

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: P953586

Luminaire Tested: **GLAN-SB7A-830-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-830-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28609 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 199.1
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



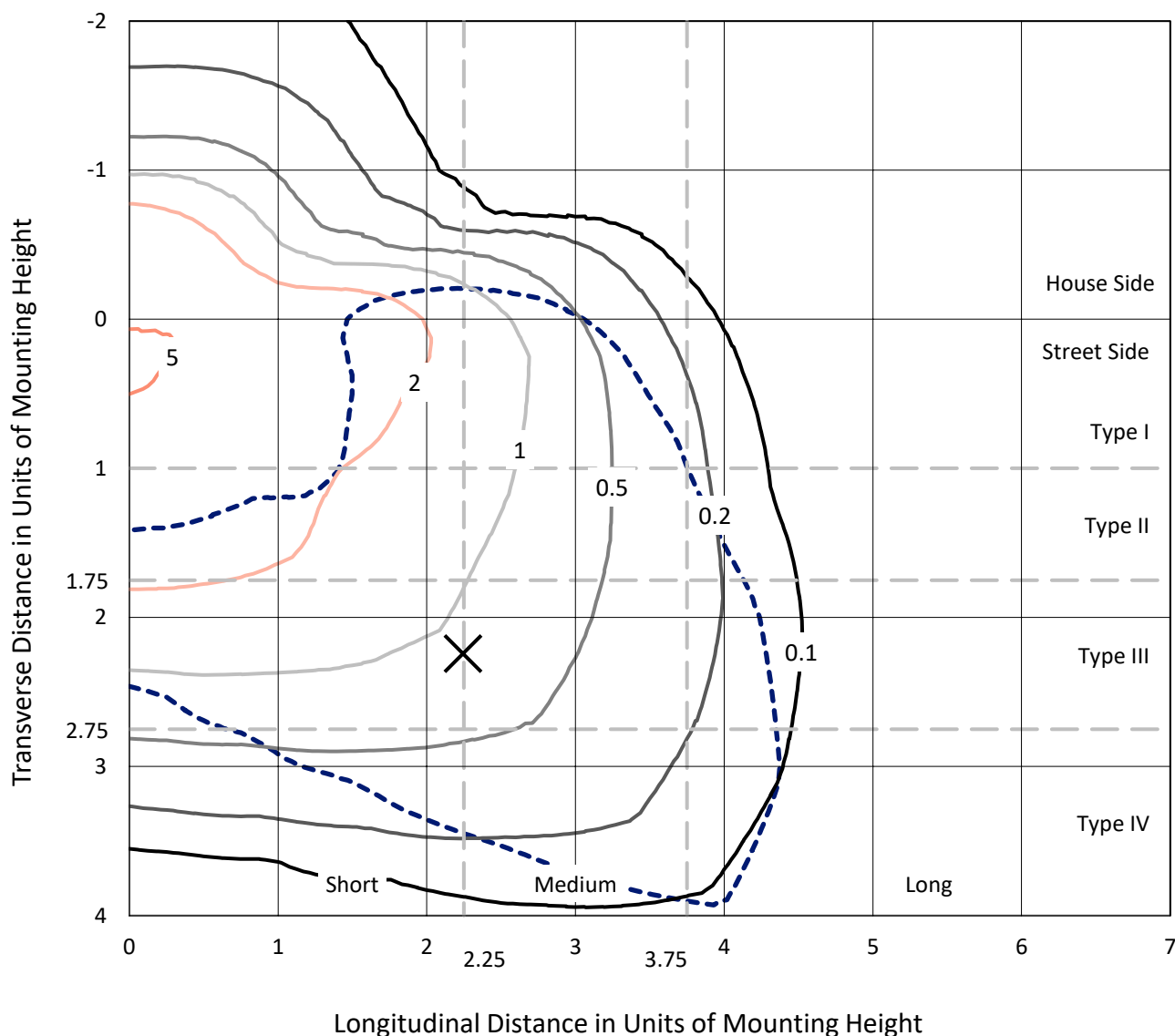
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

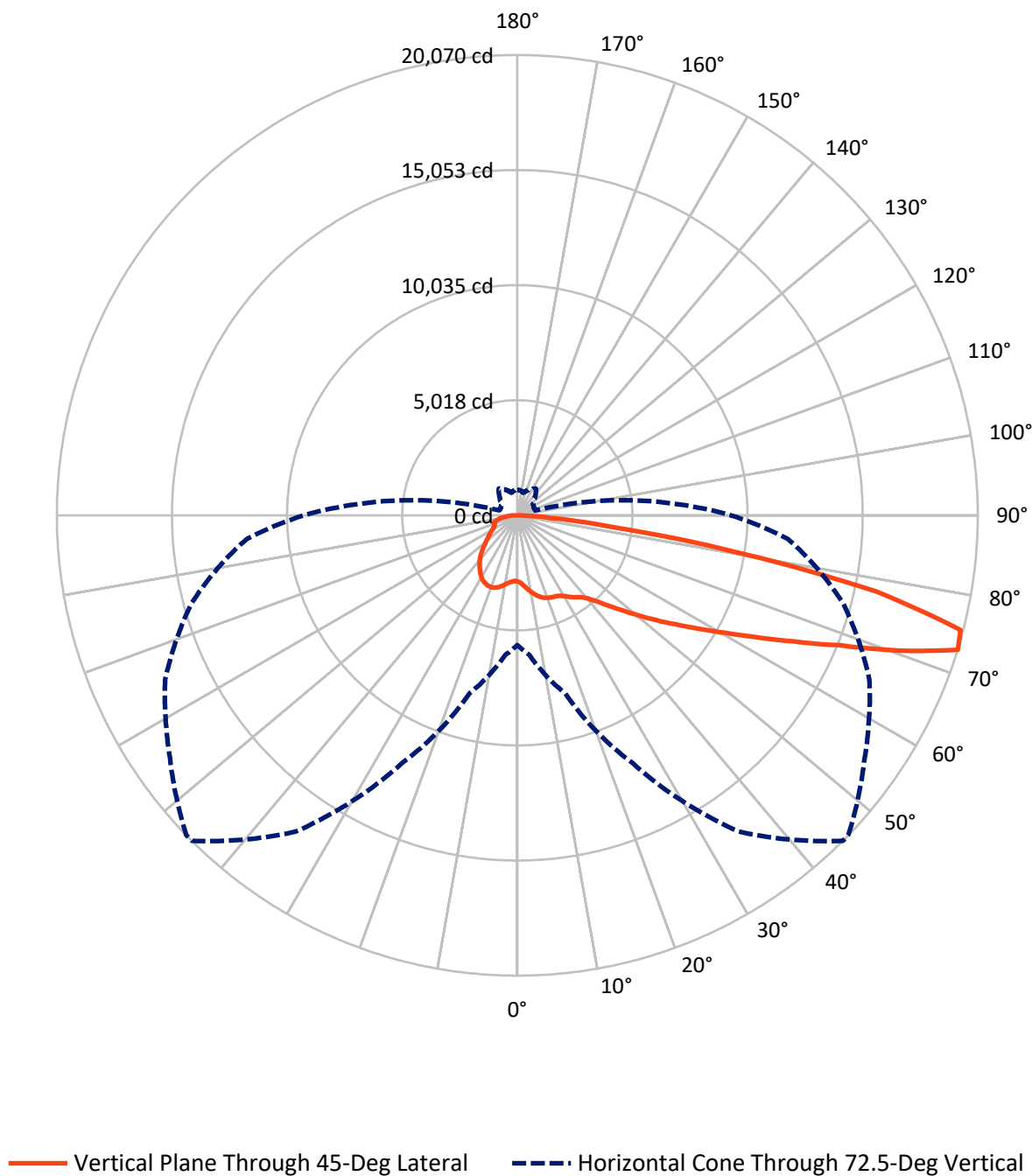


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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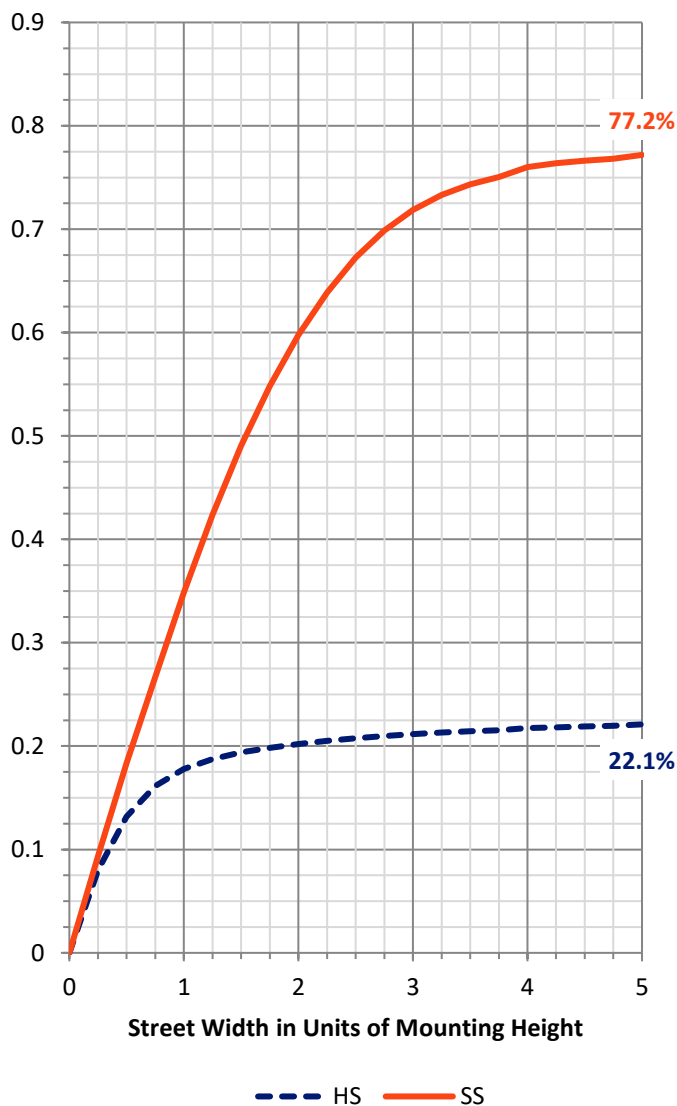
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6467.5	0.0	6467.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	22141.5	0.0	22141.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	28609.0	0.0	28609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	1.0
10°-20°	979.4	3.4
20°-30°	1703.7	6.0
30°-40°	2442.4	8.5
40°-50°	3439.0	12.0
50°-60°	5267.5	18.4
60°-70°	7630.8	26.7
70°-80°	6093.6	21.3
80°-90°	758.9	2.7
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°	28609.0	100.0
0°-180°	28609.0	100.0

Coefficient of Utilization



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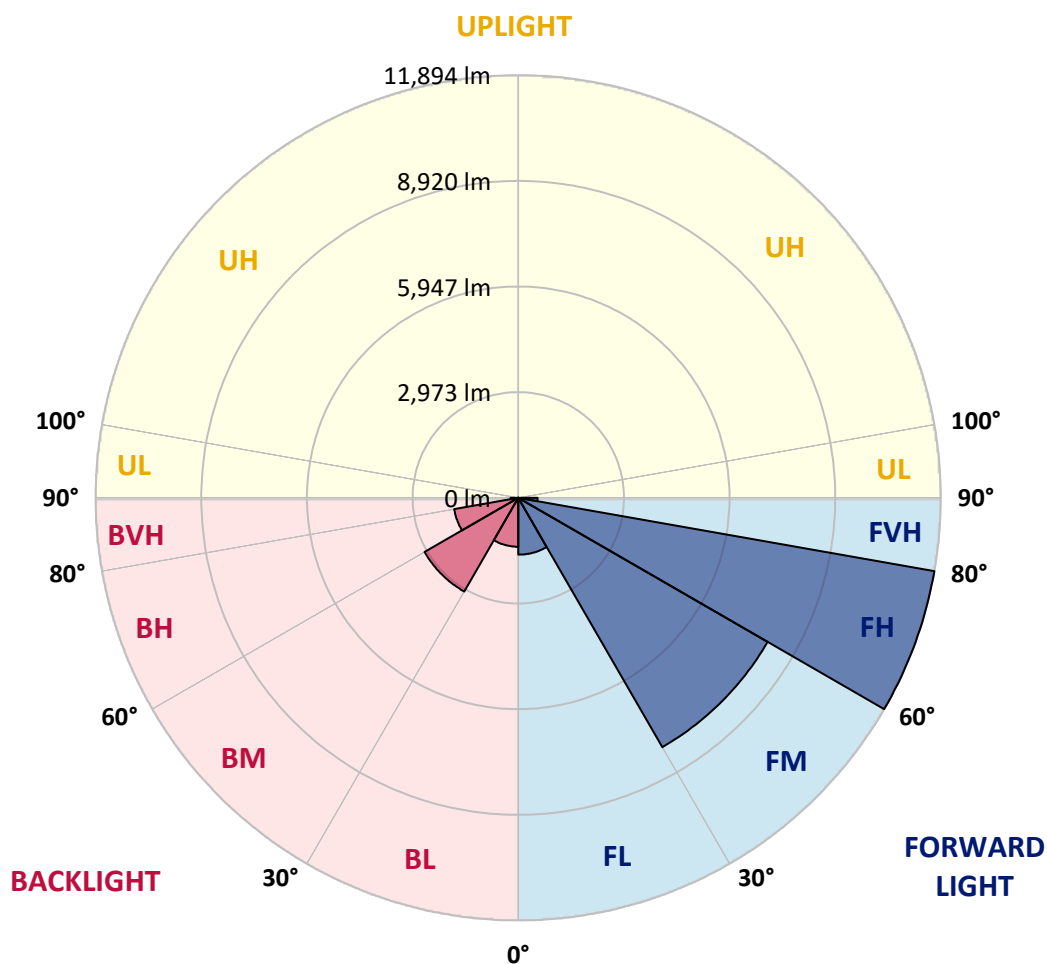
