

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: P956579

Luminaire Tested: **GLAN-SB9A-940-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-940-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29501 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 255.5
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



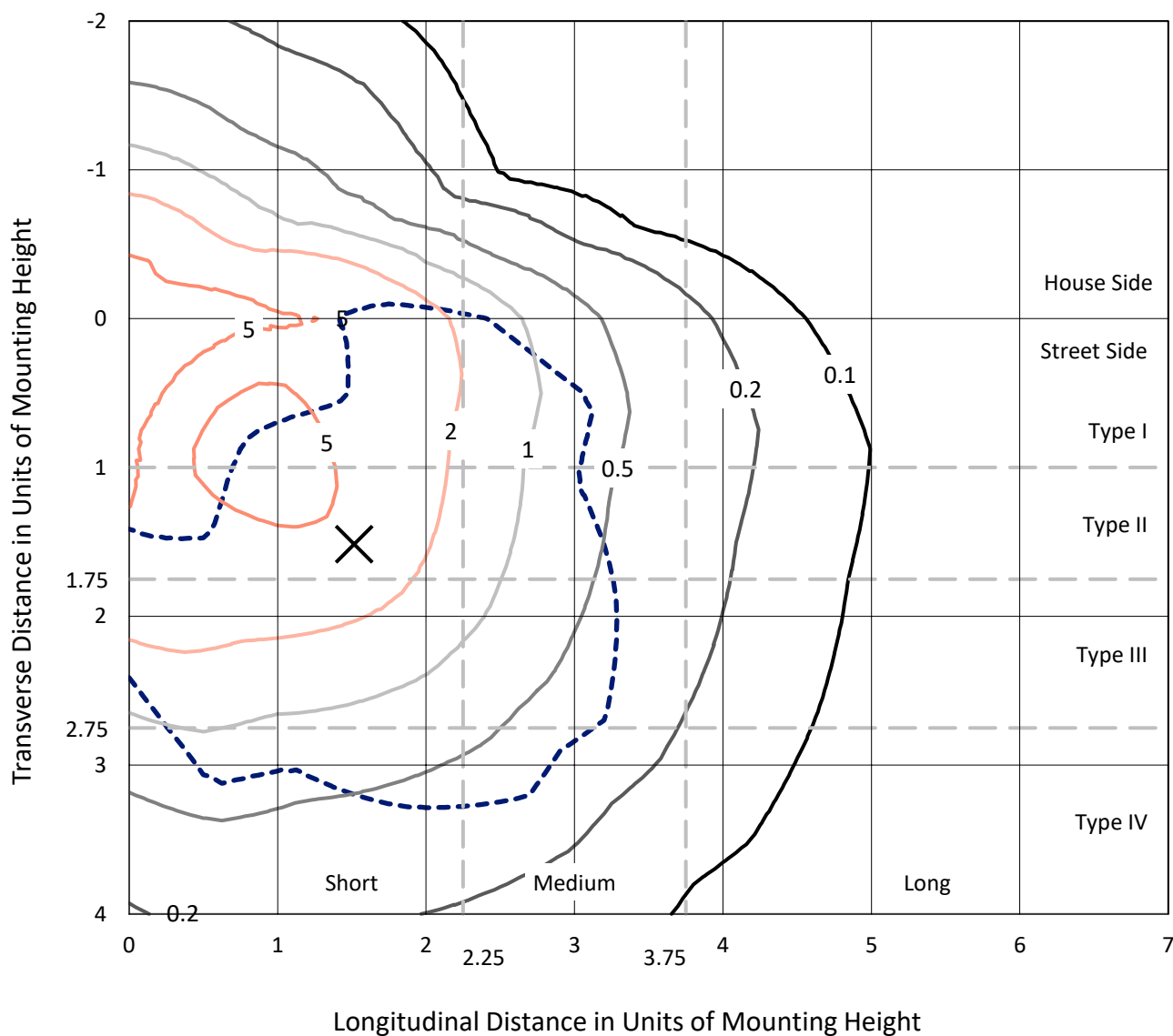
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

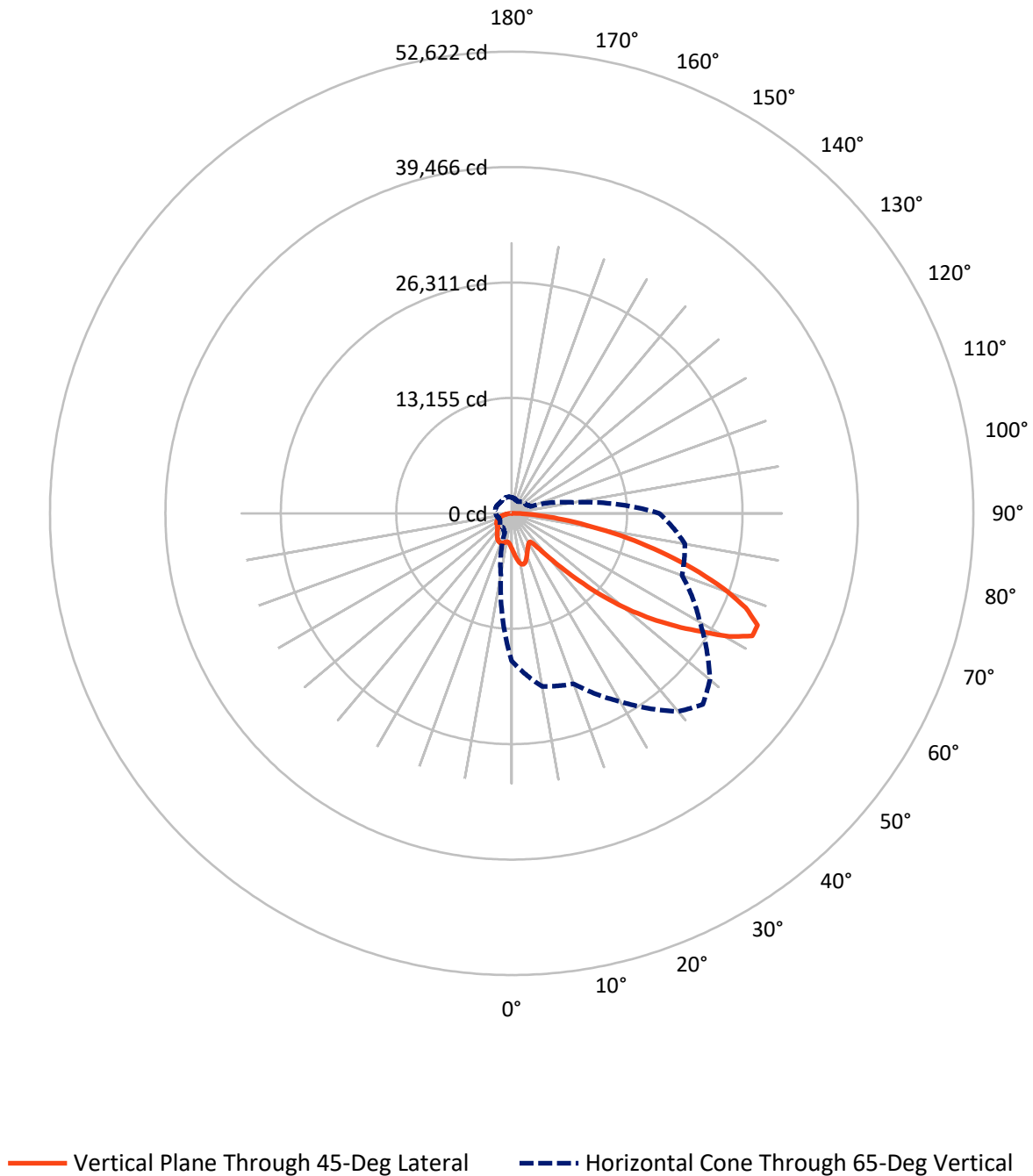


Based on 25 foot mounting height. Maximum calculated value = 9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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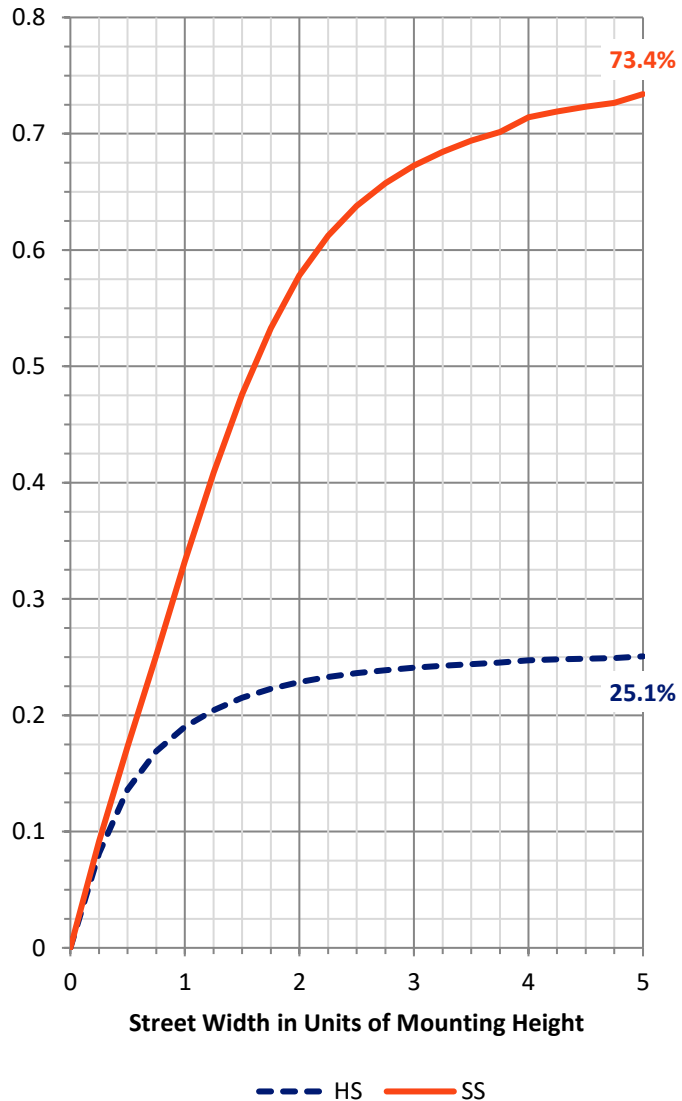
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7497.7	0.0	7497.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	22003.3	0.0	22003.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	29501.0	0.0	29501.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.4	1.4
10°-20°	1263.3	4.3
20°-30°	1951.3	6.6
30°-40°	2472.8	8.4
40°-50°	3729.6	12.6
50°-60°	6025.7	20.4
60°-70°	7512.0	25.5
70°-80°	4926.0	16.7
80°-90°	1217.8	4.1
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°	29501.0	100.0
0°-180°	29501.0	100.0

Coefficient of Utilization



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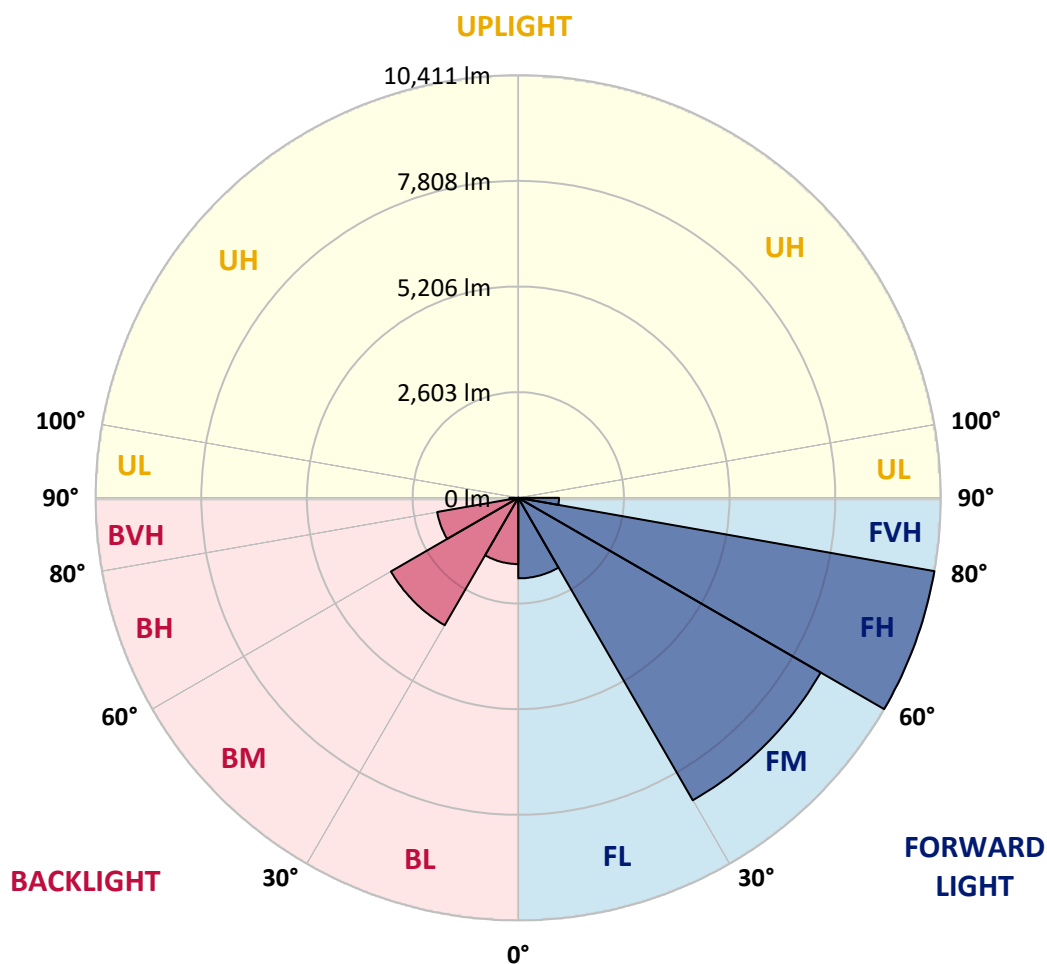
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1984.3	6.7			
FM	(30°-60°)	8604.8	29.2			
FH	(60°-80°)	10411.0	35.3			G4/12000
FVH	(80°-90°)	1003.2	3.4			G5
BL	(0°-30°)	1632.7	5.5	B3/2500		
BM	(30°-60°)	3623.3	12.3	B3/5000		
BH	(60°-80°)	2027.0	6.9	B3/2500		G3/2500
BVH	(80°-90°)	214.6	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
