

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: P957297

Luminaire Tested: **GLAN-SB9C-940-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-940-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50347 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 449.8
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



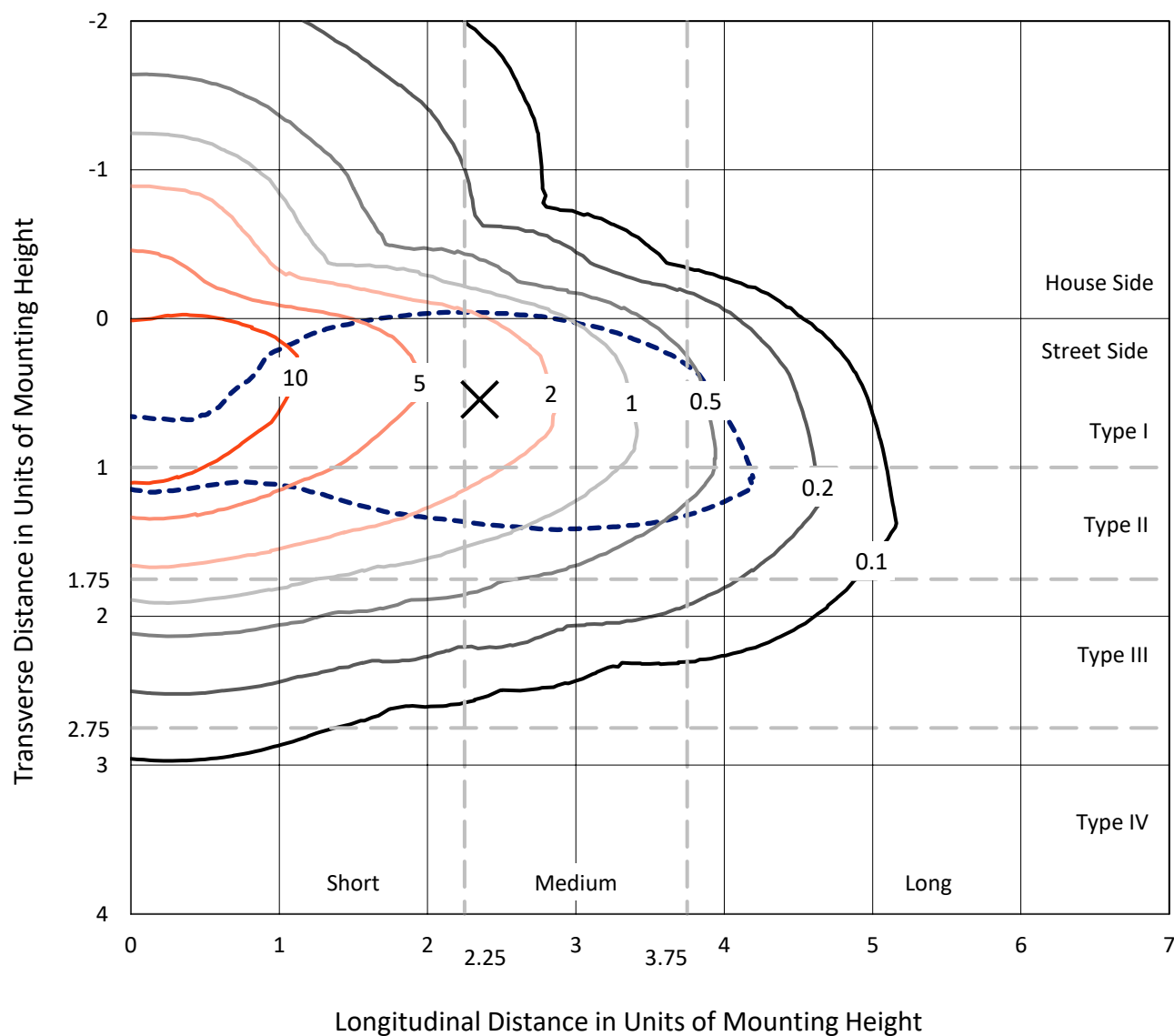
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

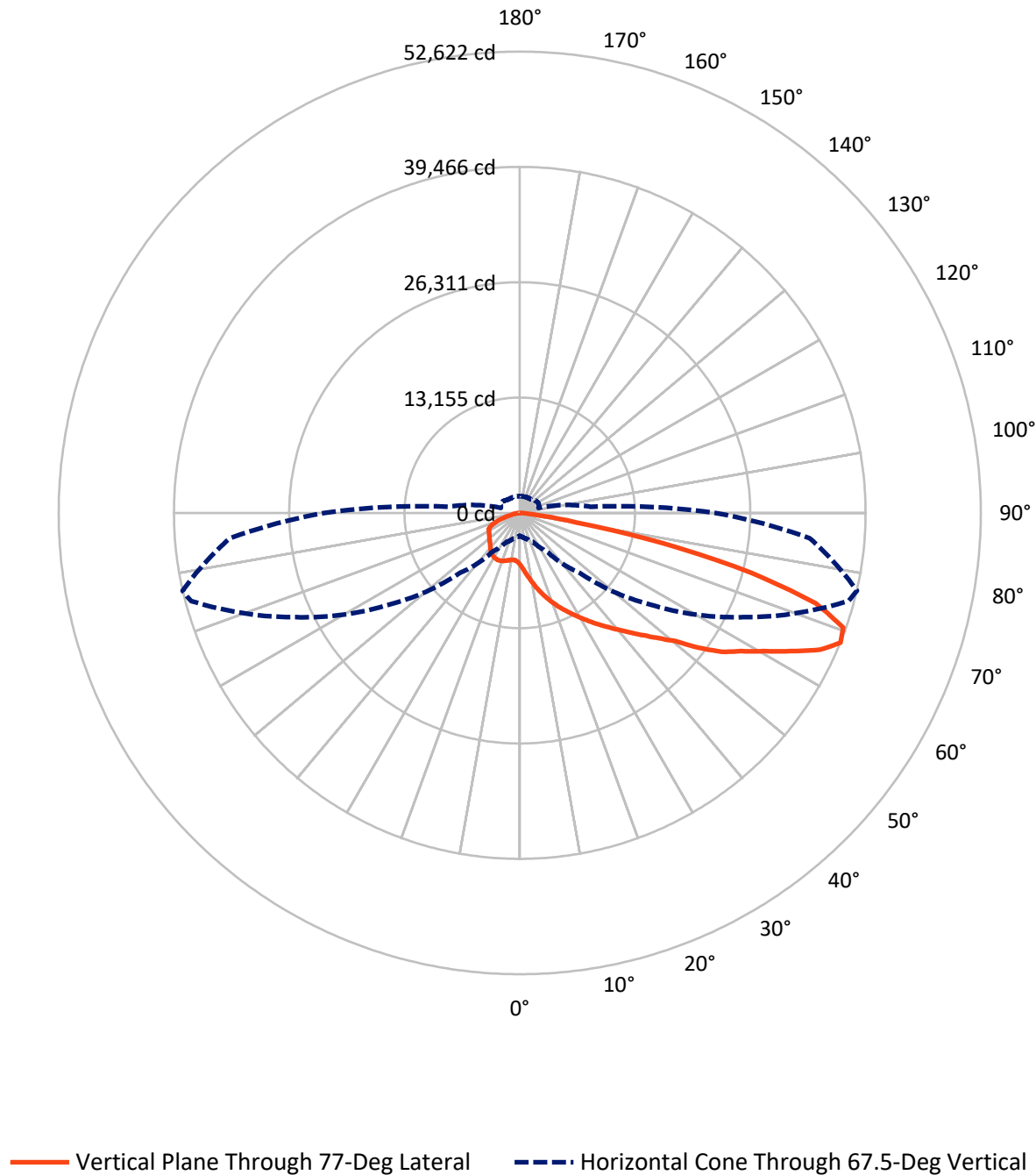
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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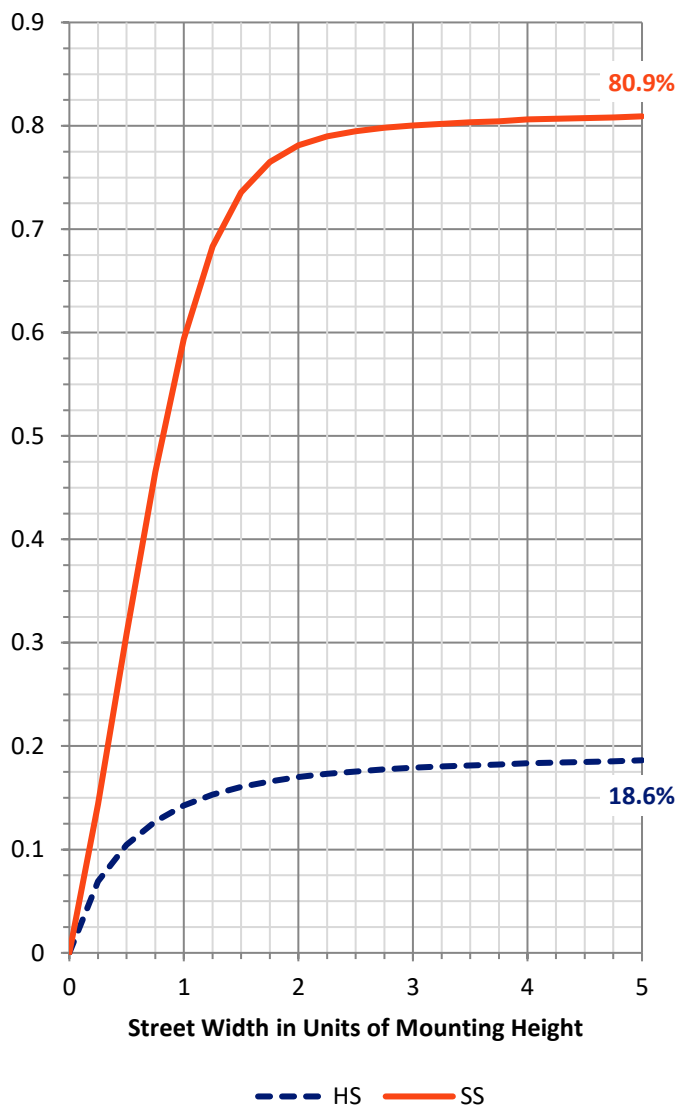
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9523.6	0.0	9523.6
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	40823.4	0.0	40823.4
	% Fixture	81.1	0.0	81.1
Total	Lumens	50347.0	0.0	50347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.2	1.3
10°-20°	2274.8	4.5
20°-30°	4295.0	8.5
30°-40°	6919.1	13.7
40°-50°	9464.1	18.8
50°-60°	10675.6	21.2
60°-70°	9964.3	19.8
70°-80°	5462.1	10.8
80°-90°	658.9	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°	50347.0	100.0
0°-180°	50347.0	100.0

Coefficient of Utilization



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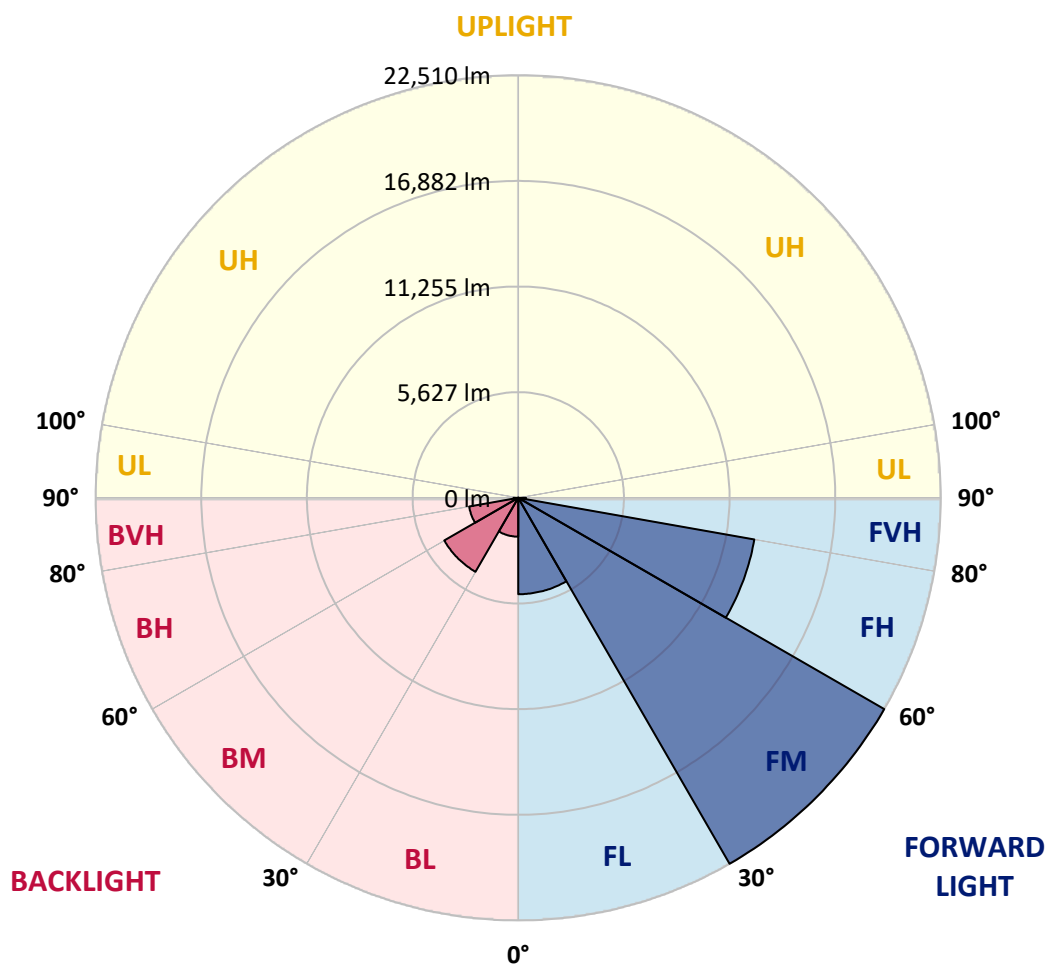
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5132.2	10.2			