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1599.9	5.6			
FM	(30°-60°)	8103.6	28.3			
FH	(60°-80°)	11893.6	41.6			G4/12000
FVH	(80°-90°)	544.5	1.9			G4/750
BL	(0°-30°)	1377.0	4.8	B3/2500		
BM	(30°-60°)	3045.3	10.6	B3/5000		
BH	(60°-80°)	1830.8	6.4	B3/2500		G3/2500
BVH	(80°-90°)	214.5	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1
2.5°	2999.1	3018.7	3000.6	2984.1	2976.5	2956.9	2955.4	2943.4	2935.8	2914.7
5°	3208.6	3234.2	3204.1	3170.9	3140.8	3092.6	3086.5	3051.9	3012.7	2967.5
7.5°	3445.2	3467.8	3433.2	3383.4	3330.7	3250.8	3249.3	3186.0	3124.2	3047.4
10°	3651.7	3681.8	3635.1	3567.3	3501.0	3410.6	3400.0	3327.7	3249.3	3149.8
12.5°	3834.1	3855.2	3809.9	3727.1	3650.2	3559.8	3546.2	3466.3	3378.9	3265.9
15°	3978.7	4005.9	3945.6	3856.7	3775.3	3686.4	3674.3	3602.0	3514.6	3395.5
17.5°	4073.7	4096.3	4034.5	3935.0	3856.7	3782.8	3773.8	3713.5	3636.6	3516.1
20°	4109.9	4134.0	4069.2	3968.2	3895.8	3838.6	3834.1	3790.3	3737.6	3627.6
22.5°	4146.0	4168.6	4084.2	3978.7	3915.4	3879.3	3877.8	3849.1	3828.0	3737.6
25°	4292.2	4298.2	4185.2	4033.0	3942.6	3910.9	3909.4	3907.9	3916.9	3846.1
27.5°	4418.8	4417.3	4320.8	4177.7	4037.5	3971.2	3969.7	3984.8	4013.4	3954.6
30°	4604.2	4587.6	4473.1	4323.9	4195.8	4093.3	4084.2	4070.7	4093.3	4046.6
