

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: P942288

Luminaire Tested: **GALN-SB6B-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942288
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-SB6B-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA 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: 21358 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 220.4
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



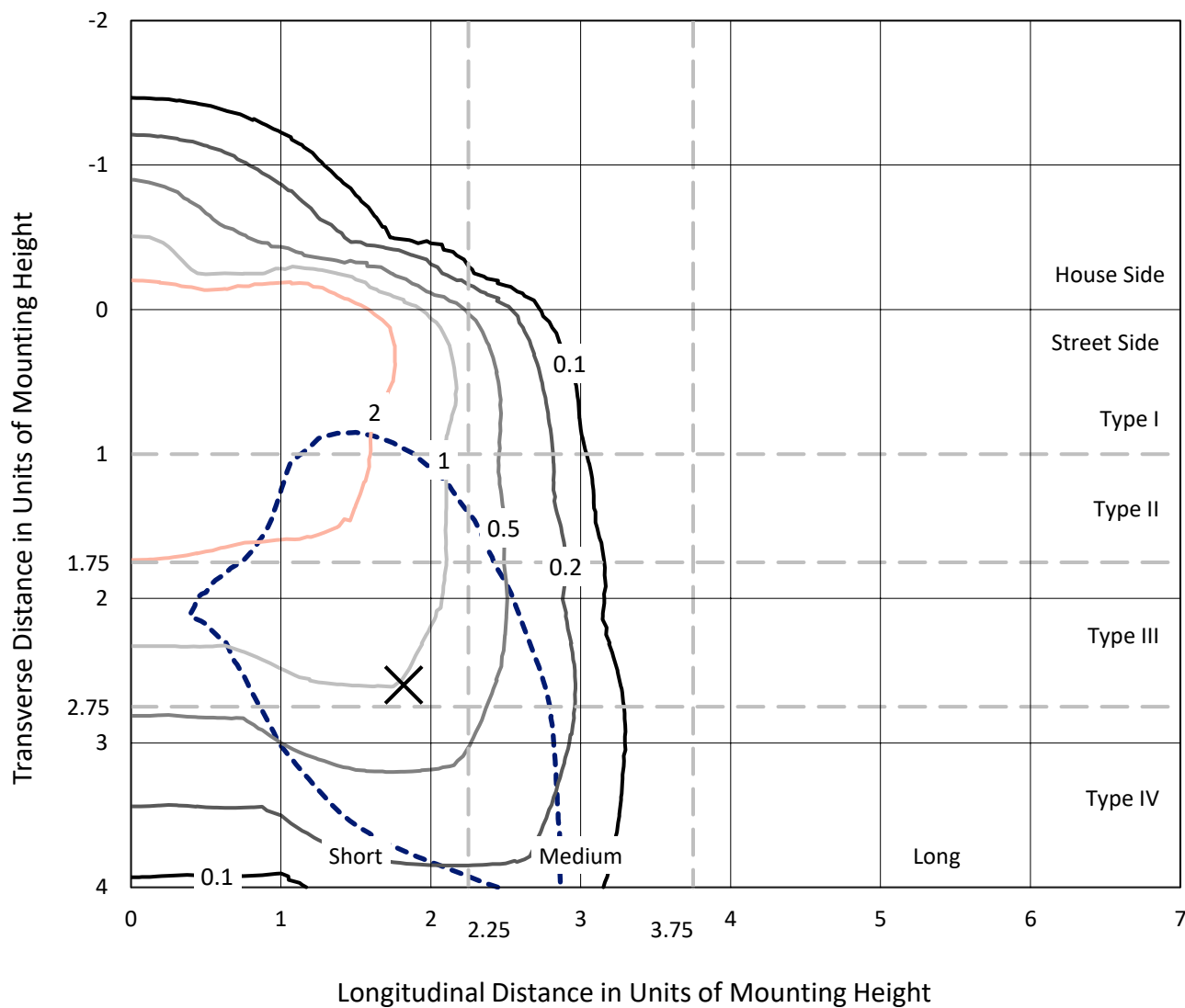
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

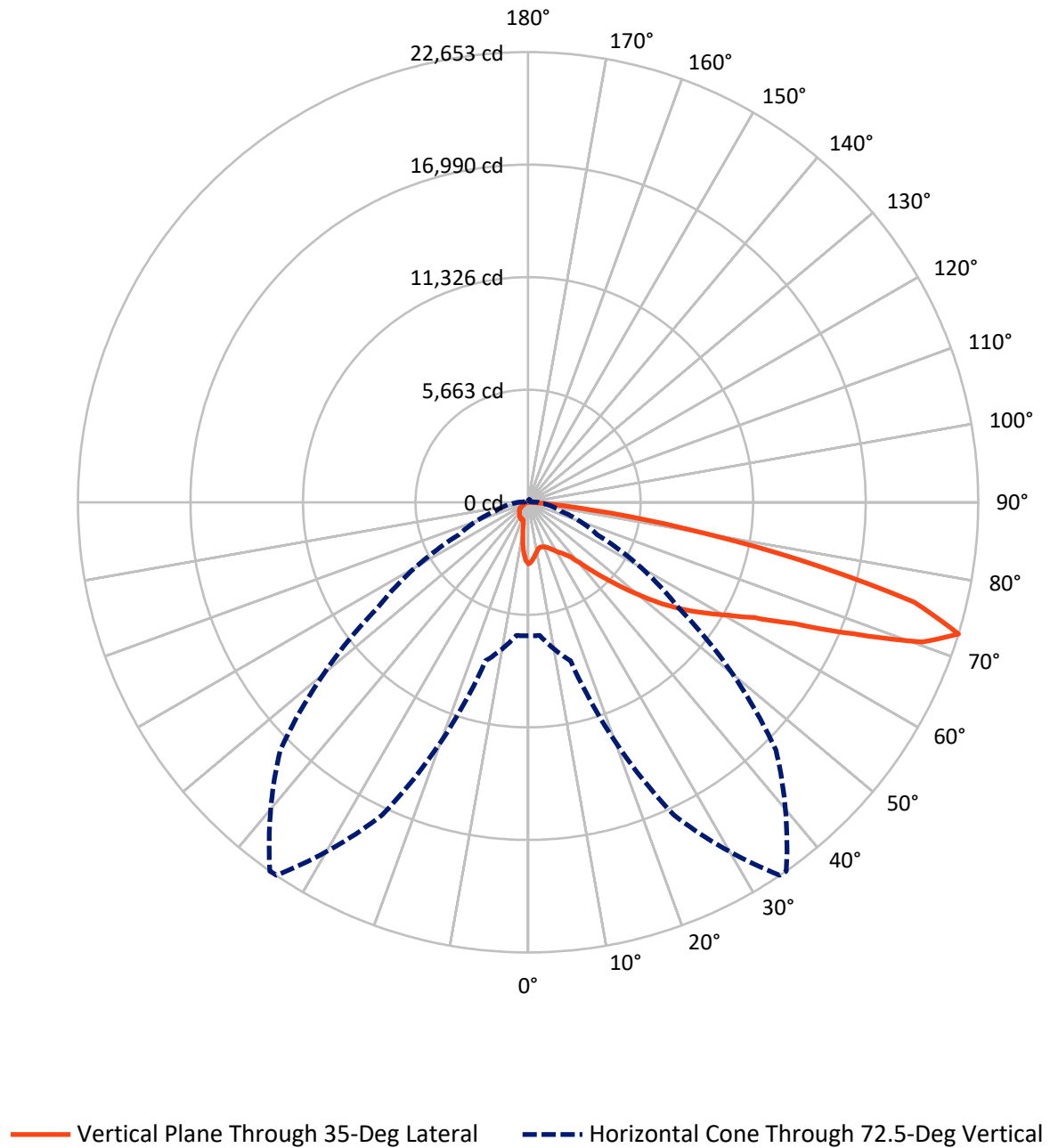


Based on 25 foot mounting height. Maximum calculated value = 5 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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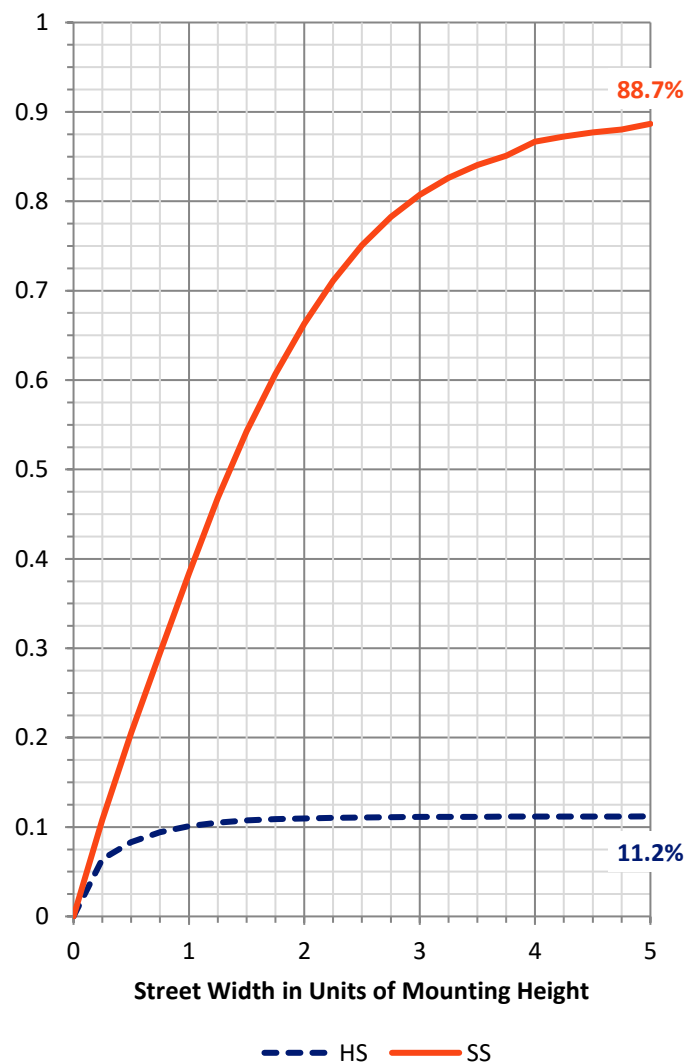
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2403.7	0.0	2403.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18954.3	0.0	18954.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	21358.0	0.0	21358.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.4	1.2
10°-20°	595.1	2.8
20°-30°	966.7	4.5
30°-40°	1612.9	7.6
40°-50°	3051.6	14.3
50°-60°	4848.9	22.7
60°-70°	5998.5	28.1
70°-80°	3728.7	17.5
