

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: P942119

Luminaire Tested: **GALN-SB6A-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942119
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: McGRAW-EDISON
Catalog Number: GALN-SB6A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22210 lumens
Efficiency: N/A
Efficacy: 130.0 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): 170.9
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



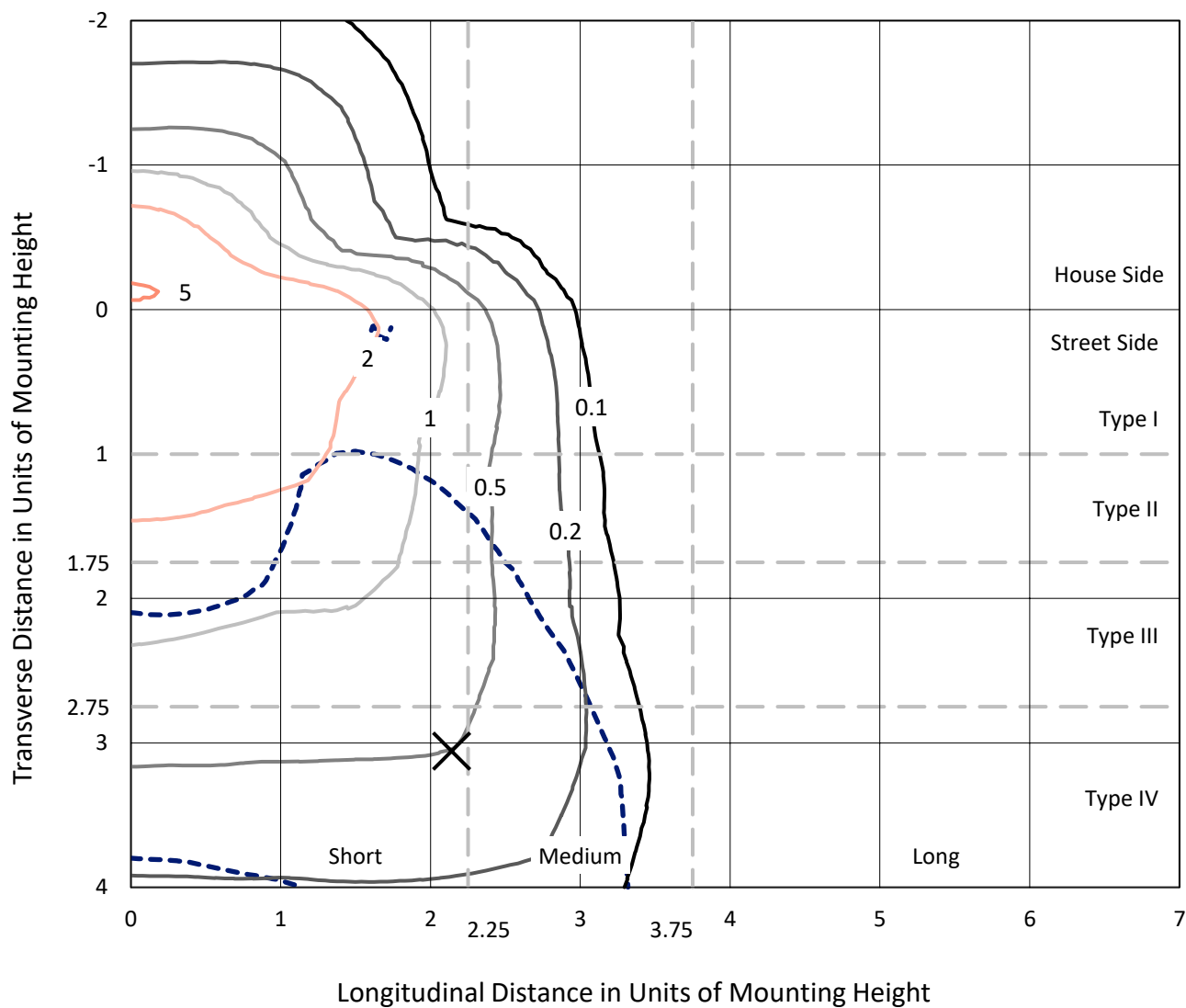
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



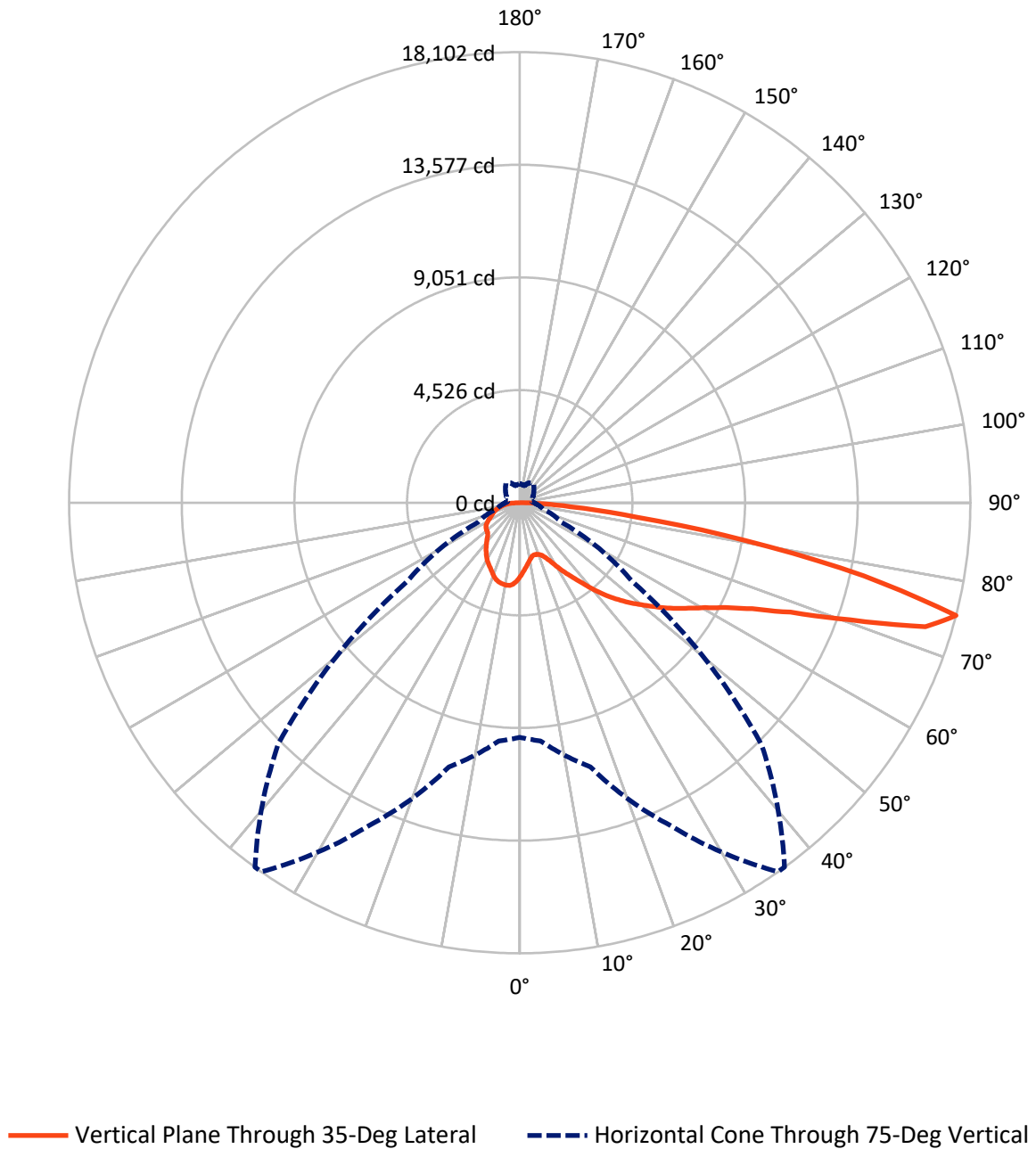
Based on 25 foot mounting height. Maximum calculated value = 5.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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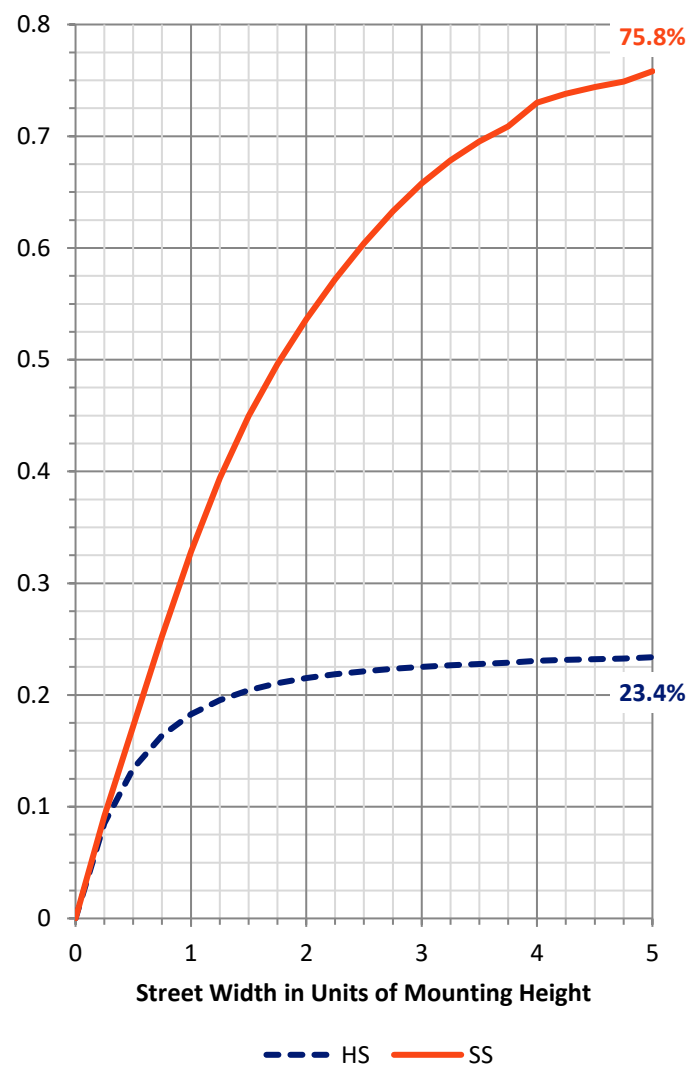
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5285.4	0.0	5285.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16924.6	0.0	16924.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	22210.0	0.0	22210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.2	1.3
10°-20°	808.3	3.6
20°-30°	1357.3	6.1
30°-40°	2109.4	9.5
40°-50°	3131.0	14.1
50°-60°	4322.5	19.5
60°-70°	5244.1	23.6
70°-80°	4333.9	19.5
80°-90°	623.3	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°	22210.0	100.0
