

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: P533150

Luminaire Tested: **GLAN-SA8C-740-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-740-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42280 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - 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

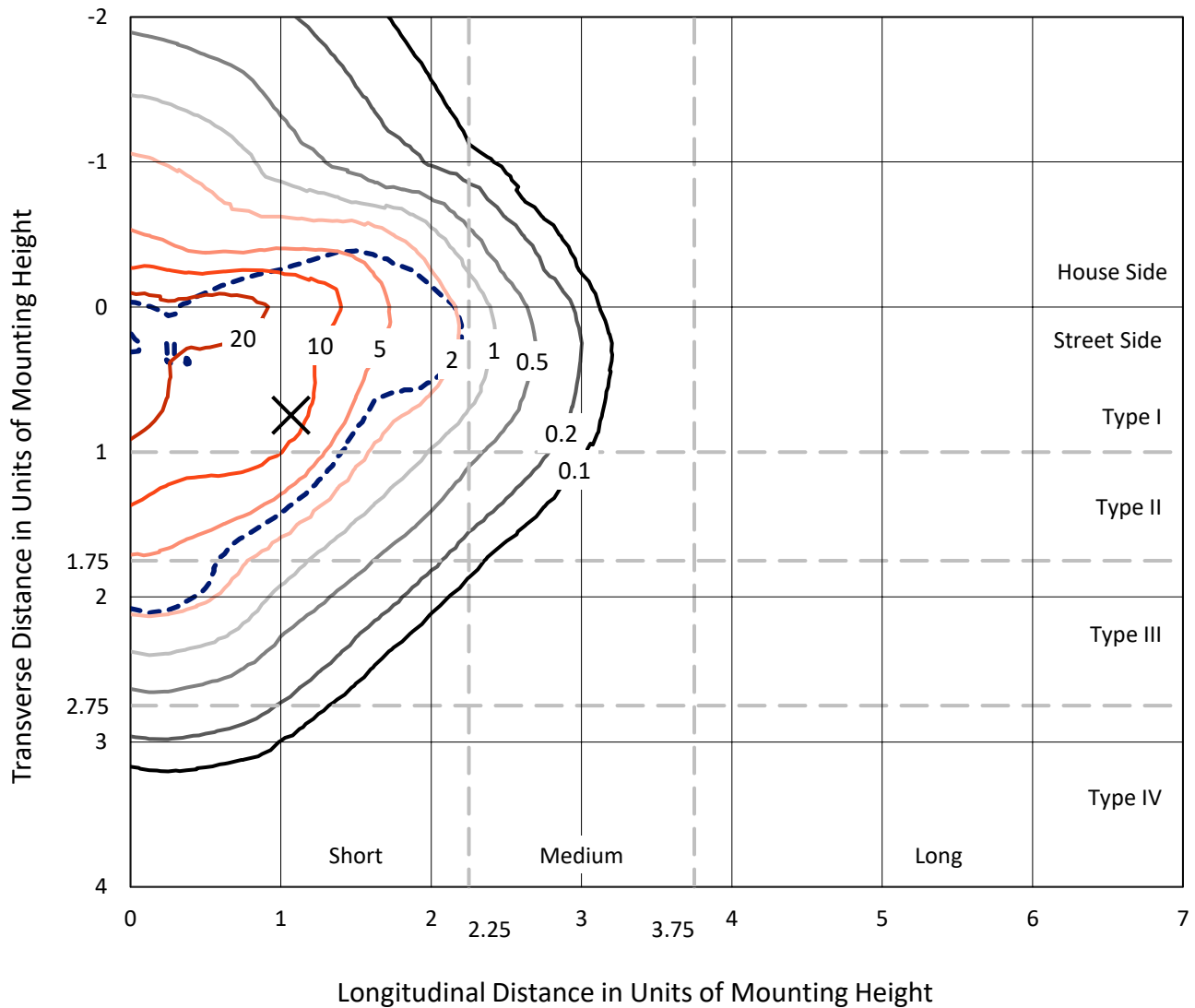


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

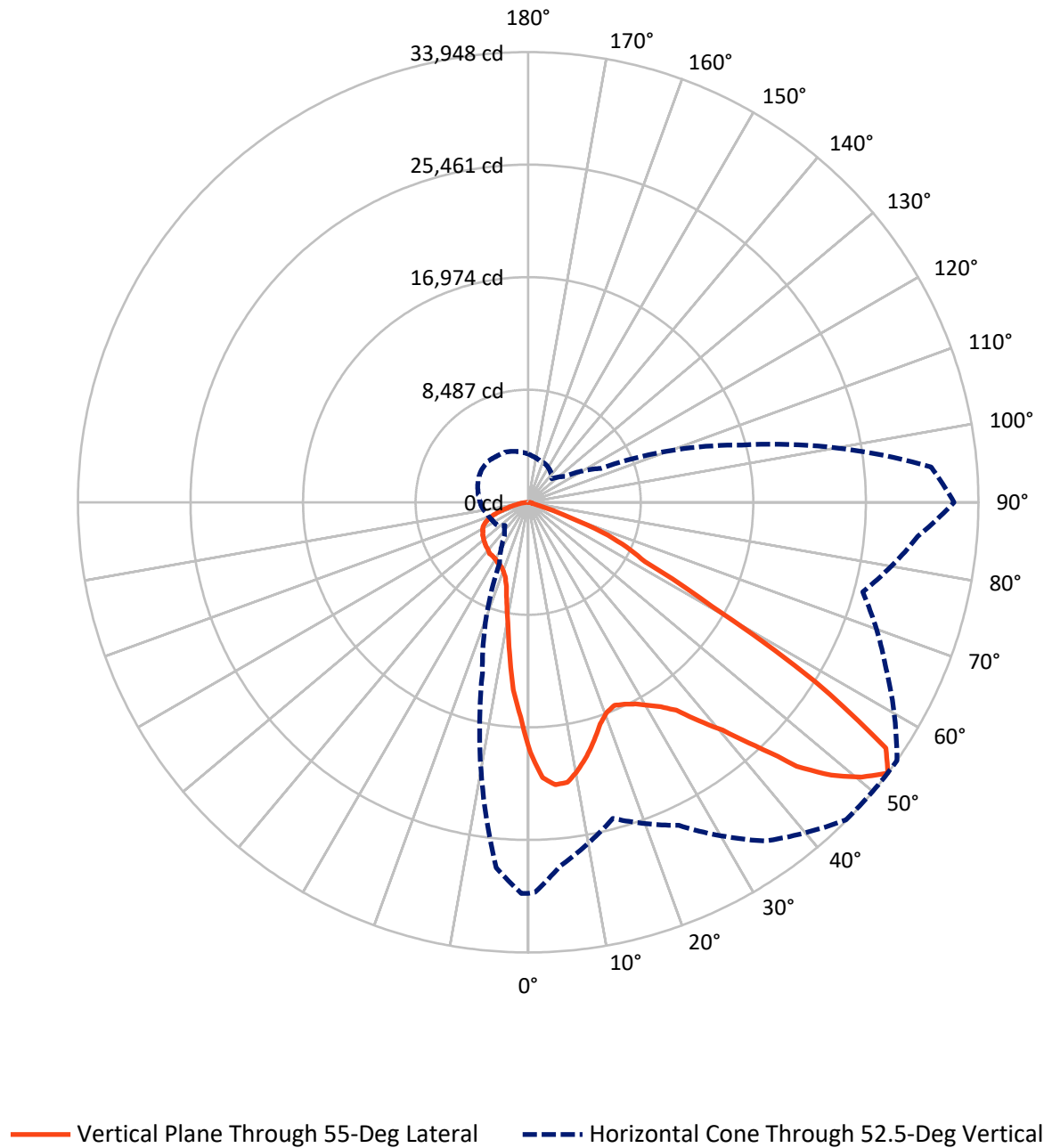


Based on 25 foot mounting height. Maximum calculated value = 32.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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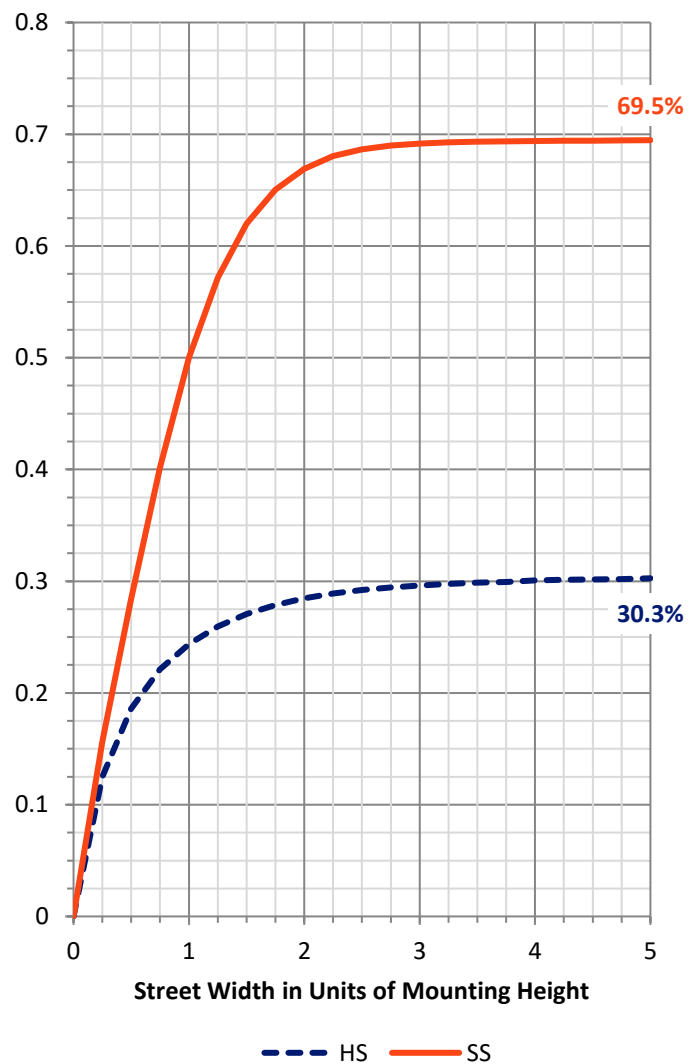
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12897.7	0.0	12897.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	29382.3	0.0	29382.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	42280.0	0.0	42280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1440.9	3.4
10°-20°	3106.7	7.3
20°-30°	4710.8	11.1
30°-40°	6806.4	16.1
40°-50°	9095.2	21.5
50°-60°	10152.2	24.0
60°-70°	5569.0	13.2
70°-80°	1204.0	2.8
80°-90°	194.8	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°	42280.0	100.0
0°-180°	42280.0	100.0

Coefficient of Utilization



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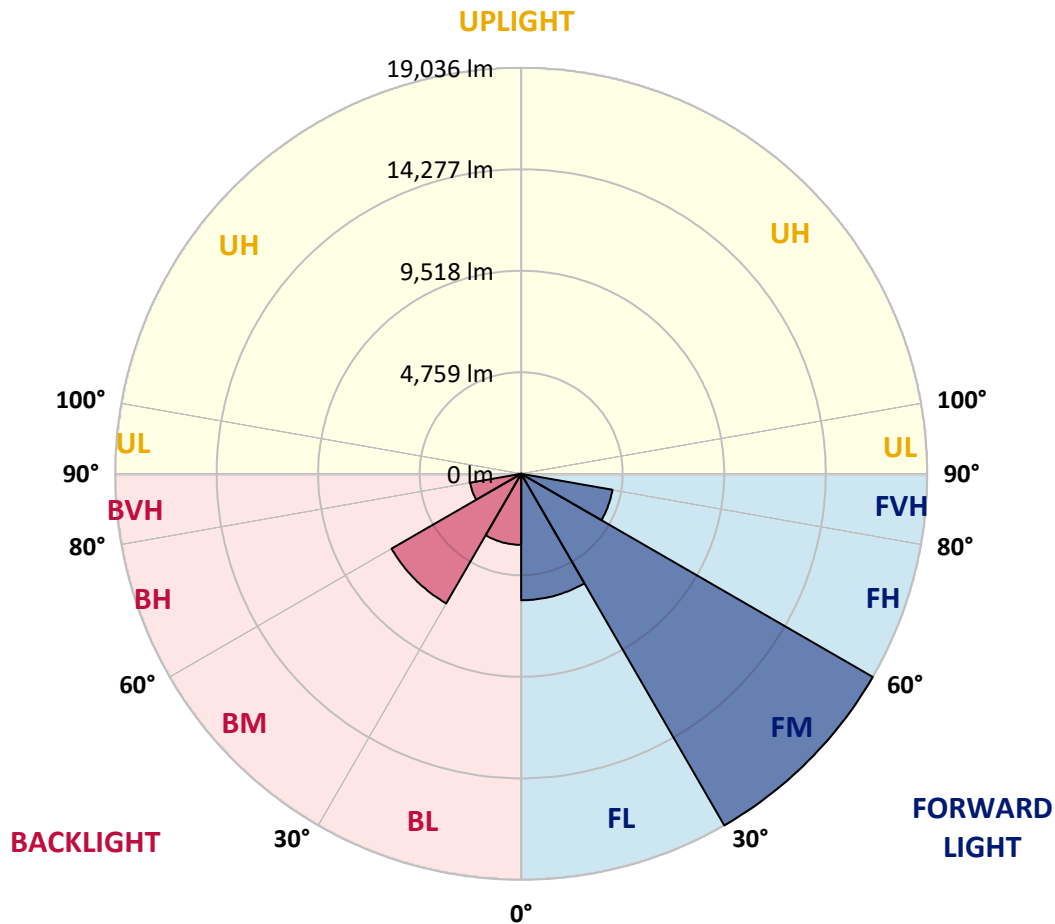
CATALOG NUMBER: GLAN-SA8C-740-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5928.4	14.0			
FM	(30°-60°)	19036.4	45.0			
FH	(60°-80°)	4345.3	10.3			G2/5000
FVH	(80°-90°)	72.1	0.2			G1/100
BL	(0°-30°)	3330.0	7.9	B4/5000		
BM	(30°-60°)	7017.4	16.6	B4/8500		
BH	(60°-80°)	2427.6	5.7	B3/2500		G3/2500
BVH	(80°-90°)	122.7	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2
