

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: P322870

Luminaire Tested: **GAN-SA6A-740-U-T4W-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322870  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6A-740-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20202 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

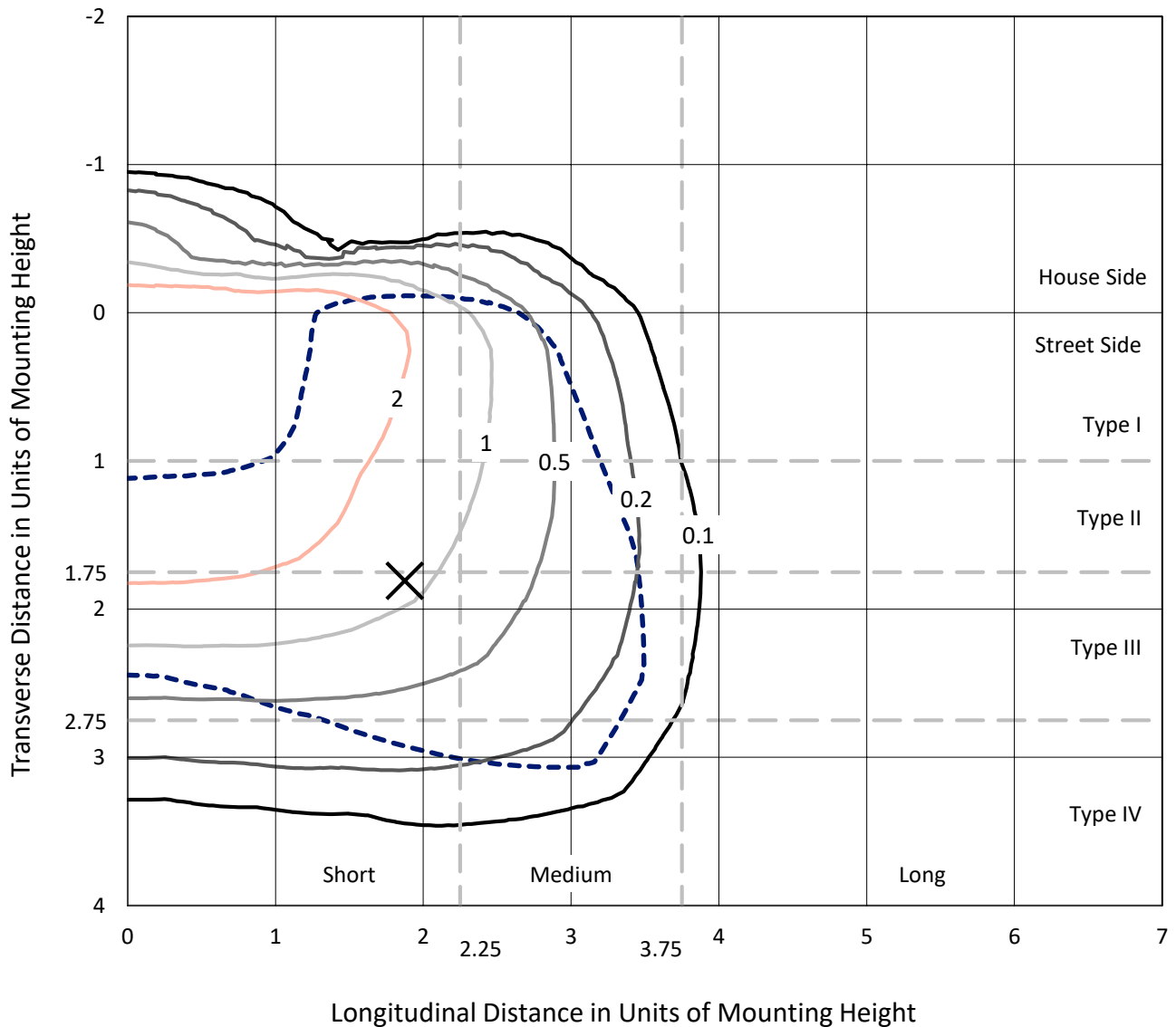
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

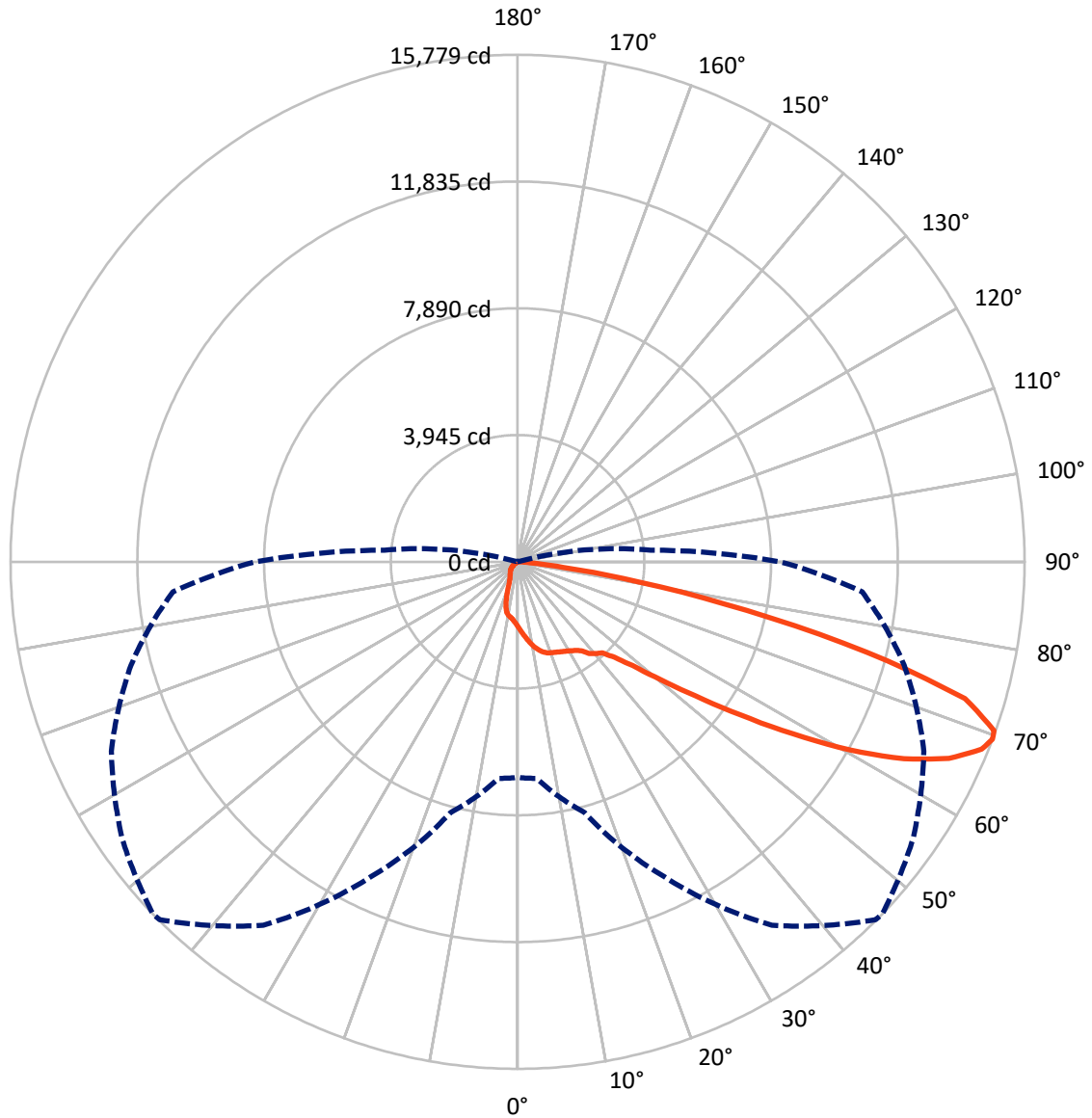
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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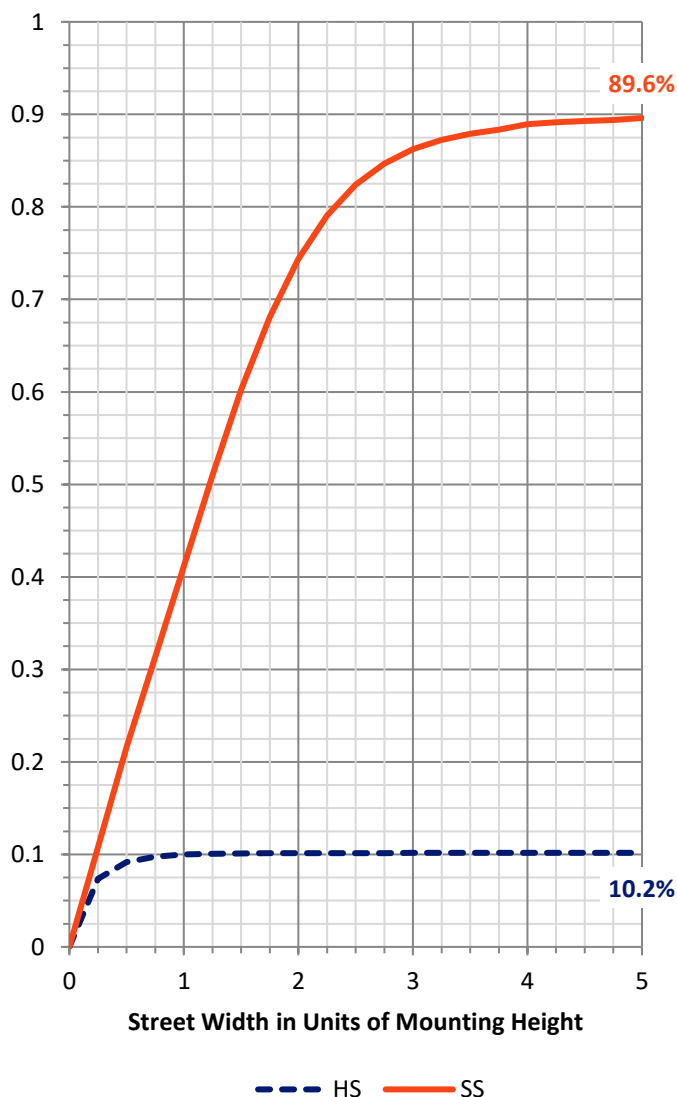
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2073.3	0.0	2073.3
	% Fixture	10.3	0.0	10.3
<b>Street Side</b>	Lumens	18128.7	0.0	18128.7
	% Fixture	89.7	0.0	89.7
<b>Total</b>	Lumens	20202.0	0.0	20202.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.5	1.0
10°-20°	611.2	3.0
20°-30°	961.3	4.8
30°-40°	1378.4	6.8
40°-50°	2382.5	11.8
50°-60°	4706.8	23.3
60°-70°	6578.1	32.6
70°-80°	3178.0	15.7
80°-90°	204.3	1.0
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°	20202.0	100.0
0°-180°	20202.0	100.0

**Coefficient of Utilization**

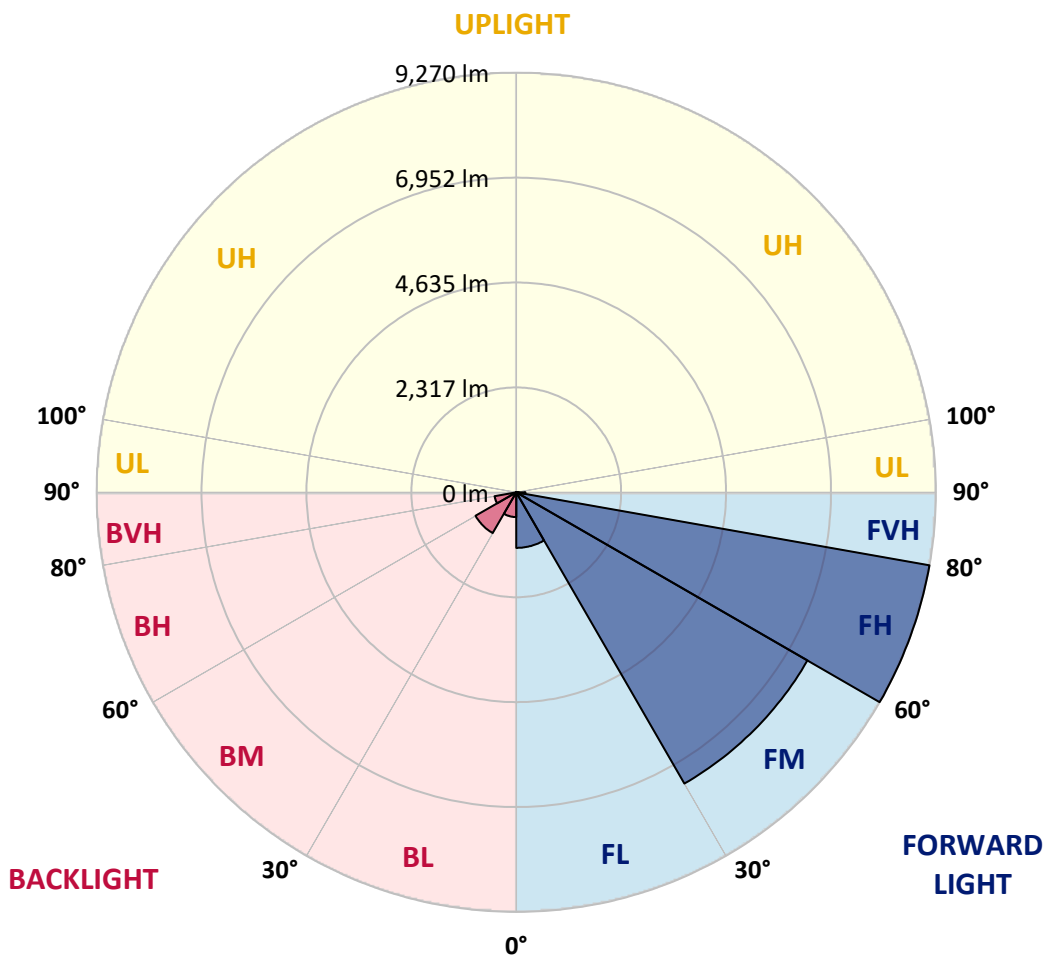


