

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: P324470

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324470  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6A-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20660 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

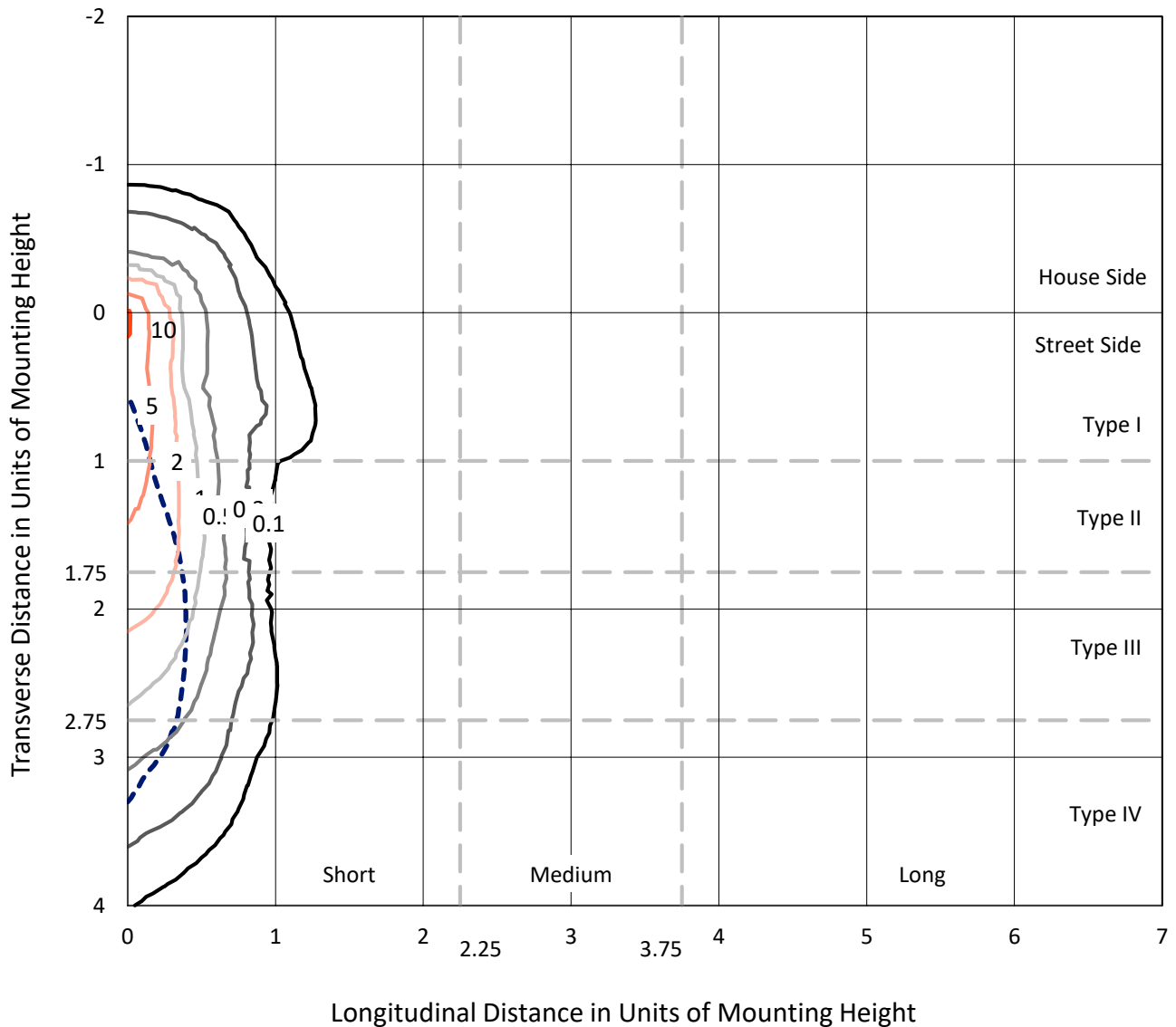
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

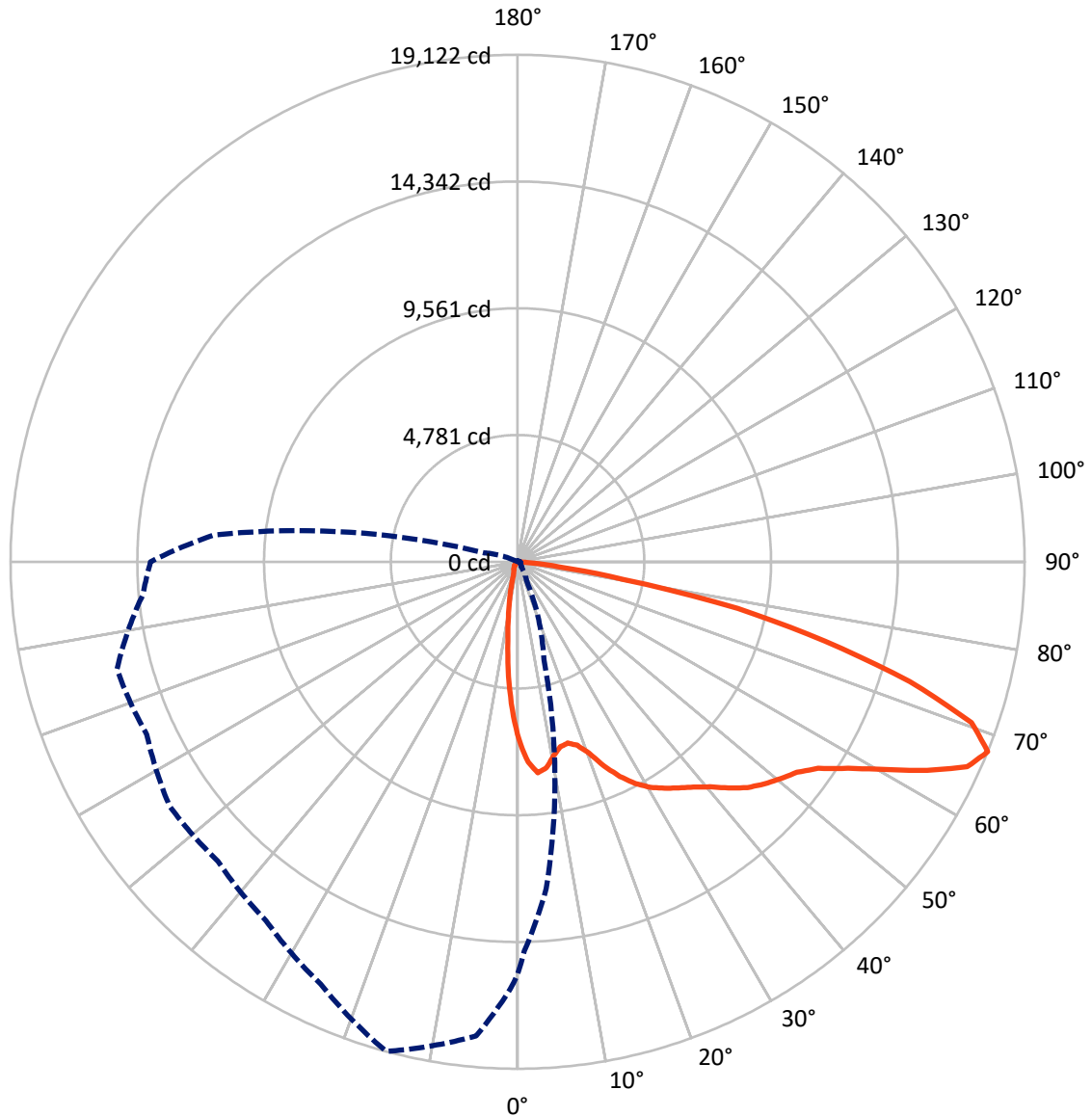
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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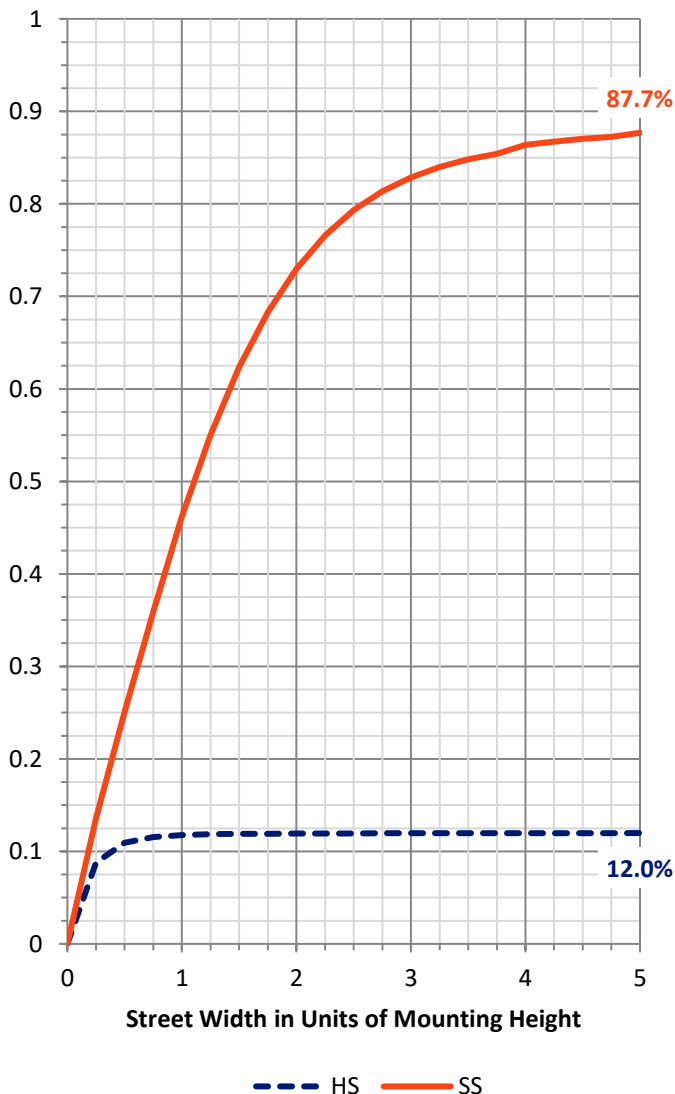
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2500.5	0.0	2500.5
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	18159.5	0.0	18159.5
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	20660.0	0.0	20660.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	516.5	2.5
10°-20°	1028.1	5.0
20°-30°	1459.9	7.1
30°-40°	2156.4	10.4
40°-50°	3110.0	15.1
50°-60°	4365.8	21.1
60°-70°	5089.3	24.6
70°-80°	2601.7	12.6
80°-90°	332.3	1.6
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°	20660.0	100.0
0°-180°	20660.0	100.0

**Coefficient of Utilization**

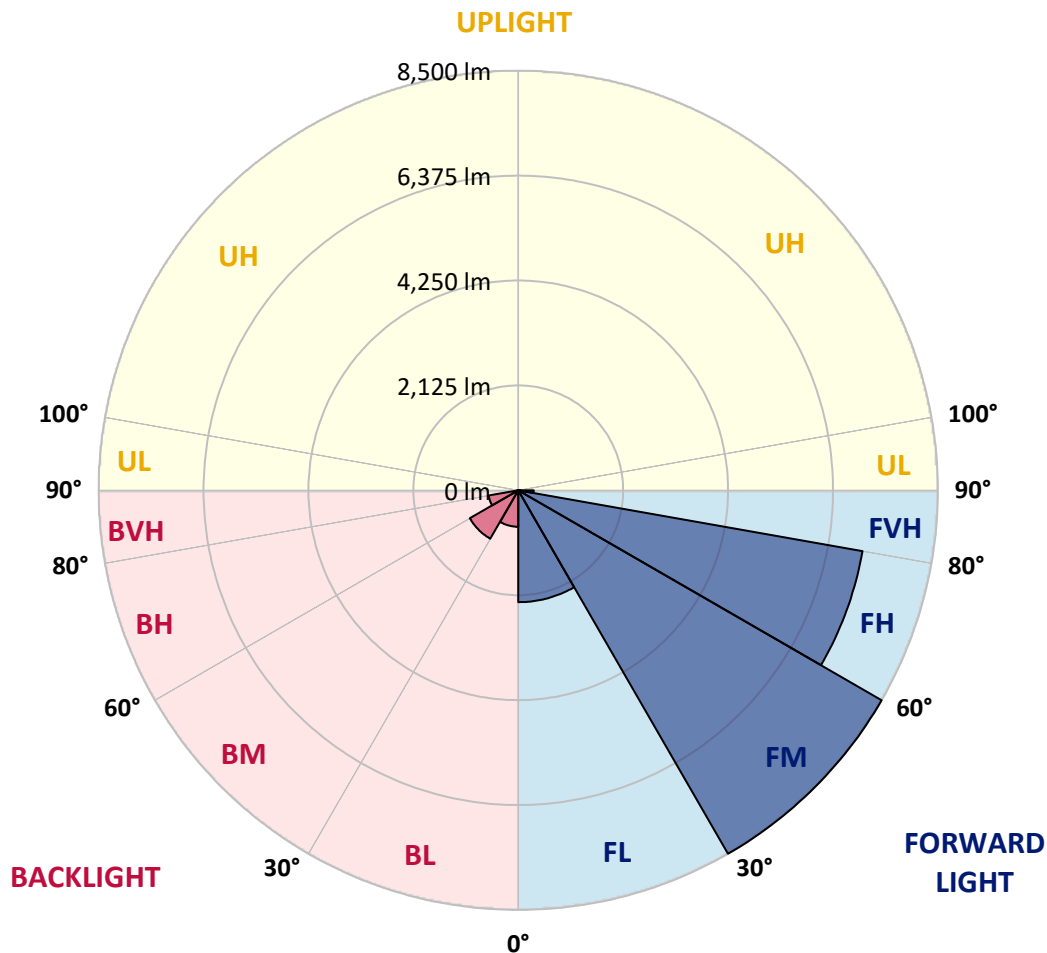


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2266.0	11.0			
FM (30°-60°)	8499.9	41.1			
FH (60°-80°)	7081.5	34.3			G3/7500
FVH (80°-90°)	312.1	1.5			G3/500
BL (0°-30°)	738.6	3.6	B2/1000		
BM (30°-60°)	1132.3	5.5	B2/2500		
BH (60°-80°)	609.5	2.9	B2/1000		G2/1000
BVH (80°-90°)	20.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0