2.5°	19792.4	19681.2	19780.0	20249.2	20520.8	20706.0	20823.3	20804.8	20360.3	19928.2	19928.2
5°	19212.0	19070.1	19273.8	20335.6	21403.6	21496.3	21650.6	21397.5	20743.1	19952.9	18965.1
7.5°	17532.8	17637.8	17977.3	19372.6	20761.6	21459.2	21644.4	21323.4	20261.5	18786.1	17335.3
10°	16082.1	16329.0	17113.0	18619.4	19897.3	20804.8	21008.5	20557.9	19718.3	17909.4	16613.0
12.5°	15582.0	15427.7	16298.1	17804.5	19026.8	19514.5	19607.1	19638.0	19070.1	17464.9	15884.5
15°	15520.3	15619.0	16298.1	17440.2	18193.4	18218.1	18372.4	18613.2	18687.3	17767.4	16224.1
17.5°	16409.3	16292.0	16989.6	17897.1	17539.0	17180.9	17218.0	17563.7	18174.9	18026.7	17292.1
20°	17724.2	17989.7	18539.1	18446.5	17483.5	16575.9	16582.1	16909.3	18113.2	19100.9	18779.9
22.5°	19909.7	20168.9	20576.4	19459.0	17483.5	16396.9	16187.0	16631.5	18508.3	20378.8	20459.1
25°	21903.7	22379.1	22490.2	21175.2	18360.1	16563.6	16427.8	16866.1	18903.4	21625.9	22385.2
27.5°	23718.7	23891.6	24379.3	22280.3	18847.8	16674.7	16662.4	17224.2	19403.4	22249.4	24107.7
30°	25151.0	25132.5	25410.3	22977.9	19625.7	17298.2	16699.4	17761.3	20057.8	23280.4	25700.4
32.5°	26126.4	26336.3	26922.8	23947.1	19952.9	17890.9	17421.7	18391.0	20854.2	23768.1	26824.0
35°	27842.6	28206.9	27466.1	24484.2	20990.0	18477.4	17927.9	19249.1	21249.3	24299.0	28200.7
37.5°	29460.1	29182.3	28429.1	24774.4	21662.9	19563.9	19051.5	20909.8	22477.8	25453.5	29114.4
40°	30497.3	30491.1	29151.4	25009.0	22138.3	21224.6	21193.7	22595.1	23984.2	26182.0	30139.2
42.5°	30947.9	31380.1	29447.8	24984.3	23138.4	23237.2	23860.7	25113.9	25052.2	26330.1	30114.5
44°	31565.3	31824.6	29960.2	25039.9	23805.2	24595.4	26064.7	26861.1	25984.4	26249.9	30083.6
45°	31540.6	31559.1	29231.7	25113.9	24373.1	25731.3	27046.3	28392.1	26805.5	26077.0	30491.1