FM	(30°-60°)	22509.6	44.7			
FH	(60°-80°)	12769.5	25.4			G5
FVH	(80°-90°)	412.0	0.8			G3/500
BL	(0°-30°)	2070.7	4.1	B3/2500		
BM	(30°-60°)	4549.2	9.0	B3/5000		
BH	(60°-80°)	2656.9	5.3	B4/5000		G4/5000
BVH	(80°-90°)	246.8	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3
2.5°	7396.4	7448.4	7383.4	7383.4	7165.1	7050.8	6832.5	6666.1	6367.3	6315.3
5°	8742.7	8807.6	8716.7	8677.7	8420.4	8183.9	7817.4	7456.2	6923.4	6868.9
7.5°	9784.8	9868.0	9787.4	9745.8	9517.1	9252.0	8823.2	8319.0	7568.0	7461.4
10°	10634.6	10647.6	10621.6	10637.2	10457.9	10239.6	9800.4	9213.0	8274.9	8129.3
12.5°	11115.4	11175.2	11227.2	11320.7	11289.6	11154.4	10759.4	10057.7	9023.3	8836.2
15°	11341.5	11445.5	11562.4	11778.2	11952.3	11986.1	11684.6	10964.7	9784.8	9558.7
17.5°	11422.1	11520.9	11705.4	12017.2	12391.5	12643.6	12508.4	11845.7	10538.5	10278.6
20°	11830.1	11858.7	11970.5	12266.7	12672.2	13090.6	13191.9	12693.0	11284.4	10990.7
22.5°	12703.4	12646.2	12677.4	12812.5	13103.6	13509.0	13740.3	13441.4	12051.0	11713.2
25°	14145.7	13979.4	13813.1	13657.1	13805.3	14034.0	14296.5	14189.9	12854.1	12425.3
27.5°	15967.6	15764.8	15398.4	14886.4	14707.1	14787.7	14904.6	14883.8	13597.4	13163.4
30°	17760.8	17524.3	17087.7	16347.0	15874.0	15660.9	15572.5	15512.7	14405.6	13943.0
