

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: P952007

Luminaire Tested: **GALN-SB6A-727-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-727-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25569 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - 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

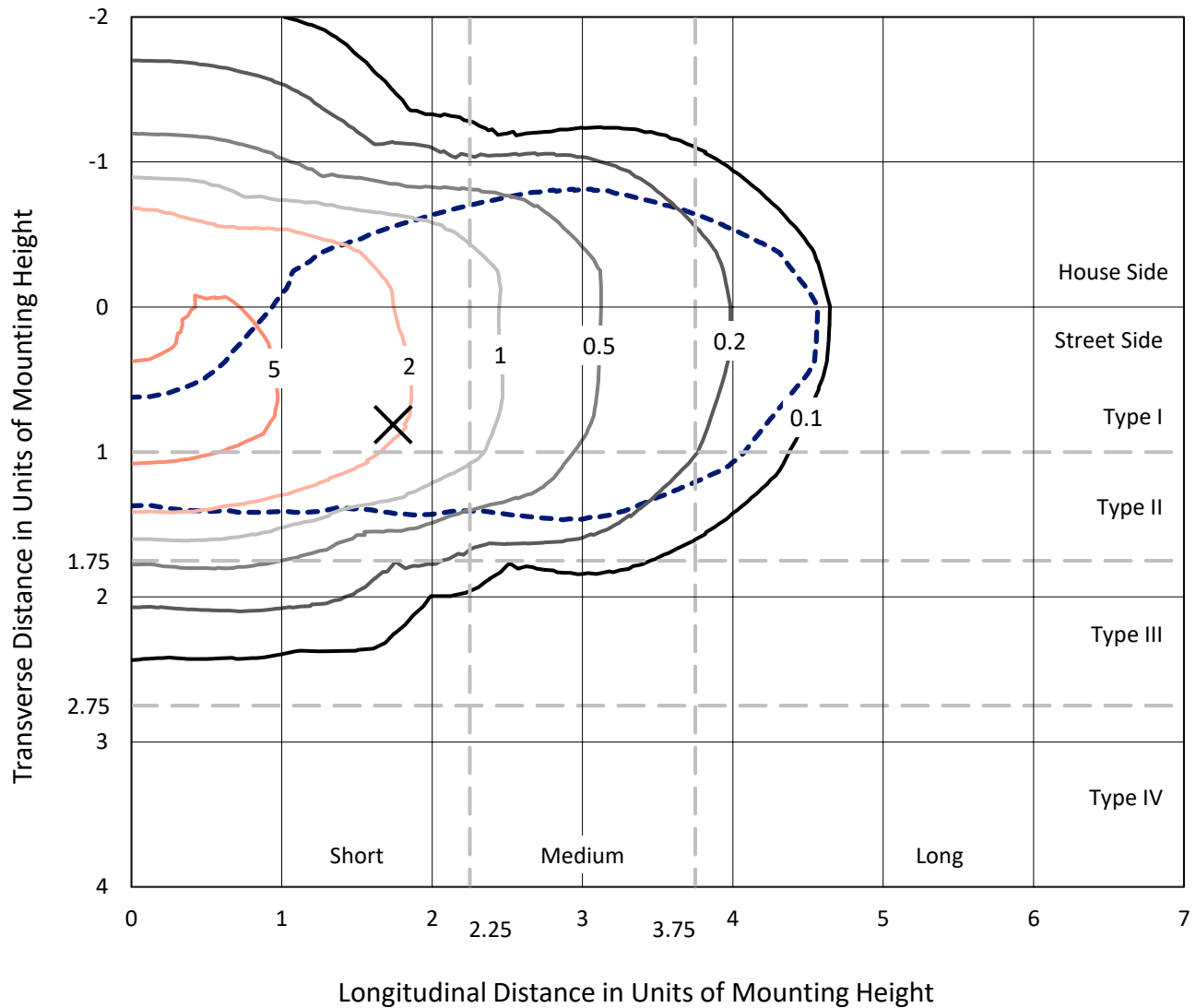


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

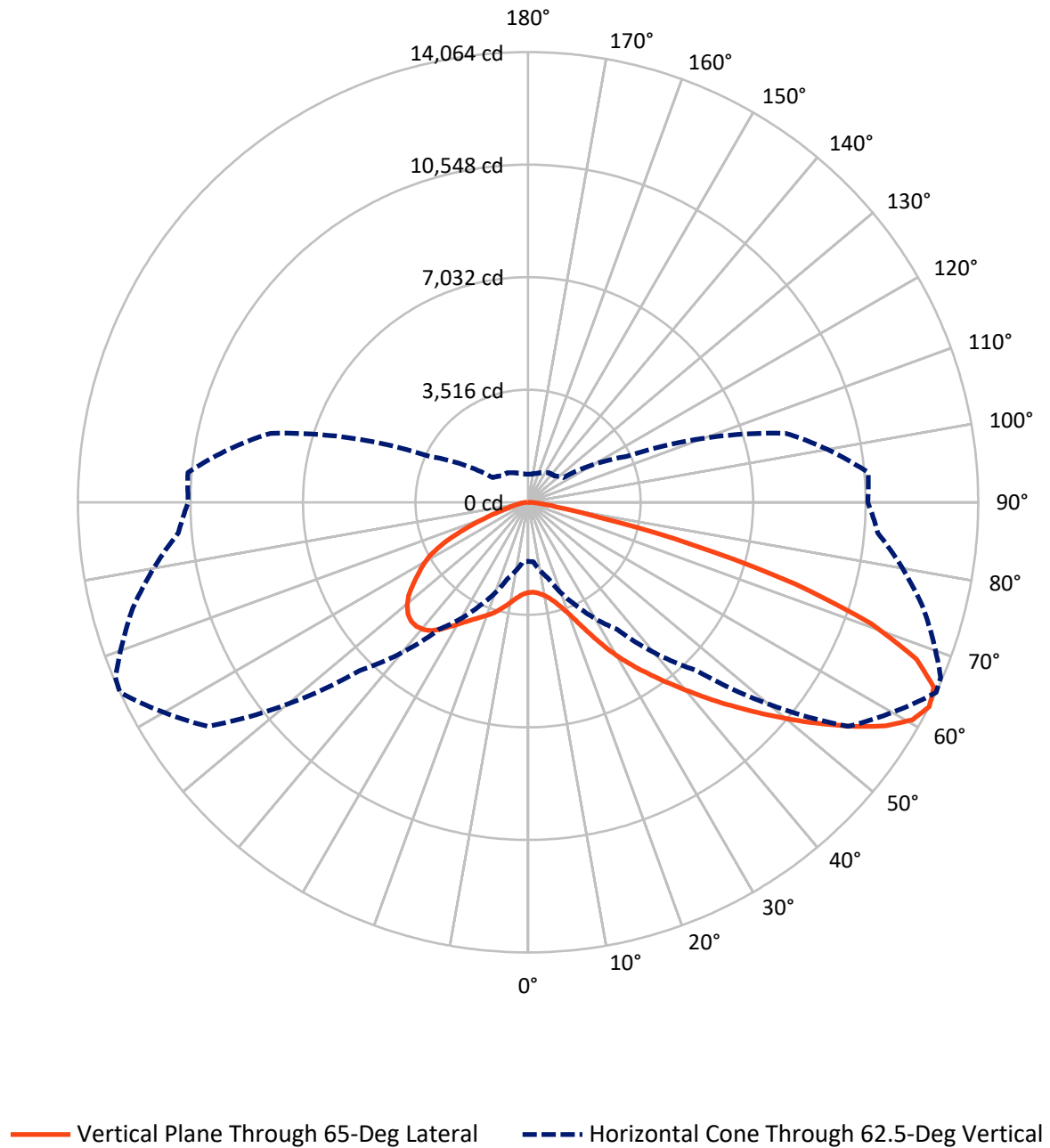


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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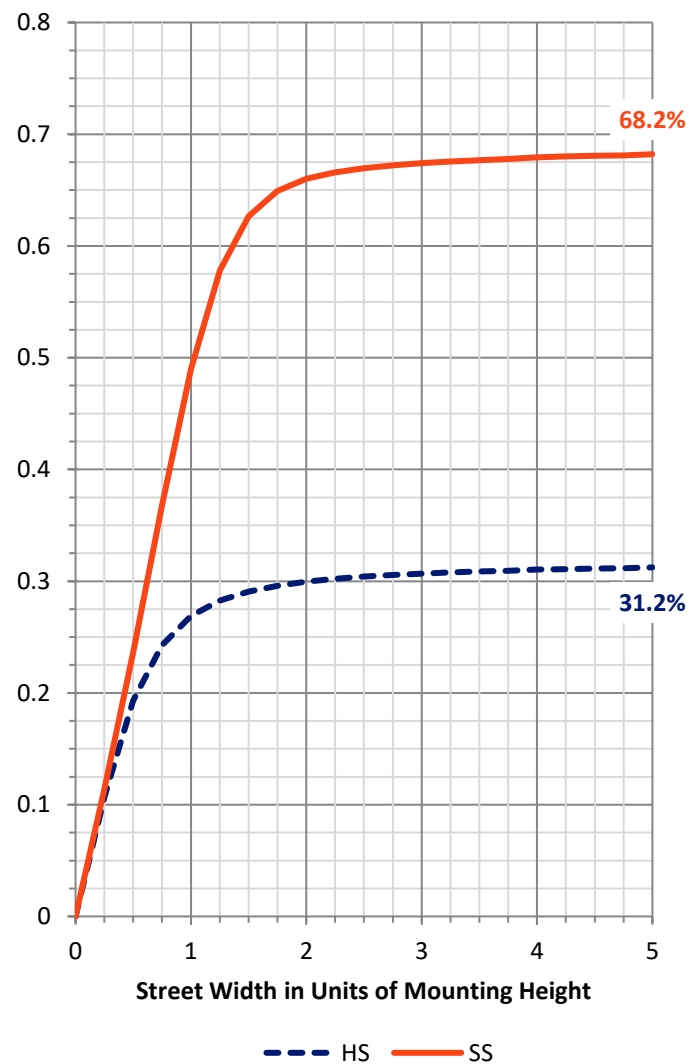
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8068.5	0.0	8068.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	17500.5	0.0	17500.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	25569.0	0.0	25569.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.9	1.1
10°-20°	952.6	3.7
20°-30°	1931.5	7.6
30°-40°	3342.4	13.1
40°-50°	5058.1	19.8
50°-60°	5930.3	23.2
60°-70°	4971.8	19.4
70°-80°	2744.8	10.7
80°-90°	356.5	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°	25569.0	100.0
0°-180°	25569.0	100.0

Coefficient of Utilization



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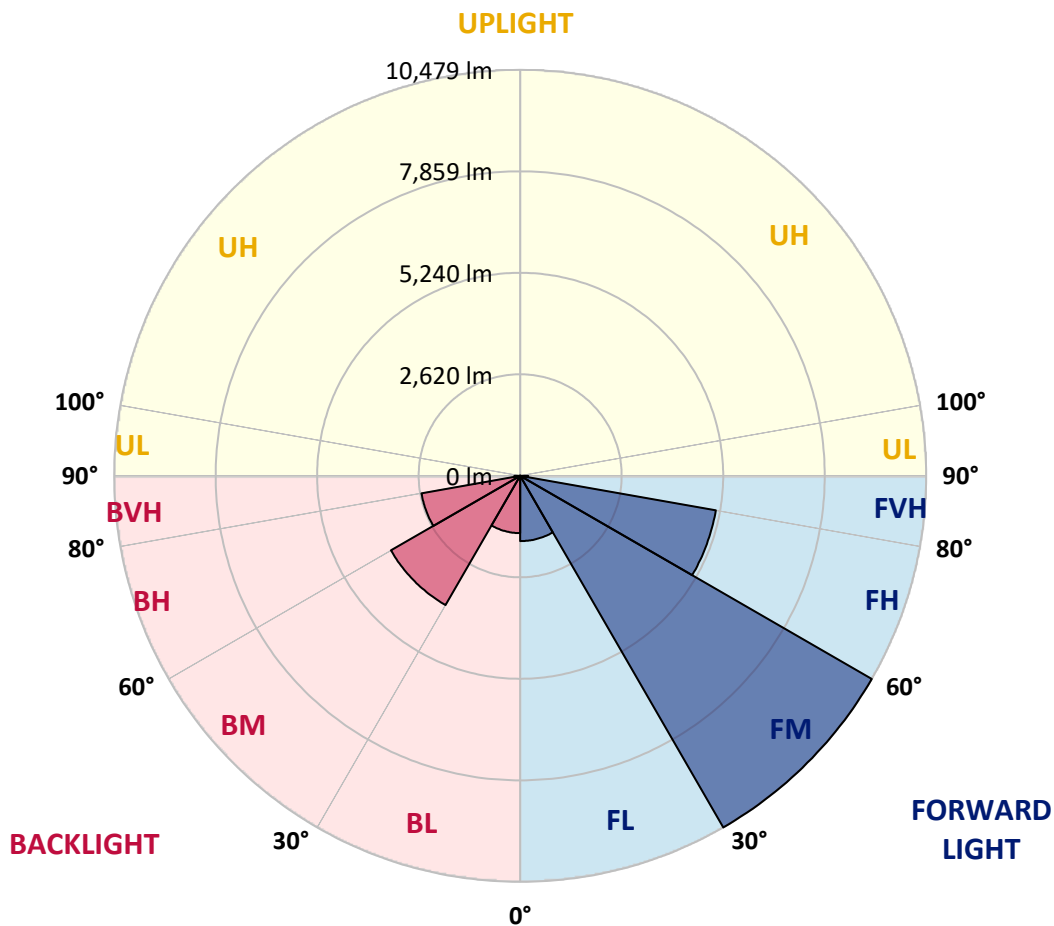
