.2	698.3	734.3
80°	76.6	72.1	81.1	112.6	162.2	225.2	306.3	391.9	491.0	558.6	549.6
82.5°	45.0	49.6	49.6	76.6	112.6	162.2	220.7	297.3	364.9	423.5	387.4
85°	27.0	22.5	22.5	45.0	76.6	130.6	184.7	126.1	130.6	130.6	148.7
87.5°	9.0	9.0	9.0	4.5	9.0	9.0	13.5	22.5	27.0	31.5	40.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9
2.5°	11897.4	12037.0	11987.5	11811.8	11946.9	11969.5	11879.4	12190.2	12248.8	12154.2	12181.2
5°	9644.9	9681.0	9762.1	9933.3	10054.9	10199.0	10199.0	10208.1	10086.4	10392.8	10302.7
7.5°	7514.1	7536.7	7631.3	7996.2	8099.8	8374.6	8491.7	8410.6	8167.3	8063.7	8149.3
10°	6487.0	6356.4	6324.8	6369.9	6604.2	6721.3	6820.4	6793.4	6752.8	6671.7	6581.6
12.5°	5802.3	5707.7	5631.1	5523.0	5536.5	5649.1	5725.7	5662.6	5680.7	5698.7	5725.7
15°	5059.0	4991.4	4950.9	4788.7	4770.7	4847.2	4874.3	4910.3	4977.9	4982.4	4950.9
17.5°	4270.6	4212.1	4302.2	4392.3	4329.2	4333.7	4383.2	4414.8	4396.8	4315.7	4275.1
20°	3730.0	3793.1	3883.2	3968.8	4036.4	4076.9	4094.9	4045.4	3986.8	3820.1	3815.6
22.5°	3572.4	3653.5	3730.0	3860.7	3923.7	4027.4	3932.8	3820.1	3739.0	3658.0	3563.4
25°	3455.2	3522.8	3676.0	3725.5	3847.2	3932.8	3865.2	3752.6	3612.9	3495.8	3423.7
27.5°	3369.6	3446.2	3545.3	3680.5	3775.1	3824.6	3757.1	3712.0	3567.9	3428.2	3324.6
30°	3315.6	3396.7	3576.9	3689.5	3770.6	3811.1	3694.0	3639.9	3536.3	3419.2	3329.1
32.5°	3279.6	3351.6	3504.8	3649.0	3703.0	3703.0	3721.0	3658.0	3513.8	3315.6	3239.0
35°	3162.4	3261.5	3387.7	3554.3	3653.5	3712.0	3621.9	3549.8	3455.2	3252.5	3112.9
37.5°	3094.9	3162.4	3324.6	3482.3	3567.9	3630.9	3594.9	3468.8	3342.6	3175.9	3063.3
40°	3022.8	3130.9	3275.0	3423.7	3518.3	3581.4	3554.3	3405.7	3252.5	3094.9	3018.3
42.5°	2973.2	3045.3	3194.0	3360.6	3473.3	3594.9	3513.8	3329.1	3221.0	3004.8	2919.2
45°	2932.7	3049.8	3207.5	3275.0	3392.2	3518.3	3374.2	3261.5	3135.4	2977.7	2905.6
47.5°	2883.1	2991.2	3094.9	3275.0	3329.1	3387.7	3360.6	3180.4	3072.3	2901.1	2851.6
50°	2865.1	2905.6	3094.9	3194.0	3270.5	3329.1	3257.0	3121.9	3018.3	2842.6	2734.5
52.5°	2793.0	2869.6	2991.2	3121.9	3216.5	3288.6	3171.4	3085.8	2946.2	2761.5	2693.9
55°	2702.9	2748.0	2964.2	3099.4	3148.9	3198.5	3153.4	3013.8	2869.6	2680.4	2612.8
57.5°	2585.8	2689.4	2865.1	3054.3	3117.4	3144.4	3072.3	2959.7	2779.5	2612.8	2504.7
60°	2464.2	2572.3	2766.0	2919.2	2982.2	3081.3	2973.2	2905.6	2698.4	2513.7	2396.6
62.5°	2342.5	2464.2	2608.3	2802.0	2856.1	2896.6	2869.6	2775.0	2608.3	2401.1	2256.9
65°	2198.4	2288.5	2468.7	2567.8	2603.8	2698.4	2603.8	2567.8	2419.1	2220.9	2099.3
67.5°	1982.1	2058.7	2216.4	2311.0	2338.0	2378.6	2374.1	2333.5	2166.8	2031.7	1923.6
70°	1734.4	1802.0	1901.1	2013.7	2027.2	2076.7	2031.7	2022.7	1914.6	1729.9	1671.3
72.5°	1392.0	1455.1	1585.7	1635.3	1639.8	1657.8	1635.3	1603.7	1576.7	1383.0	1324.4
75°	1067.7	1103.7	1166.8	1211.8	1211.8	1234.3	1220.8	1189.3	1117.2	995.6	937.0
77.5°	743.3	779.3	860.4	887.5	883.0	892.0	851.4	819.9	711.8	648.7	599.1
80°	540.6	563.1	603.7	621.7	626.2	639.7	590.1	563.1	500.0	428.0	405.4
82.5°	391.9	405.4	409.9	432.5	432.5	409.9	396.4	369.4	324.4	279.3	261.3
