

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: STREETWORKS

Report Number: P323157

Luminaire Tested: **GAN-SA3B-730-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323157  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-730-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13160 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

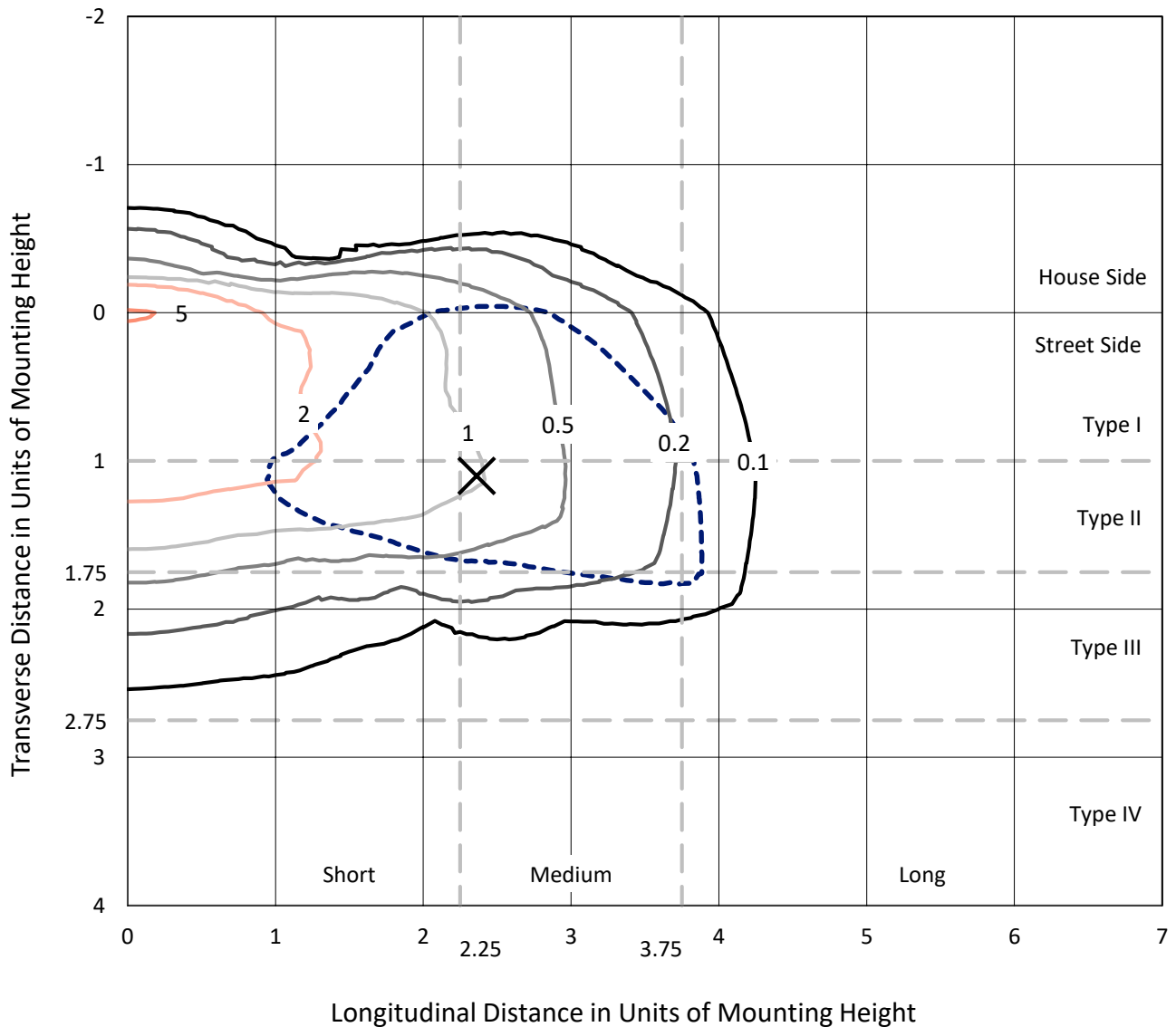
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

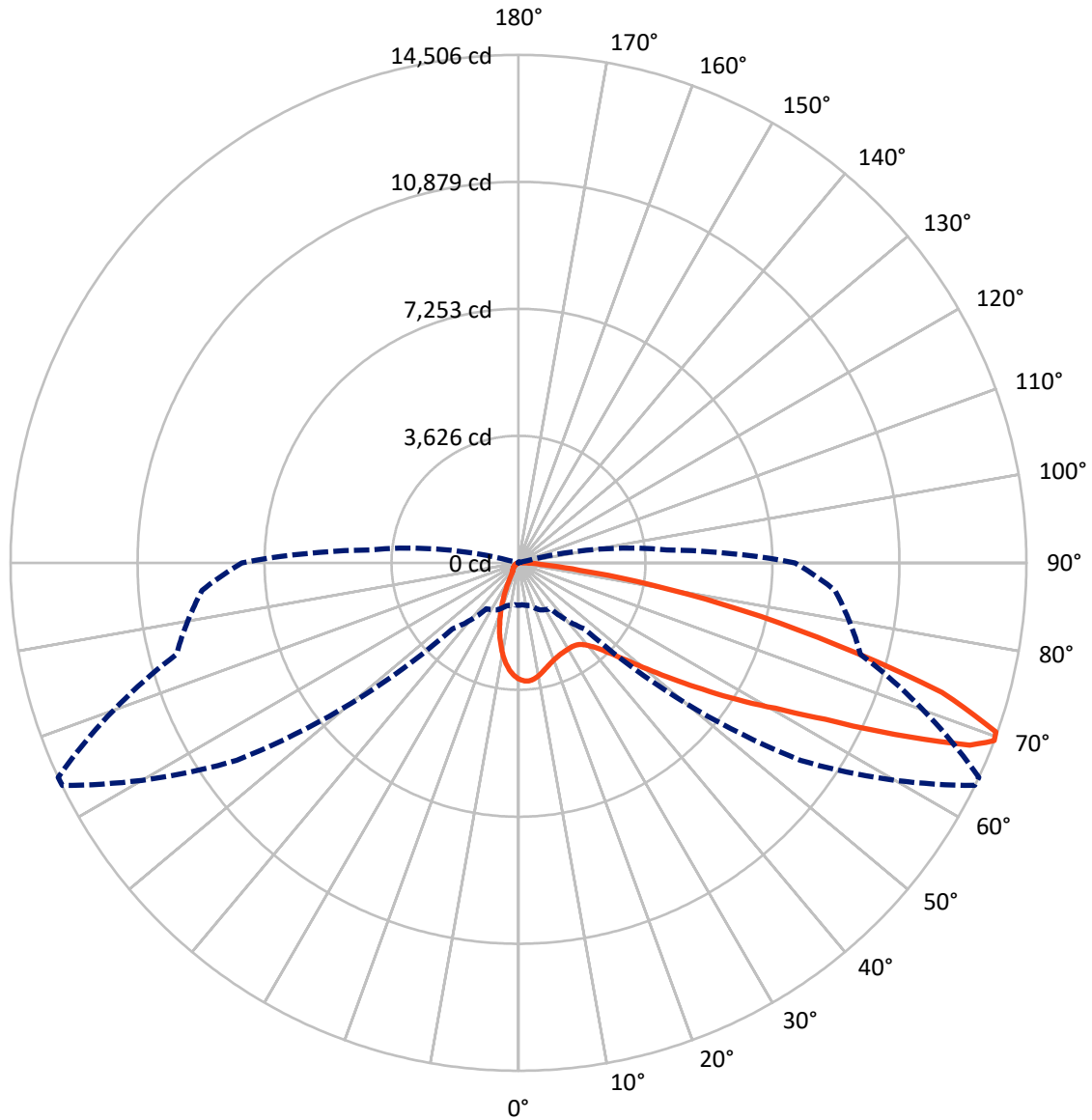
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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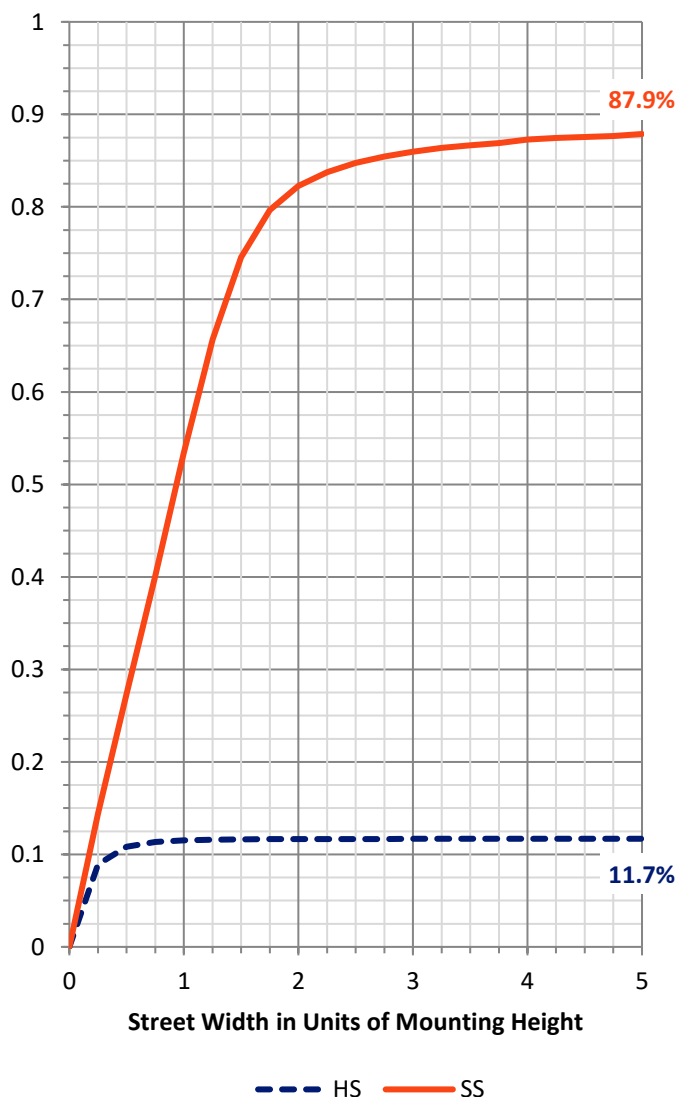
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1551.2	0.0	1551.2
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	11608.7	0.0	11608.7
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	13160.0	0.0	13160.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.1	2.1
10°-20°	608.7	4.6
20°-30°	843.1	6.4
30°-40°	1175.6	8.9
40°-50°	1827.3	13.9
50°-60°	2933.5	22.3
60°-70°	3318.2	25.2
70°-80°	1948.8	14.8
80°-90°	226.7	1.7
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°	13160.0	100.0
0°-180°	13160.0	100.0

