

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: P955159

Luminaire Tested: **GLAN-SB8A-940-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955159
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-SB8A-940-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 26984 lumens
Efficiency: N/A
Efficacy: 118.8 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

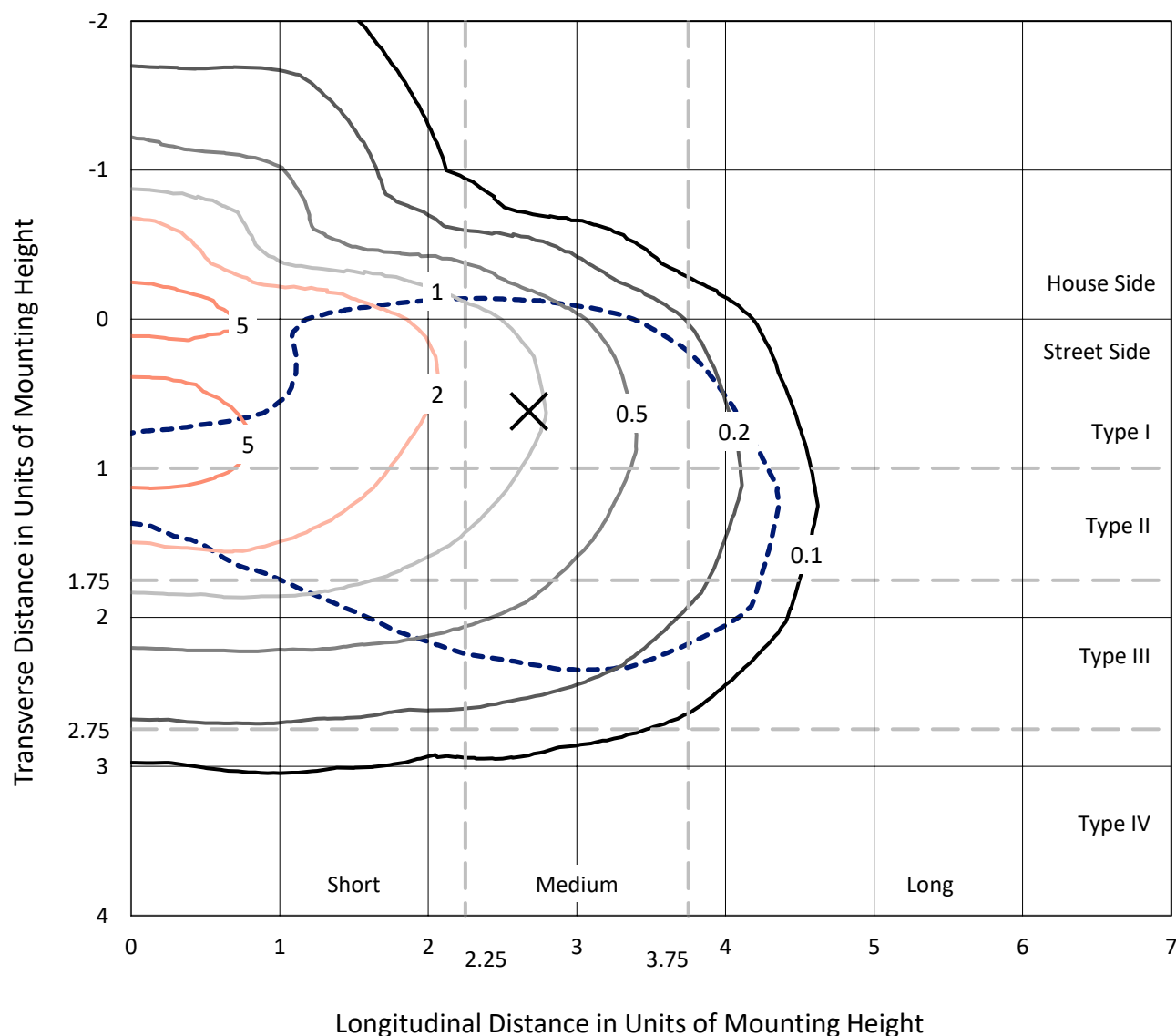
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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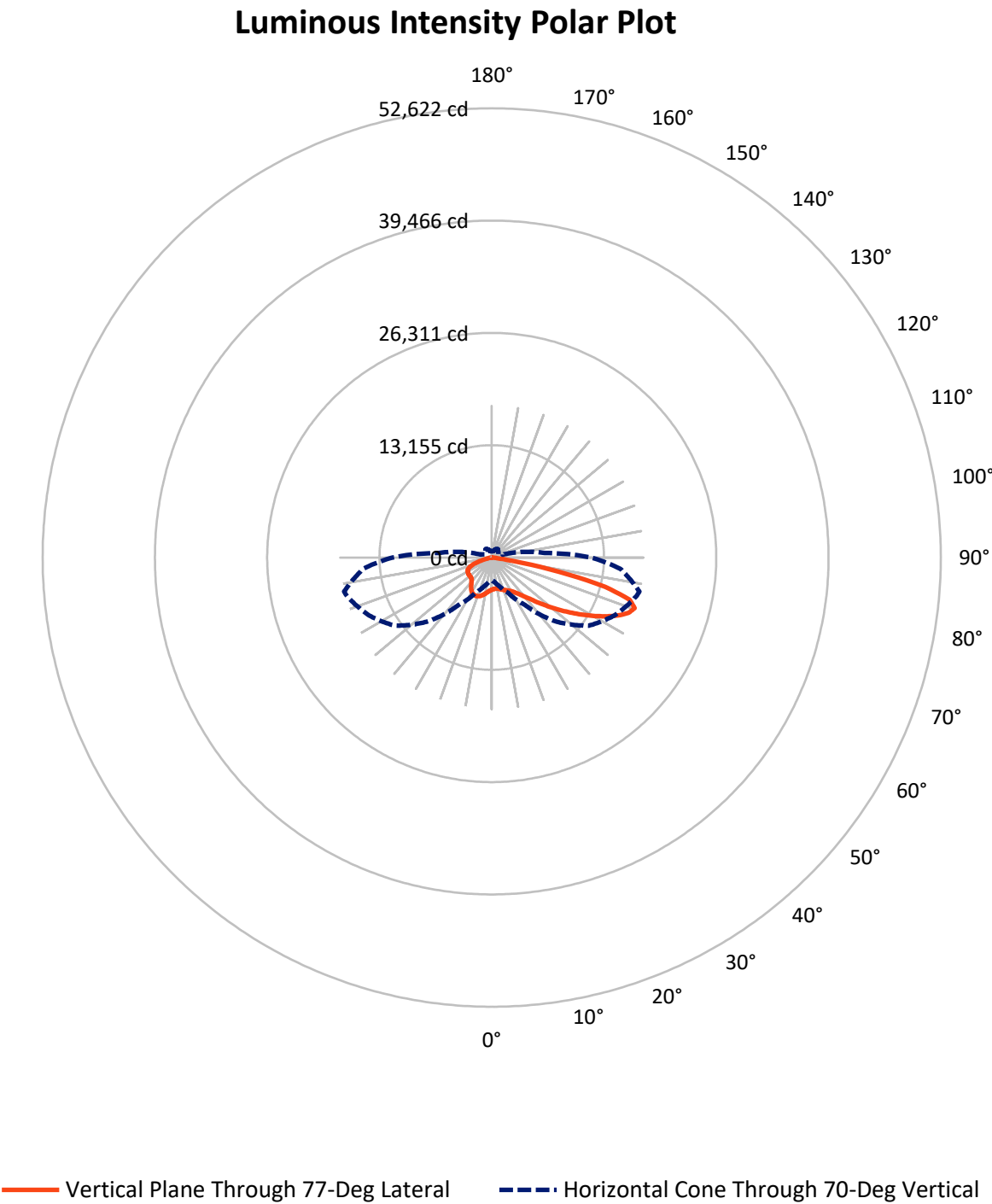
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Medium - N/A

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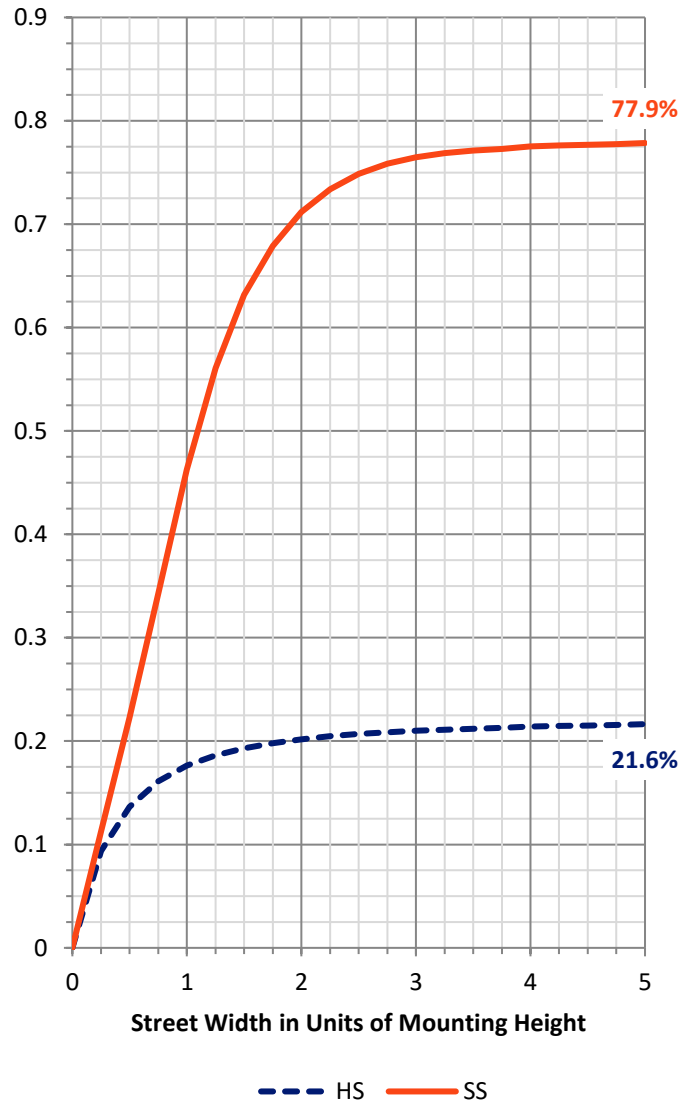
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5909.1	0.0	5909.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	21074.9	0.0	21074.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	26984.0	0.0	26984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.0	1.3
10°-20°	1036.2	3.8
20°-30°	1772.1	6.6
30°-40°	2849.6	10.6
40°-50°	4449.0	16.5
50°-60°	5942.9	22.0
60°-70°	6334.2	23.5
70°-80°	3899.3	14.5
80°-90°	341.7	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°	26984.0	100.0
0°-180°	26984.0	100.0

Coefficient of Utilization



