

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: P941759

Luminaire Tested: **GLAN-SB5B-940-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-940-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20373 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 182.7
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



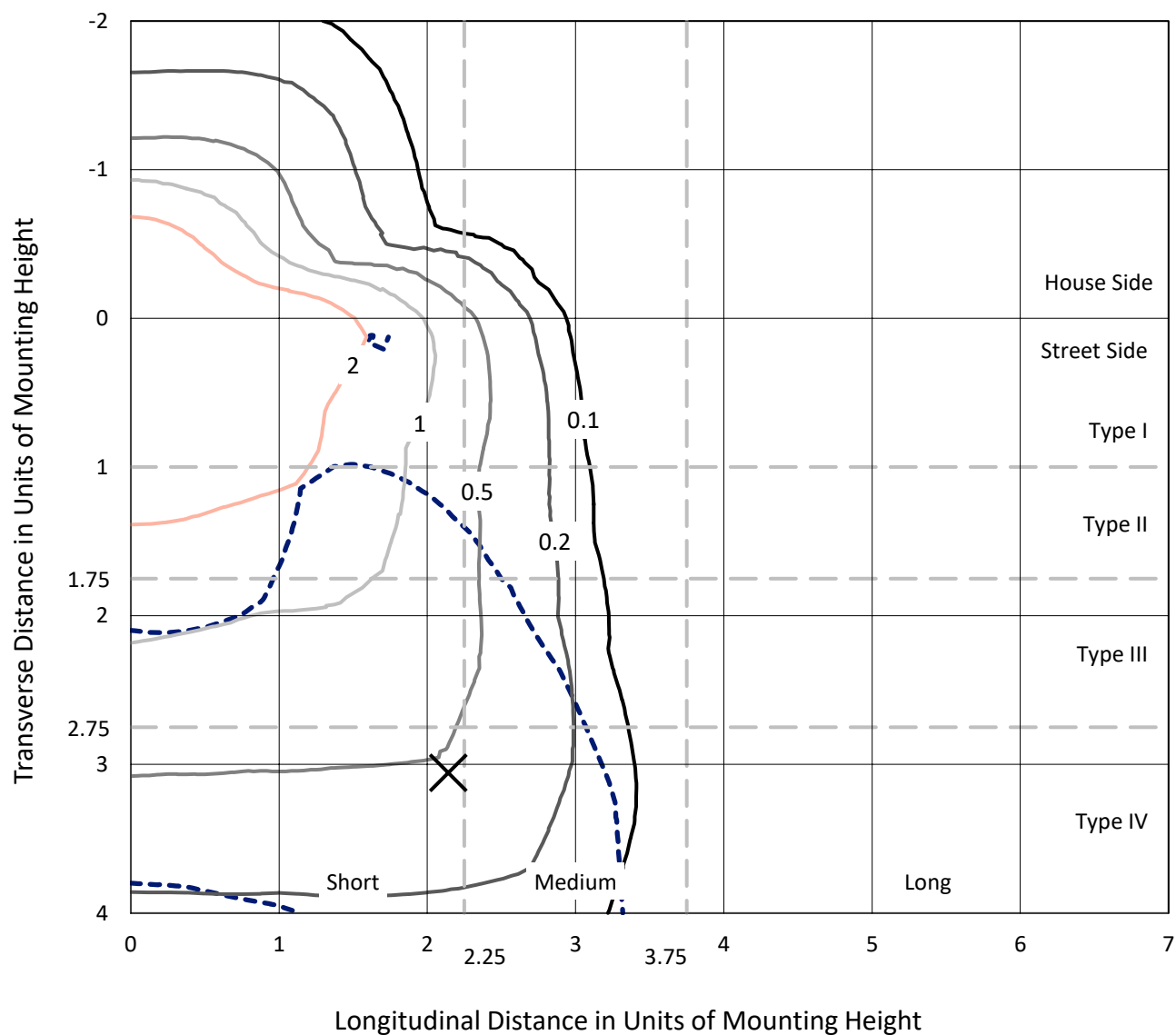
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

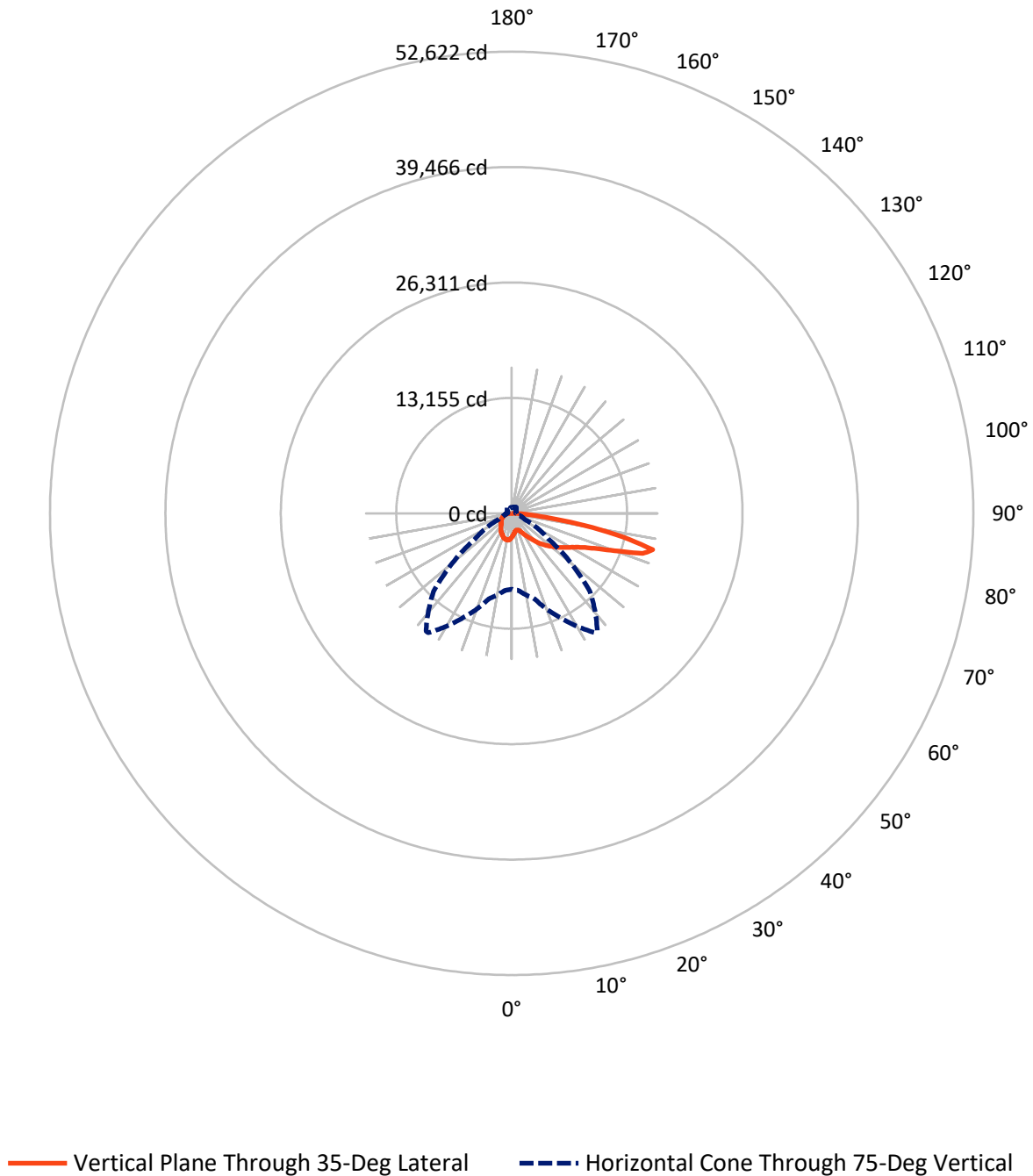


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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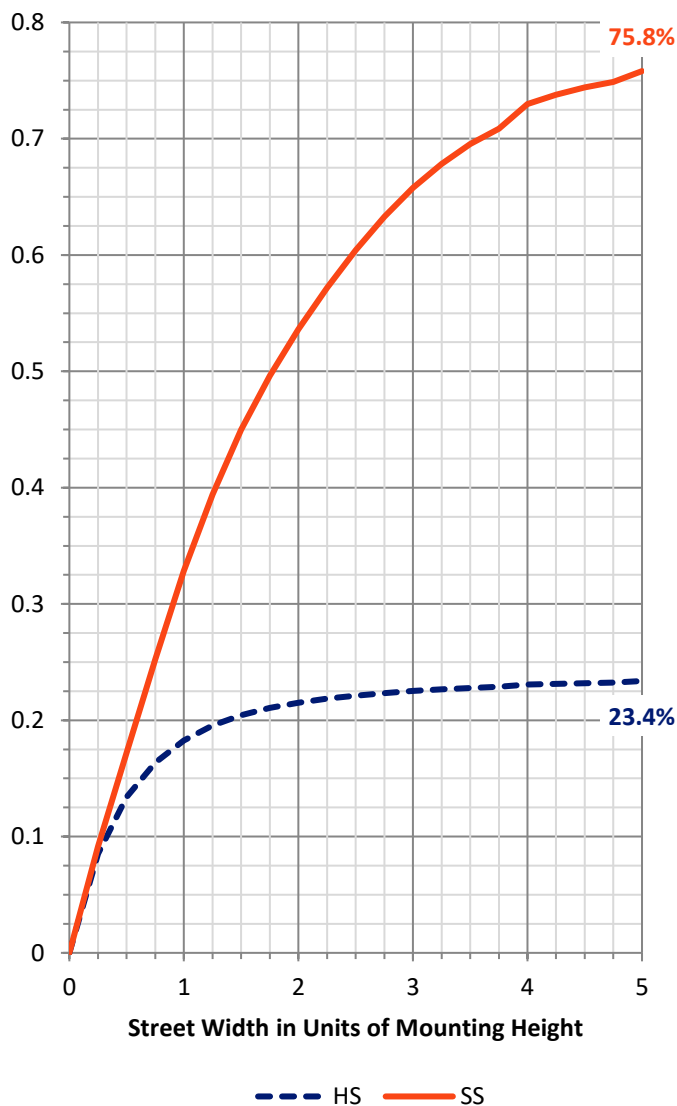
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4848.3	0.0	4848.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	15524.7	0.0	15524.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	20373.0	0.0	20373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.0	1.3
10°-20°	741.4	3.6
20°-30°	1245.0	6.1
30°-40°	1935.0	9.5
40°-50°	2872.0	14.1
50°-60°	3965.0	19.5
60°-70°	4810.4	23.6
70°-80°	3975.4	19.5
80°-90°	571.8	2.8
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°	20373.0	100.0
0°-180°	20373.0	100.0

Coefficient of Utilization



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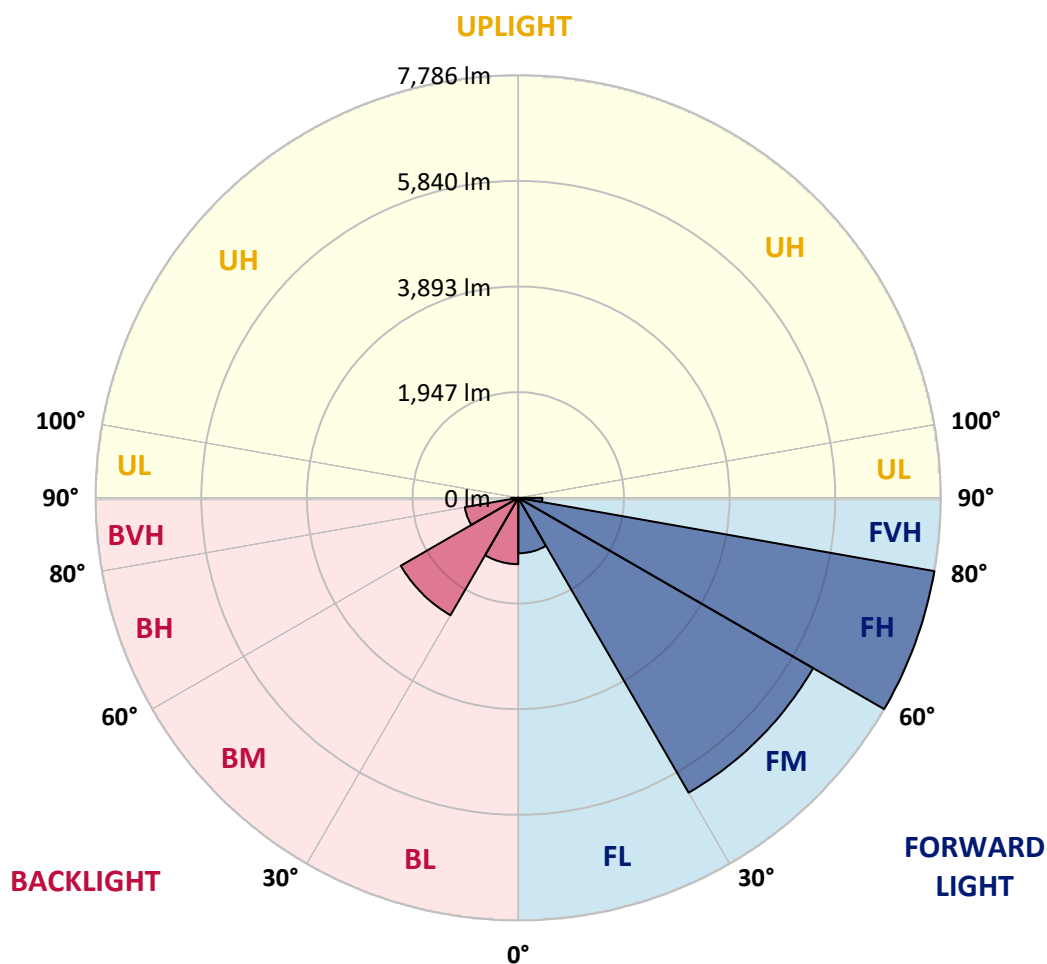