**Coefficient of Utilization**

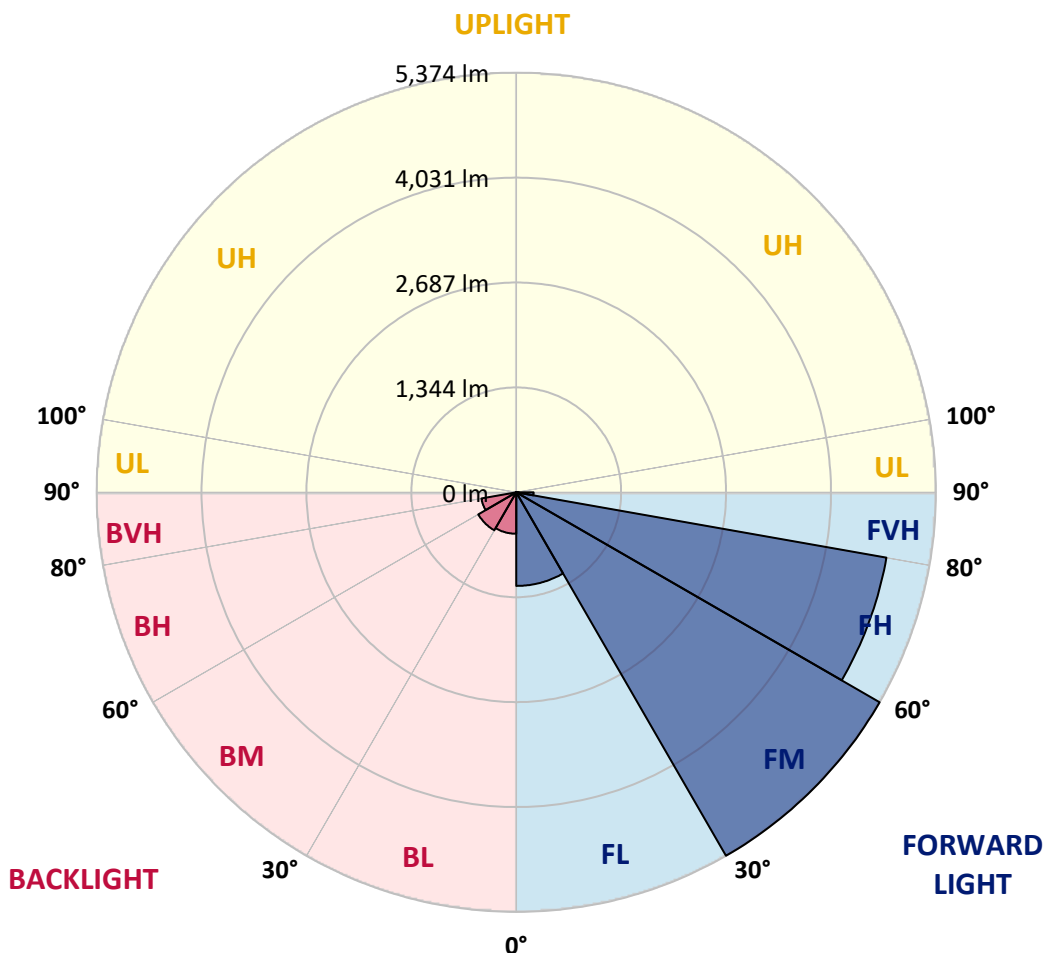


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1199.2	9.1			
FM (30°-60°)	5374.2	40.8			
FH (60°-80°)	4813.8	36.6			G2/5000
FVH (80°-90°)	221.6	1.7			G2/225
BL (0°-30°)	530.8	4.0	B2/1000		
BM (30°-60°)	562.1	4.3	B1/1000		
BH (60°-80°)	453.2	3.4	B1/500		G1/500
BVH (80°-90°)	5.1	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-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6
2.5°	3355.1	3346.7	3353.4	3367.9	3375.1	3375.1	3380.7	3374.0	3376.2	3360.1	3336.7
5°	3145.1	3132.3	3150.7	3191.4	3241.5	3284.3	3347.8	3381.2	3384.6	3385.1	3357.9
7.5°	2919.0	2907.4	2934.6	2982.5	3047.1	3126.8	3237.6	3334.5	3340.0	3392.4	3372.3
10°	2735.3	2726.9	2758.7	2809.9	2885.6	2974.7	3110.6	3245.4	3261.5	3377.3	3370.1
12.5°	2589.4	2582.7	2612.8	2671.8	2749.2	2847.8	2989.8	3146.2	3168.0	3343.4	3359.0
15°	2483.0	2481.9	2507.0	2563.8	2649.5	2741.4	2886.8	3054.4	3079.4	3306.6	3357.3
17.5°	2427.3	2429.0	2447.4	2495.8	2569.3	2660.7	2799.9	2977.0	3004.2	3273.8	3365.6
20°	2421.8	2423.4	2433.5	2460.8	2520.3	2601.1	2729.2	2911.8	2940.2	3249.3	3379.0
22.5°	2470.8	2469.7	2472.4	2469.7	2503.1	2564.3	2682.4	2861.7	2894.5	3233.1	3389.6