2.5°	7369.1	7312.3	7249.7	7045.1	6855.2	6638.0	6460.8	6337.5	6182.8	5982.2	5931.3
5°	7316.2	7255.6	7058.8	6603.7	6205.3	5817.8	5443.9	5224.6	4952.5	4676.5	4608.0
7.5°	6784.8	6721.1	6437.3	5813.8	5277.5	4717.6	4232.2	3931.7	3624.3	3371.8	3237.7
10°	6231.8	6162.3	5843.2	5086.6	4426.0	3919.9	3563.7	3276.9	2986.2	2716.1	2500.7
12.5°	5851.0	5760.0	5413.5	4556.1	3980.6	3637.1	3304.3	2960.8	2567.3	2277.6	2040.7
15°	5691.5	5587.7	5221.7	4351.6	3823.0	3419.8	2986.2	2564.4	2103.4	1771.6	1554.3
17.5°	5814.8	5679.7	5287.3	4337.9	3625.3	3076.2	2528.1	2032.9	1532.7	1197.0	1042.4
20°	6233.7	6056.6	5558.4	4334.0	3385.5	2668.1	1973.2	1413.3	1010.1	812.4	731.1
22.5°	6893.4	6659.5	5947.9	4365.3	3137.9	2239.4	1425.1	960.2	758.5	655.8	607.8
25°	7690.1	7419.0	6508.8	4475.9	2920.6	1822.5	1035.5	758.5	640.1	564.7	524.6
27.5°	8447.7	8227.5	7217.4	4635.4	2752.3	1485.8	840.8	643.0	547.1	497.2	464.9
30°	9204.3	8927.3	7944.6	4825.3	2549.7	1257.7	739.0	586.3	490.4	437.5	417.0
32.5°	9754.3	9524.3	8514.2	4962.3	2333.4	1108.9	660.7	536.4	458.1	404.2	373.9
35°	10401.3	10140.9	9002.6	4992.7	2194.4	1015.0	594.1	482.5	397.4	349.4	317.1
37.5°	11100.1	10776.2	9566.4	4926.1	2085.7	969.0	544.2	458.1	371.0	322.0	287.8
40°	11873.3	11507.3	10107.7	4830.2	1979.1	953.3	506.0	439.5	350.4	300.5	265.2
42.5°	12687.7	12256.0	10576.5	4729.4	1911.5	899.5	502.1	420.9	334.7	280.9	245.7
45°	13371.8	12934.3	11058.0	4696.1	1863.6	840.8	518.7	408.1	324.0	265.2	231.0
47.5°	13917.0	13503.0	11551.3	4770.5	1836.2	786.9	472.7	424.8	318.1	251.5	218.3
