

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: P323807

Luminaire Tested: **GAN-SA3C-730-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3C-730-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15961 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

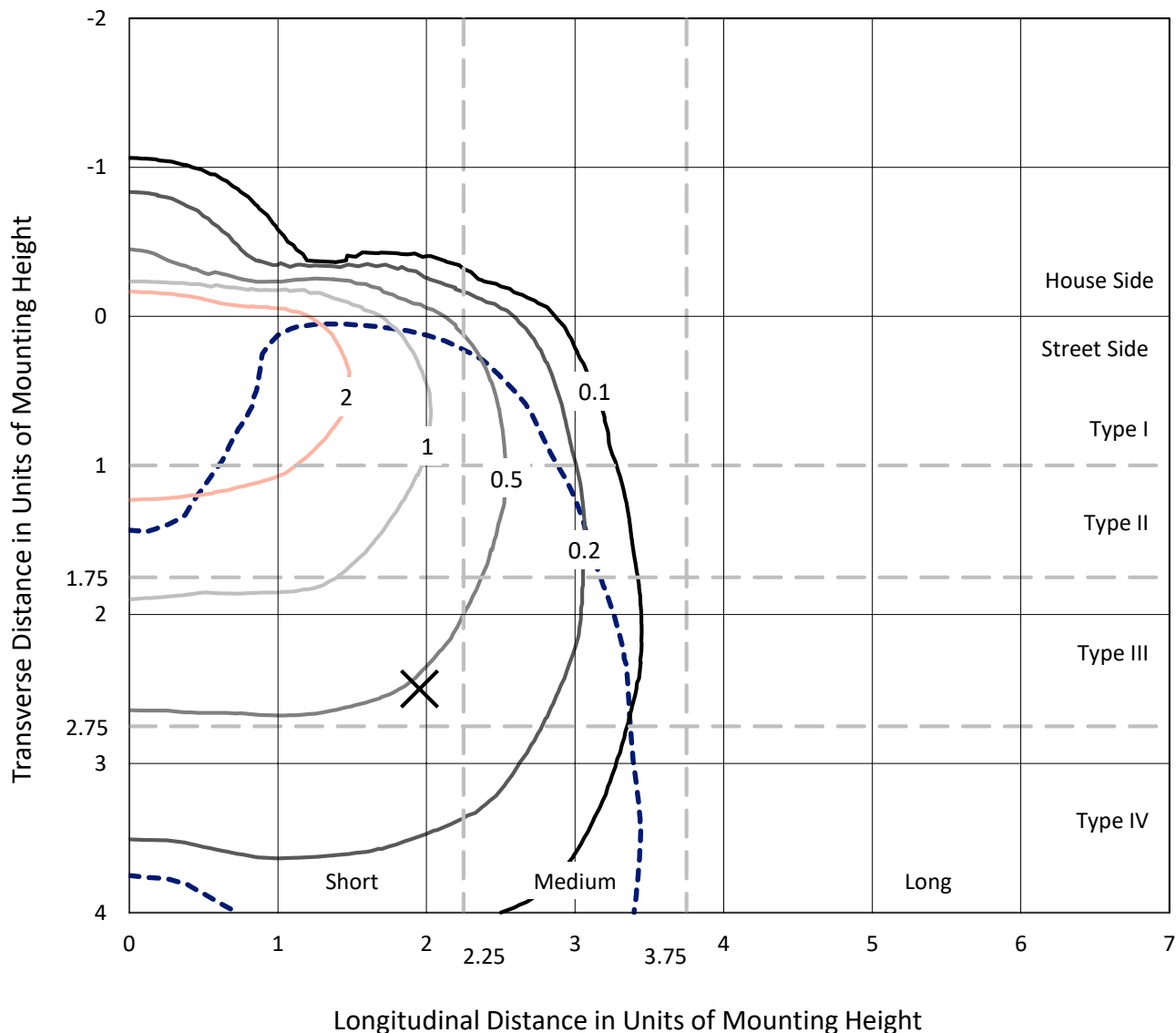
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323807  
 CATALOG NUMBER: GAN-SA3C-730-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

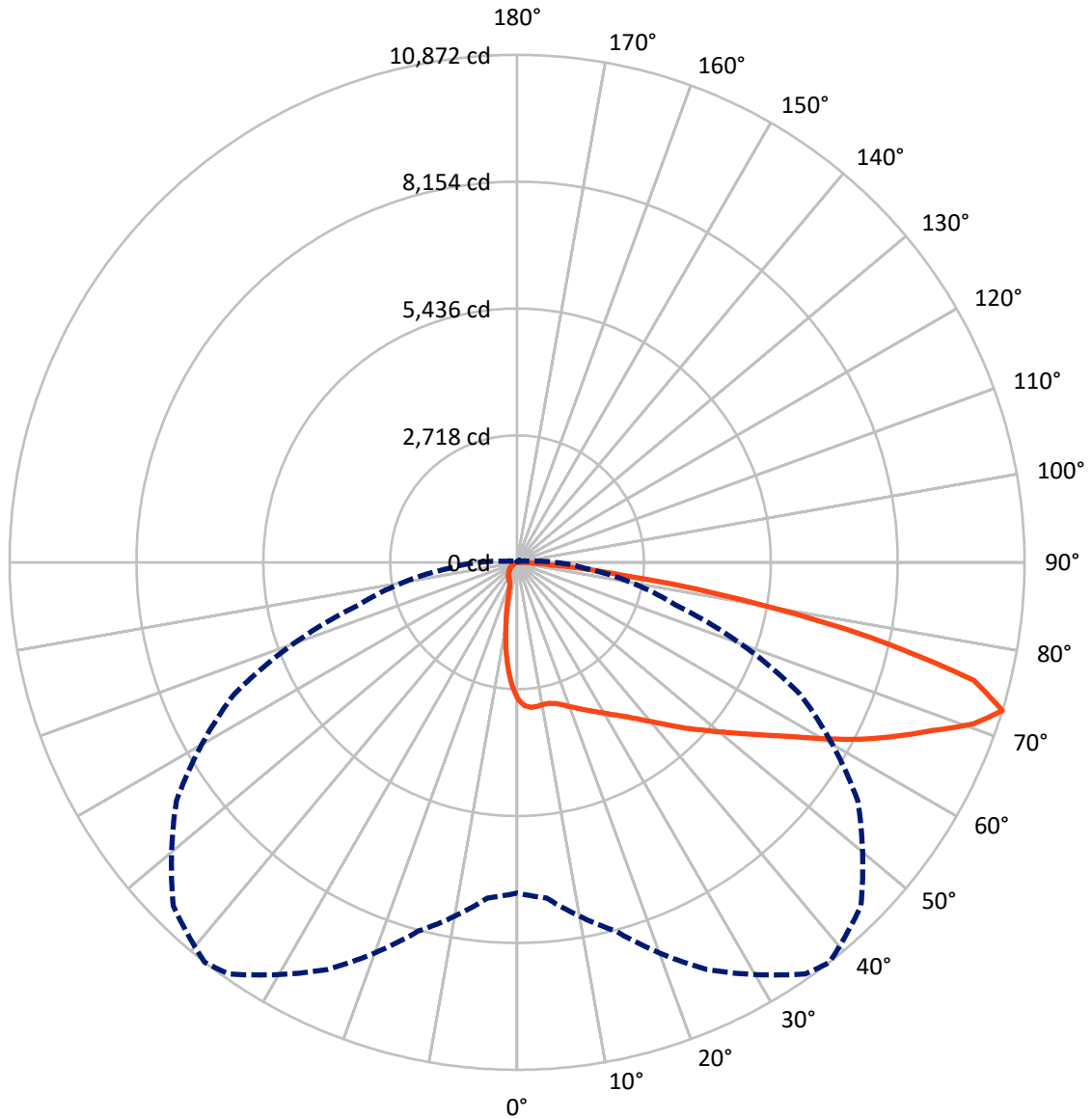
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P323807  
CATALOG NUMBER: GAN-SA3C-730-U-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P323807  
 CATALOG NUMBER: GAN-SA3C-730-U-SL4-HSS

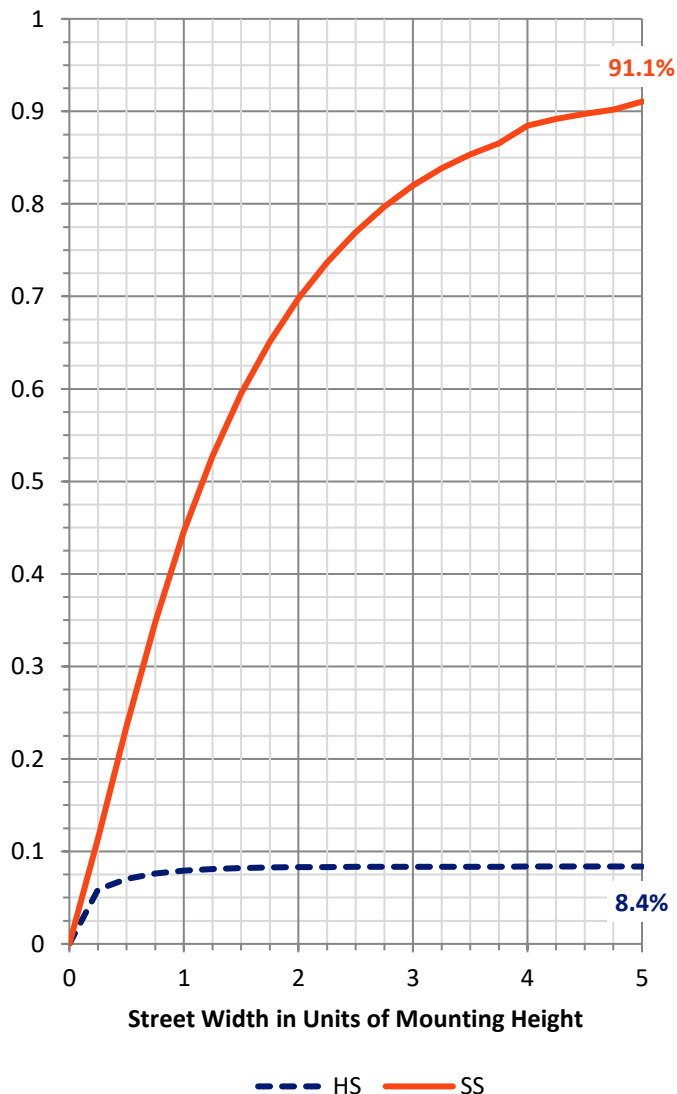
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1343.2	0.0	1343.2
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	14617.8	0.0	14617.8
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	15961.0	0.0	15961.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.1	1.6
10°-20°	611.6	3.8
20°-30°	972.8	6.1
30°-40°	1462.5	9.2
40°-50°	2231.1	14.0
50°-60°	3153.3	19.8
60°-70°	3955.3	24.8
70°-80°	2957.5	18.5
80°-90°	366.7	2.3
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°	15961.0	100.0