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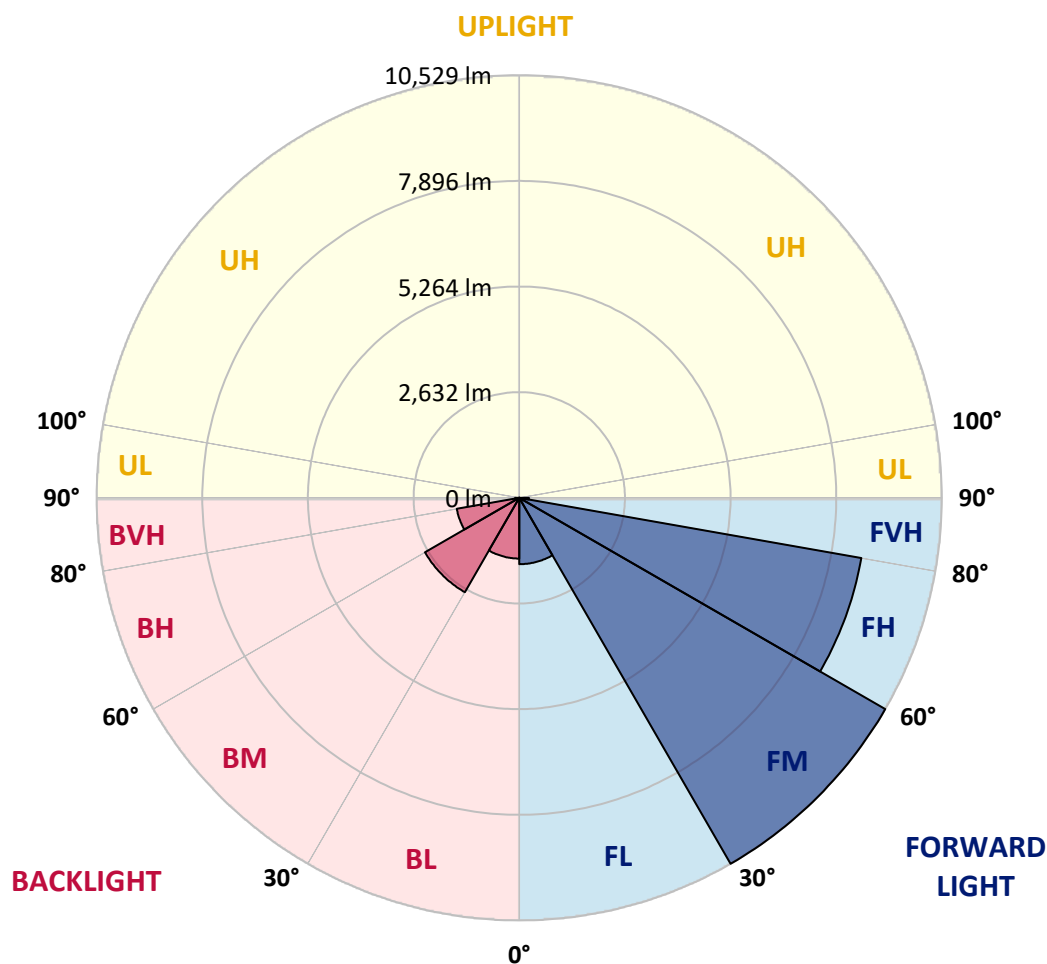
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1653.2	6.1			
FM	(30°-60°)	10528.6	39.0			
FH	(60°-80°)	8654.2	32.1			G4/12000
FVH	(80°-90°)	238.9	0.9			G3/500
BL	(0°-30°)	1514.1	5.6	B3/2500		
BM	(30°-60°)	2713.0	10.1	B3/5000		
BH	(60°-80°)	1579.2	5.9	B3/2500		G3/2500
BVH	(80°-90°)	102.8	0.4			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5
2.5°	3470.2	3468.8	3486.7	3492.3	3525.4	3548.9	3593.1	3640.1	3700.9	3707.9
5°	3269.8	3269.8	3290.5	3312.6	3355.4	3402.4	3470.2	3551.7	3656.7	3673.3
7.5°	3099.8	3110.8	3128.8	3171.6	3221.4	3289.1	3392.8	3508.8	3647.0	3673.3
10°	2963.0	2975.4	2997.5	3032.1	3106.7	3200.7	3336.1	3485.4	3670.5	3712.0
12.5°	2920.1	2932.6	2945.0	2971.3	3040.4	3150.9	3312.6	3496.4	3727.2	3768.7
15°	3019.6	3034.8	3025.2	3018.2	3054.2	3155.1	3323.7	3536.5	3797.7	3857.1
17.5°	3249.0	3254.6	3232.5	3167.5	3162.0	3215.9	3376.2	3591.8	3886.1	3951.1
20°	3619.4	3609.7	3564.1	3435.6	3362.4	3351.3	3466.0	3674.7	3977.3	4046.4
22.5°	4122.4	4111.4	4020.2	3817.0	3654.0	3546.2	3595.9	3782.5	4079.6	4157.0
25°	4749.9	4734.7	4600.6	4324.2	4071.3	3804.6	3772.8	3924.8	4205.4	4277.2
27.5°	5482.3	5469.9	5324.8	4959.9	4595.1	4158.4	3992.5	4092.0	4336.7	4418.2