2.5°	4362.5	4379.0	4395.7	4419.2	4442.7	4456.7	4470.7	4477.7	4484.7	4481.6
5°	4691.0	4748.7	4806.6	4863.9	4921.4	4952.5	4983.6	5002.5	5021.5	5035.8
7.5°	5021.0	5115.0	5208.9	5293.4	5377.9	5428.8	5479.7	5507.3	5534.7	5547.9
10°	5273.9	5385.1	5496.2	5595.4	5694.6	5754.6	5814.4	5841.2	5867.8	5877.9
12.5°	5428.8	5549.3	5669.6	5759.3	5848.7	5892.2	5935.8	5950.5	5965.1	5966.7
15°	5523.0	5627.0	5730.8	5787.0	5843.4	5844.9	5846.5	5830.9	5815.3	5797.0
17.5°	5575.9	5646.1	5716.3	5717.4	5718.4	5655.3	5592.3	5534.5	5476.6	5435.8
20°	5634.3	5658.8	5683.3	5609.4	5535.5	5396.3	5257.1	5155.8	5054.5	4992.2
22.5°	5702.0	5670.0	5637.9	5484.7	5331.5	5126.8	4922.1	4795.4	4668.7	4599.9
25°	5789.2	5688.0	5586.8	5354.3	5121.7	4873.1	4624.5	4491.3	4358.3	4293.3
27.5°	5907.5	5726.6	5545.6	5237.5	4929.6	4654.1	4378.6	4247.5	4116.6	4055.1
30°	6067.1	5797.3	5527.7	5148.5	4769.3	4482.2	4195.2	4073.6	3952.0	3894.7
32.5°	6255.4	5886.0	5516.8	5087.8	4658.8	4389.0	4119.2	4023.8	3928.2	3887.0
35°	6484.2	6032.2	5580.3	5133.2	4686.3	4498.9	4311.6	4289.4	4267.1	4263.7
37.5°	6869.5	6337.8	5806.0	5399.7	4993.4	4981.3	4969.2	5071.0	5172.8	5225.7
40°	7451.7	6873.4	6295.1	5993.0	5690.8	5904.1	6117.3	6364.8	6612.4	6735.6
42.5°	8223.8	7650.0	7076.2	6902.2	6728.2	7193.3	7658.4	8108.6	8558.8	8823.1
45°	9177.3	8661.8	8146.3	8069.5	7992.6	8737.8	9483.1	10222.9	10962.7	11411.8
47.5°	10369.7	9868.3	9366.7	9351.1	9335.6	10410.6	11485.3	12568.3	13651.1	14287.0
50°	11932.5	11313.1	10693.9	10696.6	10699.2	12084.6	13470.0	14899.5	16329.0	17193.2
52.5°	13726.6	12976.6	12226.7	12150.9	12075.0	13729.8	15384.7	17153.4	18921.9	199