32.5°	19192.8	19005.7	18576.8	17747.8	17061.7	16697.8	16404.2	16191.1	15250.3	14787.7
35°	20445.4	20271.3	19780.1	18875.7	18129.8	17742.6	17358.0	16903.2	16128.7	15660.9
37.5°	21588.9	21414.8	20741.7	19800.9	19049.8	18782.1	18439.1	17667.2	17009.7	16567.9
40°	22311.4	22272.5	21643.5	20578.0	19798.3	19665.8	19551.4	18553.4	17986.9	17576.3
42.5°	22496.0	22581.7	22082.7	21206.9	20463.6	20357.1	20624.8	19556.6	19083.6	18691.2
45°	22051.5	22298.4	21971.0	21375.8	20936.6	20879.4	21575.9	20653.3	20297.3	19938.7
47.5°	20926.2	21344.6	21209.5	21126.3	21064.0	21310.9	22412.8	21817.6	21672.1	21360.2
50°	18654.8	19447.5	19684.0	20208.9	20811.9	21646.1	23174.3	23088.5	23278.2	22963.8
52.5°	14727.9	15819.4	17191.6	18506.7	20037.4	21534.4	24011.1	24912.9	25713.4	25541.8
55°	12157.6	12648.8	13703.9	16115.7	18535.3	21064.0	24387.9	26386.5	28130.3	27977.0
57.5°	10182.4	10621.6	11271.4	13285.5	16263.8	19995.8	24621.8	27285.7	29785.8	29770.2
60°	8064.3	8529.5	9194.9	10621.6	13610.4	18150.6	24569.9	28309.7	31898.7	32028.7
62.5°	5673.4	6185.3	6923.4	8254.1	10899.7	15759.6	23509.5	29050.3	34385.9	34739.3
65°	3729.4	4067.3	4623.4	5772.1	8121.5	12685.2	21485.0	29146.5	37047.1	37644.9
67.5°	2614.5	2744.4	3071.9	3695.6	5353.7	9727.6	18259.8	28151.1	38822.2	39495.3