30°	6270.0	6306.0	6048.9	5656.4	5194.9	4620.0	4288.3	4298.0	4506.6	4579.9
32.5°	7196.0	7258.2	6948.6	6451.1	5820.9	5121.6	4661.4	4585.4	4754.0	4814.8
35°	8113.6	8184.1	7927.0	7377.0	6651.5	5713.1	5051.1	4915.7	5082.9	5149.3
37.5°	8906.9	9000.8	8868.2	8390.0	7540.1	6426.2	5559.7	5304.0	5487.8	5570.8
40°	9532.9	9676.6	9667.0	9368.4	8587.6	7291.3	6205.1	5783.6	5990.9	6080.7
42.5°	10041.5	10165.8	10273.6	10258.4	9680.8	8273.9	6963.8	6406.9	6564.4	6668.1
45°	10392.5	10525.2	10757.3	11007.5	10732.5	9325.6	7833.1	7146.2	7289.9	7446.1
47.5°	10706.2	10856.8	11158.1	11554.7	11625.2	10381.4	8785.2	8007.2	8138.5	8300.2
50°	10733.8	10863.7	11330.9	11893.3	12259.5	11395.8	9807.9	8973.2	9096.2	9268.9
52.5°	10066.3	10270.9	11086.2	11883.6	12551.1	12244.3	10823.7	9977.9	10116.1	10323.4
55°	7813.7	8113.6	10369.0	11513.3	12447.5	12793.0	11789.7	11046.2	11223.1	11440.0
57.5°	6730.2	6861.5	8231.1	10838.9	11974.9	12935.3	12605.0	12125.5	12410.2	12647.9
60°	6048.9	6158.1	6967.9	9789.9	11353.0	12710.1	13235.2	13131.6	13623.6	13906.9
62.5°	5319.2	5422.9	6159.5	8174.4	10556.9	12335.6	13633.2	14060.3	14867.3	15176.9
65°	4595.1	4683.5	5389.7	6868.4	9545.3	11961.0	13839.2	14863.2	16018.5	16339.2
67.5°	3788.0	3861.3	4528.7	5794.6	8315.4	11448.3	13941.4	15494.8	17020.5	17295.5
