

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: P941418

Luminaire Tested: **GLAN-SB4D-940-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-940-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22376 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

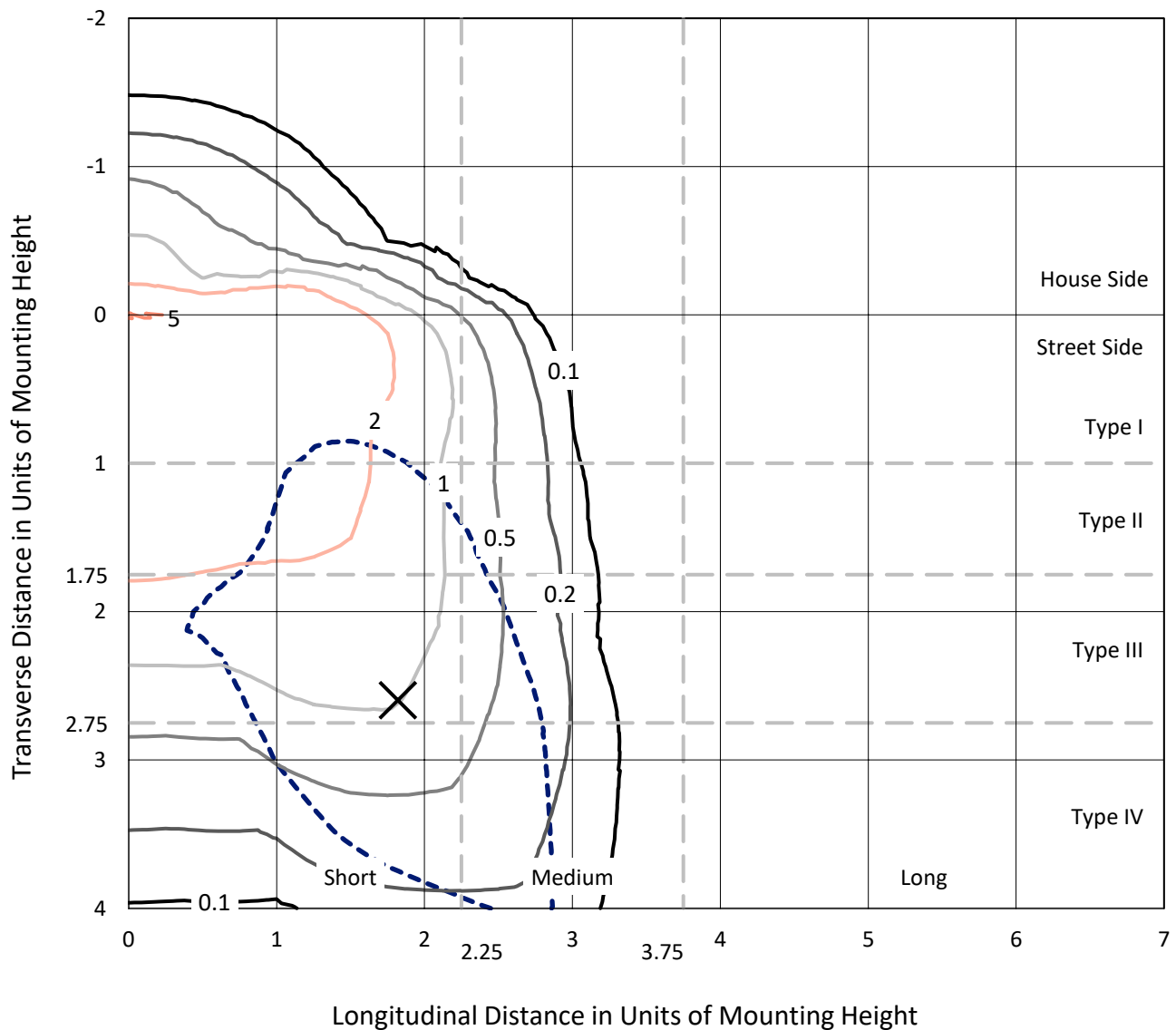
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

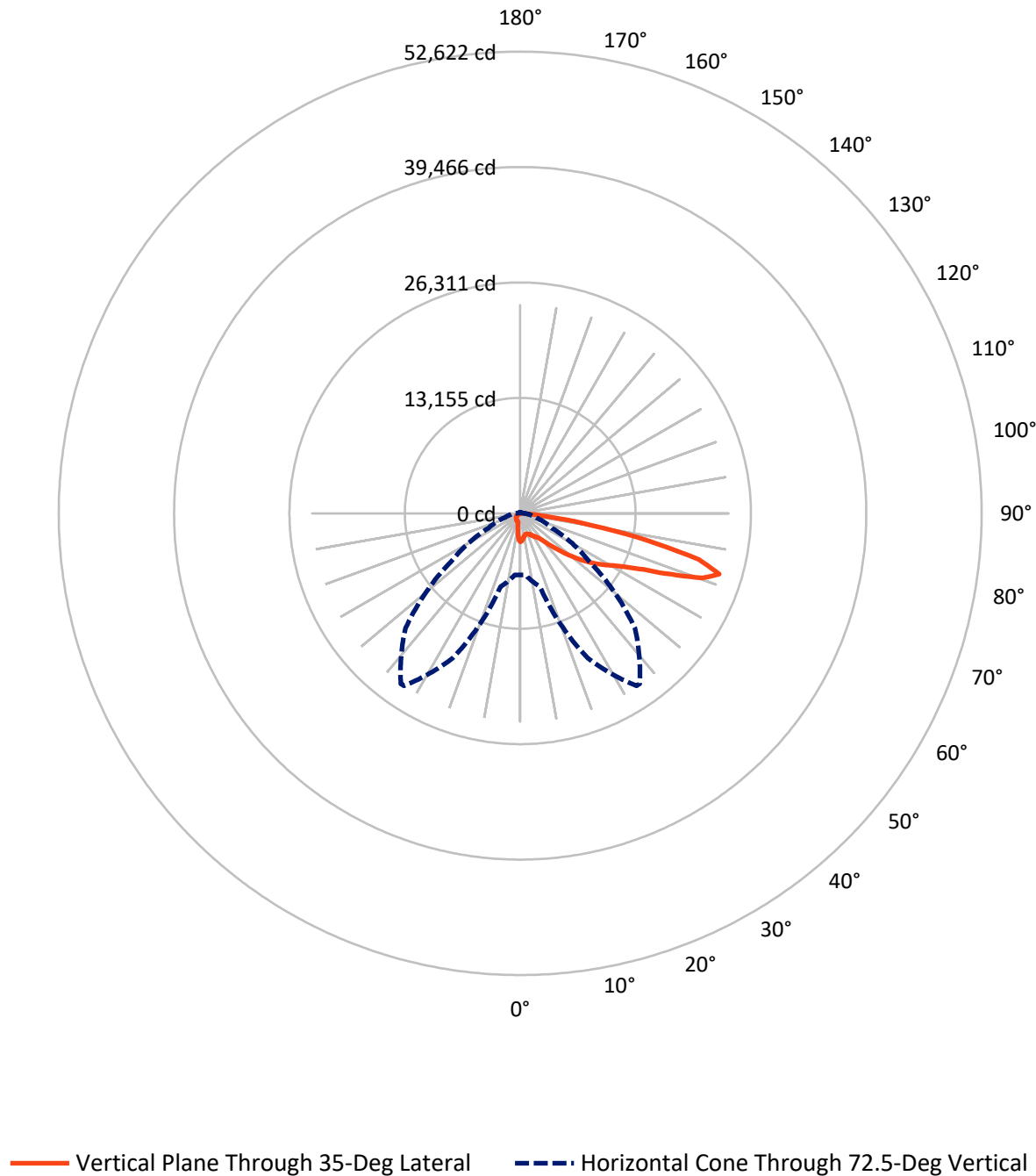
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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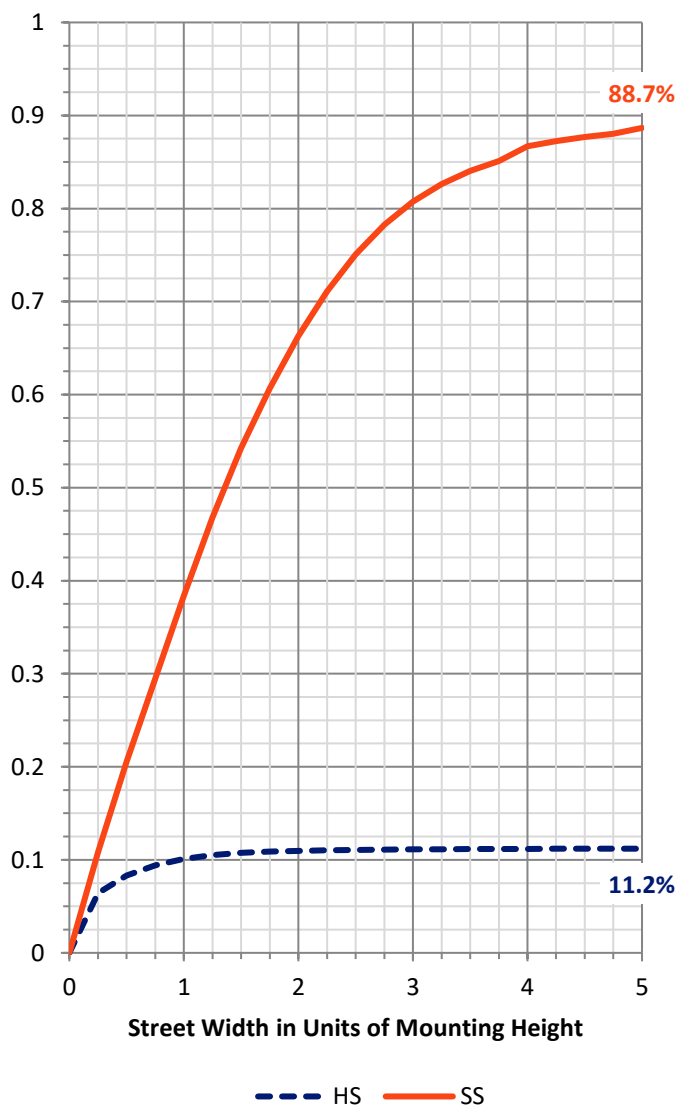
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2518.3	0.0	2518.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	19857.7	0.0	19857.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	22376.0	0.0	22376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.5	1.2
10°-20°	623.4	2.8
20°-30°	1012.7	4.5
30°-40°	1689.7	7.6
40°-50°	3197.0	14.3
50°-60°	5080.1	22.7
60°-70°	6284.4	28.1
70°-80°	3906.4	17.5
80°-90°	315.7	1.4
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°	22376.0	100.0
0°-180°	22376.0	100.0

Coefficient of Utilization



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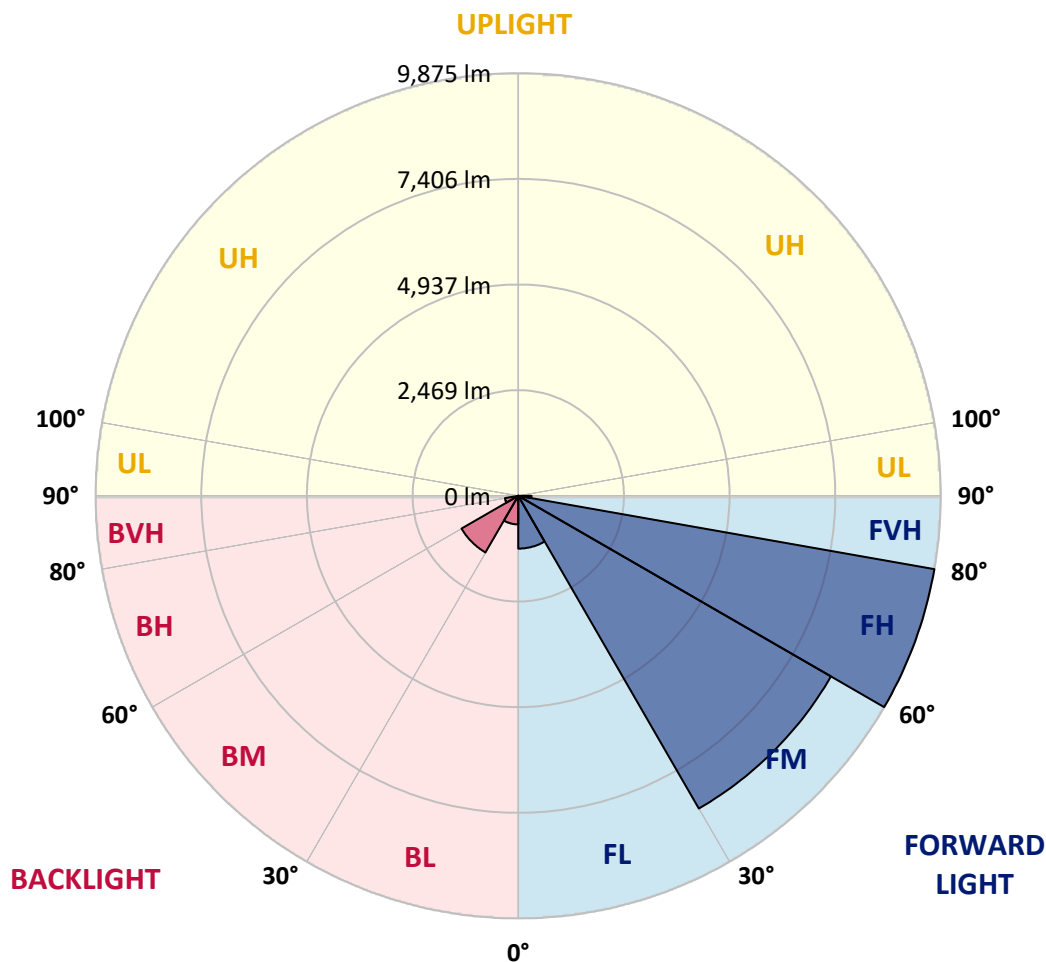