0°-180°	15961.0	100.0

**Coefficient of Utilization**



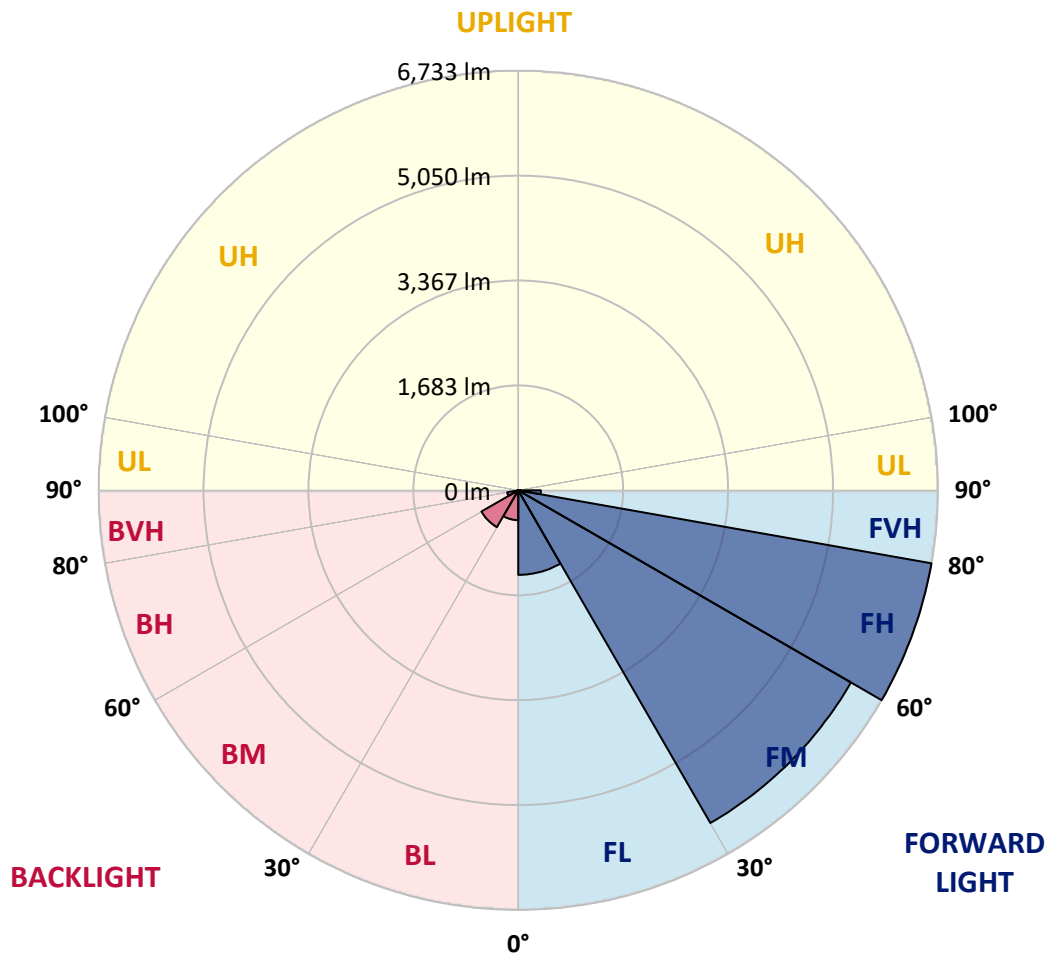
REPORT NUMBER: P323807  
 CATALOG NUMBER: GAN-SA3C-730-U-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1356.3	8.5			
FM (30°-60°)	6164.8	38.6			
FH (60°-80°)	6733.4	42.2			G3/7500
FVH (80°-90°)	363.3	2.3			G3/500
BL (0°-30°)	478.3	3.0	B1/500		
BM (30°-60°)	682.1	4.3	B1/1000		
BH (60°-80°)	179.4	1.1	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





REPORT NUMBER: P323807

CATALOG NUMBER: GAN-SA3C-730-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2
2.5°	3115.5	3116.1	3108.8	3096.9	3081.7	3073.7	3060.5	3039.2	3016.7	2976.3	2932.5
5°	3179.1	3179.1	3169.8	3153.9	3129.4	3122.1	3096.9	3063.1	3016.7	2951.1	2877.5
7.5°	3172.5	3173.8	3161.2	3144.6	3120.1	3113.5	3083.0	3045.2	2987.5	2908.0	2813.9
10°	3138.0	3141.3	3131.4	3123.4	3100.9	3093.6	3065.1	3027.3	2969.6	2884.8	2776.8
12.5°	3102.9	3106.2	3109.5	3116.8	3102.9	3100.2	3077.7	3045.9	2990.9	2902.7	2780.7
15°	3080.3	3087.0	3110.8	3139.3	3142.7	3140.0	3125.4	3095.6	3039.9	2948.4	2809.2
17.5°	3080.3	3090.9	3140.7	3195.0	3214.2	3216.2	3203.6	3161.9	3095.6	2997.5	2835.7
