

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: P941098

Luminaire Tested: **GALN-SB4C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941098
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: MCGRAW-EDISON
Catalog Number: GALN-SB4C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA 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: 18773 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

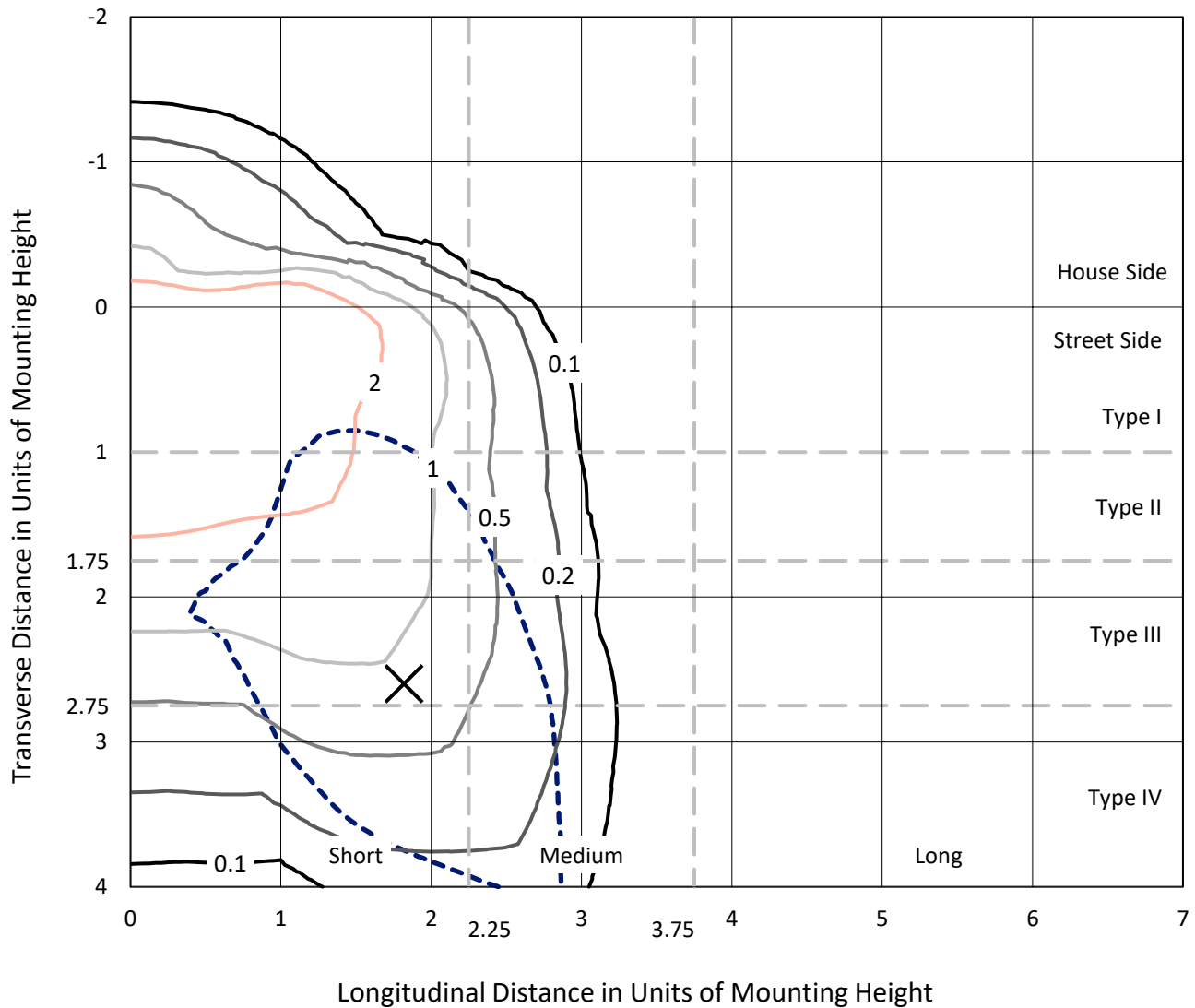
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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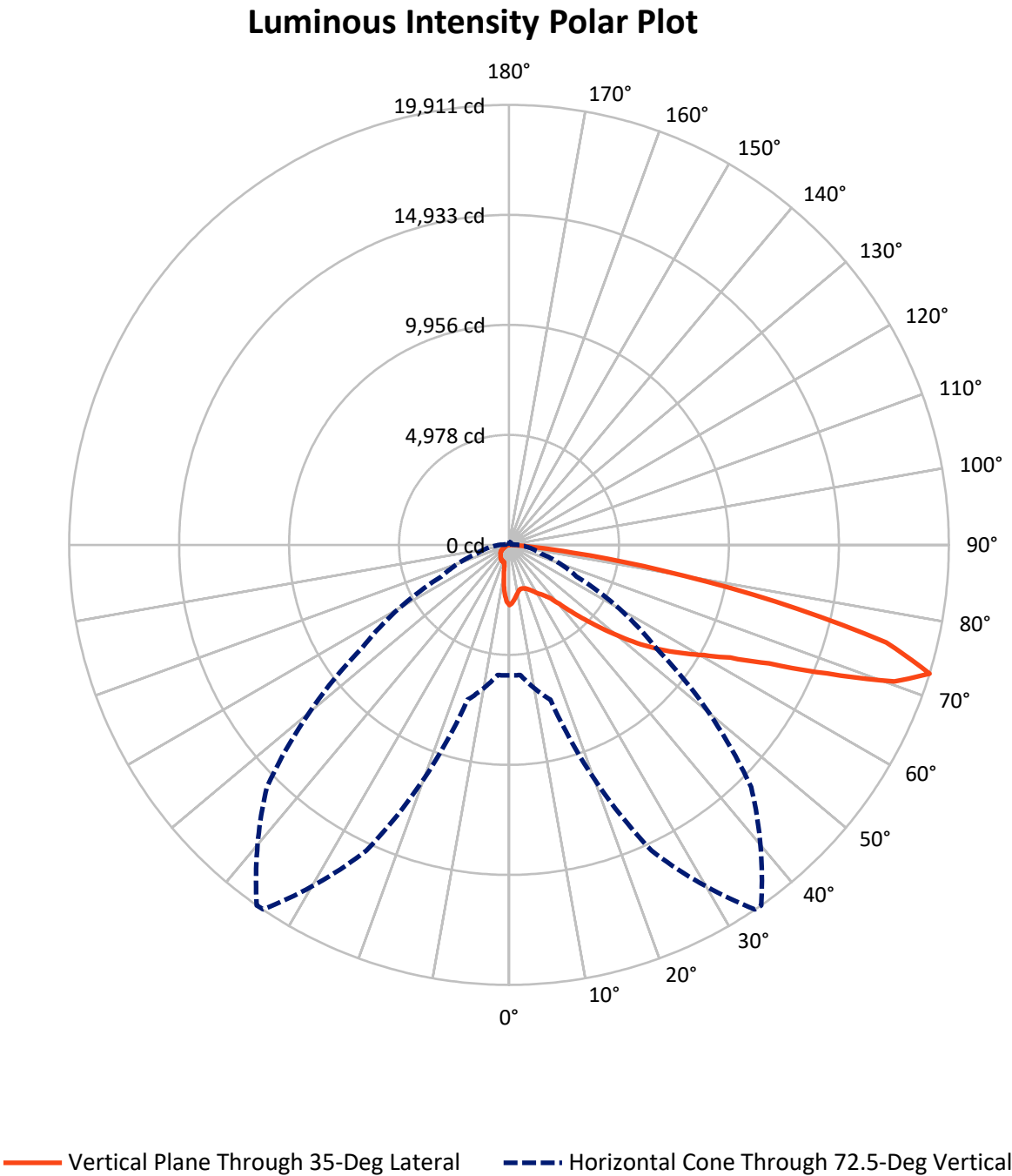
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type IV - Short - N/A

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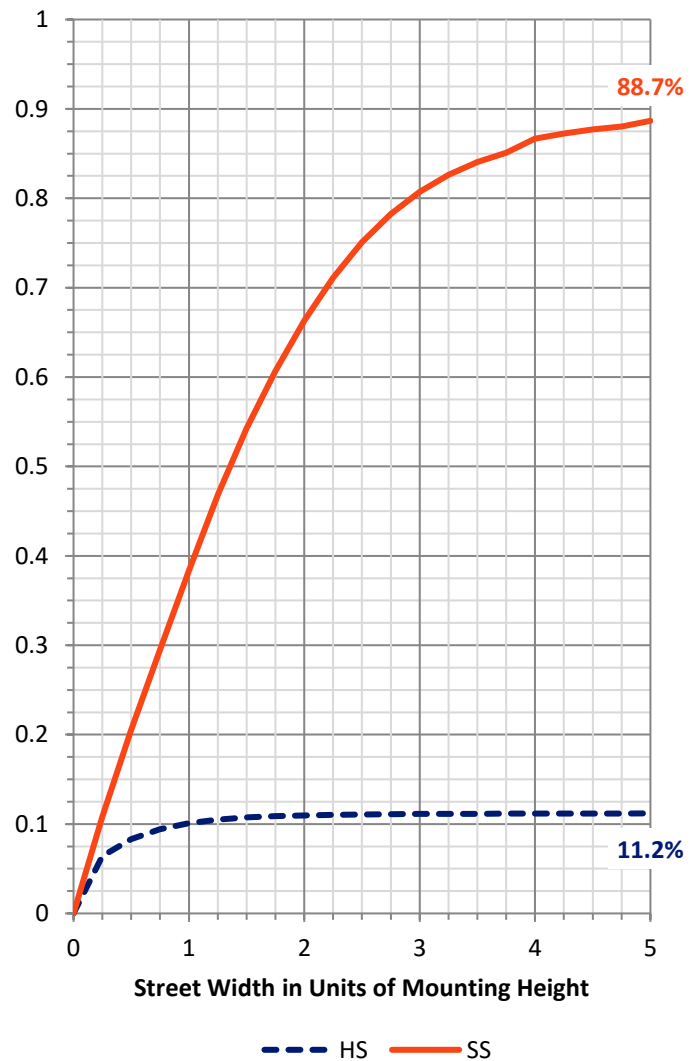
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2112.8	0.0	2112.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16660.2	0.0	16660.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	18773.0	0.0	18773.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.6	1.2
10°-20°	523.0	2.8
20°-30°	849.7	4.5
30°-40°	1417.7	7.6
40°-50°	2682.2	14.3
50°-60°	4262.1	22.7
60°-70°	5272.5	28.1
70°-80°	3277.4	17.5