32.5°	4997.5	4944.8	4759.4	4494.2	4326.9	4248.5	4236.5	4152.1	4161.1	4132.5
35°	5561.2	5491.9	5244.7	4816.7	4489.6	4378.1	4372.1	4265.1	4247.0	4221.4
37.5°	6231.8	6145.9	5858.1	5283.9	4770.0	4528.8	4519.8	4423.3	4349.5	4322.4
40°	6905.5	6797.0	6558.9	5853.6	5182.9	4780.5	4751.9	4605.7	4521.3	4476.1
42.5°	7559.6	7469.2	7265.7	6492.6	5692.3	5148.2	5084.9	4834.8	4771.5	4729.3
45°	8138.3	8056.9	7907.7	7175.3	6289.1	5648.6	5586.8	5178.4	5158.8	5158.8
47.5°	8608.5	8590.5	8432.2	7871.6	6992.9	6218.3	6111.3	5656.1	5708.9	5790.3
50°	9130.0	9080.3	8911.5	8557.3	7820.3	6870.9	6783.4	6242.4	6439.8	6662.9
52.5°	9609.3	9636.4	9448.0	9271.7	8754.7	7598.8	7445.1	6934.2	7360.7	7729.9
55°	10102.1	10103.6	10050.8	10026.7	9734.3	8403.6	8234.8	7766.1	8444.3	8902.4
57.5°	10564.8	10567.8	10646.1	10858.6	10870.7	9331.9	9140.5	8787.9	9648.4	10115.6
60°	10977.7	10998.8	11212.8	11710.1	11869.9	10396.0	10215.1	9995.1	10893.3	11363.5
62.5°	11116.3	11193.2	11669.5	12376.3	12857.0	11701.1	11523.3	11392.1	12201.5	12638.5
65°	10881.2	11057.6	11978.4	12926.4	13872.8	13251.9	13075.6	12932.4	13560.9	13972.3
67.5°	10304.0	10531.6	11960.3	13503.6	15105.6	15117.7	14953.4	14617.3	15018.2	15176.5
70°	8783.4	9124.0	10906.9	13719.1	16520.8	17669.2	17511.0	16645.9	16472.6	15707.0