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1685.3	6.6			
FM	(30°-60°)	10479.0	41.0			
FH	(60°-80°)	5128.4	20.1			G3/7500
FVH	(80°-90°)	207.8	0.8			G2/225
BL	(0°-30°)	1479.7	5.8	B3/2500		
BM	(30°-60°)	3851.8	15.1	B3/5000		
BH	(60°-80°)	2588.3	10.1	B4/5000		G4/5000
BVH	(80°-90°)	148.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6
2.5°	2799.0	2791.1	2797.7	2797.7	2800.3	2799.0	2808.3	2811.0	2814.9	2822.9	2822.9
5°	2771.2	2769.8	2781.8	2792.4	2803.0	2812.3	2824.2	2841.5	2844.1	2853.4	2865.3
7.5°	2761.9	2753.9	2772.5	2785.8	2811.0	2833.5	2865.3	2894.5	2906.5	2910.5	2933.0
10°	2833.5	2820.2	2837.5	2845.5	2866.7	2889.2	2926.4	2972.8	2986.1	3002.0	3027.2
12.5°	2955.6	2941.0	2966.2	2978.1	2998.0	3017.9	3043.1	3088.2	3094.8	3124.0	3147.9
15°	3122.7	3105.5	3121.4	3136.0	3169.1	3187.7	3212.9	3256.7	3256.7	3279.2	3296.5
17.5°	3349.5	3327.0	3338.9	3344.2	3365.5	3393.3	3435.8	3474.2	3494.1	3486.2	3462.3
20°	3687.8	3660.0	3660.0	3633.4	3625.5	3648.0	3703.7	3756.8	3778.0	3736.9	3678.5
22.5°	4195.9	4156.1	4133.5	4043.3	4007.5	4010.2	4065.9	4130.9	4148.1	4075.2	3943.8
25°	4841.9	4779.6	4749.1	4616.4	4535.5	4465.2	4508.9	4592.5	4616.4	4526.2	4313.9
27.5°	5487.9	5491.9	5462.7	5303.5	5169.6	5040.9	5018.3	5105.9	5131.1	5029.0	4766.3