47.5°	30818.3	30608.4	28614.3	24564.5	26144.9	28731.6	29947.8	30762.7	27818.0	25706.6	29984.9
50°	29392.2	29151.4	27114.2	24329.9	26515.3	30596.0	32275.2	32571.6	28737.8	25342.4	29484.8
52.5°	29491.0	29423.1	27540.1	24681.8	26885.7	31182.5	33874.2	33948.3	29781.1	26107.9	29491.0
55°	31256.6	31022.0	28762.5	25120.1	26614.1	30497.3	32855.6	32725.9	29429.2	25644.9	30034.2
57.5°	28602.0	28756.3	27071.0	23385.4	23292.7	24792.9	25830.1	25509.0	24558.3	23144.6	27941.4
60°	23076.7	23515.0	23675.5	19557.8	17576.1	16804.4	16495.7	15927.7	16088.2	19014.5	24546.0
62.5°	19792.4	19767.7	20773.9	17730.4	11513.6	9902.4	9754.2	9883.8	11735.9	18718.2	24039.7
65°	15693.1	16112.9	16421.6	15026.4	9112.1	7352.7	7346.5	8167.6	10155.5	15643.7	19409.6
67.5°	9964.1	10513.5	10896.3	9612.2	6093.3	5235.2	5093.2	6080.9	7037.8	10260.4	11686.5
70°	5617.9	5877.2	6050.1	5543.8	3877.0	2716.4	2555.8	2790.4	4253.6	6642.7	6926.7
72.5°	2166.9	2284.2	2518.8	2537.3	1463.1	876.6	710.0	851.9	1790.3	2629.9	2506.5
75°	333.4	358.1	506.2	605.0	419.8	321.0	339.5	351.9	500.1	679.1	568.0
77.5°	160.5	160.5	154.3	179.0	209.9	228.4	246.9	271.6	296.3	327.2	314.9
80°	105.0	105.0	105.0	123.5	154.3	185.2	209.9	222.2	234.6	259.3	246.9
82.5°	67.9	67.9	67.9	92.6	123.5	154.3	166.7	197.6	222.2	259.3	240.8
85°	37.0	37.0	37.0	61.7	92.6	129.6	123.5	98.8	55.6	6.2	12.3
87.5°	12.3	12.3	12.3	12.3	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°	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2
2.5°	19409.6	19125.6	19100.9	18520.6	18002.0	17748.9	17545.2	16977.2	17100.7	16773.5	16767.3
5°	18471.2	17890.9	16952.5	16180.8	15409.1	15254.8	14581.9	13995.4	14013.9	13594.1	13668.2
7.5°	16785.8	16384.6	15242.5	14032.4	13007.6	12279.2	11643.3	11260.5	10772.8	10606.1	10519.7