72.5°	5659.2	6117.3	8031.3	11945.3	16835.8	20070.0	20061.0	18477.0	16932.2	14676.1
75°	2064.7	2345.0	3731.6	7497.8	14132.1	19947.9	20006.7	18163.5	15456.8	11336.4
77.5°	752.0	822.9	1217.7	2881.6	8691.4	16005.4	16127.4	14520.9	11001.8	5689.3
80°	394.9	434.0	623.9	1118.3	3724.0	9505.3	9696.7	8629.6	5170.9	1713.6
82.5°	218.5	236.6	349.6	607.4	1677.4	4064.6	4179.2	3409.1	1819.1	726.4
85°	117.6	125.1	164.3	331.6	819.9	1409.1	1440.8	1018.8	724.9	426.5
87.5°	34.7	42.2	54.3	105.5	321.0	316.5	324.0	202.0	286.3	215.5
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2886.1	0°	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1	2886.1
2908.7	2.5°	2899.7	2895.1	2878.6	2871.0	2862.0	2860.5	2868.0	2869.5	2871.0	2872.5
2941.9	5°	2926.8	2911.7	2896.6	2887.6	2890.6	2892.1	2907.2	2917.7	2925.3	2931.3
3003.6	7.5°	2979.5	2967.5	2941.9	2940.3	2944.9	2958.4	2978.0	3002.1	3015.7	3026.3
3083.5	10°	3057.9	3035.3	3005.2	3009.7	3018.7	3038.3	3079.0	3098.6	3121.2	3140.8
3181.5	12.5°	3137.8	3118.2	3083.5	3086.5	3101.6	3136.3	3175.5	3199.6	3214.6	3229.7
3287.0	15°	3241.8	3207.1	3169.4	3169.4	3196.6	3234.2	3252.3	3271.9	3281.0	3297.5
3400.0	17.5°	3348.8	3303.6	3253.8	3250.8	3284.0	3302.1	3312.6	3315.6	3318.6	3336.7
3510.0	20°	3455.8	3406.0	3335.2	3329.2	3336.7	3333.7	3332.2	3329.2	3333.7	3356.3