80°-90°	301.3	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°	21358.0	100.0
0°-180°	21358.0	100.0

Coefficient of Utilization



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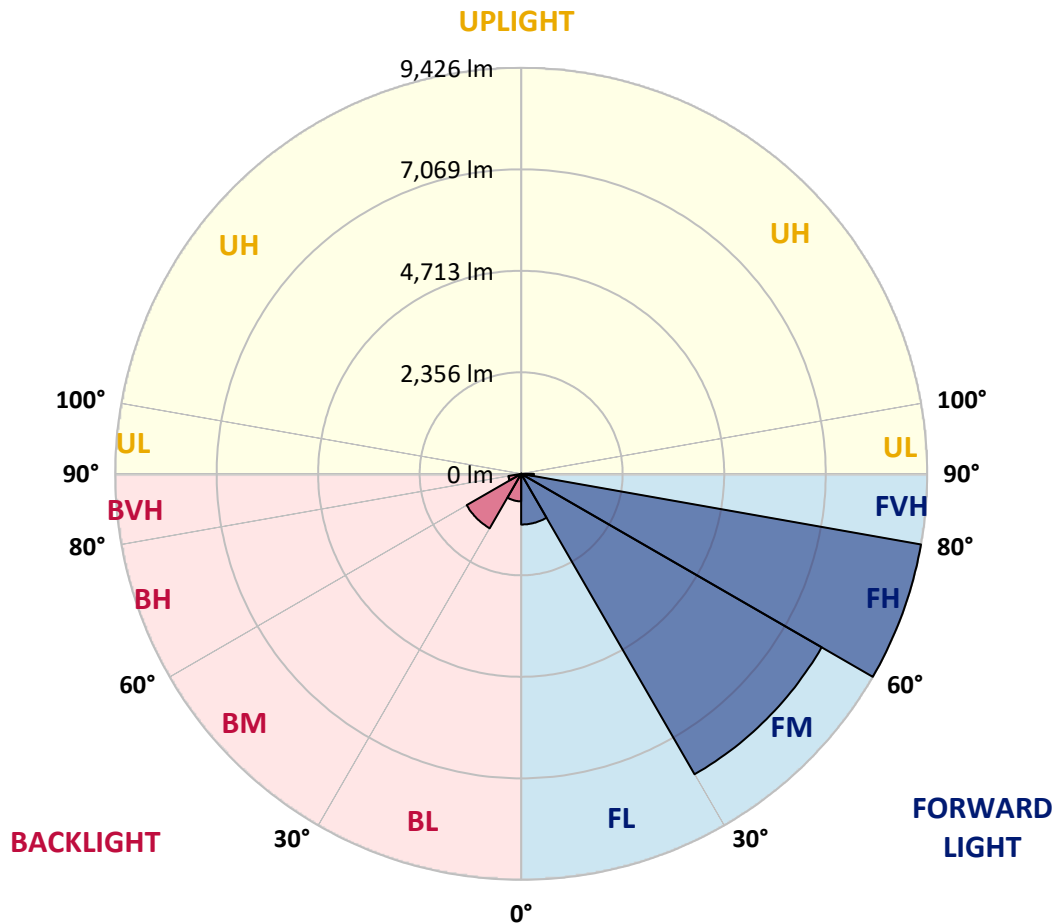
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1177.4	5.5			
FM	(30°-60°)	8054.1	37.7			
FH	(60°-80°)	9425.5	44.1			G4/12000
FVH	(80°-90°)	297.2	1.4			G3/500
BL	(0°-30°)	638.7	3.0	B2/1000		
BM	(30°-60°)	1459.3	6.8	B2/2500		
BH	(60°-80°)	301.6	1.4	B1/500		G1/500
BVH	(80°-90°)	4.1	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°	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5
2.5°	2957.8	2982.8	2987.5	2995.3	2995.3	3004.7	3020.4	3042.3	3078.3	3097.1	3109.6
5°	2726.2	2744.9	2768.4	2787.2	2823.2	2827.9	2888.9	2948.4	3031.3	3093.9	3137.7
7.5°	2493.0	2514.9	2546.2	2591.6	2638.5	2652.6	2744.9	2845.1	2976.6	3093.9	3167.5
10°	2328.7	2330.2	2358.4	2403.8	2478.9	2496.1	2608.8	2751.2	2915.5	3075.1	3195.6
12.5°	2236.3	2247.3	2259.8	2294.2	2366.2	2377.2	2497.7	2665.1	2854.5	3064.2	3228.5
15°	2236.3	2244.2	2252.0	2269.2	2327.1	2336.5	2442.9	2610.4	2823.2	3068.9	3281.7
17.5°	2259.8	2272.3	2266.1	2286.4	2347.4	2353.7	2447.6	2594.7	2821.6	3098.6	3363.1
20°	2316.1	2325.5	2313.0	2325.5	2386.6	2399.1	2496.1	2624.4	2848.2	3150.3	3464.8