50°	14567.9	14099.0	12246.3	4992.7	1796.0	733.1	427.7	486.4	318.1	242.7	207.5
52.5°	15384.2	14920.2	13021.4	5337.2	1715.8	658.7	384.7	487.4	321.0	231.0	193.8
55°	16410.9	16074.2	14128.4	5715.0	1587.5	549.1	332.8	418.9	309.3	209.5	181.1
57.5°	17395.5	17120.5	15137.5	5973.4	1416.3	428.7	289.7	337.7	282.9	184.0	161.5
59°	17664.7	17364.2	15507.5	5985.1	1288.0	373.9	268.2	278.9	277.0	172.3	149.8
60°	17664.7	17345.6	15614.2	5922.5	1195.1	343.5	254.5	248.6	288.7	164.4	142.9
62.5°	17344.6	16896.3	15267.7	5498.7	974.8	292.6	222.2	205.5	259.4	147.8	126.3
65°	16679.1	16026.2	14087.3	4732.3	869.1	268.2	191.8	168.3	180.1	130.2	110.6
67.5°	15569.1	14684.3	12385.2	3823.0	827.1	261.3	165.4	142.9	136.0	111.6	96.9
70°	13614.6	12632.9	10319.1	3005.8	790.8	258.4	139.0	120.4	109.6	94.0	82.2
72.5°	9909.0	8885.2	7326.0	2350.0	769.3	264.3	111.6	100.8	90.0	73.4	63.6
75°	5668.0	4997.6	4117.6	1552.3	655.8	252.5	86.1	84.2	64.6	52.9	44.0
77.5°	2928.5	2839.4	2467.5	596.1	314.2	110.6	56.8	48.9	38.2	32.3	26.4
80°	1263.6	1249.9	1081.5	172.3	83.2	61.7	32.3	20.6	17.6	13.7	10.8
82.5°	436.5	436.5	384.7	57.7	37.2	30.3	3.9	0.0	0.0	0.0	0.0
85°	88.1	98.9	69.5	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0
2.5°	5869.6	5751.2	5743.4	5669.0	5576.0	5533.9	5509.4	5552.5	5605.4	5611.2	5690.5
5°	4556.1	4431.8	4483.7	4351.6	4378.0	4351.6	4308.5	4316.3	4339.8	4266.4	4357.4
7.5°	3199.6	3105.6	3165.3	3130.1	3177.1	3195.7	3169.2	3130.1	3014.6	3000.9	3080.2
10°	2411.7	2305.0	2241.4	2174.8	2189.5	2219.8	2210.0	2181.7	2108.2	2112.2	2188.5