80°-90°	264.9	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°	18773.0	100.0
0°-180°	18773.0	100.0

Coefficient of Utilization



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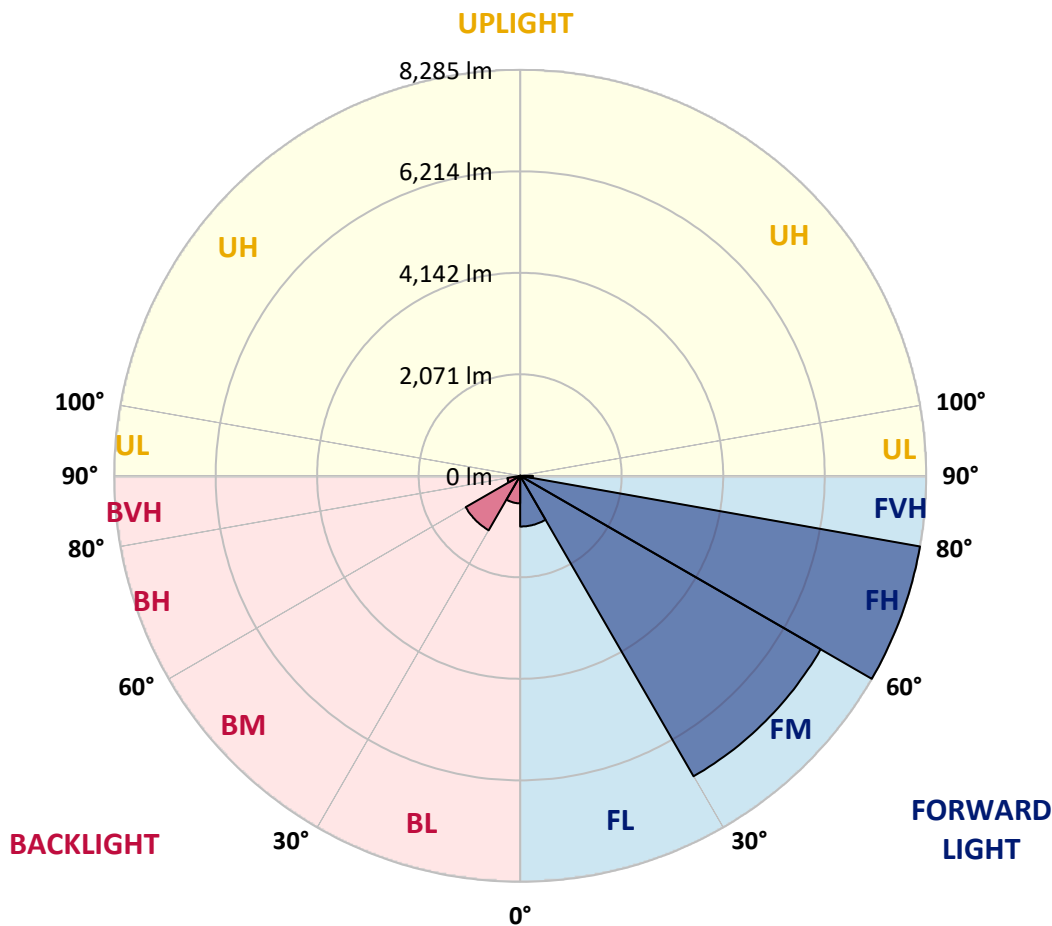
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1034.9	5.5			
FM	(30°-60°)	7079.3	37.7			
FH	(60°-80°)	8284.8	44.1			G4/12000
FVH	(80°-90°)	261.3	1.4			G3/500
BL	(0°-30°)	561.4	3.0	B2/1000		
BM	(30°-60°)	1282.7	6.8	B2/2500		
BH	(60°-80°)	265.1	1.4	B1/500		G1/500
BVH	(80°-90°)	3.6	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°	85°
0°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2599.8	2621.8	2625.9	2632.8	2632.8	2641.1	2654.8	2674.1	2705.7	2722.2	2733.2
5°	2396.2	2412.7	2433.3	2449.9	2481.5	2485.6	2539.3	2591.5	2664.4	2719.5	2758.0
7.5°	2191.3	2210.5	2238.0	2277.9	2319.2	2331.6	2412.7	2500.7	2616.3	2719.5	2784.1
10°	2046.8	2048.2	2073.0	2112.8	2178.9	2194.0	2293.0	2418.2	2562.6	2703.0	2808.9
12.5°	1965.7	1975.3	1986.3	2016.6	2079.8	2089.5	2195.4	2342.6	2509.0	2693.3	2837.8
15°	1965.7	1972.5	1979.4	1994.5	2045.4	2053.7	2147.2	2294.4	2481.5	2697.5	2884.5
17.5°	1986.3	1997.3	1991.8	2009.7	2063.3	2068.8	2151.4	2280.7	2480.1	2723.6	2956.1
20°	2035.8	2044.1	2033.1	2044.1	2097.7	2108.7	2194.0	2306.8	2503.5	2769.0	3045.5