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1227.5	6.1			
FM (30°-60°)	7428.7	36.8			
FH (60°-80°)	9270.0	45.9			G4/12000
FVH (80°-90°)	202.5	1.0			G2/225
BL (0°-30°)	546.4	2.7	B2/1000		
BM (30°-60°)	1039.0	5.1	B2/2500		
BH (60°-80°)	486.1	2.4	B1/500		G1/500
BVH (80°-90°)	1.7	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°	35°	45°	46°	55°	65°	75°	85°
0°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2
2.5°	2248.7	2245.8	2232.5	2226.9	2194.7	2175.7	2168.1	2144.5	2110.4	2076.3	2038.4
5°	2504.4	2503.4	2478.8	2455.1	2394.5	2337.7	2327.3	2272.3	2195.6	2123.6	2051.6
7.5°	2765.8	2753.5	2728.9	2683.4	2595.3	2504.4	2495.9	2418.2	2309.3	2205.1	2101.8
10°	2987.5	2979.9	2947.7	2878.5	2775.3	2672.0	2661.6	2566.0	2442.8	2315.0	2183.3
12.5°	3159.9	3154.2	3111.5	3025.4	2915.5	2808.4	2794.2	2709.0	2577.3	2434.3	2279.0
15°	3265.0	3262.2	3210.1	3118.2	3010.2	2917.4	2905.1	2830.2	2708.0	2558.4	2383.2
17.5°	3289.6	3290.6	3236.6	3143.8	3054.7	2988.4	2978.9	2922.1	2819.8	2671.1	2487.3
20°	3234.7	3246.1	3197.7	3117.2	3062.3	3027.2	3019.7	2985.6	2899.4	2759.2	2570.7
22.5°	3157.0	3162.7	3129.5	3075.6	3052.8	3059.5	3055.7	3036.7	2963.8	2835.0	2653.1
25°	3109.7	3109.7	3089.8	3044.3	3059.5	3100.2	3101.1	3097.3	3039.6	2927.8	2753.5