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1021.7	5.0			
FM	(30°-60°)	6273.8	30.8			
FH	(60°-80°)	7786.3	38.2			G4/12000
FVH	(80°-90°)	443.0	2.2			G3/500
BL	(0°-30°)	1221.8	6.0	B3/2500		
BM	(30°-60°)	2498.1	12.3	B2/2500		
BH	(60°-80°)	999.6	4.9	B2/1000		G2/1000
BVH	(80°-90°)	128.8	0.6			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°	36°	45°	55°	65°	75°
0°	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8
2.5°	2503.4	2518.8	2525.4	2522.1	2538.6	2536.4	2559.5	2588.2	2627.8	2666.4
5°	2310.6	2327.2	2341.5	2354.7	2386.6	2396.5	2432.9	2488.0	2560.7	2634.4
7.5°	2131.1	2145.4	2167.5	2191.7	2245.7	2255.6	2316.1	2402.1	2503.4	2611.3
10°	1984.6	1999.0	2022.1	2049.6	2116.8	2128.9	2206.0	2320.6	2452.7	2589.3
12.5°	1921.9	1926.3	1939.5	1967.0	2025.4	2033.1	2117.9	2249.0	2403.2	2572.8
15°	1918.6	1927.4	1928.5	1942.8	1991.2	1994.6	2072.8	2202.7	2372.3	2569.5
17.5°	1951.6	1958.2	1948.3	1957.1	1997.9	2003.4	2065.0	2180.7	2362.4	2583.8
20°	2039.7	2045.2	2015.5	2003.4	2033.1	2037.5	2098.1	2195.0	2372.3	2613.5
22.5°	2226.9	2230.2	2157.6	2108.0	2110.2	2112.4	2165.3	2253.4	2410.9	2667.5
25°	2518.8	2516.6	2401.0	2305.1	2250.1	2238.0	2273.2	2348.1	2475.8	2739.1
27.5°	2860.2	2843.7	2728.1	2584.9	2464.8	2447.2	2439.5	2471.4	2568.4	2833.8