22.5°	2405.3	2410.0	2380.3	2389.7	2452.3	2467.9	2580.6	2708.9	2912.4	3233.2	3601.0
25°	2518.0	2527.4	2482.0	2493.0	2552.4	2571.2	2701.1	2835.7	3014.1	3347.4	3774.7
27.5°	2647.9	2652.6	2613.5	2611.9	2688.6	2715.2	2846.7	2992.2	3150.3	3491.4	3993.8
30°	2796.6	2810.7	2773.1	2766.8	2863.9	2885.8	3015.7	3184.7	3350.6	3707.4	4305.2
32.5°	2914.0	2924.9	2903.0	2918.6	3017.2	3034.5	3220.7	3457.0	3665.1	4014.1	4729.3
35°	3083.0	3089.2	3039.2	3067.3	3180.0	3223.8	3500.8	3838.8	4061.1	4399.1	5283.3
37.5°	3694.9	3694.9	3482.0	3342.8	3450.7	3489.9	3884.2	4319.3	4549.3	4915.5	5981.3
40°	4541.5	4527.4	4216.0	3931.2	3917.1	3993.8	4430.4	4924.9	5180.0	5535.3	6766.9
42.5°	5444.5	5422.6	4998.5	4716.8	4669.8	4696.4	5061.1	5671.4	5931.2	6291.1	7612.0
45°	6245.8	6239.5	5851.4	5472.7	5388.2	5472.7	5848.3	6544.7	6730.9	7109.6	8455.5
47.5°	6917.1	6917.1	6633.9	6386.6	6342.8	6392.9	6914.0	7513.4	7496.2	7981.3	9277.1
50°	7690.2	7684.0	7414.8	7308.4	7353.7	7424.2	8140.9	8533.7	8288.0	8837.3	10011.0
52.5°	8231.7	8269.2	8176.9	8159.7	8391.3	8513.4	9386.6	9532.2	8997.0	9649.5	10560.3
55°	8660.5	8704.3	8810.7	8931.2	9377.2	9536.9	10593.2	10479.0	9590.1	10353.8	10876.5
57.5°	9267.7	9205.1	9369.4	9607.3	10328.7	10521.2	11762.2	11372.6	10067.4	10925.0	10910.9