27.5°	3107.8	3102.1	3079.3	3045.2	3086.9	3149.4	3153.2	3178.8	3142.8	3040.5	2878.5
30°	3183.5	3176.9	3128.6	3084.1	3137.1	3204.4	3213.8	3269.7	3251.7	3162.7	3017.8
32.5°	3360.7	3337.0	3229.9	3157.0	3196.8	3277.3	3289.6	3378.7	3407.1	3313.3	3152.3
35°	3603.1	3528.3	3373.9	3295.3	3299.1	3383.4	3394.8	3525.5	3609.8	3451.6	3256.5
37.5°	3937.5	3900.6	3649.6	3439.3	3456.3	3584.2	3617.4	3759.4	3735.8	3527.4	3374.9
40°	4670.6	4612.9	4345.8	3842.8	3606.9	3747.1	3757.5	3833.3	3835.2	3698.8	3621.1
42.5°	5669.0	5645.3	5364.0	4575.0	3903.4	3856.0	3875.0	4002.9	4145.9	4060.6	4056.9
45°	6774.4	6762.1	6463.7	5546.8	4503.0	4213.1	4236.8	4408.3	4682.0	4701.0	4821.2
47.5°	7663.8	7658.1	7486.7	6631.3	5420.8	4818.4	4826.0	5007.8	5489.0	5726.8	5919.0
50°	8474.6	8502.1	8366.6	7804.9	6671.1	5766.5	5748.6	5869.8	6642.7	7032.0	7270.7
52.5°	9601.8	9640.6	9260.8	8899.9	7983.0	6943.0	6928.8	7055.7	8029.4	8321.1	8363.8
55°	10597.3	10531.0	10230.7	10126.5	9582.8	8396.0	8392.2	8504.0	9370.6	9494.7	9573.3
57.5°	11036.8	11011.2	11156.1	11394.8	11258.4	10113.2	10104.7	10019.5	10570.7	10584.0	10825.5
60°	11314.3	11345.6	11789.8	12525.8	12865.8	11961.2	11906.3	11386.3	11716.9	11687.5	11946.1