10°	15717.8	15223.9	13939.8	12421.2	11272.9	10883.9	10272.8	9933.2	9433.2	9186.2	9013.4
12.5°	15248.6	14526.3	12921.2	11377.8	10612.3	10211.0	9692.5	9075.1	8482.4	8254.0	7939.2
15°	15298.0	14433.7	12624.9	10958.0	10038.2	9260.3	8797.3	8112.0	7507.0	7105.7	6877.3
17.5°	16045.0	14995.5	12760.7	10637.0	9315.9	8340.4	7432.9	6692.1	6210.6	5908.1	5834.0
20°	17810.6	16384.6	12989.1	10118.4	8593.6	7377.4	6260.0	5488.3	5117.9	5111.7	5117.9
22.5°	19280.0	17866.2	13452.1	9809.7	7871.3	6142.7	5031.4	4784.5	4710.4	4864.7	4883.3
25°	21261.7	19533.1	14248.5	9649.2	7204.5	5235.2	4549.9	4457.3	4451.1	4648.7	4654.8
27.5°	23292.7	20990.0	14723.9	9180.0	6525.4	4766.0	4259.7	4241.2	4340.0	4549.9	4531.4
30°	24675.6	22212.4	15582.0	8618.3	5722.9	4352.3	4142.4	4167.1	4303.0	4463.5	4488.2
32.5°	26286.9	23416.2	15804.3	8309.6	5229.0	4006.6	3858.5	3914.0	4086.9	4340.0	4475.8
35°	28132.8	24268.2	16143.8	7889.8	5043.8	3741.2	3667.1	3728.8	3938.7	4105.4	4253.6
37.5°	29497.2	25774.5	16205.5	7562.6	4840.1	3593.0	3475.7	3679.4	3802.9	4037.5	4111.6
40°	30509.6	26867.2	16366.0	7358.9	4679.5	3401.6	3401.6	3537.4	3704.1	3920.2	4068.4
42.5°	31157.8	27663.6	16483.3	7173.6	4370.9	3346.1	3315.2	3451.0	3673.3	3883.2	3951.1
44°	31552.9	28003.2	16366.0	7000.8	4284.4	3278.1	3278.1	3395.4	3568.3	3815.2	3895.5
45°	31651.7	28429.1	16106.8	6994.6	4179.5	3197.9	3185.5	3407.8	3525.1	3827.6	3877.0
47.5°	32034.5	28953.9	16137.6	6797.1	3926.4	3006.5	3222.6	3321.4	3426.3	3691.8	3858.5
50°	32022.1	29281.1	16069.7	6506.9	3741.2	2790.4	3148.5	3259.6	3364.6	3636.2	3704.1
52.5°	32108.6	30503.4	16693.2	6043.9	3407.8	2512.6	2901.6	3148.5	3278.1	3506.6	3648.6
55°	32065.3	31201.0	17310.6	5698.2	2938.6	2345.9	2691.7	2981.8	3167.0	3407.8	3475.7