22.5°	2114.2	2118.3	2092.2	2100.5	2155.5	2169.2	2268.3	2381.1	2559.9	2841.9	3165.1
25°	2213.3	2221.5	2181.6	2191.3	2243.5	2260.0	2374.2	2492.5	2649.3	2942.3	3317.8
27.5°	2327.4	2331.6	2297.2	2295.8	2363.2	2386.6	2502.1	2630.1	2769.0	3068.9	3510.4
30°	2458.1	2470.5	2437.5	2432.0	2517.3	2536.5	2650.7	2799.2	2945.1	3258.7	3784.1
32.5°	2561.3	2570.9	2551.6	2565.4	2652.1	2667.2	2830.9	3038.6	3221.5	3528.3	4156.9
35°	2709.8	2715.3	2671.3	2696.1	2795.1	2833.6	3077.1	3374.2	3569.6	3866.7	4643.9
37.5°	3247.7	3247.7	3060.6	2938.2	3033.1	3067.5	3414.1	3796.5	3998.7	4320.6	5257.4
40°	3991.8	3979.5	3705.7	3455.4	3443.0	3510.4	3894.2	4328.9	4553.1	4865.3	5947.9
42.5°	4785.5	4766.3	4393.5	4145.9	4104.6	4128.0	4448.5	4985.0	5213.3	5529.7	6690.7
45°	5489.8	5484.3	5143.2	4810.3	4736.0	4810.3	5140.4	5752.5	5916.2	6249.1	7432.1
47.5°	6079.9	6079.9	5831.0	5613.6	5575.1	5619.1	6077.2	6604.0	6588.9	7015.3	8154.3
50°	6759.5	6753.9	6517.4	6423.8	6463.7	6525.6	7155.6	7500.9	7284.9	7767.7	8799.4
52.5°	7235.4	7268.4	7187.2	7172.1	7375.7	7483.0	8250.5	8378.5	7908.0	8481.6	9282.2
55°	7612.3	7650.8	7744.3	7850.3	8242.3	8382.6	9311.1	9210.7	8429.4	9100.6	9560.1