30°	3245.7	3230.3	3105.8	2918.6	2752.3	2723.7	2651.0	2634.4	2706.0	2962.6
32.5°	3668.6	3658.7	3510.0	3283.1	3060.7	3027.6	2905.4	2861.3	2917.5	3157.6
35°	4023.2	4014.4	3891.1	3657.6	3385.6	3344.8	3220.4	3170.8	3199.4	3407.6
37.5°	4343.7	4339.3	4233.6	4049.7	3768.8	3719.3	3579.4	3562.9	3557.4	3736.9
40°	4641.1	4630.1	4520.0	4423.0	4214.9	4169.7	4046.4	4032.1	3990.2	4142.2
42.5°	4970.4	4941.8	4782.1	4736.9	4680.8	4643.3	4569.5	4571.7	4479.2	4599.3
45°	5239.1	5222.6	5058.5	5032.1	5092.7	5077.2	5141.1	5157.6	4978.1	5078.3
47.5°	5527.7	5512.3	5373.5	5354.8	5518.9	5523.3	5749.1	5754.6	5464.9	5576.2
50°	5883.4	5861.4	5723.7	5746.9	5930.8	5947.3	6360.3	6322.9	5913.2	6081.7
52.5°	6118.0	6131.2	6101.5	6139.0	6390.1	6405.5	6961.7	6865.8	6357.0	6580.6
55°	6290.9	6317.4	6409.9	6495.8	6874.7	6890.1	7528.9	7382.4	6724.9	7043.2
57.5°	6513.4	6476.0	6648.9	6816.3	7335.0	7375.8	8080.6	7880.2	7050.9	7441.9
60°	6832.8	6806.4	6940.7	7188.5	7850.5	7915.4	8664.4	8328.4	7289.9	7757.9
62.5°	7480.4	7414.3	7435.2	7654.4	8500.3	8586.2	9323.0	8719.4	7408.8	7881.3
65°	8448.5	8335.1	8229.3	8381.3	9415.5	9500.3	10066.4	9026.7	7364.8	7642.3
67.5°	9667.7	9555.4	9425.4	9568.6	10763.5	10830.7	10983.8	9199.6	7017.8	6721.6
