

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: P322510

Luminaire Tested: **GAN-SA6A-730-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322510  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6A-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18025 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

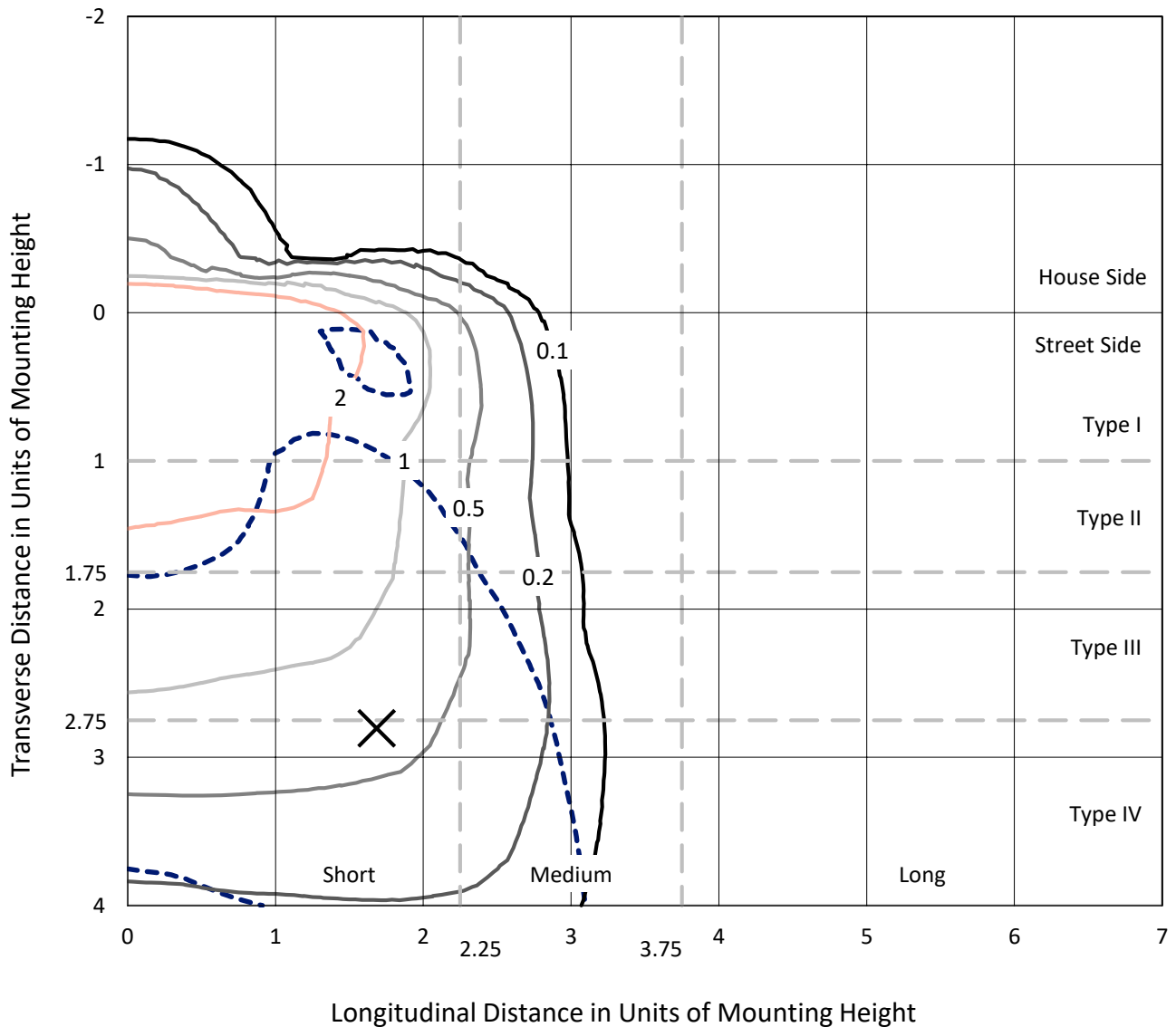
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

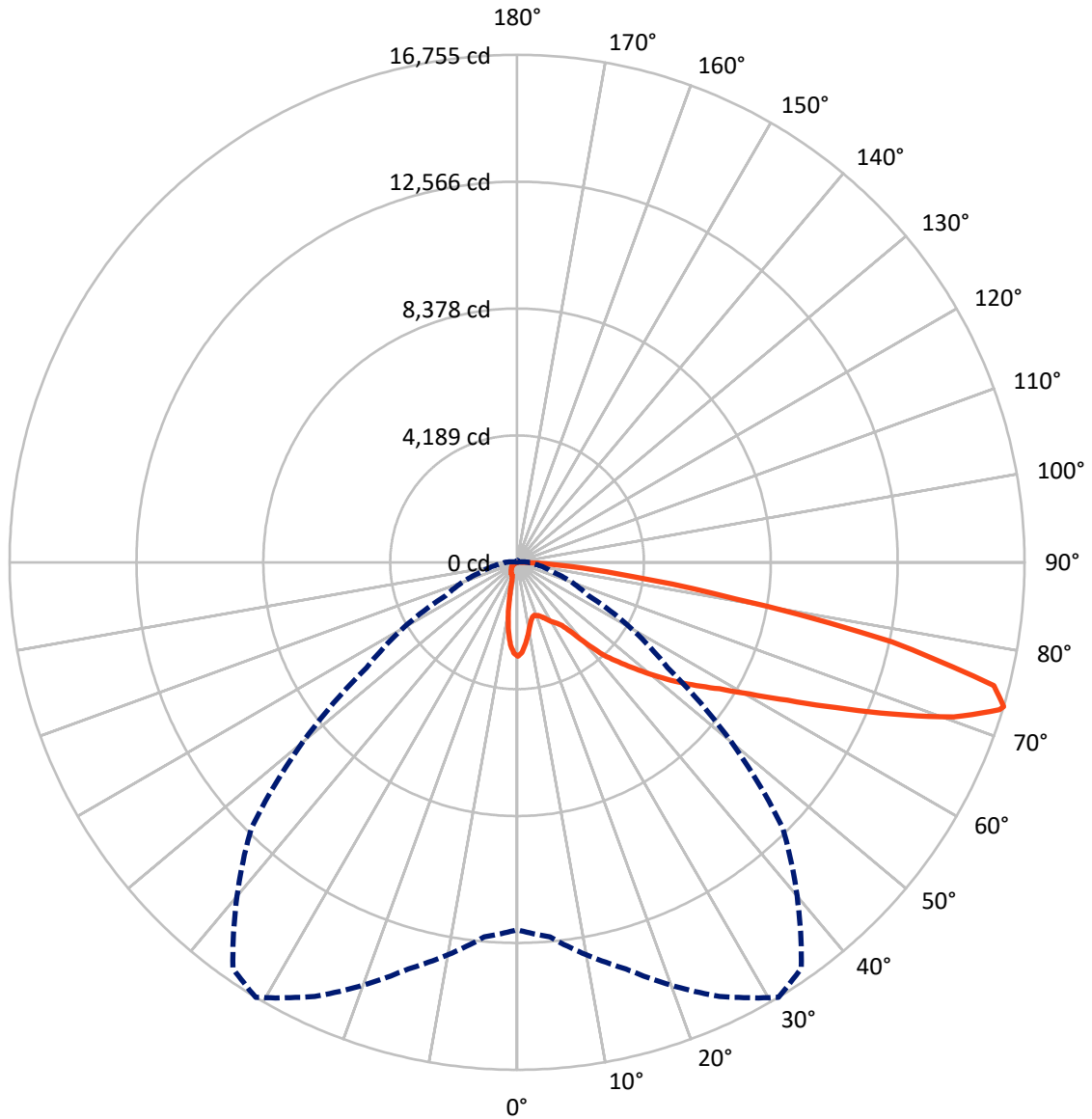
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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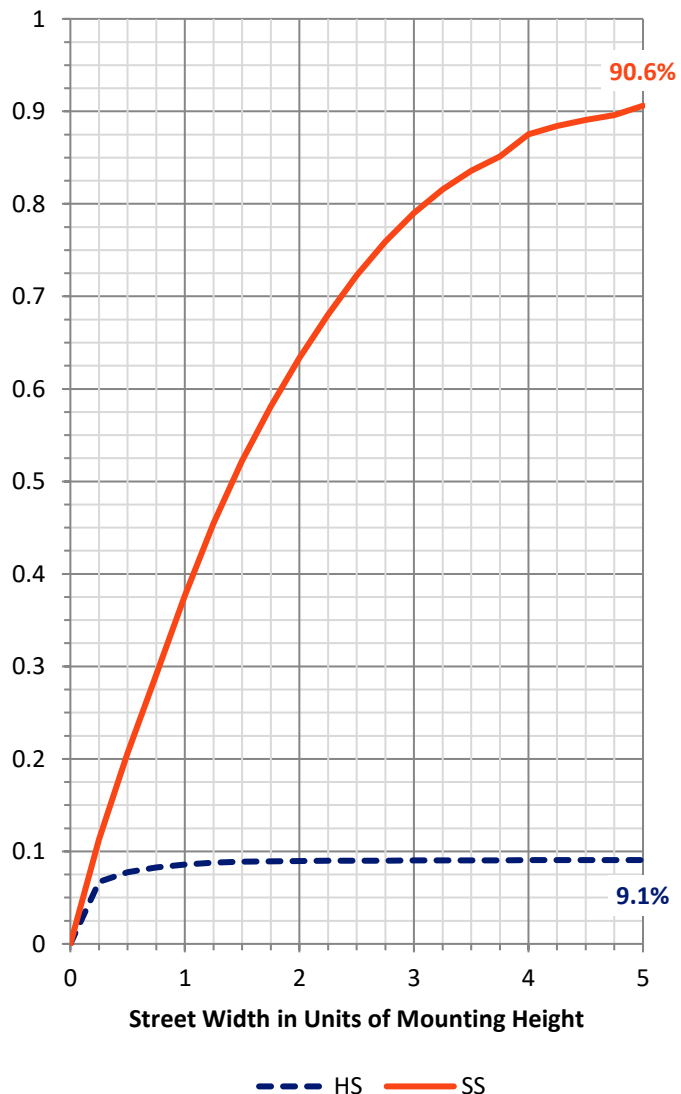
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1643.0	0.0	1643.0
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	16382.0	0.0	16382.0
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	18025.0	0.0	18025.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.1	1.4
10°-20°	558.3	3.1
20°-30°	836.5	4.6
30°-40°	1330.9	7.4
40°-50°	2376.6	13.2
50°-60°	3687.9	20.5
60°-70°	4902.5	27.2
70°-80°	3687.7	20.5
80°-90°	387.5	2.1
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°	18025.0	100.0
0°-180°	18025.0	100.0

**Coefficient of Utilization**



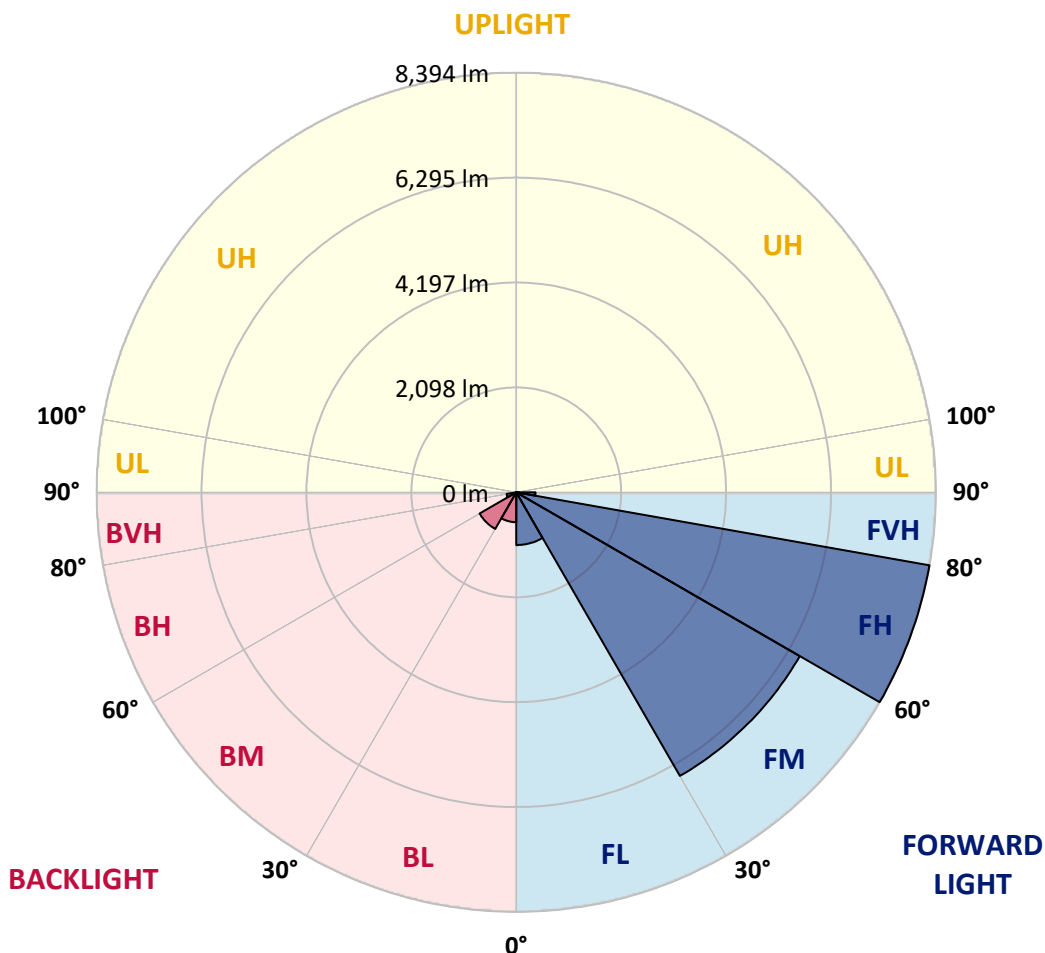