70°	2040.1	2105.1	2271.4	2520.9	3363.0	6541.4	13992.4	25562.6	38442.7	39144.4
72.5°	1762.0	1824.4	1886.8	1918.0	2255.8	4038.7	9478.1	21373.2	34869.2	35344.8
75°	1598.3	1613.9	1665.9	1655.5	1720.5	2619.7	5470.7	15572.5	27511.8	27348.1
77.5°	1343.6	1364.4	1450.2	1437.2	1528.1	1790.6	2840.6	10049.9	17836.2	16723.8
80°	1138.3	1148.7	1242.3	1226.7	1328.0	1296.8	1450.2	5122.4	7565.4	6408.9
82.5°	395.0	488.6	948.6	977.2	1013.6	784.9	836.8	2089.5	2310.4	1769.8
85°	192.3	205.3	483.4	686.1	683.5	395.0	408.0	745.9	727.7	571.8
87.5°	31.2	39.0	57.2	267.7	213.1	104.0	140.3	145.5	150.7	129.9
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°
5907.3	0°	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3	5907.3
6117.8	2.5°	5972.2	5842.3	5569.4	5317.3	5119.8	4930.1	4823.5	4732.6	4680.6	4670.2
6403.7	5°	6133.4	5865.7	5369.3	4950.9	4678.0	4475.3	4368.7	4301.2	4267.4	4246.6
6788.3	7.5°	6364.7	5972.2	5265.3	4789.7	4503.9	4358.3	4303.8	4293.4	4290.8	4293.4
7253.5	10°	6684.3	6146.4	5254.9	4750.8	4511.7	4431.1	4428.5	4431.1	4441.5	4444.1
7760.3	12.5°	7030.0	6325.7	5296.5	4784.5	4610.4	4566.2	4558.4	4555.8	4563.6	4568.8
8272.3	15°	7406.8	6562.2	5366.7	4857.3	4719.6	4672.8	4665.0	4649.4	4646.8	4644.2
8810.2	17.5°	7794.1	6796.1	5444.7	4935.3	4789.7	4724.8	4696.2	4659.8	4631.2	4623.4