70°	10673.2	10631.4	10786.7	11375.9	12916.7	12918.9	12160.1	9056.4	6067.4	4765.6
72.5°	10540.0	10514.6	11332.9	13154.6	15630.4	15572.1	13273.5	7972.7	4087.1	2149.8
75°	8646.7	8810.8	10078.5	13122.6	16605.1	16597.4	12591.8	5068.4	1690.6	891.0
77.5°	4636.7	4896.6	6543.2	9688.6	12962.9	13157.9	8852.7	1773.2	725.8	570.5
80°	1512.2	1739.0	2608.0	4933.0	8423.2	8386.8	3794.2	696.1	496.7	404.2
82.5°	642.1	668.5	1165.2	2329.4	4322.8	4255.6	1208.2	399.8	349.1	276.4
85°	251.1	280.8	514.3	1077.1	1872.3	1831.6	436.1	198.2	223.6	180.6
87.5°	82.6	100.2	183.9	369.0	582.6	561.7	106.8	68.3	96.9	82.6
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°
2714.8	0°	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8	2714.8
2722.5	2.5°	2738.0	2755.6	2776.5	2807.4	2833.8	2855.8	2878.9	2893.3	2898.8	2915.3
2727.0	5°	2757.8	2796.3	2848.1	2898.8	2948.3	2978.1	3004.5	3017.7	3029.8	3038.6
2739.1	7.5°	2790.8	2840.4	2921.9	2988.0	3029.8	3054.1	3071.7	3067.3	3071.7	3073.9
2752.3	10°	2819.5	2888.9	2985.8	3048.6	3080.5	3081.6	3077.2	3061.8	3054.1	3055.2
2772.1	12.5°	2853.6	2930.7	3035.3	3088.2	3097.0	3072.8	3054.1	3027.6	3017.7	3013.3
2801.8	15°	2899.9	2988.0	3089.3	3109.1	3087.1	3056.3	3024.3	2981.4	2959.3	2941.7
2852.5	17.5°	2956.0	3053.0	3131.2	3116.8	3069.5	3018.8	2967.1	2902.1	2856.9	2838.2