12.5°	1937.9	1818.5	1692.3	1528.8	1488.7	1511.2	1488.7	1472.1	1401.6	1407.5	1475.0
15°	1470.1	1372.2	1240.1	1108.9	1037.5	1044.3	981.7	937.7	893.6	840.8	881.9
17.5°	992.5	932.8	893.6	854.5	769.3	749.7	670.5	585.3	552.0	527.6	545.2
20°	702.7	670.5	654.8	652.8	603.9	579.4	502.1	449.3	432.6	427.7	438.5
22.5°	587.3	563.8	541.3	528.5	504.1	475.7	417.0	390.5	378.8	372.9	380.7
25°	510.9	493.3	469.8	448.3	438.5	408.1	366.1	346.5	338.7	332.8	336.7
27.5°	454.1	438.5	411.1	397.4	389.5	363.1	326.9	311.2	304.4	302.4	301.5
30°	409.1	394.4	369.0	353.3	339.6	316.1	294.6	278.9	272.1	270.1	268.2
32.5°	364.1	352.4	335.7	320.1	305.4	283.8	265.2	252.5	241.8	239.8	238.8
35°	307.3	295.6	286.8	285.8	272.1	251.5	237.8	221.2	212.4	209.5	210.4
37.5°	273.1	257.4	237.8	244.7	240.8	226.1	207.5	190.9	182.0	180.1	180.1
40°	251.5	234.9	212.4	200.6	212.4	209.5	180.1	163.5	154.6	153.7	151.7
42.5°	231.0	214.3	188.9	169.3	175.2	184.0	155.6	140.0	131.2	129.2	126.3
45°	216.3	198.7	170.3	147.8	136.0	154.6	133.1	113.5	108.6	104.7	102.8
47.5°	202.6	186.0	153.7	128.2	108.6	111.6	106.7	93.0	87.1	83.2	82.2
50°	190.9	173.2	139.0	109.6	90.0	82.2	86.1	73.4	68.5	64.6	62.6
52.5°	177.2	160.5	123.3	94.9	75.4	64.6	65.6	57.7	52.9	49.9	48.9
55°	166.4	149.8	110.6	83.2	66.6	52.9	47.0	45.0	42.1	40.1	39.2
57.5°	151.7	136.0	97.9	70.5	56.8	43.1	36.2	36.2	35.2	33.3	32.3
59°	142.9	129.2	90.0	63.6	51.9	37.2	32.3	33.3	32.3	30.3	29.4
60°	136.0	123.3	84.2	58.7	48.9	34.3	29.4	31.3	30.3	28.4	27.4
62.5°	120.4	111.6	72.4	48.9	43.1	27.4	24.5	26.4	26.4	25.4	24.5
