

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: P953731

Luminaire Tested: **GLAN-SB7A-940-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-940-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23732 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
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



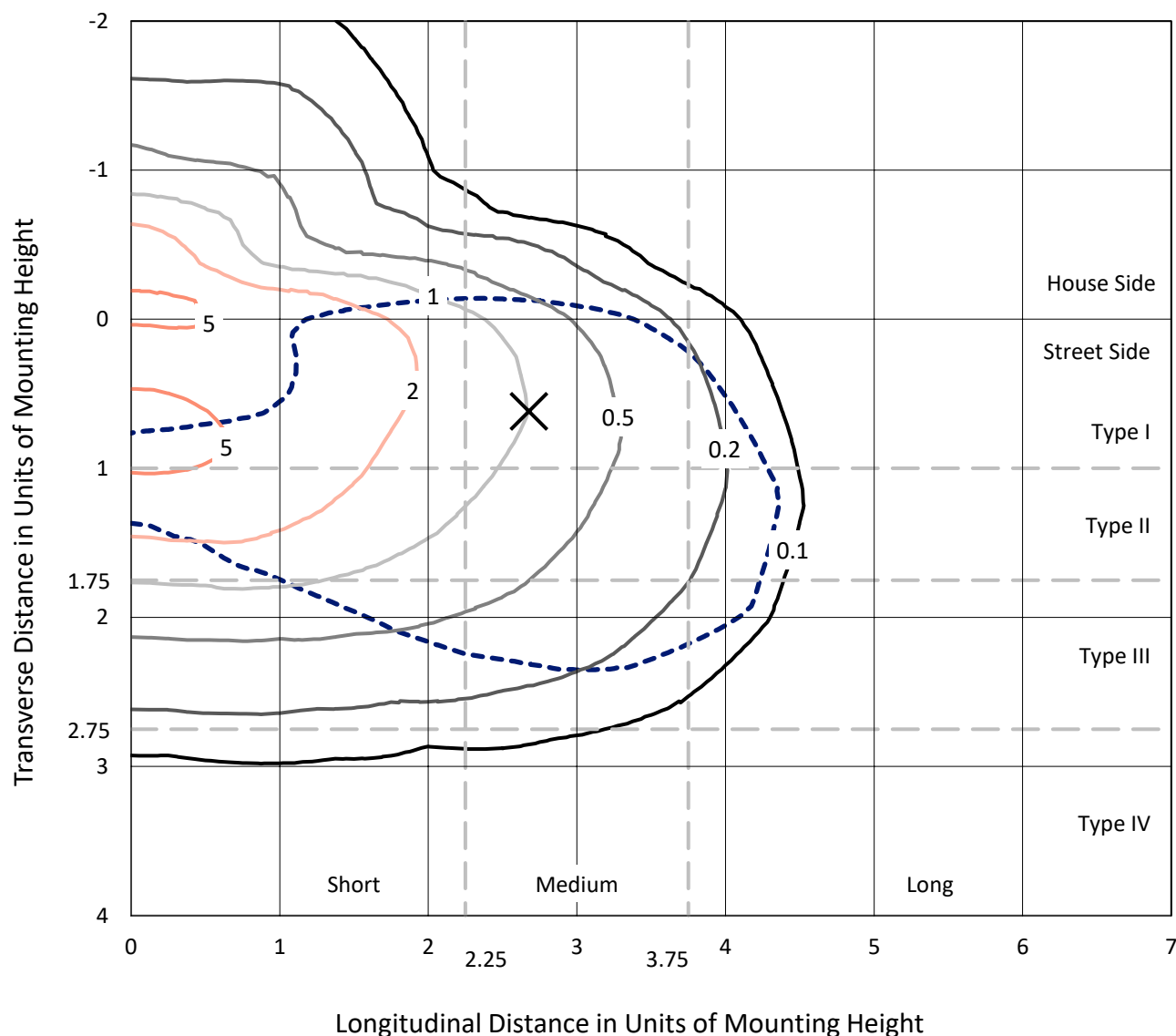
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

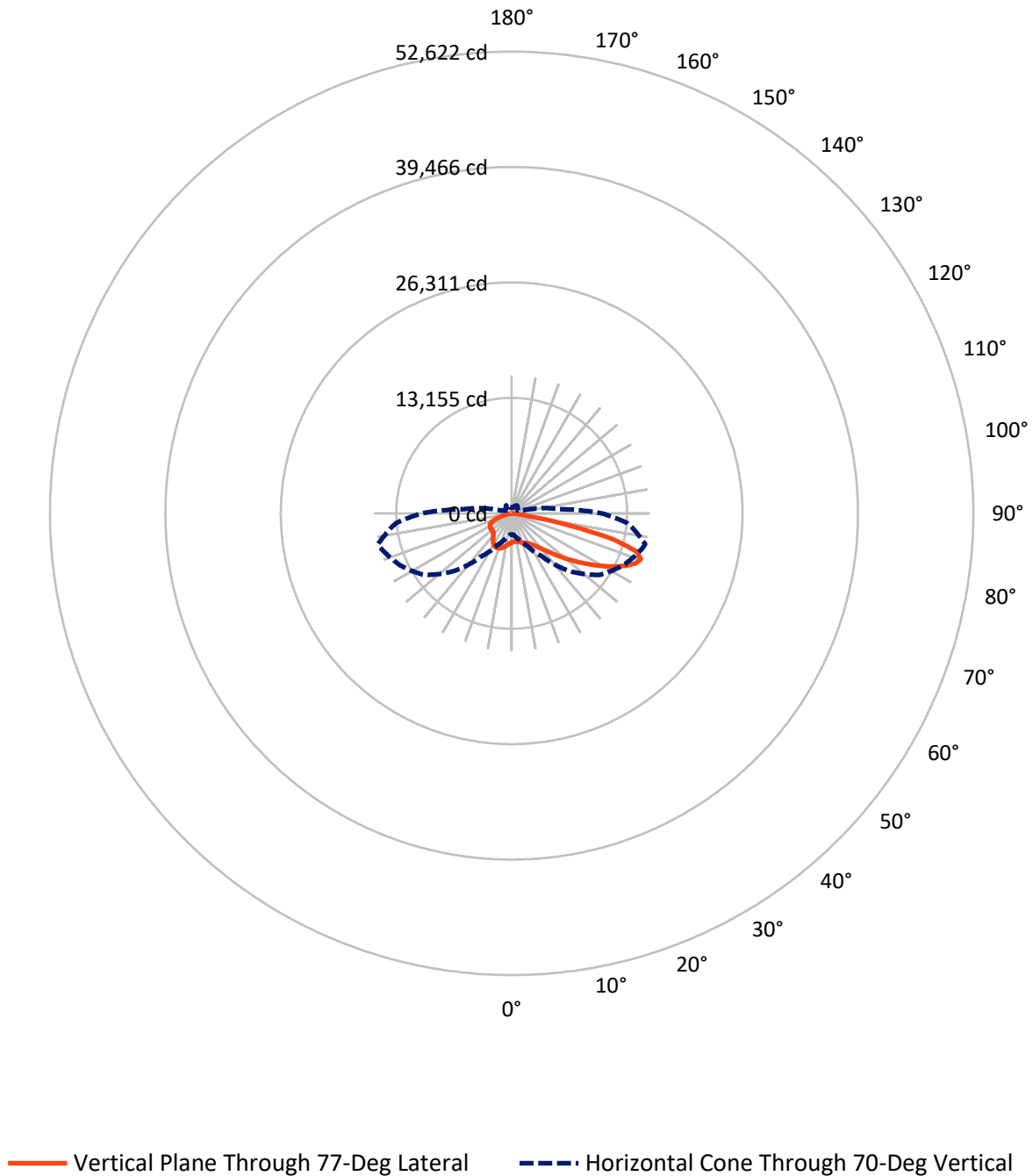
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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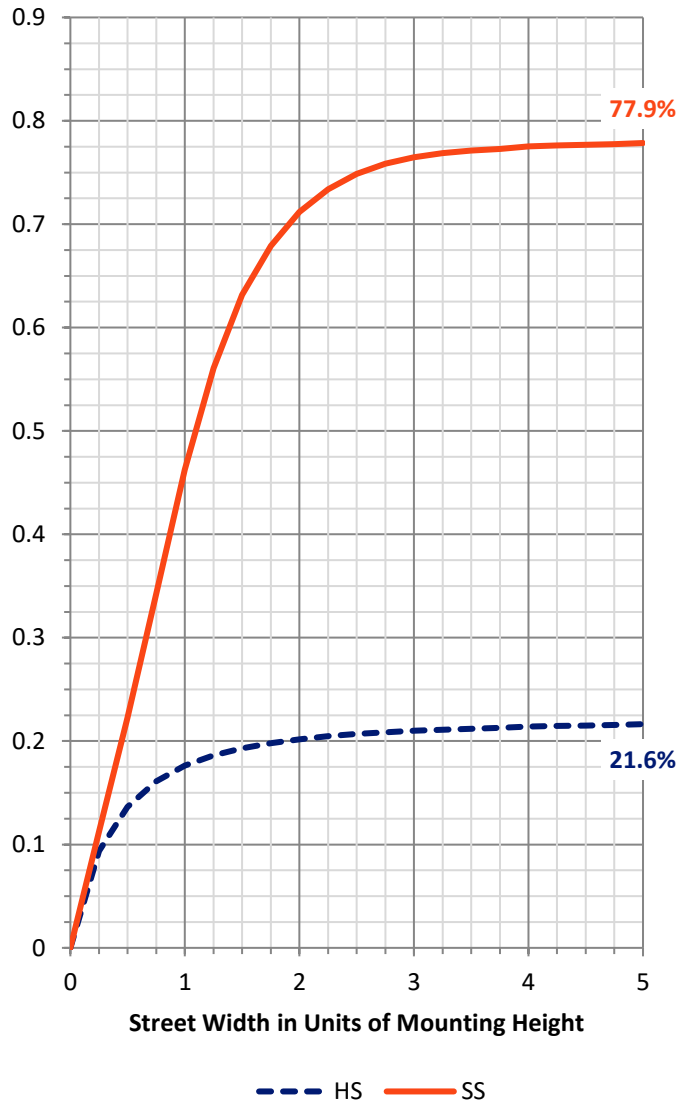
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5196.9	0.0	5196.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	18535.1	0.0	18535.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	23732.0	0.0	23732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	1.3
10°-20°	911.3	3.8
20°-30°	1558.5	6.6
30°-40°	2506.2	10.6
40°-50°	3912.9	16.5
50°-60°	5226.7	22.0
60°-70°	5570.8	23.5
70°-80°	3429.3	14.5
80°-90°	300.5	1.3
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°	23732.0	100.0
0°-180°	23732.0	100.0

Coefficient of Utilization



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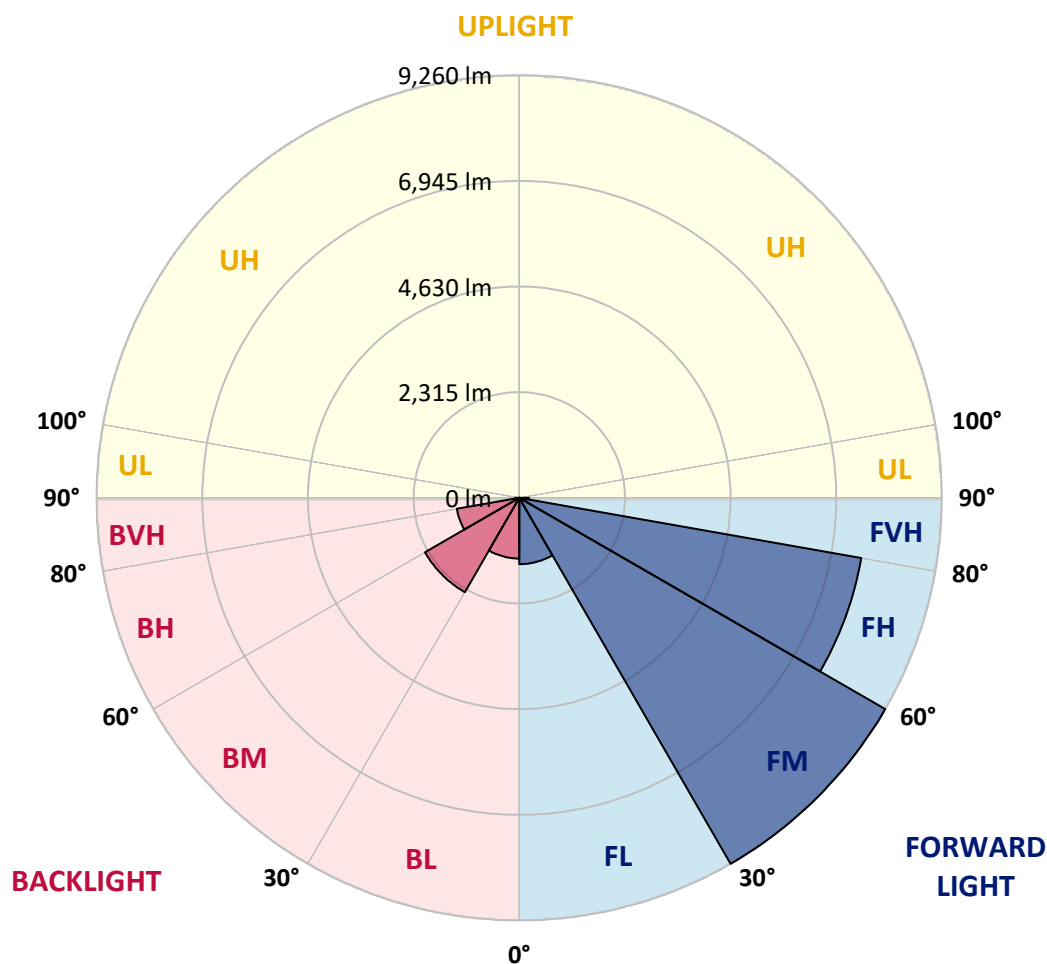