20°	3106.2	3120.8	3198.3	3275.2	3307.0	3307.0	3282.5	3224.2	3146.6	3041.9	2853.6
22.5°	3172.5	3191.7	3289.1	3378.0	3411.8	3404.5	3371.3	3286.5	3199.7	3092.3	2876.2
25°	3303.1	3317.6	3419.1	3508.6	3529.1	3512.5	3470.8	3362.1	3267.3	3160.6	2917.3
27.5°	3471.4	3473.4	3578.2	3653.7	3641.1	3629.9	3577.5	3456.9	3364.7	3258.0	2988.2
30°	3656.4	3656.4	3748.5	3806.2	3767.7	3758.5	3706.1	3571.5	3489.3	3390.6	3089.0
32.5°	3835.3	3843.3	3918.2	3954.7	3911.6	3902.3	3851.3	3716.7	3655.0	3592.7	3246.1
35°	4008.4	4014.3	4085.2	4105.1	4064.0	4066.7	4030.2	3916.2	3893.0	3885.1	3482.7
37.5°	4176.1	4177.4	4249.6	4262.2	4241.7	4264.2	4267.5	4166.8	4209.9	4274.2	3816.1
40°	4329.2	4330.5	4402.1	4434.6	4469.7	4498.9	4524.7	4471.0	4613.6	4762.7	4213.2
42.5°	4451.8	4465.7	4556.5	4618.2	4711.0	4766.7	4836.9	4834.3	5094.1	5318.2	4693.1
45°	4559.9	4583.7	4710.3	4818.4	4977.5	5066.3	5176.3	5262.5	5635.0	5936.6	5179.0
47.5°	4702.4	4724.9	4869.4	5046.4	5258.5	5375.2	5557.5	5743.7	6229.6	6543.8	5653.6
50°	4903.2	4893.3	5035.8	5289.7	5562.1	5715.2	5975.1	6254.2	6819.6	7072.8	5932.7
52.5°	5117.3	5113.4	5218.8	5554.2	5920.1	6099.0	6442.4	6781.8	7383.7	7437.4	6060.6
55°	5382.5	5354.0	5442.8	5855.8	6345.0	6537.2	6941.5	7304.1	7833.1	7642.9	6124.9
