

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: McGRAW-EDISON

Report Number: P953418

Luminaire Tested: **GALN-SB7A-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26302 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
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



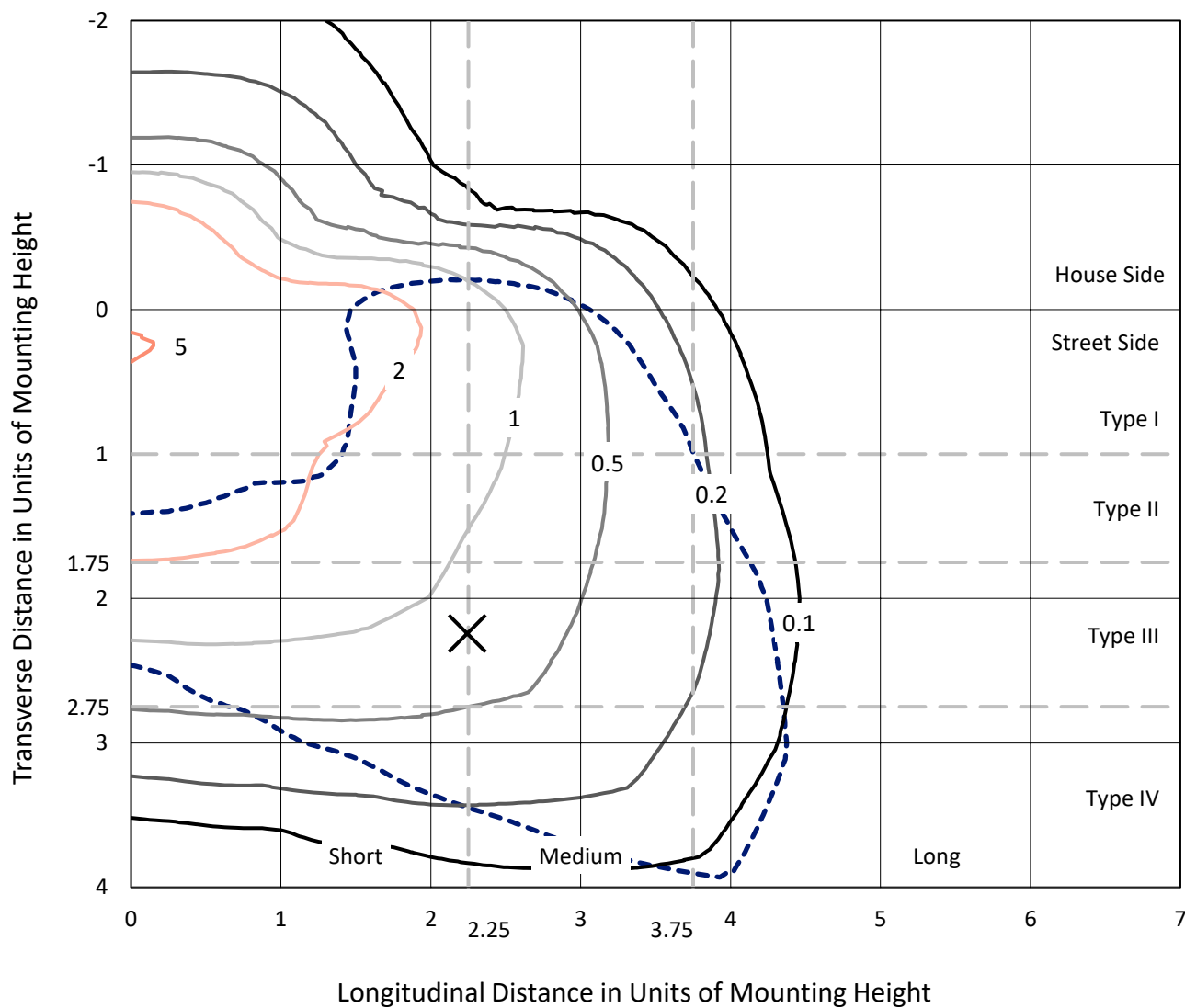
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



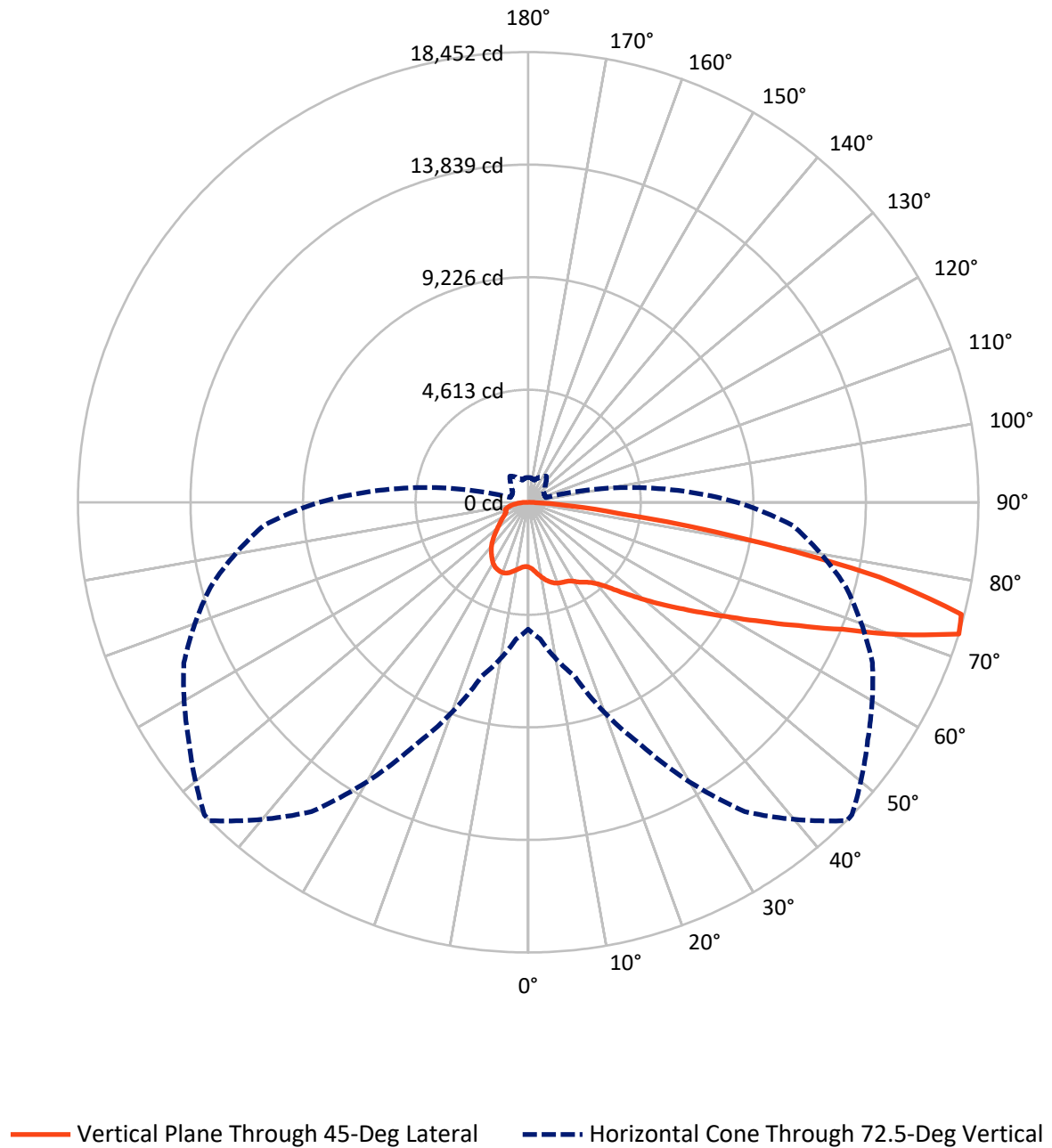
Based on 25 foot mounting height. Maximum calculated value = 5.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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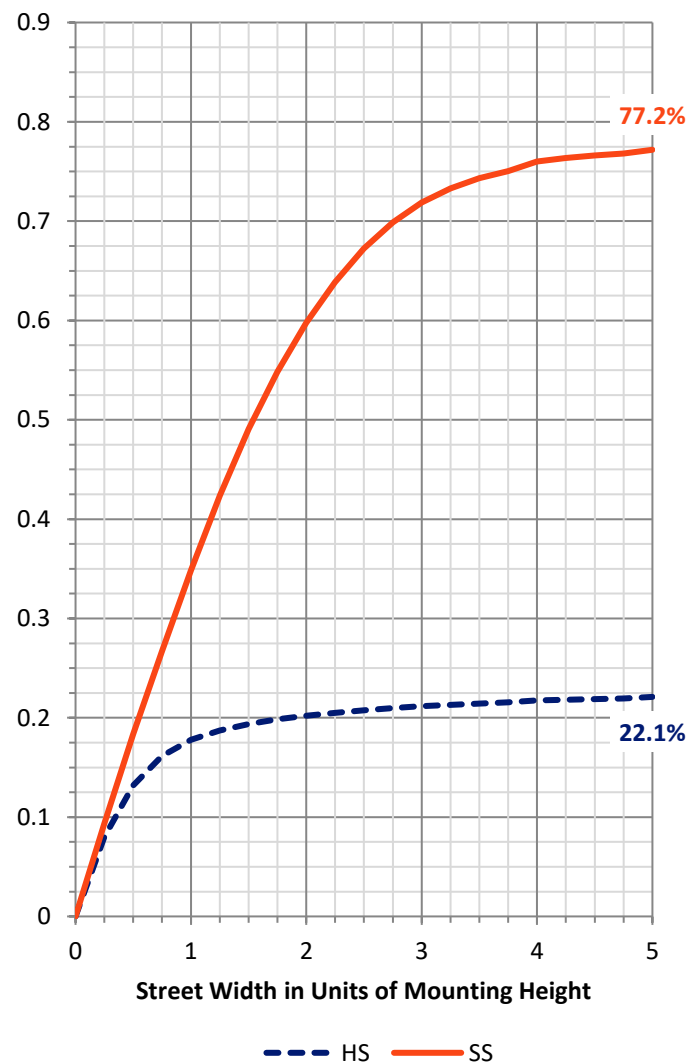
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5946.0	0.0	5946.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	20356.0	0.0	20356.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	26302.0	0.0	26302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.1	1.0
10°-20°	900.4	3.4
20°-30°	1566.3	6.0
30°-40°	2245.4	8.5
40°-50°	3161.7	12.0
50°-60°	4842.7	18.4
60°-70°	7015.4	26.7
70°-80°	5602.2	21.3
80°-90°	697.7	2.7
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°	26302.0	100.0
0°-180°	26302.0	100.0

Coefficient of Utilization



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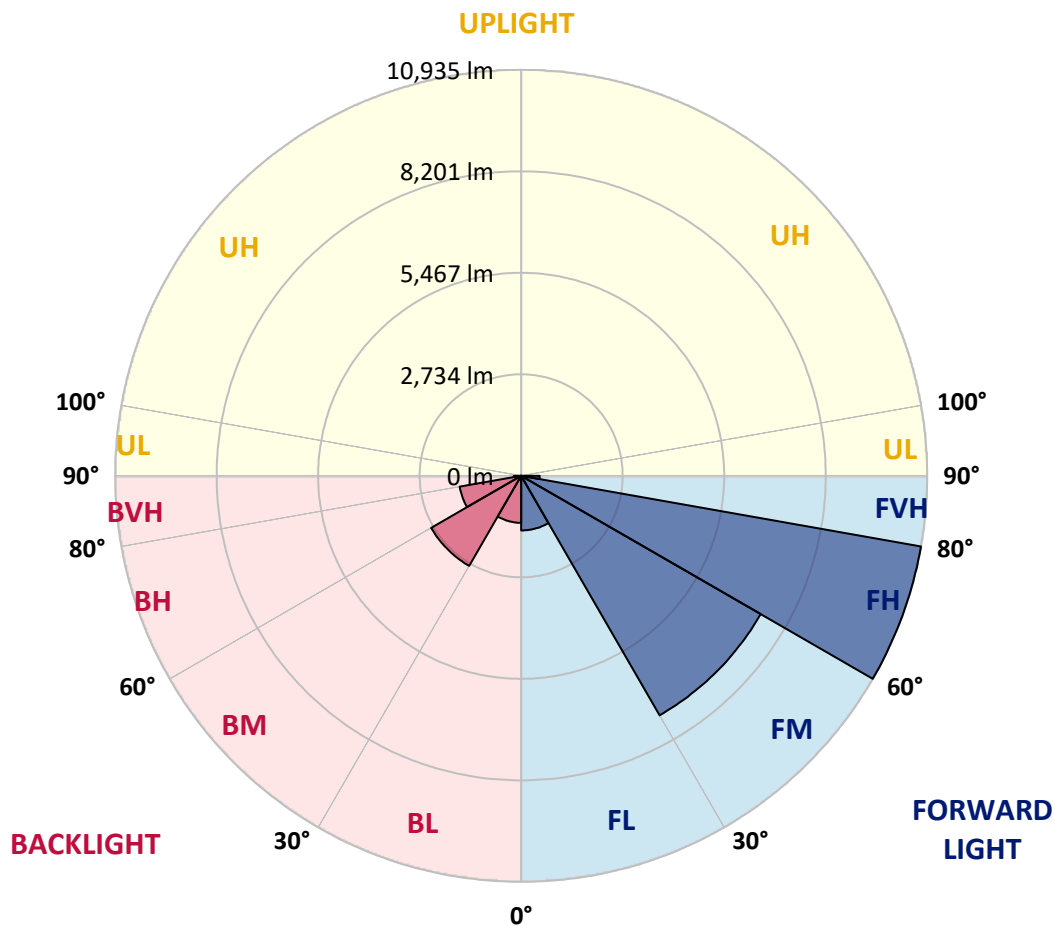