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1454.0	6.1			
FM	(30°-60°)	9259.7	39.0			
FH	(60°-80°)	7611.2	32.1			G4/12000
FVH	(80°-90°)	210.1	0.9			G2/225
BL	(0°-30°)	1331.6	5.6	B3/2500		
BM	(30°-60°)	2386.0	10.1	B2/2500		
BH	(60°-80°)	1388.9	5.9	B3/2500		G3/2500
BVH	(80°-90°)	90.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8
2.5°	3051.9	3050.7	3066.5	3071.4	3100.6	3121.2	3160.1	3201.4	3254.9	3261.0
5°	2875.7	2875.7	2893.9	2913.4	2951.1	2992.4	3051.9	3123.7	3216.0	3230.6
7.5°	2726.2	2735.9	2751.7	2789.4	2833.2	2892.7	2983.9	3086.0	3207.5	3230.6
10°	2605.9	2616.8	2636.3	2666.7	2732.3	2814.9	2934.0	3065.3	3228.2	3264.6
12.5°	2568.2	2579.1	2590.1	2613.2	2673.9	2771.2	2913.4	3075.0	3278.0	3314.5
15°	2655.7	2669.1	2660.6	2654.5	2686.1	2774.8	2923.1	3110.3	3340.0	3392.3
17.5°	2857.5	2862.3	2842.9	2785.8	2780.9	2828.3	2969.3	3158.9	3417.8	3474.9
20°	3183.2	3174.7	3134.6	3021.6	2957.1	2947.4	3048.3	3231.8	3498.0	3558.8
22.5°	3625.6	3615.9	3535.7	3357.0	3213.6	3118.8	3162.5	3326.6	3587.9	3656.0
25°	4177.4	4164.1	4046.2	3803.1	3580.7	3346.1	3318.1	3451.8	3698.6	3761.8
27.5°	4821.6	4810.7	4683.1	4362.2	4041.3	3657.2	3511.4	3598.9	3814.0	3885.7
30°	5514.4	5546.0	5319.9	4974.8	4568.8	4063.2	3771.5	3780.0	3963.5	4027.9