3623.1	22.5°	3561.3	3504.0	3406.0	3378.9	3357.8	3329.2	3327.7	3326.2	3329.2	3351.8
3745.1	25°	3684.9	3615.5	3484.4	3403.0	3332.2	3293.0	3297.5	3299.0	3302.1	3320.1
3871.7	27.5°	3819.0	3742.1	3556.7	3395.5	3267.4	3240.3	3232.7	3237.2	3247.8	3276.4
3998.3	30°	3953.1	3862.7	3623.1	3365.3	3186.0	3148.3	3124.2	3134.8	3167.9	3196.6
4108.3	32.5°	4075.2	3984.8	3675.8	3299.0	3082.0	3023.2	2991.6	3005.2	3038.3	3048.9
4230.4	35°	4218.4	4115.9	3698.4	3193.5	2969.0	2878.6	2836.4	2816.8	2833.3	2822.8
4373.6	37.5°	4378.1	4271.1	3695.4	3054.9	2836.4	2732.4	2673.6	2599.7	2565.1	2528.9
4584.6	40°	4614.7	4461.0	3659.2	2887.6	2672.1	2577.1	2471.6	2346.6	2268.2	2197.3
4925.2	42.5°	4937.3	4724.7	3592.9	2703.7	2486.7	2397.8	2254.6	2108.4	1984.8	1867.3
5442.1	45°	5418.0	5069.9	3510.0	2507.8	2286.3	2198.9	2043.6	1879.4	1739.2	1588.5
6176.1	47.5°	6111.3	5534.1	3431.7	2284.8	2075.3	1995.4	1855.2	1703.0	1537.2	1391.1
7237.1	50°	7063.8	6200.2	3359.3	2067.7	1867.3	1807.0	1695.5	1540.3	1373.0	1255.4
8480.4	52.5°	8275.5	7106.0	3329.2	1858.3	1672.9	1650.3	1561.4	1416.7	1258.4	1159.0
9930.3	55°	9666.5	8189.6	3329.2	1657.8	1502.6	1510.1	1448.3	1314.2	1177.0	1088.1
11425.3	57.5°	11086.2	9286.7	3268.9	1472.4	1357.9	1389.5	1350.4	1232.8	1109.2	1017.3