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
4484.7	2.5°	4477.7	4470.7	4456.7	4442.7	4419.2	4395.7	4379.0	4362.5	4329.1	4295.6
5021.5	5°	5002.5	4983.6	4952.5	4921.4	4863.9	4806.6	4748.7	4691.0	4617.0	4543.1
5534.7	7.5°	5507.3	5479.7	5428.8	5377.9	5293.4	5208.9	5115.0	5021.0	4898.9	4777.1
5867.8	10°	5841.2	5814.4	5754.6	5694.6	5595.4	5496.2	5385.1	5273.9	5119.7	4965.4
5965.1	12.5°	5950.5	5935.8	5892.2	5848.7	5759.3	5669.6	5549.3	5428.8	5259.3	5089.9
5815.3	15°	5830.9	5846.5	5844.9	5843.4	5787.0	5730.8	5627.0	5523.0	5346.3	5169.6
5476.6	17.5°	5534.5	5592.3	5655.3	5718.4	5717.4	5716.3	5646.1	5575.9	5396.8	5217.6
5054.5	20°	5155.8	5257.1	5396.3	5535.5	5609.4	5683.3	5658.8	5634.3	5448.1	5261.8
4668.7	22.5°	4795.4	4922.1	5126.8	5331.5	5484.7	5637.9	5670.0	5702.0	5511.8	5321.4
4358.3	25°	4491.3	4624.5	4873.1	5121.7	5354.3	5586.8	5688.0	5789.2	5602.7	5416.4
4116.6	27.5°	4247.5	4378.6	4654.1	4929.6	5237.5	5545.6	5726.6	5907.5	5729.7	5551.8
3952.0	30°	4073.6	4195.2	4482.2	4769.3	5148.5	5527.7	5797.3	6067.1	5895.2	5723.5
3928.2	32.5°	4023.8	4119.2	4389.0	4658.8	5087.8	5516.8	5886.0	6255.4	6085.3	5915.3
4267.1	35°	4289.4	4311.6	4498.9	4686.3	5133.2	5580.3	6032.2	6484.2	6321.4	6158.4
5172.8	37.5°	5071.0	4969.2	4981.3	4993.4	5399.7	5806.0	6337.8	6869.5	6661.9	6454.2
6612.4	40°	6364.8	6117.3	5904.1	5690.8	5993.0	6295.1	6873.4	7451.7	7149.1	6846.5
8558.8	42.5°	8108.6	7658.4	7193.3	6728.2	6902.2	7076.2	7650.0	8223.8	7787.0	7350.2
10962.7	45°	10222.9	9483.1	8737.8	7992.6	8069.5	8146.3	8661.8	9177.3	8588.1	7998.9
13651.1	47.5°	12568.3	11485.3	10410.6	9335.6	9351.1	9366.7	9868.3	10369.7	9540.4	8711.0
16329.0	50°	14899.5	1								