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1233.5	5.5			
FM	(30°-60°)	8438.0	37.7			
FH	(60°-80°)	9874.8	44.1			G4/12000
FVH	(80°-90°)	311.4	1.4			G3/500
BL	(0°-30°)	669.2	3.0	B2/1000		
BM	(30°-60°)	1528.8	6.8	B2/2500		
BH	(60°-80°)	316.0	1.4	B1/500		G1/500
BVH	(80°-90°)	4.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0
2.5°	3098.8	3125.0	3129.9	3138.1	3138.1	3147.9	3164.3	3187.3	3225.0	3244.7
5°	2856.1	2875.8	2900.4	2920.0	2957.8	2962.7	3026.6	3088.9	3175.8	3241.4
7.5°	2611.8	2634.8	2667.6	2715.1	2764.3	2779.0	2875.8	2980.7	3118.4	3241.4
10°	2439.7	2441.3	2470.8	2518.4	2597.0	2615.1	2733.1	2882.3	3054.5	3221.7
12.5°	2342.9	2354.4	2367.5	2403.6	2479.0	2490.5	2616.7	2792.2	2990.5	3210.2
15°	2342.9	2351.1	2359.3	2377.3	2438.0	2447.9	2559.3	2734.8	2957.8	3215.2
17.5°	2367.5	2380.6	2374.1	2395.4	2459.3	2465.9	2564.3	2718.4	2956.1	3246.3
20°	2426.5	2436.4	2423.3	2436.4	2500.3	2513.4	2615.1	2749.5	2984.0	3300.4
22.5°	2520.0	2524.9	2493.8	2503.6	2569.2	2585.6	2703.6	2838.1	3051.2	3387.3
25°	2638.0	2647.9	2600.3	2611.8	2674.1	2693.8	2829.9	2970.9	3157.8	3507.0
27.5°	2774.1	2779.0	2738.1	2736.4	2816.7	2844.6	2982.3	3134.8	3300.4	3657.8