57.5°	29287.3	27577.2	16020.3	5050.0	2432.4	2148.4	2395.3	2809.0	3043.6	3290.5	3376.9
60°	23928.6	21255.5	13211.4	3716.5	2000.2	1975.5	2228.6	2753.4	2852.2	3068.2	3216.4
62.5°	22113.6	18644.1	10476.5	2839.8	1710.1	1808.8	2055.8	2487.9	2642.3	2907.7	3043.6
65°	17304.4	12384.1	6488.4	1920.0	1506.3	1623.6	1858.2	2179.3	2432.4	2679.3	2839.8
67.5°	10248.1	6766.2	3210.2	1345.8	1315.0	1438.4	1679.2	1920.0	2210.1	2481.8	2562.0
70°	5580.9	3327.5	1370.5	1024.8	1117.4	1228.5	1463.1	1629.8	1907.6	2117.5	2253.3
72.5°	1790.3	1012.5	685.3	759.3	851.9	981.6	1123.6	1327.3	1524.9	1648.3	1759.5
75°	432.1	426.0	487.7	530.9	617.4	716.1	833.4	938.4	1092.7	1210.0	1308.8
77.5°	302.5	327.2	376.6	438.3	469.2	506.2	580.3	660.6	728.5	814.9	876.6
80°	234.6	253.1	290.2	321.0	351.9	382.8	419.8	450.7	493.9	549.4	580.3
82.5°	222.2	234.6	271.6	290.2	277.8	271.6	296.3	308.7	314.9	333.4	351.9
85°	18.5	0.0	12.3	43.2	105.0	154.3	166.7	166.7	160.5	172.9	172.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	24.7	18.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2
2.5°	16693.2	16483.3	16563.6	16662.4	16520.4	16193.2	16279.6	16242.6	16575.9	16551.2	16884.6
5°	13995.4	13668.2	13705.2	14186.8	14032.4	14199.1	13865.8	13822.5	13884.3	13915.1	13970.7
7.5°	10711.1	10667.9	11038.3	11445.7	11637.1	11439.6	11112.4	11038.3	10970.4	10834.6	11143.2
10°	8741.7	8754.1	8729.4	9038.1	9254.1	9210.9	9013.4	8988.7	8859.0	8809.6	8982.5
12.5°	7803.3	7636.7	7556.4	7457.6	7624.3	7735.4	7649.0	7587.3	7593.4	7655.2	7679.9
15°	6895.8	6790.9	6618.0	6506.9	6587.2	6531.6	6500.7	6624.2	6593.3	6581.0	6729.2
17.5°	5877.2	5963.6	5951.3	5827.8	5932.8	5889.6	5883.4	5796.9	5679.7	5593.2	5642.6
20°	5204.3	5364.8	5488.3	5494.4	5550.0	5543.8	5451.2	5185.8	5099.3	5080.8	5093.2