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1470.8	5.6			
FM	(30°-60°)	7450.1	28.3			
FH	(60°-80°)	10934.5	41.6			G4/12000
FVH	(80°-90°)	500.6	1.9			G4/750
BL	(0°-30°)	1265.9	4.8	B3/2500		
BM	(30°-60°)	2799.7	10.6	B3/5000		
BH	(60°-80°)	1683.1	6.4	B3/2500		G3/2500
BVH	(80°-90°)	197.2	0.7			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°	45°	46°	55°	65°	75°	85°
0°	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4
2.5°	2757.3	2775.3	2758.7	2743.4	2736.5	2718.5	2717.1	2706.0	2699.1	2679.7	2674.1
5°	2949.9	2973.4	2945.7	2915.2	2887.5	2843.2	2837.6	2805.8	2769.7	2728.2	2704.6
7.5°	3167.4	3188.2	3156.3	3110.6	3062.1	2988.7	2987.3	2929.1	2872.3	2801.6	2761.4
10°	3357.2	3384.9	3342.0	3279.6	3218.7	3135.5	3125.8	3059.3	2987.3	2895.8	2834.9
12.5°	3524.9	3544.3	3502.7	3426.5	3355.8	3272.7	3260.2	3186.8	3106.4	3002.5	2924.9
15°	3657.9	3682.8	3627.4	3545.7	3470.8	3389.1	3378.0	3311.5	3231.1	3121.7	3021.9
17.5°	3745.2	3766.0	3709.2	3617.7	3545.7	3477.8	3469.5	3414.0	3343.4	3232.5	3125.8
20°	3778.4	3800.6	3741.0	3648.2	3581.7	3529.0	3524.9	3484.7	3436.2	3335.1	3227.0
22.5°	3811.7	3832.5	3754.9	3657.9	3599.7	3566.4	3565.1	3538.7	3519.3	3436.2	3330.9
25°	3946.1	3951.6	3847.7	3707.8	3624.6	3595.5	3594.2	3592.8	3601.1	3536.0	3443.1