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
4259.9	2.5°	4224.4	4188.6	4152.8	4118.6	4084.4	4051.2	4014.3	3984.4	3954.7	3927.8
4469.3	5°	4395.7	4321.4	4247.3	4178.1	4108.8	4043.4	3978.8	3922.5	3866.0	3818.6
4664.4	7.5°	4551.7	4441.9	4332.2	4235.5	4138.8	4049.6	3966.0	3891.0	3816.1	3753.9
4816.4	10°	4667.6	4534.4	4401.0	4286.7	4172.1	4062.1	3972.3	3893.2	3814.1	3751.8
4921.2	12.5°	4752.5	4595.2	4438.0	4308.7	4179.3	4063.6	3980.1	3915.3	3850.9	3809.4
4986.6	15°	4803.5	4622.5	4441.4	4291.7	4141.9	4013.8	3946.9	3915.9	3885.1	3890.7
5017.9	17.5°	4818.2	4608.0	4397.9	4217.8	4037.7	3887.0	3845.7	3857.1	3868.3	3936.2
5042.3	20°	4822.8	4568.2	4313.5	4090.3	3867.0	3691.6	3680.7	3733.6	3786.6	3904.4
5075.3	22.5°	4829.1	4519.3	4209.5	3940.7	3671.8	3472.1	3493.4	3571.7	3650.0	3784.5
5135.1	25°	4853.6	4471.0	4088.6	3773.6	3458.9	3254.2	3311.8	3402.1	3492.4	3613.3
5228.5	27.5°	4905.0	4438.8	3972.6	3620.9	3269.3	3083.0	3153.0	3240.2	3327.3	3426.8
5349.4	30°	4975.4	4423.7	3871.7	3493.3	3114.9	2958.4	3013.4	3082.5	3151.9	3234.4
5475.7	32.5°	5036.1	4405.0	3773.6	3383.2	2992.7	2866.6	2891.0	2932.0	2972.9	3038.7
5619.5	35°	5080.6	4369.8	3659.4	3275.0	2890.7	2785.6	2775.5	2786.7	2798.1	2848.4
5780.6	37.5°	5107.1	4309.6	3512.1	3147.7	2783.3	2691.5	2654.4	2642.0	2629.5	2665.6
5985.2	40°	5123.7	4226.6	3329.7	2995.8	2661.9	2578.6	2521.8	2493.6	2465.4	2491.4
6252.8	42.5°	5155.3	4141.0	3127.0	2828.1	2529.3	2452.5	2380.9	2343.5	2306.2	2327.4
6604.9	45°	5210.9	4061.5	2912.2	2650.0	2387.9	2310.1	2240.8	2204.4	2168.1	2185.9
6980.0	47.5°	5249.0	3995.8	2742.5	2509.2	2275.8	2175.4	2115.8	2085.3	2054.8	2071.6
7328.1	50°	5224.1	3924								