30°	2929.9	2944.6	2905.3	2898.7	3000.4	3023.3	3159.4	3336.5	3510.3	3884.1
32.5°	3052.8	3064.3	3041.4	3057.8	3161.1	3179.1	3374.2	3621.8	3839.8	4205.4
35°	3229.9	3236.5	3184.0	3213.5	3331.6	3377.5	3667.7	4021.8	4254.6	4608.8
37.5°	3871.0	3871.0	3648.0	3502.1	3615.2	3656.2	4069.4	4525.2	4766.2	5149.8
40°	4758.0	4743.2	4417.0	4118.6	4103.8	4184.1	4641.6	5159.7	5426.9	5799.1
42.5°	5704.0	5681.0	5236.7	4941.6	4892.4	4920.3	5302.3	5941.7	6213.9	6591.0
45°	6543.4	6536.9	6130.3	5733.5	5645.0	5733.5	6127.0	6856.6	7051.7	7448.5
47.5°	7246.8	7246.8	6950.1	6691.0	6645.1	6697.6	7243.5	7871.5	7853.5	8361.7
50°	8056.8	8050.2	7768.2	7656.7	7704.3	7778.0	8528.9	8940.5	8683.1	9258.5
52.5°	8624.0	8663.4	8566.7	8548.6	8791.3	8919.2	9834.0	9986.5	9425.8	10109.5
55°	9073.3	9119.2	9230.7	9356.9	9824.2	9991.4	11098.1	10978.4	10047.2	10847.3
57.5°	9709.4	9643.8	9816.0	10065.2	10821.0	11022.7	12322.9	11914.6	10547.2	11445.7
60°	10481.7	10491.5	10521.0	10835.8	11816.2	12075.3	13529.6	12800.0	10868.6	11813.0
62.5°	11409.6	11424.4	11485.1	11968.7	13152.5	13396.8	14815.0	13524.7	11016.1	11709.7
65°	11345.7	11408.0	12085.1	13739.4	15183.9	15424.9	16315.2	14032.9	10793.2	10765.3
67.5°	10335.7	10437.4	11570.3	15854.5	18246.6	18515.5	18128.5	14132.9	9830.8	8371.5