27.5°	4062.5	4061.1	3972.4	3840.8	3711.9	3651.0	3649.6	3663.4	3689.8	3635.7	3559.5
30°	4232.9	4217.7	4112.4	3975.2	3857.4	3763.2	3754.9	3742.4	3763.2	3720.2	3675.9
32.5°	4594.5	4546.0	4375.6	4131.8	3978.0	3905.9	3894.8	3817.2	3825.5	3799.2	3777.1
35°	5112.7	5049.0	4821.8	4428.3	4127.6	4025.1	4019.5	3921.2	3904.5	3881.0	3889.3
37.5°	5729.3	5650.3	5385.7	4857.8	4385.3	4163.6	4155.3	4066.6	3998.7	3973.8	4020.9
40°	6348.7	6248.9	6030.0	5381.5	4765.0	4395.0	4368.7	4234.3	4156.7	4115.1	4214.9
42.5°	6950.0	6866.9	6679.8	5969.0	5233.3	4733.1	4674.9	4444.9	4386.7	4347.9	4528.0
45°	7482.1	7407.2	7270.1	6596.7	5782.0	5193.1	5136.3	4760.8	4742.8	4742.8	5003.3
47.5°	7914.4	7897.7	7752.2	7236.8	6429.0	5716.8	5618.5	5200.0	5248.5	5323.3	5678.1
50°	8393.8	8348.0	8192.9	7867.2	7189.7	6316.8	6236.4	5739.0	5920.5	6125.6	6653.5
52.5°	8834.4	8859.3	8686.1	8524.0	8048.8	6986.0	6844.7	6375.0	6767.1	7106.6	7796.6
55°	9287.5	9288.8	9240.3	9218.2	8949.4	7725.9	7570.7	7139.8	7763.3	8184.5	9129.5
57.5°	9712.8	9715.6	9787.6	9983.0	9994.1	8579.4	8403.5	8079.2	8870.4	9299.9	10504.0
60°	10092.5	10111.9	10308.6	10765.9	10912.7	9557.6	9391.4	9189.1	10014.9	10447.2	11949.1
62.5°	10219.9	10290.6	10728.4	11378.3	11820.3	10757.5	10594.0	10473.5	11217.5	11619.4	13157.3