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
3901.0	2.5°	3877.5	3854.0	3830.3	3806.8	3788.6	3770.2	3755.4	3740.6	3729.1	3717.6
3771.5	5°	3729.7	3688.0	3650.2	3612.2	3583.1	3553.8	3533.5	3513.1	3498.6	3484.1
3691.6	7.5°	3639.1	3586.5	3540.1	3493.9	3459.2	3424.6	3400.4	3376.1	3359.4	3342.9
3689.6	10°	3633.1	3576.4	3524.3	3472.1	3430.7	3389.1	3362.1	3334.7	3318.9	3303.2
3768.3	12.5°	3723.8	3679.6	3625.6	3571.7	3518.8	3465.9	3430.9	3395.8	3378.3	3360.8
3896.3	15°	3884.8	3873.3	3826.4	3779.6	3704.2	3628.9	3575.6	3522.4	3498.0	3473.7
4004.0	17.5°	4040.1	4076.1	4038.3	4000.6	3900.8	3801.0	3722.6	3644.1	3608.0	3571.7
4022.4	20°	4097.9	4173.4	4156.0	4138.4	4024.3	3910.3	3814.1	3718.1	3671.8	3625.4
3919.3	22.5°	4017.6	4115.8	4126.4	4136.8	4027.8	3918.9	3819.9	3720.7	3672.0	3623.1
3734.4	25°	3831.1	3927.8	3963.9	3999.8	3910.5	3821.3	3733.2	3645.4	3603.0	3560.8
3526.1	27.5°	3603.7	3681.2	3721.3	3761.7	3698.0	3634.5	3566.1	3497.8	3469.5	3441.0
3316.9	30°	3381.2	3445.7	3478.3	3511.0	3462.6	3414.1	3365.2	3316.0	3301.5	3286.9
3104.7	32.5°	3166.4	3228.2	3264.5	3300.9	3256.4	3211.7	3172.6	3133.5	3124.0	3114.6
2898.5	35°	2959.5	3020.7	3064.3	3107.9	3076.1	3044.5	3008.4	2972.4	2958.0	2943.6
2701.6	37.5°	2762.4	2823.5	2877.3	2931.2	2916.5	2901.9	2868.8	2835.4	2809.1	2783.0
2517.4	40°	2576.3	2635.1	2697.1	2759.2	2762.8	2766.2	2738.0	2709.8	2671.5	2633.5
2348.7	42.5°	2404.4	2460.3	2527.2	2594.2	2612.1	2630.0	2606.2	2582.5	2535.0	2487.5
2203.9	45°	2256.8	2309.8	2379.2	2448.6	2474.3	2500.0	2478.5	2457.2	2402.9	2348.7
2088.3	47.5°	2140.1	2191.8	2260.3	2328.8	2358.3	2387.9	2373.0	2358.0	2309.8	2261.5
2004.2	50°	2053.1	2101.8								