30°	6394.0	6299.8	6244.1	6053.0	5862.0	5681.6	5588.8	5624.6	5631.2	5509.2	5204.1
32.5°	7175.3	7151.4	7032.0	6864.9	6619.5	6336.9	6181.7	6124.7	6114.1	5940.3	5578.1
35°	8065.4	8052.2	7926.1	7727.2	7461.8	7069.2	6789.3	6626.1	6612.9	6368.8	5948.3
37.5°	8970.1	8970.1	8846.8	8629.2	8354.6	7863.8	7438.0	7179.3	7136.8	6818.5	6325.0
40°	9691.8	9648.0	9670.6	9579.0	9264.6	8743.3	8158.3	7782.9	7725.8	7343.8	6725.6
42.5°	10101.7	10087.1	10222.4	10324.5	10195.9	9779.3	8951.6	8436.9	8357.3	7922.2	7187.2
45°	10193.2	10177.3	10418.7	10792.8	10973.2	10802.1	9813.8	9125.3	9028.5	8527.1	7682.1
47.5°	9982.3	9950.5	10304.6	10895.0	11473.3	11774.5	10747.7	9872.2	9731.6	9116.1	8190.1
50°	9348.2	9317.7	9853.6	10637.6	11641.8	12435.1	11761.2	10664.1	10449.2	9747.5	8703.5
52.5°	7969.9	7984.5	8824.2	9901.4	11420.3	12846.3	12634.1	11498.5	11239.9	10393.5	9185.0
55°	6208.3	6240.1	7272.1	8458.1	10534.1	12784.0	13229.7	12358.1	12100.8	11001.1	9682.5
57.5°	4445.3	4585.9	5552.9	6726.9	8832.2	11795.7	13359.7	13175.3	12925.9	11664.4	10169.3
60°	2881.3	2906.5	3901.4	5084.7	6725.6	10039.3	13095.7	13794.8	13599.8	12340.9	10576.6
62.5°	1846.6	1863.8	2470.0	3556.5	4840.6	7427.4	12206.9	14064.1	14004.4	12787.9	10967.9