70°	9011.0	9047.0	10409.5	17756.3	21792.9	22065.1	19751.7	13032.8	7460.0	4669.4
72.5°	7037.0	7045.2	8643.7	18197.4	23717.8	23732.5	18477.7	9675.0	4012.0	1793.7
75°	5026.9	4977.7	5789.3	14757.6	20866.6	21033.8	13852.6	4538.3	1533.0	847.6
77.5°	2695.4	2749.5	3275.8	8751.9	14414.9	14700.2	7558.3	1308.4	780.4	577.1
80°	832.9	878.8	1342.8	4007.1	8165.0	8337.1	2802.0	582.0	544.3	411.5
82.5°	262.3	272.2	626.3	1683.8	3389.0	3467.7	811.6	329.5	372.2	272.2
85°	75.4	77.1	278.7	627.9	837.8	854.2	227.9	127.9	213.1	168.9
87.5°	8.2	26.2	104.9	104.9	73.8	72.1	24.6	27.9	60.7	21.3
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°
3243.0	0°	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0	3243.0
3257.8	2.5°	3249.6	3251.2	3229.9	3193.8	3154.5	3121.7	3080.7	3047.9	3025.0	3018.4
3287.3	5°	3272.5	3261.1	3200.4	3090.6	2959.4	2846.3	2720.0	2620.0	2554.4	2526.5
3318.5	7.5°	3307.0	3274.2	3141.4	2925.0	2674.1	2451.1	2224.9	2049.4	1937.9	1882.2
3348.0	10°	3336.5	3270.9	3043.0	2685.6	2301.9	1964.2	1659.2	1447.7	1329.7	1273.9
3382.4	12.5°	3364.4	3269.3	2915.1	2401.9	1882.2	1469.0	1185.4	1080.5	1047.7	1036.2
3438.1	15°	3416.8	3274.2	2754.4	2077.3	1464.1	1110.0	1006.7	1005.0	1011.6	1008.3