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
3707.0	2.5°	3696.3	3683.0	3696.3	3707.0	3717.6	3729.1	3740.6	3755.4	3770.2	3788.6
3473.1	5°	3462.0	3451.1	3462.0	3473.1	3484.1	3498.6	3513.1	3533.5	3553.8	3583.1
3333.0	7.5°	3323.1	3315.7	3323.1	3333.0	3342.9	3359.4	3376.1	3400.4	3424.6	3459.2
3294.8	10°	3286.4	3283.0	3286.4	3294.8	3303.2	3318.9	3334.7	3362.1	3389.1	3430.7
3353.7	12.5°	3346.5	3345.3	3346.5	3353.7	3360.8	3378.3	3395.8	3430.9	3465.9	3518.8
3464.3	15°	3455.0	3454.2	3455.0	3464.3	3473.7	3498.0	3522.4	3575.6	3628.9	3704.2
3559.9	17.5°	3547.9	3546.1	3547.9	3559.9	3571.7	3608.0	3644.1	3722.6	3801.0	3900.8
3610.7	20°	3595.9	3591.2	3595.9	3610.7	3625.4	3671.8	3718.1	3814.1	3910.3	4024.3
3606.8	22.5°	3590.4	3583.4	3590.4	3606.8	3623.1	3672.0	3720.7	3819.9	3918.9	4027.8
3545.4	25°	3530.2	3521.2	3530.2	3545.4	3560.8	3603.0	3645.4	3733.2	3821.3	3910.5
3434.0	27.5°	3427.0	3424.6	3427.0	3434.0	3441.0	3469.5	3497.8	3566.1	3634.5	3698.0
3286.9	30°	3286.9	3289.2	3286.9	3286.9	3286.9	3301.5	3316.0	3365.2	3414.1	3462.6
3115.8	32.5°	3117.2	3119.5	3117.2	3115.8	3114.6	3124.0	3133.5	3172.6	3211.7	3256.4
2940.5	35°	2937.4	2935.9	2937.4	2940.5	2943.6	2958.0	2972.4	3008.4	3044.5	3076.1
2769.1	37.5°	2755.3	2747.5	2755.3	2769.1	2783.0	2809.1	2835.4	2868.8	2901.9	2916.5
2607.7	40°	2582.2	2566.9	2582.2	2607.7	2633.5	2671.5	2709.8	2738.0	2766.2	2762.8
2450.0	42.5°	2412.5	2387.9	2412.5	2450.0	2487.5	2535.0	2582.5	2606.2	2630.0	2612.1
2304.6	45°	2260.6	2232.2	2260.6	2304.6	2348.7	2402.9	2457.2	2478.5	2500.0	2474.3
2220.7	47.5°	2180.1	2152.9	2180.1	2220.7	2261.5	2309.8	2358.0	2373.0	2387.9	2358.3
2184.0	50°	2146.3	2120								