57.5°	8146.0	8091.0	8235.4	8444.5	9078.6	9247.8	10338.6	9996.1	8848.9	9602.7	9590.3
60°	8793.9	8802.1	8826.9	9091.0	9913.6	10130.9	11351.0	10738.9	9118.5	9910.8	9254.7
62.5°	9572.4	9584.8	9635.7	10041.5	11034.7	11239.6	12429.5	11346.9	9242.3	9824.2	8388.1
65°	9518.8	9571.1	10139.2	11527.1	12739.0	12941.2	13688.1	11773.3	9055.2	9031.9	6829.6
67.5°	8671.5	8756.7	9707.3	13301.6	15308.5	15534.1	15209.5	11857.2	8247.8	7023.6	4455.4
70°	7560.0	7590.3	8733.4	14897.2	18283.8	18512.1	16571.2	10934.2	6258.8	3917.6	1995.9
72.5°	5903.9	5910.7	7251.9	15267.2	19898.7	19911.1	15502.4	8117.1	3366.0	1504.9	693.3
75°	4217.4	4176.2	4857.1	12381.3	17506.6	17646.9	11622.0	3807.5	1286.1	711.2	345.3
77.5°	2261.4	2306.8	2748.3	7342.7	12093.8	12333.2	6341.3	1097.7	654.8	484.2	228.3
80°	698.8	737.3	1126.6	3361.8	6850.2	6994.7	2350.8	488.3	456.7	345.3	149.9
82.5°	220.1	228.3	525.5	1412.7	2843.3	2909.3	680.9	276.5	312.2	228.3	88.0
85°	63.3	64.7	233.8	526.8	702.9	716.7	191.2	107.3	178.8	141.7	45.4
87.5°	6.9	22.0	88.0	88.0	61.9	60.5	20.6	23.4	50.9	17.9	8.3
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°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2726.3	2727.7	2709.8	2679.6	2646.6	2619.0	2584.7	2557.1	2537.9	2532.4	2542.0