22.5°	4963.5	5050.0	5198.1	5408.0	5408.0	5309.2	5198.1	4889.4	4809.2	4722.8	4685.7
25°	4772.1	4938.8	5130.2	5154.9	5253.7	5161.1	4982.0	4827.7	4661.0	4543.7	4543.7
27.5°	4673.4	4858.6	5000.6	5043.8	5179.6	5105.5	4920.3	4722.8	4525.2	4519.0	4414.1
30°	4630.2	4803.0	4895.6	5000.6	5062.3	4945.0	4889.4	4679.5	4482.0	4432.6	4259.7
32.5°	4500.5	4747.4	4920.3	4895.6	4945.0	4895.6	4815.4	4642.5	4420.3	4309.1	4290.6
35°	4352.3	4599.3	4784.5	4914.1	4945.0	4840.1	4790.7	4556.1	4253.6	4198.0	4006.6
37.5°	4272.1	4420.3	4648.7	4858.6	4901.8	4846.2	4679.5	4438.8	4136.3	4074.5	3907.8
40°	4173.3	4364.7	4543.7	4716.6	4846.2	4710.4	4519.0	4284.4	4148.6	3963.4	3914.0
42.5°	4099.2	4315.3	4463.5	4654.8	4803.0	4624.0	4401.7	4241.2	4049.8	3926.4	3784.4
44°	4074.5	4272.1	4370.9	4605.5	4728.9	4593.1	4407.9	4241.2	4019.0	3907.8	3784.4
45°	3988.1	4259.7	4364.7	4574.6	4679.5	4568.4	4333.8	4167.1	4006.6	3870.8	3741.2
47.5°	3901.7	4086.9	4265.9	4432.6	4506.7	4469.6	4272.1	4068.4	3877.0	3796.7	3673.3
50°	3877.0	4062.2	4228.9	4383.2	4469.6	4395.6	4216.5	4019.0	3796.7	3667.1	3562.1
52.5°	3753.5	3981.9	4167.1	4216.5	4327.6	4284.4	4148.6	3932.5	3722.6	3611.5	3525.1
55°	3574.5	3815.2	4068.4	4130.1	4290.6	4222.7	4019.0	3815.2	3636.2	3469.5	3358.4
57.5°	3506.6	3741.2	3988.1	4068.4	4167.1	4056.0	4006.6	3790.6	3506.6	3420.1	3247.3
60°	3333.7	3630.0	3833.8	4019.0	4025.1	3994.3	3907.8	3660.9	3426.3	3265.8	3142.3
62.5°	3197.9	3475.7	3636.2	3809.1	3914.0	3827.6	3741.2	3512.7	3259.6	3080.6	2938.6
65°	3000.3	3253.5	3389.3	3494.2	3611.5	3599.2	3451.0	3284.3	3018.9	2876.9	2741.0
67.5°	2697.8	2920.1	3105.3	3204.1	3278.1	3259.6	3148.5	3031.2	2759.6	2617.6	2518.8
70°	2333.6	2562.0	2679.3	2734.9	2809.0	2846.0	2759.6	2704.0	2463.2	2278.0	2185.4