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
3806.8	2.5°	3830.3	3854.0	3877.5	3901.0	3927.8	3954.7	3984.4	4014.3	4051.2	4084.4
3612.2	5°	3650.2	3688.0	3729.7	3771.5	3818.6	3866.0	3922.5	3978.8	4043.4	4108.8
3493.9	7.5°	3540.1	3586.5	3639.1	3691.6	3753.9	3816.1	3891.0	3966.0	4049.6	4138.8
3472.1	10°	3524.3	3576.4	3633.1	3689.6	3751.8	3814.1	3893.2	3972.3	4062.1	4172.1
3571.7	12.5°	3625.6	3679.6	3723.8	3768.3	3809.4	3850.9	3915.3	3980.1	4063.6	4179.3
3779.6	15°	3826.4	3873.3	3884.8	3896.3	3890.7	3885.1	3915.9	3946.9	4013.8	4141.9
4000.6	17.5°	4038.3	4076.1	4040.1	4004.0	3936.2	3868.3	3857.1	3845.7	3887.0	4037.7
4138.4	20°	4156.0	4173.4	4097.9	4022.4	3904.4	3786.6	3733.6	3680.7	3691.6	3867.0
4136.8	22.5°	4126.4	4115.8	4017.6	3919.3	3784.5	3650.0	3571.7	3493.4	3472.1	3671.8
3999.8	25°	3963.9	3927.8	3831.1	3734.4	3613.3	3492.4	3402.1	3311.8	3254.2	3458.9
3761.7	27.5°	3721.3	3681.2	3603.7	3526.1	3426.8	3327.3	3240.2	3153.0	3083.0	3269.3
3511.0	30°	3478.3	3445.7	3381.2	3316.9	3234.4	3151.9	3082.5	3013.4	2958.4	3114.9
3300.9	32.5°	3264.5	3228.2	3166.4	3104.7	3038.7	2972.9	2932.0	2891.0	2866.6	2992.7
3107.9	35°	3064.3	3020.7	2959.5	2898.5	2848.4	2798.1	2786.7	2775.5	2785.6	2890.7
2931.2	37.5°	2877.3	2823.5	2762.4	2701.6	2665.6	2629.5	2642.0	2654.4	2691.5	2783.3
2759.2	40°	2697.1	2635.1	2576.3	2517.4	2491.4	2465.4	2493.6	2521.8	2578.6	2661.9
2594.2	42.5°	2527.2	2460.3	2404.4	2348.7	2327.4	2306.2	2343.5	2380.9	2452.5	2529.3
2448.6	45°	2379.2	2309.8	2256.8	2203.9	2185.9	2168.1	2204.4	2240.8	2310.1	2387.9
2328.8	47.5°	2260.3	2191.8	2140.1	2088.3	2071.6	2054.8	2085.3	2115.8	2175.4	2275.8
2224.5	50°	2163.1	21								