32.5°	6328.7	6383.4	6111.2	5673.6	5119.4	4504.4	4099.6	4032.8	4181.1	4234.6
35°	7135.8	7197.8	6971.7	6488.0	5849.9	5024.6	4442.4	4323.3	4470.4	4528.7
37.5°	7833.4	7916.1	7799.4	7378.9	6631.4	5651.7	4889.7	4664.8	4826.5	4899.4
40°	8384.0	8510.4	8501.9	8239.4	7552.7	6412.6	5457.3	5086.6	5268.9	5347.9
42.5°	8831.3	8940.7	9035.5	9022.1	8514.1	7276.8	6124.6	5634.7	5773.3	5864.4
45°	9140.0	9256.7	9460.9	9680.9	9439.0	8201.7	6889.1	6285.0	6411.4	6548.7
47.5°	9415.9	9548.4	9813.4	10162.2	10224.2	9130.3	7726.5	7042.2	7157.7	7299.9
50°	9440.2	9554.5	9965.3	10460.0	10782.1	10022.4	8625.9	7891.8	8000.0	8151.9
52.5°	8853.2	9033.1	9750.2	10451.5	11038.5	10768.7	9519.2	8775.4	8896.9	9079.3
55°	6872.0	7135.8	9119.4	10125.7	10947.4	11251.2	10368.8	9714.9	9870.5	10061.3
57.5°	5919.1	6034.6	7239.1	9532.6	10531.7	11376.4	11085.9	10664.2	10914.6	11123.6
60°	5319.9	5416.0	6128.2	8610.1	9984.8	11178.3	11640.2	11549.0	11981.7	12230.9
62.5°	4678.2	4769.3	5417.2	7189.3	9284.7	10848.9	11990.2	12365.8	13075.6	13347.8
65°	4041.3	4119.1	4740.2	6040.7	8395.0	10519.5	12171.3	13071.9	14088.0	14370.0
67.5°	3331.5	3395.9	3983.0	5096.3	7313.2	10068.6	12261.3	13627.4	14969.2	15211.1
70°	2404.1	2454.0	3060.5	4030.4	5955.6	9293.2	12224.8	14021.2	15426.2	15619.5