65°	105.7	95.9	61.7	41.1	40.1	23.5	19.6	23.5	24.5	22.5	20.6
67.5°	92.0	82.2	53.8	33.3	37.2	18.6	14.7	19.6	26.4	20.6	18.6
70°	78.3	68.5	42.1	26.4	39.2	12.7	11.7	17.6	31.3	22.5	17.6
72.5°	60.7	52.9	29.4	19.6	42.1	8.8	8.8	14.7	35.2	24.5	16.6
75°	42.1	34.3	17.6	11.7	34.3	5.9	5.9	13.7	33.3	22.5	15.7
77.5°	24.5	18.6	5.9	1.0	17.6	0.0	1.0	9.8	23.5	13.7	6.9
80°	8.8	3.9	0.0	0.0	10.8	0.0	0.0	0.0	2.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0
2.5°	5711.1	5843.2	5961.6	6140.7	6353.1	6597.8	6808.3	7034.4	7246.7	7334.8	7395.5
5°	4376.0	4539.5	4730.3	4993.6	5344.0	5775.7	6179.9	6637.0	7128.3	7374.0	7605.0
7.5°	3093.9	3260.3	3497.1	3777.0	4200.8	4714.7	5243.2	5874.5	6540.1	6928.6	7311.3
10°	2224.7	2429.3	2650.5	3033.2	3463.8	3951.3	4495.4	5200.2	5942.1	6372.7	6833.7
12.5°	1514.1	1747.1	2081.8	2510.5	3016.5	3494.2	3966.9	4639.3	5500.6	5927.4	6421.6
15°	908.3	1037.5	1391.8	1888.0	2508.6	3103.6	3621.4	4295.8	5213.9	5736.5	6250.4
17.5°	559.9	619.6	812.4	1219.5	1871.4	2624.1	3333.7	4179.3	5255.0	5891.2	6441.2
20°	446.3	469.8	531.5	720.4	1240.1	2095.5	3009.7	4155.8	5590.7	6373.7	6963.9
22.5°	387.6	410.1	451.2	523.6	780.1	1569.0	2702.4	4177.3	6072.2	7097.0	7786.0
25°	341.6	361.2	400.3	460.0	571.6	1105.0	2373.5	4273.3	6699.6	7994.5	8726.6
27.5°	305.4	322.0	358.2	413.0	490.4	771.3	2000.6	4389.7	7443.5	8912.6	9634.9
30°	272.1	286.8	319.1	370.0	425.8	593.1	1591.5	4469.0	8188.3	9634.9	10283.8
32.5°	243.7	254.5	283.8	326.9	370.0	472.7	1209.7	4456.3	8741.3	10235.9	10750.7