70°	2733.6	2790.2	3479.8	4582.6	6771.7	10566.6	13900.0	15942.5	17540.1	17759.8
72.5°	1292.2	1343.3	2153.1	2975.4	4783.0	8850.2	13061.1	15587.4	17012.2	16903.0
75°	689.6	733.8	1236.9	1632.1	2526.3	6066.9	10688.2	13427.3	14285.5	13754.8
77.5°	467.1	501.7	765.6	979.8	1154.0	2880.0	6869.8	9296.6	8944.2	8068.0
80°	370.4	406.3	627.4	663.4	558.3	1040.6	2838.6	4303.5	3091.5	2472.4
82.5°	284.7	324.8	527.9	480.9	304.0	427.0	826.4	1361.3	791.9	602.5
85°	174.1	217.0	414.6	306.8	171.4	194.9	280.5	378.7	241.8	201.8
87.5°	88.4	124.4	210.1	111.9	77.4	45.6	74.6	74.6	63.6	55.3
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3764.5	0°	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5	3764.5
3745.2	2.5°	3778.3	3806.0	3853.0	3897.2	3931.7	3964.9	3998.1	4016.0	4021.6	4043.7
3765.9	5°	3822.6	3873.7	3964.9	4050.6	4104.5	4137.6	4161.1	4175.0	4177.7	4184.6
3822.6	7.5°	3904.1	3985.6	4112.8	4198.5	4238.5	4235.8	4226.1	4191.5	4177.7	4165.3
3905.5	10°	4018.8	4126.6	4282.8	4342.2	4317.3	4251.0	4165.3	4064.4	4017.4	3971.8
4018.8	12.5°	4161.1	4298.0	4451.4	4448.6	4325.6	4155.6	3956.6	3801.8	3703.7	3633.2
4158.4	15°	4333.9	4491.4	4608.9	4514.9	4245.4	3940.0	3648.4	3446.7	3358.2	3280.8
4299.3	17.5°	4512.2	4680.8	4734.7	4494.2	4043.7	3620.8	3290.5	3131.6	3044.5	3003.0