65°	10003.8	10165.9	11012.5	11884.0	12754.1	12183.3	12021.2	11889.5	12467.3	12845.6	14149.4
67.5°	9473.1	9682.3	10995.9	12414.7	13887.5	13898.6	13747.6	13438.6	13807.2	13952.7	14472.2
70°	8075.1	8388.2	10027.3	12612.8	15188.6	16244.4	16098.9	15303.6	15144.2	14440.4	13563.3
72.5°	5202.8	5624.0	7383.7	10982.0	15478.2	18451.6	18443.3	16987.0	15566.8	13492.6	10878.1
75°	1898.2	2155.9	3430.7	6893.2	12992.5	18339.4	18393.4	16698.8	14210.4	10422.2	6776.8
77.5°	691.4	756.5	1119.5	2649.2	7990.6	14714.7	14826.9	13349.9	10114.6	5230.5	2685.2
80°	363.0	399.0	573.6	1028.1	3423.7	8738.8	8914.7	7933.8	4753.9	1575.4	805.0
82.5°	200.9	217.5	321.5	558.4	1542.1	3736.9	3842.2	3134.2	1672.4	667.8	332.5
85°	108.1	115.0	151.0	304.8	753.7	1295.5	1324.6	936.6	666.5	392.1	160.7
87.5°	31.9	38.8	49.9	97.0	295.1	291.0	297.9	185.7	263.3	198.1	52.7
90°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4	2653.4
2.5°	2665.8	2661.7	2646.4	2639.5	2631.2	2629.8	2636.7	2638.1	2639.5	2640.9	2646.4
5°	2690.8	2676.9	2663.1	2654.7	2657.5	2658.9	2672.8	2682.5	2689.4	2694.9	2697.7
7.5°	2739.3	2728.2	2704.6	2703.2	2707.4	2719.9	2737.9	2760.0	2772.5	2782.2	2785.0
10°	2811.3	2790.5	2762.8	2767.0	2775.3	2793.3	2830.7	2848.7	2869.5	2887.5	2883.4