0°-180°	22210.0	100.0

Coefficient of Utilization



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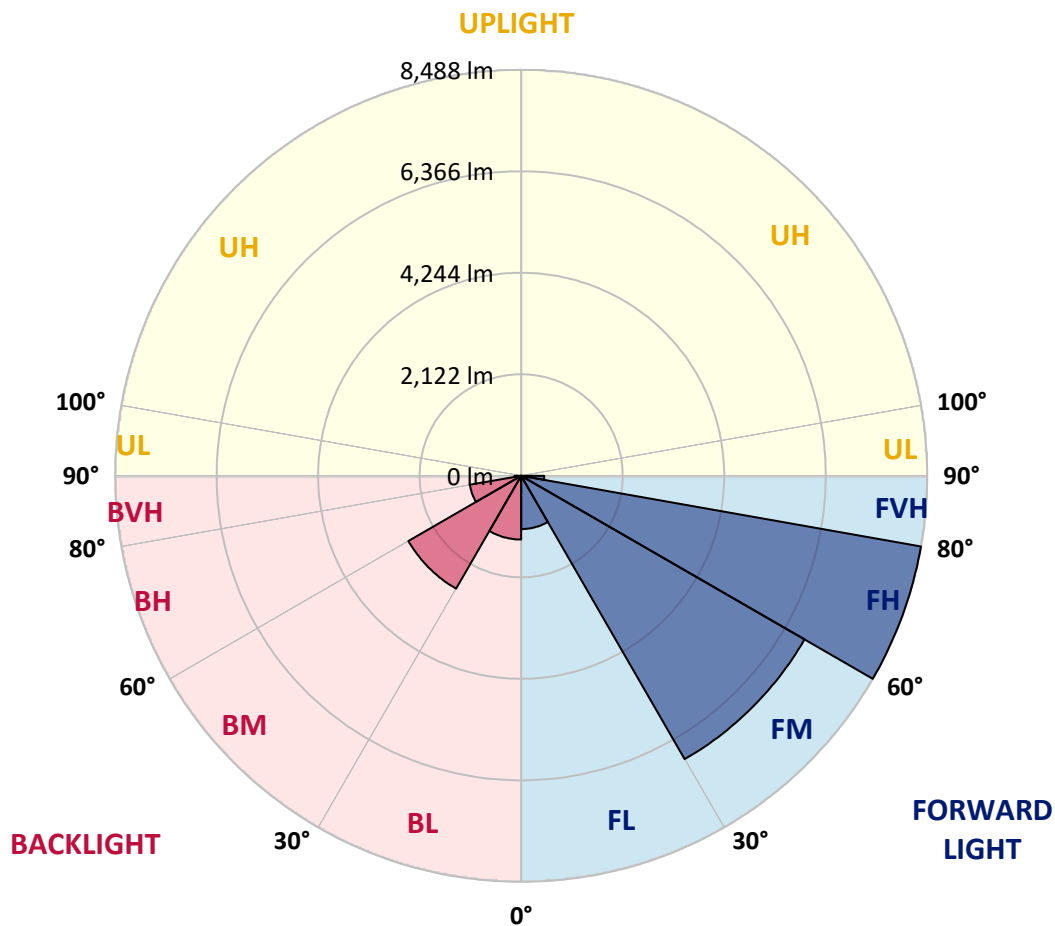
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1113.8	5.0			
FM	(30°-60°)	6839.5	30.8			
FH	(60°-80°)	8488.3	38.2			G4/12000
FVH	(80°-90°)	483.0	2.2			G3/500
BL	(0°-30°)	1332.0	6.0	B3/2500		
BM	(30°-60°)	2723.4	12.3	B3/5000		
BH	(60°-80°)	1089.7	4.9	B3/2500		G3/2500
BVH	(80°-90°)	140.4	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°	85°
0°	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6
2.5°	2729.1	2745.9	2753.1	2749.5	2767.5	2765.1	2790.3	2821.6	2864.8	2906.8	2968.0
5°	2519.0	2537.0	2552.6	2567.0	2601.8	2612.6	2652.3	2712.3	2791.5	2872.0	2972.8
7.5°	2323.3	2338.9	2362.9	2389.3	2448.2	2459.0	2525.0	2618.6	2729.1	2846.8	2986.0
10°	2163.6	2179.2	2204.4	2234.4	2307.7	2320.9	2404.9	2529.8	2673.9	2822.8	3000.5
12.5°	2095.2	2100.0	2114.4	2144.4	2208.0	2216.4	2308.9	2451.8	2619.8	2804.7	3022.1
15°	2091.6	2101.2	2102.4	2118.0	2170.8	2174.4	2259.6	2401.3	2586.2	2801.1	3054.5
17.5°	2127.6	2134.8	2124.0	2133.6	2178.0	2184.0	2251.2	2377.3	2575.4	2816.8	3109.7
20°	2223.6	2229.6	2197.2	2184.0	2216.4	2221.2	2287.3	2392.9	2586.2	2849.2	3185.4