35°	214.3	225.1	250.6	287.8	322.0	390.5	951.4	4218.5	9222.9	10859.3	11285.1
37.5°	182.0	195.8	220.2	253.5	277.0	343.5	769.3	3931.7	9711.3	11571.9	11881.2
40°	154.6	168.3	189.9	226.1	240.8	325.9	591.2	3582.3	10260.3	12368.6	12535.0
42.5°	128.2	140.9	163.5	194.8	227.1	280.9	437.5	3182.9	10787.9	13049.8	13131.0
45°	103.7	116.5	140.0	171.3	242.7	232.9	338.7	2755.2	11213.7	13616.5	13642.9
47.5°	82.2	94.0	118.4	161.5	226.1	186.0	241.8	2419.5	11570.9	14058.9	13989.4
50°	63.6	73.4	98.9	185.0	197.7	153.7	183.0	2307.9	11891.0	14333.0	14152.9
52.5°	49.9	58.7	81.2	173.2	153.7	127.2	153.7	2412.6	12329.4	14560.0	14244.9
55°	40.1	48.9	63.6	98.9	104.7	107.7	131.2	2510.5	13086.0	15092.5	14788.1
57.5°	33.3	42.1	51.9	69.5	79.3	91.0	116.5	2521.3	13977.7	15977.3	15689.5
59°	30.3	38.2	47.0	61.7	69.5	83.2	109.6	2462.6	14291.9	16299.3	16155.4
60°	28.4	36.2	44.0	56.8	64.6	78.3	105.7	2406.8	14305.6	16287.6	16354.1
62.5°	24.5	32.3	39.2	48.0	54.8	66.6	94.9	2200.3	13726.1	15754.1	16234.7
65°	21.5	28.4	35.2	41.1	47.0	59.7	86.1	1823.4	12736.6	14893.8	15417.4
67.5°	19.6	24.5	32.3	36.2	42.1	52.9	76.3	1299.8	11500.4	13841.6	14181.3
70°	17.6	23.5	29.4	33.3	38.2	46.0	65.6	746.8	9711.3	12301.1	12542.8
72.5°	16.6	22.5	26.4	31.3	34.3	41.1	59.7	351.4	7110.7	9854.2	10485.5
75°	14.7	20.6	24.5	29.4	32.3	37.2	50.9	168.3	4729.4	7131.2	7848.7
77.5°	8.8	16.6	22.5	26.4	28.4	32.3	42.1	96.9	3018.5	4935.9	5813.8
80°	0.0	5.9	16.6	22.5	24.5	27.4	32.3	76.3	1615.0	2819.8	3384.6
82.5°	0.0	0.0	11.7	17.6	16.6	18.6	24.5	48.0	728.2	1843.0	2076.9
85°	0.0	0.0	3.9	13.7	11.7	8.8	16.6	16.6	159.5	932.8	1163.7