12997.2	60°	12394.4	10206.1	3024.7	1303.6	1229.8	1279.5	1253.9	1152.9	1002.2	925.4
14311.4	62.5°	13399.6	10724.5	2554.5	1169.5	1124.3	1181.6	1168.0	1047.4	982.6	951.0
15390.5	65°	13903.0	10640.1	1953.2	1050.4	1035.4	1124.3	1095.7	1091.1	1039.9	1003.7
15741.6	67.5°	13594.0	9913.7	1416.7	963.0	984.1	1071.5	1181.6	1199.6	1104.7	1033.9
14753.0	70°	12239.1	8599.5	1055.0	880.1	919.3	1073.1	1347.3	1255.4	1083.6	1000.7
11832.2	72.5°	9310.8	6412.7	818.4	792.7	834.9	1080.6	1421.2	1229.8	1023.3	1106.2
7371.2	75°	5324.6	3520.6	657.1	685.7	729.4	1009.8	1383.5	1163.5	976.6	1015.8
2920.8	77.5°	2030.1	1353.4	542.6	580.2	586.3	881.7	1323.2	1159.0	929.9	907.3
875.6	80°	703.8	529.0	449.1	461.2	453.6	783.7	1269.0	1008.2	761.1	681.2
361.7	82.5°	287.9	263.7	355.7	340.6	322.5	608.9	1024.8	824.4	622.4	550.1
174.8	85°	125.1	167.3	235.1	206.5	186.9	422.0	821.4	697.8	526.0	453.6
57.3	87.5°	25.6	63.3	99.5	93.4	96.5	281.8	583.2	495.8	372.3	278.8
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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180°
2886.1
2878.6
2934.3
3029.3
3136.3
3235.7
3303.6
3342.7
3365.3
3366.9
3344.2
3305.1
3228.2
3086.5
2855.9
2551.5
2201.9
1856.7
1570.4
1374.5
1247.9
1151.4
1079.1
1002.2
913.3
940.4
991.7
1021.8
987.1
1097.2
1015.8
827.4
658.6
544.1
452.1
218.5
0.0