12.5°	2884.7	2866.7	2834.9	2837.6	2851.5	2883.4	2919.4	2941.6	2955.4	2969.3	2974.8
15°	2980.4	2948.5	2913.8	2913.8	2938.8	2973.4	2990.1	3008.1	3016.4	3031.6	3037.2
17.5°	3078.7	3037.2	2991.4	2988.7	3019.1	3035.8	3045.5	3048.2	3051.0	3067.6	3073.2
20°	3177.1	3131.4	3066.3	3060.7	3067.6	3064.9	3063.5	3060.7	3064.9	3085.7	3094.0
22.5°	3274.1	3221.4	3131.4	3106.4	3087.0	3060.7	3059.3	3057.9	3060.7	3081.5	3095.4
25°	3387.7	3324.0	3203.4	3128.6	3063.5	3027.5	3031.6	3033.0	3035.8	3052.4	3074.6
27.5°	3511.0	3440.4	3269.9	3121.7	3003.9	2979.0	2972.0	2976.2	2985.9	3012.2	3038.5
30°	3634.3	3551.2	3330.9	3094.0	2929.1	2894.4	2872.3	2882.0	2912.5	2938.8	2967.9
32.5°	3746.6	3663.4	3379.4	3033.0	2833.5	2779.4	2750.3	2762.8	2793.3	2803.0	2837.6
35°	3878.2	3784.0	3400.2	2936.0	2729.6	2646.4	2607.6	2589.6	2604.9	2595.2	2625.6
37.5°	4025.1	3926.7	3397.4	2808.5	2607.6	2512.0	2458.0	2390.1	2358.2	2325.0	2345.8
40°	4242.6	4101.3	3364.2	2654.7	2456.6	2369.3	2272.3	2157.3	2085.3	2020.2	2024.3
42.5°	4539.1	4343.8	3303.2	2485.7	2286.2	2204.4	2072.8	1938.4	1824.8	1716.7	1707.0
45°	4981.1	4661.0	3227.0	2305.6	2101.9	2021.5	1878.8	1727.8	1598.9	1460.4	1443.8
47.5°	5618.5	5087.8	3154.9	2100.5	1907.9	1834.5	1705.6	1565.7	1413.3	1278.9	1263.6