65°	1357.1	1343.8	1659.5	2350.6	3260.7	4580.6	10481.1	13934.1	14052.1	13067.8	11291.6
67.5°	1132.9	1114.3	1269.5	1627.7	2402.4	2601.4	7755.0	13089.1	13521.5	13036.0	11529.0
70°	1032.1	1016.1	1110.3	1208.5	1874.4	1741.8	3909.3	11379.1	12045.1	12673.9	11490.6
72.5°	874.2	846.3	975.0	1073.2	1457.9	1335.8	1615.7	8740.6	9552.5	11513.1	10949.3
75°	677.9	659.3	769.4	944.5	1095.7	1042.7	1021.4	5307.5	6193.7	8903.8	9579.0
77.5°	537.3	512.0	612.9	736.2	985.6	786.6	744.2	2285.6	3163.8	5684.3	7167.4
80°	404.6	382.0	465.6	582.4	757.5	593.0	481.5	932.6	1192.6	2879.9	3604.2
82.5°	287.9	268.0	325.0	427.1	509.4	531.9	295.8	522.7	587.7	1110.3	805.2
85°	184.4	172.5	217.6	268.0	323.7	342.2	180.4	273.3	299.8	457.7	335.6
87.5°	100.8	82.2	116.7	124.7	149.9	136.6	86.2	99.5	107.5	165.8	141.9
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°	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6	2817.6
2.5°	2828.2	2832.2	2845.5	2849.4	2858.7	2870.7	2878.6	2886.6	2886.6	2894.5	2894.5
5°	2866.7	2876.0	2903.8	2918.4	2942.3	2966.2	2980.8	2998.0	3008.6	3013.9	3016.6
7.5°	2941.0	2955.6	2995.4	3020.6	3061.7	3094.8	3117.4	3141.3	3146.6	3161.2	3155.9
10°	3041.8	3059.0	3104.1	3151.9	3201.0	3242.1	3263.3	3280.6	3287.2	3289.8	3283.2