9366.4	20°	8186.5	7027.4	5499.2	4974.3	4794.9	4704.0	4646.8	4584.4	4535.1	4506.5
9927.7	22.5°	8604.9	7269.1	5533.0	4963.9	4748.2	4623.4	4519.5	4446.7	4371.3	4321.9
10494.3	25°	9012.9	7479.6	5530.4	4909.3	4657.2	4498.7	4366.1	4272.6	4168.6	4116.6
11079.0	27.5°	9405.4	7669.3	5465.5	4813.1	4527.3	4350.5	4192.0	4080.3	3978.9	3929.5
11669.0	30°	9810.8	7827.8	5364.1	4672.8	4373.9	4179.0	4004.9	3908.7	3817.8	3771.0
12292.7	32.5°	10213.6	7973.4	5221.2	4498.7	4197.2	4010.1	3838.6	3750.2	3695.6	3695.6
12963.2	35°	10639.8	8074.7	5031.4	4296.0	4010.1	3830.8	3695.6	3643.6	3638.4	3607.3
13672.7	37.5°	11089.4	8139.7	4800.1	4088.0	3825.6	3656.6	3615.1	3552.7	3500.7	3433.1
14452.4	40°	11562.4	8204.7	4522.1	3872.3	3630.6	3537.1	3518.9	3435.7	3287.6	3121.3
15336.0	42.5°	12136.8	8248.9	4233.6	3656.6	3425.3	3394.1	3420.1	3277.2	3040.7	2915.9
16401.6	45°	12802.1	8321.6	3968.5	3443.5	3214.8	3214.8	3324.0	3136.9	2941.9	2864.0
17617.8	47.5°	13664.9	8490.6	3721.6	3209.6	3019.9	3071.9	3110.9	2967.9	2858.8	2762.6
19099.2	50°	14912.4	8896.0	3466.9	2973.1	2871.8	2975.7	2921.1	2838.0	2710.6	2632.7
21453.8	52.5°	16461.3	9135.1	3240.8	2760.0	2744.4	2848.4	2770.4	2692.4	2596.3	2492.3
23239.2	55°	17516.5	9179.3	3051.1	2604.1	2658.7	2648.3	2619.7	2549.5	2497.5	2359.8
25001.3	57.5°	18696.4	9267.6	2895.2	2510.5	2604.1	2489.7	2479.3	2419.6	2352.0	2258.4