72.5°	1876.8	2024.9	2197.8	2247.2	2278.0	2302.7	2302.7	2253.3	2006.4	1932.3	1771.8
75°	1382.9	1500.2	1629.8	1629.8	1685.4	1691.5	1703.9	1673.0	1487.8	1389.0	1352.0
77.5°	938.4	1024.8	1129.8	1173.0	1210.0	1203.8	1197.7	1111.2	1012.5	969.2	932.2
80°	611.2	697.6	747.0	802.6	839.6	833.4	845.8	784.0	740.8	666.7	679.1
82.5°	364.2	432.1	481.5	549.4	549.4	568.0	568.0	549.4	506.2	469.2	469.2
85°	172.9	228.4	259.3	302.5	327.2	333.4	296.3	253.1	209.9	191.4	209.9
87.5°	30.9	43.2	61.7	55.6	67.9	61.7	61.7	61.7	61.7	49.4	55.6
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°	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2
2.5°	16761.1	17069.8	17285.9	17644.0	18261.3	18755.2	19261.4	19638.0	19681.2	19792.4
5°	14174.4	14341.1	14890.6	15606.7	16112.9	16946.4	17483.5	18458.9	18823.1	19212.0
7.5°	11069.1	11340.8	12075.4	12557.0	13668.2	14711.5	15791.9	16995.7	17477.3	17532.8
10°	9334.4	9729.5	10229.5	11001.2	11606.2	12766.9	14112.7	15452.4	15989.5	16082.1
12.5°	8198.5	8704.7	9371.4	9927.0	10507.4	11519.8	12810.1	14464.6	15162.2	15582.0
15°	7105.7	7630.5	8365.1	9136.8	9649.2	10859.2	12377.9	14242.3	15149.9	15520.3
17.5°	5982.2	6469.9	7074.9	7908.3	8939.3	10297.5	12310.0	14983.2	15977.1	16409.3
20°	5019.1	5290.7	5994.5	6852.6	8142.9	9723.3	12334.7	16075.9	17532.8	17724.2
22.5°	4642.5	4704.2	4982.0	5772.3	7186.0	9136.8	12773.0	17625.4	19280.0	19909.7
25°	4352.3	4340.0	4414.1	4945.0	6488.4	8908.4	13205.2	19051.5	21218.4	21903.7
27.5°	4191.8	4068.4	4074.5	4574.6	5994.5	8538.0	13760.8	20687.5	23416.2	23718.7
30°	4111.6	4086.9	4012.8	4216.5	5457.4	7982.4	13853.4	22298.8	24712.7	25151.0
32.5°	4062.2	3821.4	3728.8	3802.9	4951.2	7377.4	14199.1	23360.7	26317.8	26126.4
35°	3815.2	3599.2	3537.4	3611.5	4593.1	7037.8	13970.7	24286.7	27521.6	27842.6