57.5°	5660.2	5613.2	5698.0	6191.8	6824.2	7051.6	7494.4	7813.2	8132.1	7783.4	6124.2
60°	5947.2	5891.6	5992.3	6612.1	7419.5	7682.6	8093.6	8157.2	8411.1	7854.3	6079.2
62.5°	6187.2	6154.1	6303.9	7061.5	8084.3	8342.8	8546.3	8470.1	8646.4	7909.3	5973.8
65°	6441.1	6443.1	6685.0	7585.9	8790.9	8965.3	8982.5	8875.8	8843.3	7898.1	5617.1
67.5°	6784.4	6816.3	7219.9	8297.8	9478.3	9612.9	9611.6	9315.3	8987.2	7450.0	4826.3
70°	7147.7	7222.6	7836.4	9112.4	10228.7	10365.3	10295.0	9595.0	8462.2	6024.1	3415.8
72.5°	7086.7	7216.6	8179.1	9626.2	10767.6	10871.7	10415.0	8907.6	6688.3	3501.3	1454.3
75°	5467.3	5617.8	7499.7	9117.1	10202.2	10108.7	8948.7	6931.6	3655.0	977.1	327.5
77.5°	2888.1	2968.3	4954.3	6945.5	7955.1	7759.5	6303.9	3845.3	1114.3	241.9	147.2
80°	1512.7	1531.2	2159.0	3940.7	4909.9	4911.2	3735.9	1689.0	459.4	124.0	98.8
82.5°	810.0	825.9	1140.8	1820.9	2572.6	2332.0	1430.5	929.3	267.1	70.3	94.8
85°	194.9	198.2	647.0	831.9	1011.5	722.5	424.9	780.2	72.3	41.1	76.9
87.5°	74.9	76.2	240.0	359.9	257.9	167.0	198.9	291.0	9.3	15.9	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P323807  
 CATALOG NUMBER: GAN-SA3C-730-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2	2935.2
2.5°	2906.0	2888.8	2846.4	2792.7	2744.9	2710.5	2658.8	2625.0	2602.4	2601.8	2593.1