60°	10004.8	10014.2	10042.3	10342.8	11278.7	11525.9	12914.0	12217.6	10374.1	11275.5	10529.0
62.5°	10890.6	10904.6	10962.5	11424.2	12554.1	12787.3	14141.0	12909.4	10515.0	11176.9	9543.1
65°	10829.5	10889.0	11535.3	13114.4	14493.1	14723.1	15572.9	13394.5	10302.1	10275.5	7770.0
67.5°	9865.5	9962.5	11043.9	15133.2	17416.4	17673.1	17303.8	13490.0	9383.5	7990.7	5068.9
70°	8601.0	8635.4	9935.9	16948.5	20801.4	21061.2	18853.1	12439.9	7120.6	4457.0	2270.8
72.5°	6716.8	6724.6	8250.5	17369.5	22638.7	22652.8	17637.1	9234.8	3829.5	1712.1	788.7
75°	4798.2	4751.2	5525.9	14086.2	19917.2	20076.9	13222.3	4331.8	1463.2	809.1	392.8
77.5°	2572.8	2624.4	3126.8	8353.8	13759.1	14031.4	7214.5	1248.8	744.9	550.9	259.8
80°	795.0	838.8	1281.7	3824.8	7793.5	7957.8	2674.5	555.6	519.6	392.8	170.6
82.5°	250.4	259.8	597.8	1607.2	3234.8	3309.9	774.7	314.6	355.2	259.8	100.2
85°	72.0	73.6	266.0	599.4	799.7	815.3	217.5	122.1	203.4	161.2	51.6
87.5°	7.8	25.0	100.2	100.2	70.4	68.9	23.5	26.6	57.9	20.3	9.4
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°	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5	3095.5
2.5°	3101.8	3103.3	3083.0	3048.5	3011.0	2979.7	2940.6	2909.3	2887.4	2881.1	2892.0