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1054.5	5.9			
FM (30°-60°)	6549.7	36.3			
FH (60°-80°)	8393.6	46.6			G4/12000
FVH (80°-90°)	384.2	2.1			G3/500
BL (0°-30°)	597.5	3.3	B2/1000		
BM (30°-60°)	845.7	4.7	B1/1000		
BH (60°-80°)	196.6	1.1	B1/500		G1/500
BVH (80°-90°)	3.3	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°	31°	35°	45°	55°	65°	75°	85°
0°	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2
2.5°	2938.9	2951.3	2964.5	2967.2	2989.2	2990.1	3021.9	3045.7	3069.5	3092.4	3100.4
5°	2637.3	2657.6	2681.4	2705.2	2752.0	2770.5	2848.1	2927.5	3003.3	3075.7	3110.9
7.5°	2315.3	2338.3	2371.8	2430.9	2482.9	2519.1	2641.7	2782.8	2923.9	3057.1	3133.9
10°	2021.6	2042.8	2078.1	2140.7	2221.0	2270.4	2435.3	2631.1	2838.4	3040.4	3168.3
12.5°	1834.6	1846.1	1865.5	1932.5	2004.9	2060.4	2254.5	2497.0	2767.8	3039.5	3223.8
15°	1800.2	1803.8	1787.9	1817.9	1874.3	1928.1	2124.8	2388.6	2714.0	3053.6	3296.2
17.5°	1854.9	1853.2	1800.2	1796.7	1841.7	1885.8	2061.3	2313.6	2676.1	3086.2	3389.7
20°	1937.8	1931.7	1839.9	1823.2	1870.8	1912.3	2056.9	2285.4	2662.0	3140.9	3503.4
22.5°	2048.1	2037.5	1893.7	1876.1	1927.2	1970.5	2111.6	2312.7	2674.3	3214.1	3635.8