62.5°	11105.9	11167.5	11966.9	13193.5	14068.8	13574.3	13496.6	12638.5	12696.3	12594.9	12835.5
65°	9999.6	10095.3	11405.2	13067.6	14665.5	14835.0	14756.4	13743.9	13473.9	13307.2	13173.6
67.5°	8119.4	8176.2	9544.0	11971.7	14396.5	15587.1	15571.0	14712.8	14061.2	13186.9	12150.7
69°	6710.0	6765.8	8082.5	10818.0	13804.5	15748.1	15779.4	15023.5	13949.4	12455.7	10765.9
70°	5683.2	5742.9	6969.5	9829.1	13117.8	15673.3	15729.2	14994.2	13629.3	11608.9	9550.6
72.5°	2980.8	3032.0	4290.8	6771.5	10693.9	14391.7	14561.3	13726.8	11553.0	8431.0	5647.2
75°	936.8	966.1	1675.6	3539.7	7321.9	11190.2	11229.0	10767.8	8203.7	4637.5	2351.9
77.5°	357.1	348.6	557.9	1304.3	3701.7	7046.2	7284.0	6728.9	4305.0	1639.6	542.7
80°	192.3	193.2	289.8	539.9	1583.7	3621.1	3821.9	3261.2	1529.7	511.5	125.0
82.5°	83.4	87.1	162.9	286.1	727.4	1335.6	1436.0	1195.4	584.4	343.8	46.4
85°	18.0	19.9	78.6	155.3	296.5	375.1	393.1	387.4	372.2	267.1	18.0
87.5°	0.0	0.0	35.0	55.9	74.8	85.2	74.8	97.6	205.5	180.0	9.5
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°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2
2.5°	2026.1	2009.0	1979.6	1947.4	1924.7	1901.0	1882.1	1873.6	1864.1	1857.5	1866.0