25°	2564.9	2563.2	2562.1	2541.5	2519.2	2552.1	2662.9	2833.3	2864.5	3221.4	3395.7
27.5°	2695.7	2694.6	2693.0	2659.0	2592.2	2571.6	2665.1	2822.7	2848.9	3212.0	3394.6
30°	2867.8	2875.6	2873.4	2826.1	2721.9	2631.2	2688.5	2817.1	2840.0	3193.6	3382.9
32.5°	3070.0	3085.5	3097.8	3047.1	2916.8	2749.2	2742.5	2823.3	2840.0	3179.7	3361.8
35°	3279.9	3299.9	3345.0	3327.2	3155.7	2926.8	2835.5	2860.0	2873.9	3187.5	3351.7
37.5°	3486.5	3510.4	3608.4	3660.2	3468.7	3161.8	2980.3	2950.8	2958.0	3234.8	3362.9
40°	3726.5	3762.7	3911.4	3994.9	3842.3	3476.5	3196.9	3106.7	3109.5	3338.9	3414.7
42.5°	4041.7	4079.0	4239.9	4370.8	4263.3	3874.1	3490.9	3345.0	3342.3	3533.8	3536.6
45°	4425.9	4464.9	4631.4	4776.7	4728.3	4345.2	3867.4	3693.1	3689.7	3841.2	3767.7
47.5°	4861.4	4899.8	5048.5	5198.3	5250.6	4895.3	4346.8	4168.1	4160.3	4268.3	4124.6
50°	5235.0	5260.1	5397.1	5598.6	5834.8	5571.4	4943.2	4771.2	4762.8	4835.8	4648.6
52.5°	5370.9	5385.4	5524.6	5806.9	6396.1	6486.8	5726.7	5505.1	5499.0	5530.7	5346.4
55°	5095.8	5122.0	5292.9	5711.7	6700.1	7521.5	6715.7	6413.9	6367.7	6299.2	6075.9
57.5°	4346.3	4388.0	4571.8	5128.7	6558.1	8342.3	8169.1	7441.8	7373.9	6955.2	6668.9
60°	3256.5	3307.7	3460.3	4061.2	5800.2	8634.6	9757.3	8587.3	8434.2	7477.5	7214.1