5°	3123.7	3112.7	3054.8	2949.9	2824.8	2716.8	2596.3	2500.8	2438.2	2411.6	2421.0
7.5°	3156.5	3125.2	2998.5	2791.9	2552.4	2339.6	2123.7	1956.2	1849.8	1796.6	1804.4
10°	3184.7	3122.1	2904.6	2563.4	2197.2	1874.8	1583.7	1381.9	1269.2	1216.0	1217.5
12.5°	3211.3	3120.5	2782.5	2292.7	1796.6	1402.2	1131.5	1031.3	1000.0	989.1	985.9
15°	3261.4	3125.2	2629.1	1982.8	1397.5	1059.5	960.9	959.3	965.6	962.5	960.9
17.5°	3330.2	3129.9	2455.4	1654.2	1078.3	934.3	929.6	943.7	953.1	948.4	946.8
20°	3419.4	3148.7	2270.8	1328.7	926.5	903.0	913.9	926.5	934.3	926.5	924.9
22.5°	3544.6	3181.6	2068.9	1067.3	877.9	884.2	893.6	907.7	915.5	904.5	903.0
25°	3698.0	3233.2	1870.1	928.0	854.5	862.3	876.4	892.0	901.4	890.5	888.9
27.5°	3896.7	3316.1	1687.0	896.7	831.0	835.7	856.0	879.5	892.0	877.9	877.9
30°	4184.7	3452.3	1529.0	910.8	816.9	806.0	834.1	867.0	881.1	868.6	867.0
32.5°	4566.6	3644.8	1431.9	932.7	810.6	771.5	798.1	840.4	863.9	856.0	856.0
35°	5067.3	3937.4	1394.4	957.8	806.0	735.5	754.3	799.7	840.4	848.2	848.2
37.5°	5674.5	4344.3	1405.3	968.7	791.9	705.8	715.2	754.3	807.5	832.6	838.8
40°	6364.7	4818.5	1467.9	957.8	776.2	680.8	682.3	712.1	759.0	796.6	809.1
42.5°	7076.7	5372.5	1583.7	917.1	762.1	658.8	654.2	674.5	705.8	732.4	743.4