22.5°	2427.7	2431.3	2352.1	2298.1	2300.5	2302.9	2360.5	2456.6	2628.2	2908.0	3281.4
25°	2745.9	2743.5	2617.4	2513.0	2453.0	2439.7	2478.2	2559.8	2699.1	2986.0	3405.1
27.5°	3118.1	3100.1	2974.0	2818.0	2687.1	2667.9	2659.5	2694.3	2799.9	3089.3	3556.4
30°	3538.4	3521.5	3385.9	3181.8	3000.5	2969.2	2890.0	2872.0	2950.0	3229.8	3766.5
32.5°	3999.4	3988.6	3826.5	3579.2	3336.6	3300.6	3167.3	3119.3	3180.6	3442.3	4059.4
35°	4386.0	4376.4	4241.9	3987.4	3690.8	3646.4	3510.7	3456.7	3487.9	3714.8	4442.5
37.5°	4735.4	4730.6	4615.3	4414.8	4108.7	4054.6	3902.2	3884.1	3878.1	4073.8	4907.1
40°	5059.6	5047.6	4927.5	4821.9	4594.9	4545.7	4411.2	4395.6	4350.0	4515.7	5433.0
42.5°	5418.6	5387.4	5213.3	5164.0	5102.8	5062.0	4981.5	4983.9	4883.1	5014.0	5990.1
45°	5711.6	5693.5	5514.6	5485.8	5551.9	5535.1	5604.7	5622.7	5427.0	5536.3	6568.8
47.5°	6026.1	6009.3	5858.0	5837.6	6016.5	6021.3	6267.5	6273.5	5957.7	6079.0	7148.7
50°	6413.9	6389.9	6239.8	6265.1	6465.6	6483.6	6933.8	6893.0	6446.4	6630.1	7723.9
52.5°	6669.7	6684.1	6651.7	6692.5	6966.2	6983.1	7589.4	7484.9	6930.2	7174.0	8288.2
55°	6858.2	6887.0	6987.9	7081.5	7494.5	7511.3	8207.7	8048.0	7331.2	7678.2	8818.9
57.5°	7100.7	7059.9	7248.4	7430.9	7996.4	8040.8	8809.3	8590.7	7686.6	8112.9	9182.7
60°	7448.9	7420.1	7566.6	7836.7	8558.3	8629.2	9445.6	9079.4	7947.2	8457.5	9253.5