72.5°	1136.4	1181.4	1893.6	2616.8	4206.6	7783.6	11487.0	13708.8	14961.9	14865.9
75°	606.5	645.4	1087.8	1435.4	2221.8	5335.7	9400.1	11809.1	12563.9	12097.2
77.5°	410.8	441.2	673.3	861.7	1014.9	2533.0	6041.9	8176.2	7866.3	7095.7
80°	325.7	357.3	551.8	583.4	491.0	915.2	2496.5	3784.8	2718.9	2174.4
82.5°	250.4	285.6	464.3	423.0	267.4	375.6	726.8	1197.2	696.4	529.9
85°	153.1	190.8	364.6	269.8	150.7	171.4	246.7	333.0	212.7	177.5
87.5°	77.8	109.4	184.7	98.4	68.1	40.1	65.6	65.6	55.9	48.6
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°
3310.8	0°	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8
3293.8	2.5°	3323.0	3347.3	3388.6	3427.5	3457.9	3487.1	3516.2	3532.0	3536.9	3556.3
3312.0	5°	3361.9	3406.8	3487.1	3562.4	3609.8	3639.0	3659.7	3671.8	3674.2	3680.3
3361.9	7.5°	3433.6	3505.3	3617.1	3692.5	3727.7	3725.3	3716.8	3686.4	3674.2	3663.3
3434.8	10°	3534.5	3629.3	3766.6	3818.9	3797.0	3738.7	3663.3	3574.6	3533.3	3493.1
3534.5	12.5°	3659.7	3780.0	3914.9	3912.5	3804.3	3654.8	3479.8	3343.6	3257.4	3195.4
3657.2	15°	3811.6	3950.1	4053.5	3970.8	3733.8	3465.2	3208.7	3031.3	2953.5	2885.4
3781.2	17.5°	3968.4	4116.7	4164.1	3952.6	3556.3	3184.4	2893.9	2754.2	2677.6	2641.1