62.5°	2234.7	2260.3	2363.9	2755.3	4271.7	8155.7	11085.9	10121.4	9841.9	8045.5	7803.8
65°	1706.8	1715.7	1758.0	1892.8	2543.7	6624.9	11614.4	12145.6	11807.6	8724.8	8415.8
67.5°	1375.4	1368.2	1426.7	1619.3	1703.4	4041.7	10997.9	14060.7	13902.5	9633.1	9031.7
69°	1212.8	1202.8	1262.4	1486.3	1599.9	2671.8	9831.9	14495.6	14505.6	10112.5	9074.0
70°	1091.4	1098.1	1157.2	1407.2	1564.8	2097.1	8718.2	14384.8	14463.8	10291.8	8820.1
72.5°	728.9	746.7	865.4	1168.3	1504.6	1587.0	5264.0	12343.9	12647.9	9888.1	7567.1
75°	411.0	424.3	565.2	880.9	1417.8	1511.3	2780.4	9094.0	9388.1	8268.8	5835.3
77.5°	201.6	208.8	319.6	568.6	1185.6	1440.0	1577.0	6177.2	6513.0	5397.1	3300.5
80°	85.2	89.1	159.8	350.8	847.5	1374.3	1171.1	3801.7	3843.4	2114.4	879.3
82.5°	32.9	34.0	67.4	218.8	538.5	1071.4	979.5	1802.5	1759.1	398.2	200.5
85°	3.9	4.5	24.5	131.4	299.6	551.3	795.7	776.8	718.9	79.1	103.0
87.5°	0.0	0.0	1.7	40.1	89.1	258.4	413.7	322.4	290.7	25.6	53.5
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°	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6	3325.6
2.5°	3317.2	3311.6	3281.6	3238.1	3196.9	3145.7	3096.7	3067.2	3043.8	3028.2	3046.6