2921.9	20°	3034.2	3121.2	3163.1	3100.3	3028.7	2951.6	2863.5	2784.2	2742.4	2723.7
3010.0	22.5°	3128.9	3212.7	3193.9	3071.7	2970.4	2847.0	2736.9	2678.5	2657.6	2644.4
3123.4	25°	3242.4	3314.0	3216.0	3029.8	2874.5	2708.2	2623.4	2604.7	2594.8	2584.9
3262.2	27.5°	3390.0	3428.5	3232.5	2968.2	2724.8	2560.7	2529.8	2533.1	2529.8	2513.3
3455.0	30°	3584.9	3577.2	3247.9	2867.9	2552.9	2427.4	2429.6	2443.9	2446.1	2435.1
3723.7	32.5°	3841.5	3763.3	3255.6	2738.0	2388.8	2310.6	2312.8	2328.3	2339.3	2320.6
4075.0	35°	4152.1	3980.3	3243.5	2575.0	2262.2	2199.4	2182.9	2187.3	2190.6	2173.0
4501.2	37.5°	4514.5	4223.7	3189.5	2394.3	2157.6	2090.4	2055.1	2025.4	2007.8	1991.2
4983.6	40°	4912.0	4489.1	3090.4	2218.1	2040.8	1974.7	1921.9	1865.7	1806.2	1784.2
5494.7	42.5°	5328.4	4762.3	2970.4	2049.6	1906.4	1852.5	1796.3	1714.8	1625.6	1580.4
6025.5	45°	5760.1	5042.0	2852.5	1883.3	1768.8	1745.6	1680.7	1582.6	1485.7	1428.5
6557.5	47.5°	6183.0	5306.3	2679.6	1715.9	1639.9	1665.2	1614.6	1524.3	1416.3	1326.0
7085.0	50°	6587.2	5554.1	2396.5	1546.3	1535.3	1641.0	1592.6	1462.6	1339.2	1223.6
7602.7	52.5°	6988.1	5754.6	2034.2	1392.1	1479.1	1634.4	1563.9	1420.7	1269.9	1148.7
8089.5	55°	7328.4	5858.1	1685.1	1260.0	1397.6	1578.2	1529.8	1371.2	1171.8	1043.0