3914.9	20°	4121.5	4268.6	4229.7	3848.1	3286.5	2866.0	2607.1	2530.5	2514.7	2523.2
4045.0	22.5°	4283.2	4414.4	4243.1	3646.3	2942.6	2540.2	2398.0	2400.5	2435.7	2461.2
4181.1	25°	4448.5	4537.2	4207.8	3354.6	2573.1	2300.8	2265.6	2304.5	2373.7	2423.6
4334.2	27.5°	4607.7	4646.6	4131.2	2993.6	2255.8	2129.4	2135.5	2215.7	2320.3	2389.5
4520.2	30°	4787.6	4743.8	3984.2	2587.6	2035.8	1982.4	2033.4	2127.0	2231.5	2293.5
4754.8	32.5°	4990.6	4827.7	3750.8	2212.1	1880.3	1864.5	1948.3	2009.1	2055.3	2073.5
5065.9	35°	5243.4	4945.6	3451.8	1948.3	1740.5	1778.2	1858.4	1828.0	1809.8	1800.1
5484.0	37.5°	5571.5	5104.8	3101.8	1777.0	1627.5	1716.2	1749.0	1654.2	1582.5	1547.2
5990.9	40°	5966.5	5338.2	2765.1	1644.5	1555.8	1662.7	1605.6	1491.3	1400.2	1350.3
6560.9	42.5°	6405.3	5582.5	2481.9	1544.8	1515.6	1619.0	1499.8	1363.7	1216.6	1200.8
7240.3	45°	6866.0	5834.1	2288.7	1468.2	1496.2	1581.3	1439.1	1219.1	1114.5	1179.0
7922.2	47.5°	7326.6	6065.0	2172.0	1411.1	1486.5	1538.7	1385.6	1138.9	1064.7	1158.3
8652.6	50°	7839.5	6271.6	2119.7	1369.8	1475.5	1521.7	1305.4	1118.2	1012.5	1074.4
9408.6	52.5°	8348.8	6432.1	2080.8	1328.5	1459.7	1508.3	1266.5	1093.9	949.3	952.9
10169.5	55°	8856.8	6536.6	2038.3	1273.8	1424.5	1479.2	1262.8	1067.1	901.8	884.8