5°	3326.1	3301.6	3210.3	3093.3	2978.6	2849.4	2729.2	2627.3	2587.2	2542.6	2562.7
7.5°	3323.3	3277.1	3112.8	2904.6	2694.1	2476.3	2270.3	2111.6	2029.2	1948.4	1969.0
10°	3309.4	3231.4	2982.5	2674.0	2358.8	2045.9	1753.5	1531.4	1407.2	1294.7	1310.8
12.5°	3278.8	3170.2	2828.8	2410.1	1988.5	1575.9	1233.4	948.9	796.3	728.9	737.3
15°	3260.4	3110.6	2666.2	2142.8	1593.2	1097.6	754.0	560.8	491.1	468.9	471.7
17.5°	3251.5	3053.3	2498.1	1837.1	1188.9	698.9	487.3	429.9	414.9	411.0	412.1
20°	3242.6	2995.3	2324.9	1534.7	819.1	470.0	400.4	383.7	378.1	373.1	374.2
22.5°	3227.5	2939.7	2138.9	1228.4	552.4	381.4	360.8	344.7	333.0	326.9	328.0
25°	3209.2	2881.2	1949.0	914.9	403.2	340.2	320.8	297.9	284.0	272.9	273.4
27.5°	3179.7	2809.3	1753.0	666.0	338.6	304.6	278.4	253.4	230.0	217.2	217.2
30°	3138.5	2728.0	1535.3	476.7	303.5	269.5	237.8	206.6	181.5	169.8	168.7
32.5°	3092.8	2643.4	1315.3	361.4	275.6	236.7	200.5	167.6	145.3	135.9	135.3
35°	3053.8	2552.1	1095.9	302.9	247.8	204.9	165.4	137.5	119.7	111.9	111.4
37.5°	3028.7	2460.8	882.1	270.6	222.7	175.4	138.7	113.6	100.8	94.7	94.1
40°	3024.9	2392.8	686.6	246.1	199.4	149.2	115.8	96.3	84.6	78.0	77.4
42.5°	3075.5	2353.8	526.8	225.5	175.4	126.4	98.6	82.4	70.2	63.5	62.9