4451.4	20°	4686.3	4853.5	4809.3	4375.3	3736.9	3258.7	2964.3	2877.3	2859.3	2869.0
4599.2	22.5°	4870.1	5019.4	4824.5	4145.9	3345.8	2888.3	2726.6	2729.4	2769.5	2798.5
4754.0	25°	5058.0	5158.9	4784.4	3814.3	2925.7	2616.1	2576.0	2620.2	2699.0	2755.7
4928.1	27.5°	5239.1	5283.3	4697.4	3403.8	2565.0	2421.2	2428.1	2519.3	2638.2	2717.0
5139.6	30°	5443.6	5393.9	4530.1	2942.2	2314.8	2254.0	2312.1	2418.5	2537.3	2607.8
5406.3	32.5°	5674.4	5489.2	4264.8	2515.2	2137.9	2120.0	2215.3	2284.4	2336.9	2357.7
5760.1	35°	5961.9	5623.3	3924.8	2215.3	1979.0	2021.8	2113.0	2078.5	2057.8	2046.7
6235.5	37.5°	6335.0	5804.3	3526.8	2020.5	1850.5	1951.4	1988.7	1880.9	1799.3	1759.3
6811.8	40°	6784.1	6069.7	3144.0	1869.8	1768.9	1890.5	1825.6	1695.7	1592.0	1535.4
7459.9	42.5°	7283.0	6347.4	2822.0	1756.5	1723.3	1840.8	1705.4	1550.6	1383.4	1365.4
8232.5	45°	7806.8	6633.5	2602.3	1669.4	1701.2	1798.0	1636.3	1386.1	1267.3	1340.5
9007.7	47.5°	8330.6	6896.1	2469.6	1604.5	1690.2	1749.6	1575.5	1294.9	1210.6	1317.0
9838.3	50°	8913.8	7131.0	2410.2	1557.5	1677.7	1730.2	1484.2	1271.4	1151.2	1221.7
10697.9	52.5°	9492.8	7313.4	2366.0	1510.5	1659.8	1715.0	1440.0	1243.8	1079.3	1083.5
11563.0	55°	10070.5	7432.3	2317.6	1448.3	1619.7	1681.9	1435.9	1213.4	1025.4	1006.1