50°	6494.2	5700.2	3088.4	1901.0	1716.7	1661.3	1558.8	1416.0	1262.3	1154.2	1147.2
52.5°	7608.1	6532.9	3060.7	1708.4	1538.0	1517.2	1435.4	1302.4	1156.9	1065.5	1058.6
55°	8887.0	7529.2	3060.7	1524.1	1381.4	1388.3	1331.5	1208.2	1082.1	1000.4	992.1
57.5°	10192.2	8537.9	3005.3	1353.7	1248.4	1277.5	1241.5	1133.4	1019.8	935.3	921.4
60°	11394.9	9383.1	2780.8	1198.5	1130.6	1176.3	1152.8	1060.0	921.4	850.7	839.7
62.5°	12319.1	9859.7	2348.5	1075.2	1033.6	1086.3	1073.8	963.0	903.4	874.3	864.6
65°	12781.9	9782.1	1795.7	965.7	951.9	1033.6	1007.3	1003.2	956.0	922.8	911.7
67.5°	12497.8	9114.3	1302.4	885.4	904.8	985.1	1086.3	1102.9	1015.6	950.5	939.4
70°	11252.2	7906.0	969.9	809.2	845.2	986.5	1238.7	1154.2	996.2	920.0	907.5
72.5°	8560.0	5895.6	752.4	728.8	767.6	993.5	1306.6	1130.6	940.8	1017.0	1008.7
75°	4895.2	3236.7	604.1	630.4	670.6	928.3	1272.0	1069.7	897.8	933.9	933.9
77.5°	1866.4	1244.2	498.8	533.4	539.0	810.6	1216.5	1065.5	854.9	834.1	760.7
80°	647.1	486.3	412.9	424.0	417.1	720.5	1166.6	926.9	699.7	626.3	605.5
82.5°	264.6	242.5	327.0	313.1	296.5	559.8	942.2	757.9	572.2	505.7	500.2
85°	115.0	153.8	216.1	189.8	171.8	388.0	755.1	641.5	483.6	417.1	415.7
87.5°	23.6	58.2	91.4	85.9	88.7	259.1	536.2	455.9	342.2	256.3	200.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)