37.5°	3722.6	3531.3	3407.8	3346.1	4259.7	6753.8	13853.4	25712.8	28688.4	29460.1
40°	3636.2	3432.5	3284.3	3222.6	4000.5	6377.3	13816.4	26811.7	30034.2	30497.3
42.5°	3537.4	3407.8	3241.1	3130.0	3685.6	6000.7	13390.4	27151.2	30447.9	30947.9
44°	3506.6	3309.0	3136.2	3099.1	3562.1	5809.3	13304.0	27459.9	30805.9	31565.3
45°	3475.7	3290.5	3092.9	3043.6	3518.9	5704.3	13186.7	27534.0	31398.6	31540.6
47.5°	3389.3	3272.0	3080.6	2944.8	3426.3	5475.9	12834.8	27114.2	30793.6	30818.3
50°	3321.4	3185.5	2988.0	2722.5	3302.8	5284.5	12995.3	26959.8	29336.6	29392.2
52.5°	3247.3	3043.6	2932.4	2475.6	3099.1	5124.0	13334.8	27657.4	29503.3	29491.0
55°	3160.9	2938.6	2667.0	2265.7	2759.6	4920.3	14155.9	29034.1	31046.7	31256.6
57.5°	3025.0	2833.7	2444.7	2080.5	2370.6	4531.4	13890.5	26398.0	28564.9	28602.0
60°	2846.0	2667.0	2216.3	1938.5	1944.7	3574.5	12421.2	20570.2	22539.6	23076.7
62.5°	2673.1	2574.4	2024.9	1734.8	1654.5	2846.0	10501.2	17094.5	19347.9	19792.4
65°	2469.4	2228.6	1858.2	1580.4	1419.9	1994.1	7439.1	12773.0	15094.3	15693.1
67.5°	2210.1	1950.8	1636.0	1389.0	1216.2	1333.5	3839.9	7260.1	9612.2	9964.1
70°	1932.3	1691.5	1376.7	1173.0	981.6	919.9	1691.5	3463.4	5253.7	5617.9
72.5°	1586.6	1364.4	1098.9	926.0	734.7	635.9	568.0	926.0	1864.4	2166.9
75°	1148.3	993.9	827.3	660.6	518.6	407.5	333.4	277.8	308.7	333.4
77.5°	845.8	722.3	611.2	469.2	364.2	290.2	228.4	172.9	166.7	160.5
80°	660.6	586.5	487.7	376.6	284.0	216.1	160.5	117.3	105.0	105.0
82.5°	518.6	481.5	401.3	308.7	234.6	172.9	117.3	80.3	67.9	67.9
85°	197.6	197.6	290.2	253.1	179.0	123.5	80.3	43.2	37.0	37.0
87.5°	49.4	49.4	49.4	49.4	43.2	37.0	37.0	18.5	12.3	12.3
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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