12477.9	57.5°	10686.9	7500.0	2258.2	1379.2	1550.6	1597.6	1431.7	1189.9	1008.8	977.1
13413.5	60°	11314.3	7599.5	2180.8	1294.9	1458.0	1496.7	1422.1	1181.6	999.2	945.3
14295.2	62.5°	11876.7	7634.1	2088.2	1214.8	1339.1	1397.2	1401.3	1174.7	972.9	880.3
15027.7	65°	12245.7	7484.8	1926.5	1123.5	1210.6	1294.9	1361.3	1151.2	925.9	833.3
15389.7	67.5°	12230.5	7059.2	1673.6	1006.1	1086.2	1181.6	1303.2	1111.1	869.3	775.3
15116.1	70°	11661.1	6218.9	1353.0	869.3	949.4	1060.0	1228.6	1051.7	801.5	711.7
13441.1	72.5°	10001.4	4867.3	982.6	709.0	790.5	934.2	1131.8	979.8	732.4	655.1
9933.7	75°	7144.8	3080.4	666.1	544.5	615.0	791.9	1011.6	895.5	668.9	657.8
4975.1	77.5°	3649.8	1471.8	440.9	398.0	428.4	624.7	849.9	800.2	678.6	543.1
1415.1	80°	1187.1	543.1	277.8	270.9	284.7	416.0	657.8	656.4	514.1	369.0
342.7	82.5°	378.7	233.6	181.0	174.1	167.2	261.2	458.8	519.6	346.9	233.6
123.0	85°	150.6	139.6	106.4	98.1	70.5	123.0	240.5	345.5	258.4	168.6
31.8	87.5°	55.3	55.3	29.0	20.7	15.2	41.5	65.0	103.6	147.9	87.1
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°
3764.5
4056.1
4195.7
4168.1
3958.0
3616.6
3272.5
3015.5
2864.8
2805.4
2770.9
2736.3
2624.4
2368.7
2057.8
1768.9
1539.5
1383.4
1379.2
1366.8
1274.2
1112.5
1019.9
981.2
949.4
880.3
833.3
779.4
720.0
650.9
620.5
483.7
326.1
232.2
172.7
85.7
0.0