5°	2022.3	1989.1	1932.3	1877.3	1837.6	1805.4	1778.8	1768.4	1758.0	1750.4	1749.5
7.5°	2055.4	2009.0	1921.9	1841.4	1779.8	1736.2	1700.2	1685.1	1672.8	1667.1	1662.3
10°	2118.9	2059.2	1942.7	1837.6	1758.0	1684.1	1606.5	1546.8	1507.9	1489.9	1483.3
12.5°	2201.3	2126.5	1982.5	1857.5	1741.9	1599.8	1435.0	1292.9	1201.0	1170.7	1152.7
15°	2297.9	2205.1	2034.6	1883.0	1683.2	1423.6	1144.2	958.6	873.3	856.3	837.3
17.5°	2390.7	2288.4	2097.1	1887.8	1554.4	1137.6	838.3	712.3	679.1	690.5	693.3
20°	2472.2	2370.8	2158.7	1846.1	1320.4	853.4	648.8	617.6	629.9	651.7	655.5
22.5°	2554.6	2450.4	2215.5	1736.2	1021.1	647.9	584.4	592.0	604.3	626.1	629.9
25°	2655.0	2547.0	2268.5	1534.5	766.3	551.3	555.1	566.4	578.7	598.6	600.5
27.5°	2770.6	2669.2	2303.6	1272.1	568.3	506.8	519.1	536.1	548.4	567.4	571.2
30°	2924.0	2830.2	2315.0	1000.2	476.4	467.0	472.7	493.5	511.5	528.5	531.4
32.5°	3068.0	2989.4	2277.1	754.9	441.4	430.0	430.0	442.3	463.2	479.3	483.1
35°	3200.6	3149.4	2155.8	552.2	414.9	395.9	386.5	386.5	399.7	413.0	416.8
37.5°	3375.8	3373.9	1959.8	440.4	389.3	367.5	347.6	332.5	327.7	330.6	332.5
40°	3676.1	3678.9	1704.0	395.0	367.5	338.2	307.8	280.4	254.8	246.3	245.3
42.5°	4144.9	4102.3	1436.0	373.2	348.6	307.8	262.4	225.4	185.7	173.3	172.4