45°	7754.4	5942.2	1698.0	860.7	744.9	636.9	626.0	633.8	640.1	651.0	657.3
47.5°	8345.9	6342.8	1665.1	809.1	721.4	611.9	593.1	590.0	571.2	569.6	568.1
50°	8754.4	6430.4	1478.9	757.4	687.0	583.7	554.0	535.2	502.4	486.7	488.3
52.5°	8884.3	6084.6	1208.1	705.8	630.7	546.2	503.9	474.2	433.5	419.4	417.8
55°	8712.1	5406.9	965.6	643.2	552.4	496.1	449.1	410.0	377.2	359.9	359.9
57.5°	8291.2	4544.6	763.7	569.6	469.5	439.8	392.8	353.7	325.5	308.3	305.2
60°	7593.2	3608.8	604.1	482.0	400.6	378.7	330.2	305.2	280.1	259.8	255.1
62.5°	6533.7	2575.9	474.2	381.9	334.9	309.9	281.7	262.9	233.2	205.0	200.3
65°	5098.6	1575.9	366.2	280.1	269.2	256.7	239.4	222.2	186.2	158.1	153.4
67.5°	3216.0	746.5	261.3	211.3	212.8	206.6	198.7	184.7	158.1	133.0	129.9
70°	1416.3	361.5	172.1	161.2	158.1	158.1	164.3	159.6	134.6	111.1	106.4
72.5°	482.0	194.1	128.3	122.1	114.2	112.7	137.7	133.0	108.0	86.1	81.4
75°	252.0	129.9	93.9	87.6	68.9	82.9	109.5	103.3	76.7	56.3	51.6
77.5°	164.3	92.3	64.2	56.3	39.1	54.8	81.4	72.0	45.4	28.2	25.0
80°	103.3	61.0	37.6	26.6	18.8	29.7	43.8	31.3	17.2	6.3	4.7
82.5°	54.8	31.3	14.1	9.4	7.8	9.4	11.0	7.8	3.1	0.0	0.0
85°	21.9	11.0	4.7	3.1	1.6	0.0	3.1	1.6	0.0	0.0	0.0
87.5°	7.8	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	0.0

(END OF REPORT)