5°	2745.6	2736.0	2685.1	2592.9	2482.9	2388.0	2282.0	2198.1	2143.1	2119.7	2128.0
7.5°	2774.5	2747.0	2635.6	2454.0	2243.5	2056.4	1866.6	1719.4	1625.9	1579.1	1586.0
10°	2799.2	2744.2	2553.0	2253.2	1931.3	1647.9	1392.1	1214.6	1115.6	1068.8	1070.2
12.5°	2822.6	2742.8	2445.7	2015.2	1579.1	1232.5	994.5	906.5	879.0	869.3	866.6
15°	2866.6	2747.0	2310.9	1742.8	1228.4	931.2	844.6	843.2	848.7	846.0	844.6
17.5°	2927.2	2751.1	2158.2	1454.0	947.8	821.2	817.1	829.5	837.7	833.6	832.2
20°	3005.6	2767.6	1995.9	1167.8	814.3	793.7	803.3	814.3	821.2	814.3	812.9
22.5°	3115.6	2796.5	1818.5	938.1	771.7	777.2	785.4	797.8	804.7	795.1	793.7
25°	3250.4	2841.9	1643.8	815.7	751.1	757.9	770.3	784.1	792.3	782.7	781.3
27.5°	3425.1	2914.8	1482.8	788.2	730.4	734.5	752.4	773.1	784.1	771.7	771.7
30°	3678.2	3034.5	1343.9	800.6	718.0	708.4	733.2	762.1	774.4	763.4	762.1
32.5°	4013.9	3203.7	1258.6	819.8	712.5	678.1	701.5	738.7	759.3	752.4	752.4
35°	4454.0	3460.9	1225.6	841.8	708.4	646.5	663.0	702.9	738.7	745.5	745.5
37.5°	4987.7	3818.5	1235.2	851.5	696.0	620.4	628.6	663.0	709.8	731.8	737.3
40°	5594.4	4235.3	1290.3	841.8	682.3	598.4	599.7	625.9	667.1	700.2	711.2
42.5°	6220.2	4722.3	1392.1	806.1	669.9	579.1	575.0	592.9	620.4	643.8	653.4