45°	4889.4	4636.5	1151.8	353.3	328.7	273.7	216.9	166.7	134.5	125.0	125.0
47.5°	5974.0	5338.4	892.3	331.5	302.2	234.9	163.9	120.3	98.5	93.8	94.7
50°	7095.5	6026.1	683.9	304.1	270.0	194.2	121.2	87.1	74.8	74.8	75.8
52.5°	8090.0	6530.0	533.3	274.7	230.2	152.5	91.9	68.2	62.5	61.6	62.5
55°	9021.1	6854.9	408.2	240.6	182.8	113.7	70.1	55.9	52.1	50.2	49.3
57.5°	9919.1	7015.9	305.9	194.2	132.6	82.4	55.9	47.4	43.6	40.7	39.8
60°	10516.8	6885.2	210.3	143.0	91.9	59.7	46.4	40.7	36.0	33.2	32.2
62.5°	10854.0	6528.1	135.4	103.2	65.4	44.5	36.9	34.1	27.5	24.6	24.6
65°	10717.6	5938.9	94.7	73.9	47.4	33.2	27.5	27.5	19.9	16.1	15.2
67.5°	9497.6	5017.3	72.0	54.9	34.1	24.6	20.8	23.7	12.3	7.6	7.6
69°	8171.5	4158.2	61.6	45.5	28.4	19.9	18.0	21.8	8.5	5.7	4.7
70°	7102.1	3587.0	55.9	39.8	23.7	17.0	16.1	20.8	8.5	4.7	3.8
72.5°	4249.1	2000.5	42.6	28.4	15.2	13.3	13.3	23.7	8.5	4.7	3.8
75°	1717.3	704.7	31.3	19.9	11.4	11.4	16.1	30.3	7.6	3.8	2.8
77.5°	389.3	154.4	18.0	12.3	7.6	11.4	18.9	23.7	4.7	1.9	0.0
80°	94.7	37.9	11.4	7.6	4.7	8.5	14.2	13.3	0.9	0.0	0.0
82.5°	31.3	13.3	4.7	3.8	0.9	2.8	6.6	3.8	0.0	0.0	0.0
85°	13.3	7.6	1.9	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0
87.5°	8.5	2.8	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)