25°	2184.8	2168.9	1986.3	1966.9	2019.0	2062.2	2209.5	2391.2	2711.4	3303.2	3803.3
27.5°	2339.2	2316.2	2134.5	2084.3	2143.3	2188.3	2340.0	2511.2	2769.6	3397.6	4008.9
30°	2484.7	2454.7	2290.6	2207.7	2280.1	2330.3	2481.2	2654.0	2863.1	3543.1	4290.2
32.5°	2631.1	2597.6	2430.0	2331.2	2396.5	2451.2	2626.7	2850.7	3038.6	3765.4	4664.2
35°	2968.1	2932.8	2727.3	2564.1	2563.2	2594.1	2830.5	3119.8	3270.6	4075.0	5110.5
37.5°	3535.2	3514.9	3319.1	3009.5	2926.6	2892.2	3108.3	3440.8	3604.0	4501.0	5614.2
40°	4156.2	4138.5	3918.9	3638.4	3512.3	3427.6	3507.0	3888.0	4075.0	5021.4	6128.4
42.5°	4857.4	4773.6	4382.0	4298.2	4185.3	4120.9	4049.4	4439.3	4653.6	5587.7	6638.2
45°	5494.2	5353.1	4845.0	4718.0	4692.4	4708.3	4748.0	5180.2	5304.6	6260.7	7146.3
47.5°	5873.5	5762.3	5372.5	5250.8	5243.7	5348.7	5648.6	6017.2	5952.9	6847.2	7593.4
50°	6234.2	6133.7	5810.0	5840.0	5872.6	6015.5	6670.8	6878.1	6544.7	7379.1	8003.6
52.5°	6526.2	6372.7	6203.4	6371.8	6532.4	6762.6	7725.8	7650.8	6964.6	7802.5	8354.6
55°	6694.7	6625.0	6707.0	6876.4	7178.0	7552.0	8721.6	8293.8	7271.5	8188.8	8588.4
57.5°	7312.1	7175.4	7338.5	7485.0	7878.3	8401.4	9574.5	8772.7	7492.9	8427.9	8642.2
60°	8059.2	7948.9	8045.0	8288.5	8819.5	9434.3	10371.9	9163.5	7608.4	8581.3	8502.8