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
4118.6	2.5°	4152.8	4188.6	4224.4	4259.9	4295.6	4329.1	4362.5
4178.1	5°	4247.3	4321.4	4395.7	4469.3	4543.1	4617.0	4691.0
4235.5	7.5°	4332.2	4441.9	4551.7	4664.4	4777.1	4898.9	5021.0
4286.7	10°	4401.0	4534.4	4667.6	4816.4	4965.4	5119.7	5273.9
4308.7	12.5°	4438.0	4595.2	4752.5	4921.2	5089.9	5259.3	5428.8
4291.7	15°	4441.4	4622.5	4803.5	4986.6	5169.6	5346.3	5523.0
4217.8	17.5°	4397.9	4608.0	4818.2	5017.9	5217.6	5396.8	5575.9
4090.3	20°	4313.5	4568.2	4822.8	5042.3	5261.8	5448.1	5634.3
3940.7	22.5°	4209.5	4519.3	4829.1	5075.3	5321.4	5511.8	5702.0
3773.6	25°	4088.6	4471.0	4853.6	5135.1	5416.4	5602.7	5789.2
3620.9	27.5°	3972.6	4438.8	4905.0	5228.5	5551.8	5729.7	5907.5
3493.3	30°	3871.7	4423.7	4975.4	5349.4	5723.5	5895.2	6067.1
3383.2	32.5°	3773.6	4405.0	5036.1	5475.7	5915.3	6085.3	6255.4
3275.0	35°	3659.4	4369.8	5080.6	5619.5	6158.4	6321.4	6484.2
3147.7	37.5°	3512.1	4309.6	5107.1	5780.6	6454.2	6661.9	6869.5
2995.8	40°	3329.7	4226.6	5123.7	5985.2	6846.5	7149.1	7451.7
2828.1	42.5°	3127.0	4141.0	5155.3	6252.8	7350.2	7787.0	8223.8
2650.0	45°	2912.2	4061.5	5210.9	6604.9	7998.9	8588.1	9177.3
2509.2	47.5°	2742.5	3995.8	5249.0	6980.0	8711.0	9540.4	10369.7
2415.6	50°	2624.2	3924.2	5224.1	7328.1	9432.1	10682.4	11932.5
2354.0	52.5°	2535.8	3803.2	5070.8	7554.1	10037.3	11881.9	13726.6
2309.3	55°	2451.4	3602.7	4754.0	7504.3	10254.5	12945.4	15636.6
2256.4	57.5°	2356.8	3320.0	4283.1	7153.8	10024.5	13699.2	17373.8
2175.4	60°	2254.3	2953.0	3651.6	6501.4	9351.1	13887.5	18423.8
2034.7	62.5°	2087.2	2513.7	2940.2	5619.2	8298.2	13094.4	17890.6
1894.6	65°	1919.4	2118.5	2317.5	4719.2	7120.9</		