45°	6815.8	5223.0	1492.5	756.6	654.8	559.8	550.2	557.1	562.6	572.2	577.7
47.5°	7335.8	5575.1	1463.6	711.2	634.1	537.8	521.3	518.6	502.1	500.7	499.3
50°	7694.8	5652.1	1299.9	665.8	603.9	513.1	486.9	470.4	441.6	427.8	429.2
52.5°	7809.0	5348.1	1061.9	620.4	554.3	480.1	442.9	416.8	381.0	368.6	367.3
55°	7657.7	4752.5	848.7	565.4	485.6	436.0	394.8	360.4	331.5	316.4	316.4
57.5°	7287.7	3994.6	671.3	500.7	412.7	386.5	345.3	310.9	286.1	271.0	268.2
60°	6674.2	3172.0	531.0	423.7	352.1	332.9	290.2	268.2	246.2	228.3	224.2
62.5°	5742.9	2264.2	416.8	335.6	294.4	272.4	247.6	231.1	205.0	180.2	176.1
65°	4481.5	1385.2	321.9	246.2	236.6	225.6	210.5	195.3	163.7	138.9	134.8
67.5°	2826.8	656.1	229.7	185.7	187.1	181.6	174.7	162.3	138.9	116.9	114.2
70°	1244.9	317.8	151.3	141.7	138.9	138.9	144.4	140.3	118.3	97.7	93.5
72.5°	423.7	170.6	112.8	107.3	100.4	99.0	121.0	116.9	94.9	75.7	71.5
75°	221.5	114.2	82.5	77.0	60.5	72.9	96.3	90.8	67.4	49.5	45.4
77.5°	144.4	81.2	56.4	49.5	34.4	48.1	71.5	63.3	39.9	24.8	22.0
80°	90.8	53.6	33.0	23.4	16.5	26.1	38.5	27.5	15.1	5.5	4.1
82.5°	48.1	27.5	12.4	8.3	6.9	8.3	9.6	6.9	2.8	0.0	0.0
85°	19.3	9.6	4.1	2.8	1.4	0.0	2.8	1.4	0.0	0.0	0.0
87.5°	6.9	1.4	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	0.0

(END OF REPORT)