62.5°	9248.1	9102.6	9042.6	9315.2	10019.0	10690.3	10976.9	9434.3	7582.9	8513.4	8024.8
65°	10841.1	10690.3	10422.1	10669.1	11564.4	12038.0	11653.5	9491.6	7406.5	7963.9	6816.4
67.5°	12472.9	12363.5	12134.2	12550.5	13358.4	13511.0	12368.8	9352.2	6838.4	6457.4	4815.9
70°	13550.7	13504.0	13653.0	14573.9	15294.5	15250.4	13025.0	8603.4	5330.1	3970.9	2382.4
72.5°	12773.6	12997.7	14098.5	15768.2	16648.4	16288.6	12688.1	6606.4	3046.6	1527.7	688.9
73°	12129.8	12416.4	13898.2	15813.1	16755.2	16360.9	12405.0	6064.0	2596.7	1205.7	522.2
75°	8438.4	8790.4	11506.2	14727.4	16255.9	15588.2	10340.1	3711.6	1203.1	534.5	210.8
77.5°	4097.1	4357.3	6335.7	10640.9	12642.2	12179.2	6437.1	1383.0	543.3	334.3	97.0
80°	1529.5	1700.6	2750.2	5415.7	7305.9	7497.3	2831.3	523.0	361.6	269.0	49.4
82.5°	400.4	446.3	1014.3	2415.0	3744.2	3918.9	892.6	263.7	264.6	221.4	30.0
85°	127.9	146.4	316.7	1084.0	1764.1	1548.9	232.9	127.9	192.3	164.9	16.8
87.5°	15.9	20.3	100.6	254.9	389.0	216.1	36.2	37.9	82.0	91.7	9.7
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°	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2	3101.2
2.5°	3108.3	3103.9	3104.8	3081.8	3066.8	3036.8	3006.0	2991.9	2976.9	2970.7	2976.9
5°	3124.2	3116.2	3093.3	3022.7	2947.8	2850.7	2759.9	2691.1	2604.7	2580.8	2605.5