62.5°	8154.9	8082.9	8105.7	8344.6	9266.7	9360.4	10163.6	9505.6	8076.9	8591.9	8874.1
65°	9210.3	9086.6	8971.3	9137.0	10264.5	10356.9	10974.1	9840.6	8028.8	8331.4	7866.7
67.5°	10539.4	10416.9	10275.3	10431.4	11734.1	11807.3	11974.2	10029.1	7650.6	7327.6	6086.2
70°	11635.6	11590.0	11759.3	12401.6	14081.4	14083.8	13256.5	9873.0	6614.4	5195.3	3521.5
72.5°	11490.3	11462.7	12354.8	14340.7	17039.8	16976.2	14470.4	8691.6	4455.7	2343.7	1319.5
75°	9426.4	9605.3	10987.3	14305.9	18102.4	18094.0	13727.2	5525.4	1843.0	971.3	682.0
77.5°	5054.8	5338.1	7133.1	10562.2	14131.8	14344.3	9650.9	1933.1	791.2	621.9	471.9
80°	1648.5	1895.8	2843.2	5377.8	9182.7	9143.0	4136.3	758.8	541.5	440.6	326.6
82.5°	700.0	728.8	1270.3	2539.4	4712.6	4639.4	1317.1	435.8	380.6	301.4	201.7
85°	273.8	306.2	560.7	1174.2	2041.1	1996.7	475.5	216.1	243.7	196.9	120.1
87.5°	90.0	109.3	200.5	402.2	635.2	612.3	116.5	74.4	105.7	90.0	43.2
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°	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6
2.5°	2984.8	3004.1	3026.9	3060.5	3089.3	3113.3	3138.5	3154.1	3160.1	3178.2	3177.0
5°	3006.5	3048.5	3104.9	3160.1	3214.2	3246.6	3275.4	3289.8	3303.0	3312.6	3315.0
7.5°	3042.5	3096.5	3185.4	3257.4	3303.0	3329.4	3348.6	3343.8	3348.6	3351.0	3354.7