45°	3208.6	2366.1	405.4	207.2	151.5	106.9	83.5	68.5	57.4	52.3	51.2
47.5°	3451.4	2450.7	322.4	188.8	128.6	90.8	71.3	56.8	47.3	42.3	41.8
50°	3883.5	2649.5	269.5	168.7	107.5	77.4	59.0	46.2	38.4	34.0	33.4
52.5°	4457.1	3003.7	240.6	149.2	89.1	65.7	48.4	36.8	30.1	26.7	26.2
55°	5089.7	3432.5	221.6	128.1	72.9	54.6	38.4	29.0	23.4	20.6	19.5
57.5°	5707.2	3803.9	203.8	107.5	60.7	44.5	30.6	22.8	18.4	15.6	15.0
60°	6274.7	4145.2	183.2	86.3	49.6	35.1	23.9	17.8	14.5	11.7	11.7
62.5°	6882.2	4409.2	154.8	67.4	40.7	26.7	19.5	16.1	11.7	10.0	9.5
65°	7525.9	4605.2	121.4	52.3	31.7	20.0	16.1	16.7	9.5	7.2	6.7
67.5°	8001.5	4566.2	89.7	41.2	24.5	15.6	15.6	17.8	8.4	5.6	5.0
69°	7896.8	4249.4	75.2	35.6	21.2	13.4	14.5	17.8	7.8	5.0	4.5
70°	7593.3	3898.6	66.3	31.7	18.9	12.3	13.9	17.3	7.2	5.0	4.5
72.5°	6323.7	2936.3	51.8	23.9	15.0	10.0	11.7	15.0	7.2	5.0	3.9
75°	4756.7	1879.4	39.5	17.3	11.1	7.8	8.9	11.1	7.2	4.5	3.9
77.5°	2588.3	677.7	28.4	11.7	7.8	6.1	6.1	8.4	6.7	3.3	2.2
80°	665.4	170.4	17.8	7.8	6.1	4.5	3.9	5.6	3.9	0.6	0.0
82.5°	164.3	38.4	9.5	5.6	4.5	1.7	1.7	2.8	1.7	0.0	0.0
85°	90.2	18.9	6.1	3.9	2.2	0.0	0.0	0.6	0.0	0.0	0.0
87.5°	46.2	5.6	1.7	1.1	0.6	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)