27150.6	60°	20107.6	9405.4	2760.0	2474.1	2557.3	2385.8	2333.8	2310.4	2242.8	2196.1
29736.5	62.5°	21646.1	9530.1	2622.3	2479.3	2502.7	2284.4	2206.5	2198.7	2157.1	2141.5
32163.8	65°	22696.1	9189.7	2450.7	2474.1	2417.0	2180.5	2081.7	2079.1	2045.3	2040.1
33216.4	67.5°	22329.6	8111.1	2219.4	2401.4	2328.6	2076.5	1967.4	1957.0	1912.8	1915.4
32117.0	70°	20494.8	6572.6	1899.8	2222.0	2219.4	1982.9	1847.8	1814.0	1754.2	1764.6
27925.0	72.5°	17053.9	4870.3	1471.0	1923.2	2045.3	1897.2	1710.1	1655.5	1580.1	1590.5
20614.4	75°	12316.1	3311.0	1070.7	1463.2	1780.2	1795.8	1574.9	1481.4	1390.4	1406.0
11474.1	77.5°	6302.3	1876.4	787.5	1008.4	1398.2	1632.1	1452.8	1328.0	1307.2	1452.8
3308.4	80°	2055.7	940.8	545.8	706.9	917.4	1335.8	1273.5	1130.5	1125.3	1159.1
693.9	82.5°	613.3	397.6	350.8	465.2	506.8	1024.0	1099.3	855.0	735.5	774.5
231.3	85°	210.5	192.3	200.1	231.3	241.7	600.3	769.3	566.6	535.4	589.9
52.0	87.5°	49.4	67.6	57.2	52.0	52.0	145.5	298.9	236.5	327.5	218.3
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°
5907.3
4670.2
4244.0
4301.2
4446.7
4571.4
4641.6
4631.2
4516.9
4324.5
4116.6
3926.9
3768.4
3698.2
3599.5
3422.7
3097.9
2918.5
2877.0
2760.0
2624.9
2471.5
2362.4
2227.2
2209.1
2141.5
2037.5
1915.4
1775.0
1587.9
1411.2
1432.0
995.4
800.5
582.2
210.5
0.0