5°	2832.4	2797.3	2705.8	2597.1	2498.3	2409.5	2304.8	2221.9	2160.3	2150.3	2129.1
7.5°	2753.5	2695.9	2555.4	2385.7	2219.9	2051.6	1856.0	1734.7	1630.7	1580.9	1575.6
10°	2705.2	2624.3	2424.8	2179.5	1919.7	1645.9	1390.0	1213.0	1085.1	1048.7	1021.5
12.5°	2695.2	2588.5	2324.0	1985.9	1614.7	1252.8	969.8	781.5	679.4	647.0	638.3
15°	2705.2	2571.9	2239.2	1794.4	1305.8	888.9	650.9	541.6	503.1	493.8	493.2
17.5°	2711.1	2552.0	2143.0	1581.6	1006.2	635.0	498.5	466.7	460.7	460.0	461.4
20°	2710.5	2521.5	2028.4	1344.3	748.4	499.1	450.7	444.1	442.8	443.5	442.8
22.5°	2705.8	2485.8	1902.4	1099.7	565.4	446.1	430.2	426.2	425.6	425.6	425.6
25°	2714.4	2457.2	1763.9	865.7	466.0	421.6	411.6	408.3	407.7	407.7	406.3
27.5°	2745.6	2441.3	1612.1	666.2	420.9	399.7	391.8	391.1	389.1	388.4	389.8
30°	2796.0	2441.3	1445.7	518.4	393.7	377.2	371.2	369.9	369.2	368.6	369.2
32.5°	2884.8	2459.9	1264.1	430.9	367.9	352.0	348.0	350.0	348.0	348.0	348.0
35°	3045.2	2515.6	1073.8	375.8	340.7	327.5	323.5	326.1	324.8	324.8	324.1
37.5°	3279.2	2619.0	882.3	342.7	316.9	302.9	297.6	301.6	300.3	300.3	299.6
40°	3564.2	2769.5	700.0	317.5	293.7	279.1	274.4	276.4	273.1	273.1	274.4
42.5°	3916.2	2960.4	540.9	293.0	270.4	256.5	253.9	251.9	245.9	242.6	243.3