85°	162.2	166.7	171.2	198.2	202.7	243.3	225.2	211.7	184.7	157.7	144.2
87.5°	40.5	45.0	58.6	49.6	58.6	58.6	63.1	72.1	72.1	58.6	58.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9
2.5°	12284.8	12320.8	12780.3	12838.9	13064.1	13293.9	13757.9	14091.3	14361.6	14537.2	14586.8
5°	10397.3	10627.0	10838.7	11181.1	11491.9	11933.4	12442.5	13073.2	13866.0	14271.5	14433.6
7.5°	8140.3	8410.6	8716.9	9050.3	9505.3	10298.2	10978.4	11708.2	12721.8	13140.7	13775.9
10°	6644.7	6946.5	7352.0	7608.7	8158.3	8915.2	9708.0	10550.4	11519.0	12122.6	12856.9
12.5°	5874.4	6122.1	6496.0	7036.6	7446.6	7937.6	8527.7	9590.9	10978.4	11550.5	12055.1
15°	5022.9	5297.7	5730.2	6329.4	6820.4	7406.0	8068.2	9226.0	10703.6	11586.5	12014.5
17.5°	4320.2	4518.4	4973.4	5491.4	6054.6	6694.2	7644.8	9208.0	10991.9	12122.6	12820.9
20°	3833.7	3860.7	4108.4	4549.9	5315.8	6149.2	7383.5	9117.9	11915.4	13046.1	13929.1
22.5°	3527.3	3500.3	3504.8	3878.7	4414.8	5613.1	6973.6	9424.2	12965.0	14514.7	15109.4
25°	3374.2	3302.1	3257.0	3338.1	3824.6	4977.9	6662.7	9829.6	14095.8	15726.5	16456.3
27.5°	3293.1	3166.9	3076.8	3090.3	3446.2	4658.0	6469.0	10005.3	15217.5	17415.9	17672.6
30°	3261.5	3103.9	2973.2	2928.2	3162.4	4212.1	6054.6	10307.2	16222.1	18343.9	18564.6
32.5°	3148.9	2955.2	2829.1	2788.5	2883.1	3820.1	5757.2	10523.4	17109.5	19353.0	19276.4
35°	3018.3	2856.1	2698.4	2621.8	2689.4	3567.9	5518.5	10419.8	18154.7	20136.8	20096.3
37.5°	3004.8	2793.0	2662.4	2536.2	2531.7	3257.0	5194.1	10518.9	18821.4	21542.3	20988.2
40°	2887.6	2752.5	2581.3	2477.7	2419.1	3099.4	4878.8	10284.6	19798.9	22109.9	21564.9
42.5°	2892.1	2689.4	2540.8	2419.1	2360.6	2869.6	4662.5	10221.6	20141.3	23033.4	21835.1
45°	2820.1	2621.8	2495.7	2351.5	2320.0	2693.9	4455.3	9928.8	20745.0	23078.5	21497.3
47.5°	2748.0	2572.3	2437.1	2266.0	2193.9	2630.8	4293.1	9685.5	20429.6	22655.0	21028.8
50°	2698.4	2495.7	2369.6	2247.9	2045.2	2522.7	4081.4	9626.9	19988.1	22082.9	20159.3
52.5°	2612.8	2432.6	2302.0	2207.4	1883.0	2423.6	4000.3	9969.3	20528.7	21655.0	19907.1
55°	2531.7	2347.0	2180.4	1995.7	1747.9	2162.3	3775.1	10289.1	21317.1	22641.5	21051.3
57.5°	2446.1	2270.5	2090.3	1869.5	1617.3	1892.0	3540.8	10347.7	19839.5	20925.2	19983.6
60°	2333.5	2108.3	1973.1	1684.8	1477.6	1567.7	2806.5	9122.4	15388.7	17474.4	17506.0
62.5°	2207.4	1964.1	1847.0	1509.1	1333.4	1351.5	2288.5	7667.3	12483.0	14465.2	15325.6
65°	2040.7	1806.5	1666.8	1396.5	1229.8	1171.3	1675.8	5617.6	9482.8	11735.2	12712.8
67.5°	1824.5	1603.7	1428.0	1216.3	1099.2	1004.6	1144.2	3162.4	5599.6	7879.0	8176.4
70°	1594.7	1405.5	1220.8	1045.1	914.5	846.9	837.9	1401.0	2675.9	4239.1	4824.7
72.5°	1256.9	1121.7	973.1	842.4	756.8	657.7	599.1	581.1	905.5	1725.4	2383.1
75°	901.0	788.4	702.8	617.2	554.1	500.0	455.0	414.4	378.4	432.5	594.6
77.5°	567.6	527.1	459.5	437.0	400.9	387.4	369.4	346.9	319.8	301.8	301.8
80°	382.9	355.9	333.4	328.9	315.3	310.8	315.3	292.8	265.8	243.3	252.3
82.5°	256.8	252.3	247.8	243.3	247.8	252.3	261.3	256.8	234.3	220.7	225.2
85°	153.2	162.2	171.2	180.2	198.2	175.7	144.2	121.6	108.1	99.1	94.6
87.5°	58.6	81.1	72.1	67.6	72.1	67.6	63.1	58.6	49.6	45.0	45.0