12.5°	3157.2	3182.4	3240.8	3299.1	3350.9	3386.7	3392.0	3388.0	3369.4	3353.5	3353.5
15°	3299.1	3321.7	3386.7	3450.4	3500.8	3507.4	3474.2	3453.0	3430.5	3426.5	3426.5
17.5°	3468.9	3480.9	3540.6	3602.9	3606.9	3584.3	3535.3	3515.4	3494.1	3479.5	3480.9
20°	3666.6	3662.6	3705.1	3731.6	3703.7	3634.7	3560.5	3527.3	3506.1	3488.8	3490.2
22.5°	3902.7	3872.2	3866.9	3860.3	3786.0	3641.4	3540.6	3498.1	3464.9	3441.1	3449.0
25°	4246.3	4129.6	4048.6	4003.5	3836.4	3605.6	3476.9	3382.7	3320.4	3279.2	3295.2
27.5°	4676.1	4479.8	4275.5	4165.4	3836.4	3532.6	3323.0	3170.5	3068.3	3025.9	3047.1
30°	5086.0	4880.4	4579.3	4360.4	3827.1	3413.2	3074.9	2862.7	2743.3	2700.9	2726.1
32.5°	5436.2	5212.0	4901.6	4573.9	3804.5	3219.5	2767.2	2532.4	2417.0	2366.6	2391.8
35°	5761.2	5522.4	5225.3	4808.7	3744.9	2935.7	2428.9	2249.8	2121.2	2040.2	2066.8
37.5°	6094.2	5810.3	5531.7	5021.0	3637.4	2604.0	2168.9	2016.4	1865.1	1756.4	1785.5
40°	6456.3	6116.7	5859.4	5147.0	3461.0	2288.3	1967.3	1828.0	1667.5	1552.1	1574.6
42.5°	6879.5	6484.2	6224.2	5212.0	3219.5	2064.1	1835.9	1699.3	1548.1	1453.9	1472.5
45°	7321.2	6888.8	6557.1	5210.7	2950.2	1959.3	1793.5	1658.2	1491.0	1392.9	1408.8
47.5°	7784.2	7311.9	6845.0	5125.8	2716.8	1973.9	1769.6	1569.3	1384.9	1289.4	1302.7
50°	8248.5	7774.9	7123.6	4966.6	2617.3	1942.1	1680.7	1444.6	1227.1	1140.8	1146.1