45°	4307.3	3159.2	421.6	269.1	248.6	237.3	233.3	228.0	218.1	211.5	212.1
47.5°	4656.6	3312.3	342.7	245.9	228.7	220.1	214.1	204.2	189.6	181.6	182.3
50°	4840.3	3335.5	291.7	222.7	210.1	201.5	192.9	177.6	160.4	151.8	151.1
52.5°	4887.3	3226.8	253.9	201.5	191.6	181.6	170.4	149.8	130.6	121.3	120.0
55°	4904.6	3061.1	220.1	181.6	171.7	160.4	145.8	122.6	104.7	95.5	94.8
57.5°	4847.5	2813.9	193.6	163.7	151.8	137.9	120.0	98.1	80.9	73.6	73.6
60°	4720.9	2479.1	173.0	144.5	131.2	115.3	96.8	76.2	60.3	54.4	54.4
62.5°	4468.4	2045.6	153.8	124.6	112.0	95.5	78.2	57.7	42.4	39.1	39.8
65°	3991.8	1551.8	134.6	106.7	95.5	78.9	61.0	41.1	28.5	28.5	29.8
67.5°	3255.3	1077.8	114.7	90.8	82.2	64.3	46.4	28.5	19.9	22.5	25.2
70°	2155.0	604.5	98.1	74.9	70.3	51.0	34.5	19.2	15.9	21.2	25.9
72.5°	813.3	235.3	82.2	60.3	61.0	39.1	24.5	14.6	14.6	23.2	30.5
75°	226.7	115.3	59.0	44.4	47.7	28.5	17.9	12.6	13.9	26.5	35.8
77.5°	133.2	84.8	38.4	25.9	32.5	19.9	11.9	9.9	11.9	22.5	34.5
80°	107.4	45.1	22.5	13.3	17.9	11.3	8.0	6.0	3.3	8.6	17.9
82.5°	107.4	27.2	10.6	9.3	9.3	6.0	4.0	2.7	0.7	0.0	4.6
85°	72.3	11.3	6.6	6.0	4.6	2.0	1.3	0.7	0.0	0.0	0.0
87.5°	11.9	4.6	2.7	1.3	0.7	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)