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°	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9	13793.9
2.5°	14915.7	15005.8	15082.3	15064.3	14906.6	14694.9	14609.3	14172.3	14082.3	14023.7
5°	15118.4	15640.9	15753.6	15686.0	15276.0	14758.0	14253.4	13613.7	13239.8	13226.3
7.5°	14744.5	15388.7	15591.4	15744.6	15199.5	14298.5	13433.5	12474.0	12239.8	12257.8
10°	13793.9	14821.1	15321.1	15478.8	14852.6	14073.2	12874.9	11901.9	11401.8	11392.8
12.5°	13266.9	14073.2	14212.9	14433.6	14248.9	13460.6	12550.6	11460.4	10973.9	10964.9
15°	12798.4	13329.9	13370.5	13681.3	13780.4	13248.8	12636.2	11473.9	11082.0	11041.5
17.5°	13208.3	12838.9	12685.7	12726.3	13019.1	13212.8	13131.7	12239.8	11838.8	11613.6
20°	13483.1	12658.7	12194.7	12239.8	12586.6	13293.9	13870.5	13348.0	12712.8	12739.8
22.5°	14217.4	12685.7	11960.5	11910.9	12460.5	13717.4	14703.9	14749.0	14136.3	13987.6
25°	15316.6	12996.6	11888.4	11874.9	12401.9	14172.3	15677.0	16406.8	15780.6	15505.8
27.5°	16199.5	13483.1	12113.6	12158.7	12586.6	14541.7	16505.9	17474.4	16996.9	16659.0
30°	16974.4	13987.6	12429.0	12221.7	13082.2	14735.5	16861.8	18690.7	18307.8	18028.5
32.5°	17294.2	14703.9	12929.0	12586.6	13492.1	14969.7	17600.6	19871.0	19542.2	18852.9
35°	17834.8	15104.9	13199.3	13172.3	14208.4	15532.8	17947.4	20650.4	20515.2	19902.6
37.5°	18267.3	15510.3	14158.8	13861.5	15190.5	16478.8	18506.0	21727.0	21416.2	21127.9
40°	18600.6	16235.6	15055.3	15447.2	16397.8	17339.3	19019.6	21794.6	22691.1	21853.2
42.5°	18294.3	16884.3	16528.4	17465.4	18366.4	18321.3	19078.2	22317.2	22988.4	22551.4
45°	18217.7	17983.5	18857.4	19708.8	19916.1	19136.7	18659.2	21740.5	22898.3	22704.6
47.5°	18033.0	19064.6	20587.3	21974.8	21659.5	19681.8	18159.2	21636.9	22952.4	22605.5
50°	17970.0	19298.9	21866.7	23218.1	23028.9	20154.8	17924.9	20970.2	22569.4	22537.9
52.5°	17965.5	19780.9	22398.3	23893.9	24011.0	20902.6	18244.8	21308.1	22866.8	23132.6
55°	18168.2	19627.8	22330.7	23520.0	23474.9	20569.3	18280.8	21533.3	23231.7	23492.9
57.5°	17136.6	17582.5	18429.5	19371.0	19127.7	17037.5	16325.7	19907.1	21321.6	21132.4
60°	14798.5	13402.0	12447.0	12401.9	11928.9	11275.7	13361.5	17767.2	17767.2	17582.5
62.5°	12960.5	8798.0	7559.2	7207.8	7545.7	8298.0	12888.5	17280.7	16789.7	16578.0
65°	11334.3	6716.8	5464.4	5365.3	5950.9	7086.2	11654.1	14721.9	13857.0	13154.2
67.5°	7293.4	4919.3	4063.4	3887.7	4595.0	5203.1	7757.4	9054.8	8509.7	8234.9
70°	4703.1	3203.0	2261.4	2121.8	2396.6	3207.5	4955.4	5279.7	4486.9	4302.2
72.5°	2225.4	1383.0	792.9	653.2	734.3	1225.3	1959.6	2108.3	1752.4	1603.7
75°	707.3	509.1	324.4	279.3	265.8	315.3	450.5	346.9	252.3	247.8
77.5°	315.3	301.8	256.8	216.2	189.2	157.7	130.6	108.1	112.6	117.1
80°	261.3	238.8	211.7	189.2	157.7	121.6	94.6	72.1	72.1	76.6
82.5°	229.7	207.2	184.7	157.7	135.1	99.1	72.1	49.6	45.0	45.0
85°	99.1	117.1	126.1	135.1	108.1	81.1	49.6	31.5	27.0	27.0
87.5°	40.5	36.0	31.5	27.0	22.5	22.5	18.0	13.5	9.0	9.0
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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