3523.4	17.5°	3489.0	3279.1	2572.5	1733.0	1129.7	978.8	973.9	988.6	998.5	993.6
3630.0	20°	3582.4	3298.8	2379.0	1392.0	970.6	946.0	957.5	970.6	978.8	970.6
3772.6	22.5°	3713.6	3333.2	2167.5	1118.2	919.8	926.3	936.2	950.9	959.1	947.7
3954.6	25°	3874.3	3387.3	1959.3	972.3	895.2	903.4	918.1	934.5	944.4	932.9
4184.1	27.5°	4082.5	3474.2	1767.4	939.5	870.6	875.5	896.8	921.4	934.5	919.8
4510.4	30°	4384.2	3616.9	1601.8	954.2	855.8	844.4	873.9	908.3	923.1	910.0
4954.7	32.5°	4784.2	3818.5	1500.2	977.2	849.3	808.3	836.2	880.4	905.0	896.8
5535.1	35°	5308.9	4125.1	1460.8	1003.4	844.4	770.6	790.3	837.8	880.4	888.6
6266.4	37.5°	5945.0	4551.4	1472.3	1014.9	829.6	739.4	749.3	790.3	846.0	872.2
7089.4	40°	6668.1	5048.2	1537.9	1003.4	813.2	713.2	714.8	746.0	795.2	834.5
7974.8	42.5°	7414.1	5628.6	1659.2	960.8	798.5	690.3	685.3	706.6	739.4	767.3
8858.5	45°	8124.0	6225.4	1778.9	901.8	780.4	667.3	655.8	664.0	670.6	682.1
9719.3	47.5°	8743.7	6645.1	1744.5	847.6	755.8	641.1	621.4	618.1	598.4	596.8
10488.2	50°	9171.7	6736.9	1549.4	793.5	719.8	611.6	580.4	560.7	526.3	509.9
11063.7	52.5°	9307.7	6374.6	1265.7	739.4	660.7	572.2	527.9	496.8	454.2	439.4