10974.1	57.5°	9398.9	6596.1	1986.0	1213.0	1363.7	1405.0	1259.2	1046.5	887.3	859.3
11797.0	60°	9950.7	6683.6	1917.9	1138.9	1282.3	1316.3	1250.7	1039.2	878.8	831.4
12572.4	62.5°	10445.4	6714.0	1836.5	1068.4	1177.8	1228.8	1232.4	1033.1	855.7	774.2
13216.6	65°	10769.9	6582.8	1694.3	988.1	1064.7	1138.9	1197.2	1012.5	814.3	732.9
13535.0	67.5°	10756.6	6208.4	1471.9	884.8	955.3	1039.2	1146.2	977.2	764.5	681.9
13294.4	70°	10255.8	5469.4	1189.9	764.5	835.0	932.2	1080.5	924.9	704.9	625.9
11821.3	72.5°	8796.1	4280.7	864.2	623.5	695.2	821.6	995.4	861.7	644.2	576.1
8736.5	75°	6283.8	2709.2	585.8	478.9	540.9	696.4	889.7	787.6	588.3	578.5
4375.5	77.5°	3209.9	1294.4	387.7	350.0	376.8	549.4	747.5	703.7	596.8	477.7
1244.6	80°	1044.1	477.7	244.3	238.2	250.4	365.8	578.5	577.3	452.1	324.5
301.4	82.5°	333.0	205.4	159.2	153.1	147.1	229.7	403.5	457.0	305.1	205.4
108.2	85°	132.5	122.8	93.6	86.3	62.0	108.2	211.5	303.9	227.3	148.3
28.0	87.5°	48.6	48.6	25.5	18.2	13.4	36.5	57.1	91.2	130.1	76.6
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°
3310.8
3567.3
3690.0
3665.7
3481.0
3180.8
2878.1
2652.1
2519.6
2467.3
2436.9
2406.6
2308.1
2083.2
1809.8
1555.8
1354.0
1216.6
1213.0
1202.1
1120.6
978.4
897.0
863.0
835.0
774.2
732.9
685.5
633.2
572.5
545.7
425.4
286.8
204.2
151.9
75.4
0.0