8423.2	57.5°	7522.3	5774.4	1394.3	1130.0	1285.3	1485.7	1471.4	1265.5	1055.1	956.0
8488.1	60°	7438.6	5435.2	1156.4	1016.6	1178.4	1385.5	1370.1	1160.8	965.9	872.3
8140.1	62.5°	6977.1	4788.7	968.1	917.4	1081.5	1283.1	1268.8	1080.4	897.6	807.3
7216.1	65°	6047.5	3895.5	821.6	834.8	983.5	1159.7	1180.7	1013.2	843.6	755.5
5582.8	67.5°	4612.5	2821.7	707.1	763.2	887.7	1038.6	1099.2	964.8	798.5	714.8
3230.3	70°	2628.9	1602.5	610.2	693.9	802.9	926.2	1036.4	926.2	750.0	680.6
1210.4	72.5°	996.7	735.7	527.5	624.5	721.4	831.5	967.0	865.7	693.9	642.1
625.6	75°	532.0	448.3	443.8	543.0	627.8	739.0	880.0	806.2	652.0	678.4
432.8	77.5°	362.3	317.2	371.2	464.8	525.3	636.6	787.5	715.9	565.0	562.8
299.6	80°	251.1	224.7	301.8	374.5	406.4	535.3	687.2	614.6	460.4	429.5
185.0	82.5°	150.9	146.5	225.8	279.7	287.5	413.0	569.4	515.4	376.7	328.2
110.1	85°	82.6	87.0	144.3	164.1	167.4	288.6	446.0	398.7	289.7	243.4
39.6	87.5°	23.1	29.7	52.9	65.0	80.4	149.8	265.4	236.8	145.4	101.3
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°
2714.8
2914.2
3040.8
3077.2
3057.4
3011.1
2947.2
2839.3
2721.4
2646.6
2584.9
2516.6
2440.6
2329.4
2185.1
2002.3
1794.1
1586.0
1424.1
1316.1
1213.7
1135.5
1032.0
942.8
859.1
793.0
741.2
701.6
671.8
633.3
700.5
518.7
410.8
330.4
245.6
101.3
0.0