11394.9	55°	9127.4	5664.7	1011.6	673.9	578.8	519.7	470.6	429.6	395.1	377.1
11431.0	57.5°	8686.3	4761.3	800.1	596.8	491.9	460.7	411.5	370.5	341.0	323.0
11030.9	60°	7955.1	3780.8	632.9	505.0	419.7	396.8	345.9	319.7	293.5	272.2
9998.0	62.5°	6845.1	2698.7	496.8	400.1	350.9	324.6	295.1	275.4	244.3	214.8
8140.4	65°	5341.7	1651.0	383.7	293.5	282.0	268.9	250.9	232.8	195.1	165.6
5310.5	67.5°	3369.3	782.1	273.8	221.3	223.0	216.4	208.2	193.5	165.6	139.4
2379.0	70°	1483.8	378.7	180.4	168.9	165.6	165.6	172.2	167.2	141.0	116.4
826.3	72.5°	505.0	203.3	134.4	127.9	119.7	118.0	144.3	139.4	113.1	90.2
411.5	75°	264.0	136.1	98.4	91.8	72.1	86.9	114.8	108.2	80.3	59.0
272.2	77.5°	172.2	96.7	67.2	59.0	41.0	57.4	85.3	75.4	47.5	29.5
178.7	80°	108.2	63.9	39.3	27.9	19.7	31.2	45.9	32.8	18.0	6.6
104.9	82.5°	57.4	32.8	14.8	9.8	8.2	9.8	11.5	8.2	3.3	0.0
54.1	85°	23.0	11.5	4.9	3.3	1.6	0.0	3.3	1.6	0.0	0.0
9.8	87.5°	8.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3243.0
3029.9
2536.4
1890.4
1275.6
1032.9
1006.7
991.9
969.0
946.0
931.3
919.8
908.3
896.8
888.6
878.8
847.6
778.8
688.6
595.2
511.5
437.8
377.1
319.7
267.2
209.9
160.7
136.1
111.5
85.3
54.1
26.2
4.9
0.0
0.0
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0.0