10°	3073.7	3149.3	3255.0	3323.4	3358.3	3359.5	3354.7	3337.8	3329.4	3330.6	3333.0
12.5°	3110.9	3195.0	3309.0	3366.7	3376.3	3349.8	3329.4	3300.6	3289.8	3285.0	3282.6
15°	3161.3	3257.4	3367.9	3389.5	3365.5	3331.8	3297.0	3250.2	3226.2	3207.0	3213.0
17.5°	3222.6	3328.2	3413.5	3397.9	3346.2	3291.0	3234.6	3163.7	3114.5	3094.1	3095.3
20°	3307.8	3402.7	3448.3	3379.9	3301.8	3217.8	3121.7	3035.3	2989.6	2969.2	2966.8
22.5°	3411.1	3502.3	3481.9	3348.6	3238.2	3103.7	2983.6	2920.0	2897.2	2882.8	2885.2
25°	3534.8	3612.8	3505.9	3303.0	3133.7	2952.4	2860.0	2839.6	2828.8	2818.0	2818.0
27.5°	3695.6	3737.7	3523.9	3235.8	2970.4	2791.5	2757.9	2761.5	2757.9	2739.9	2743.5
30°	3908.2	3899.8	3540.8	3126.5	2783.1	2646.3	2648.7	2664.3	2666.7	2654.7	2660.7
32.5°	4187.9	4102.7	3549.2	2984.8	2604.2	2519.0	2521.4	2538.2	2550.2	2529.8	2539.4
35°	4526.5	4339.2	3536.0	2807.1	2466.2	2397.7	2379.7	2384.5	2388.1	2368.9	2382.1
37.5°	4921.5	4604.5	3477.1	2610.2	2352.1	2278.9	2240.4	2208.0	2188.8	2170.8	2182.8
40°	5355.0	4893.9	3369.1	2418.1	2224.8	2152.8	2095.2	2033.9	1969.1	1945.1	1955.9
42.5°	5808.8	5191.7	3238.2	2234.4	2078.3	2019.5	1958.3	1869.4	1772.2	1723.0	1729.0
45°	6279.5	5496.6	3109.7	2053.1	1928.3	1903.0	1832.2	1725.4	1619.7	1557.3	1552.5
47.5°	6740.5	5784.8	2921.2	1870.6	1787.8	1815.4	1760.2	1661.7	1544.1	1445.6	1434.8