7.5°	3148.9	3133.0	3066.0	2922.2	2755.5	2570.3	2362.1	2210.4	2086.0	2005.7	2034.9
10°	3185.0	3155.0	3020.1	2775.8	2477.6	2149.5	1854.0	1623.8	1460.7	1393.6	1391.0
12.5°	3245.9	3189.4	2963.6	2585.2	2138.1	1700.6	1313.4	1063.7	931.4	845.9	844.1
15°	3312.9	3230.0	2892.2	2356.8	1742.9	1218.1	845.9	656.2	570.7	543.3	539.8
17.5°	3395.0	3276.8	2799.6	2075.4	1329.2	807.1	552.2	497.5	493.9	491.3	491.3
20°	3498.2	3332.3	2680.5	1753.5	942.9	538.9	469.2	472.8	474.5	471.0	471.9
22.5°	3618.1	3388.8	2538.5	1407.7	637.7	450.7	449.0	453.4	455.1	453.4	454.2
25°	3757.5	3454.1	2365.6	1045.2	460.4	427.8	432.2	438.4	442.8	442.8	442.8
27.5°	3930.4	3533.4	2157.5	729.4	397.8	404.0	416.3	427.8	434.0	435.7	435.7
30°	4155.3	3632.2	1907.8	500.1	361.6	372.2	395.2	417.2	428.7	430.4	431.3
32.5°	4439.3	3743.4	1618.5	369.6	330.8	338.7	363.4	400.4	422.5	426.0	426.0
35°	4764.8	3872.1	1307.2	321.9	308.7	311.4	330.8	373.1	411.9	421.6	422.5
37.5°	5121.1	3999.2	994.1	300.8	290.2	290.2	304.3	340.5	386.3	416.3	419.8
40°	5453.6	4075.9	696.8	284.0	273.4	273.4	285.8	312.2	355.5	400.4	410.1
42.5°	5760.6	4102.3	485.1	268.1	257.6	260.2	270.8	292.0	324.6	369.6	378.4