52.5°	8708.8	8267.1	7363.7	4739.8	2516.5	1824.0	1566.7	1282.8	1162.1	1102.4	1102.4
55°	9171.8	8753.9	7625.0	4409.5	2264.4	1686.0	1375.6	1221.8	1110.3	1055.9	1050.6
57.5°	9636.1	9316.4	7873.1	4079.1	1947.4	1516.2	1270.8	1147.5	1058.6	1012.2	1004.2
60°	10118.9	9959.7	8129.1	3775.4	1634.3	1298.7	1193.9	1087.8	997.6	945.8	941.9
62.5°	10616.4	10668.1	8329.4	3384.0	1346.4	1166.0	1124.9	1016.1	928.6	879.5	878.2
65°	11117.8	11351.3	8460.7	2841.5	1091.8	1040.0	1050.6	937.9	849.0	806.5	805.2
67.5°	11495.9	11843.4	8423.6	2150.3	895.4	920.6	957.8	855.6	772.1	738.9	740.2
70°	11538.3	11785.1	8057.5	1472.5	749.5	803.9	854.3	774.7	688.5	664.6	665.9
72.5°	10973.2	10989.1	7037.3	961.7	634.1	705.7	745.5	692.5	608.9	585.0	583.7
75°	9491.5	9088.2	5166.9	634.1	530.6	606.2	643.4	606.2	525.3	530.6	512.0
77.5°	7191.2	6436.4	3137.3	451.0	443.1	509.4	559.8	533.3	464.3	521.3	459.0
80°	3705.1	3482.2	1399.5	336.9	350.2	407.3	460.3	425.8	367.5	350.2	319.7
82.5°	849.0	987.0	551.8	241.4	253.4	293.2	351.5	319.7	264.0	222.9	220.2
85°	297.1	325.0	244.1	151.2	148.6	183.1	238.8	213.6	179.1	143.3	151.2
87.5°	94.2	123.4	91.5	61.0	63.7	82.2	110.1	100.8	83.6	54.4	57.0
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)