50°	7181.2	6054.9	2612.6	1685.7	1673.7	1789.0	1736.2	1594.5	1460.0	1333.9	1323.1
52.5°	7618.2	6273.5	2217.6	1517.6	1612.5	1781.8	1704.9	1548.9	1384.4	1252.3	1237.9
55°	7989.2	6386.3	1837.0	1373.6	1523.6	1720.5	1667.7	1494.8	1277.5	1137.0	1125.0
57.5°	8200.5	6295.1	1520.0	1231.9	1401.2	1619.7	1604.1	1379.6	1150.2	1042.2	1027.8
60°	8109.3	5925.3	1260.7	1108.2	1284.7	1510.4	1493.6	1265.5	1053.0	950.9	936.5
62.5°	7606.2	5220.5	1055.4	1000.2	1179.1	1398.8	1383.2	1177.8	978.5	880.1	864.5
65°	6592.8	4246.7	895.7	910.1	1072.2	1264.3	1287.1	1104.6	919.7	823.7	808.0
67.5°	5028.4	3076.1	770.8	832.1	967.7	1132.2	1198.3	1051.8	870.5	779.2	764.8
70°	2866.0	1747.0	665.2	756.4	875.3	1009.8	1129.8	1009.8	817.7	742.0	732.4
72.5°	1086.6	802.0	575.1	680.8	786.4	906.5	1054.2	943.7	756.4	700.0	690.4
75°	579.9	488.7	483.9	591.9	684.4	805.6	959.3	878.9	710.8	739.6	763.6
77.5°	395.0	345.8	404.6	506.7	572.7	694.0	858.5	780.4	615.9	613.5	565.5
80°	273.8	244.9	329.0	408.2	443.0	583.5	749.2	670.0	501.9	468.3	447.8
82.5°	164.5	159.7	246.1	305.0	313.4	450.2	620.7	561.9	410.6	357.8	360.2
85°	90.0	94.9	157.3	178.9	182.5	314.6	486.3	434.6	315.8	265.3	267.7
87.5°	25.2	32.4	57.6	70.8	87.6	163.3	289.4	258.1	158.5	110.5	110.5
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)