45°	6076.3	4097.9	353.7	249.6	241.7	249.6	257.6	273.4	297.2	322.8	324.6
47.5°	6314.5	4060.9	280.5	232.0	226.7	237.3	244.3	254.9	268.1	266.4	266.4
50°	6537.7	3970.9	225.8	208.2	211.7	224.0	227.6	231.1	232.0	215.2	213.5
52.5°	6707.0	3830.7	180.8	182.6	196.7	209.0	205.5	200.2	191.4	171.1	167.6
55°	6763.5	3560.8	142.0	150.8	174.6	190.5	177.3	165.8	149.1	132.3	128.8
57.5°	6661.1	3212.4	115.5	117.3	147.3	160.5	145.5	132.3	113.8	99.7	97.0
60°	6444.2	2825.2	95.3	88.2	113.8	125.2	115.5	102.3	85.6	75.0	74.1
62.5°	6013.7	2412.4	78.5	68.8	86.4	96.1	90.0	80.3	66.2	59.1	58.2
65°	5108.8	1929.9	63.5	55.6	67.0	75.0	69.7	62.6	52.0	46.7	45.9
67.5°	3566.1	1304.5	52.0	45.9	52.9	59.1	54.7	51.2	41.5	40.6	41.5
70°	1720.0	628.9	43.2	37.0	41.5	45.9	44.1	41.5	39.7	45.9	52.9
72.5°	493.1	210.8	34.4	30.9	33.5	36.2	37.9	37.0	43.2	55.6	64.4
73°	379.3	170.2	32.6	29.1	31.8	35.3	37.0	36.2	44.1	56.5	64.4
75°	162.3	82.0	24.7	23.8	26.5	30.9	32.6	32.6	44.1	57.3	61.7
77.5°	73.2	44.1	15.9	18.5	22.9	24.7	27.3	27.3	35.3	44.1	44.1
80°	41.5	23.8	12.3	14.1	16.8	16.8	16.8	15.0	15.9	17.6	19.4
82.5°	26.5	15.9	9.7	11.5	10.6	8.8	7.1	7.1	6.2	7.1	8.8
85°	15.0	8.8	8.8	7.1	4.4	3.5	4.4	3.5	0.9	0.0	0.9
87.5°	8.8	5.3	2.6	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)