87.5°	0.0	0.0	0.0	1.0	5.9	3.9	6.9	2.0	1.0	69.5	281.9
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0
2.5°	7607.9	7680.3	7802.7	7860.4	7832.0	7711.7	7567.8	7421.0	7334.8	7369.1
5°	8075.8	8448.7	8664.0	8735.4	8616.0	8345.9	7992.6	7526.7	7361.3	7316.2
7.5°	8075.8	8777.5	9221.9	9300.2	9034.0	8504.4	7841.8	7114.6	6872.9	6784.8
10°	7791.9	8747.2	9366.7	9491.0	9119.1	8327.3	7439.6	6609.6	6322.8	6231.8
12.5°	7471.9	8500.5	9153.4	9324.7	9019.3	8151.1	7160.6	6268.0	5930.3	5851.0
15°	7275.1	8197.1	8737.4	8861.7	8732.5	8048.3	7094.1	6165.2	5767.8	5691.5
17.5°	7345.6	7962.2	8157.0	8229.4	8316.5	8012.1	7275.1	6390.3	5887.2	5814.8
20°	7610.8	7714.6	7613.8	7704.8	7939.7	8047.4	7706.8	6934.5	6330.6	6233.7
22.5°	8061.1	7586.4	7303.5	7339.7	7625.5	8163.8	8366.4	7711.7	7014.8	6893.4
25°	8585.7	7690.1	7131.2	7098.9	7392.6	8317.5	8969.4	8557.3	7824.2	7690.1
27.5°	9245.4	7923.1	7096.0	7063.7	7311.3	8461.4	9470.5	9393.2	8676.7	8447.7
30°	9754.3	8152.1	7200.7	7126.4	7392.6	8561.2	9872.8	10102.8	9356.0	9204.3
32.5°	10119.4	8422.2	7371.0	7263.4	7621.6	8733.5	10183.0	10752.7	9984.3	9754.3
35°	10397.4	8715.9	7646.1	7468.9	7936.8	8994.8	10473.7	11444.6	10652.8	10401.3
37.5°	10657.7	9127.9	8075.8	7864.3	8431.0	9415.7	10781.0	12229.6	11400.6	11100.1
40°	11020.8	9594.8	8738.4	8550.5	9262.0	9989.2	11164.7	13047.9	12251.1	11873.3
42.5°	11384.0	10095.9	9416.7	9467.5	10298.5	10686.1	11660.0	13913.1	13090.9	12687.7
45°	11715.8	10612.7	10382.7	10617.6	11260.6	11450.5	12152.3	14413.2	13761.4	13371.8
47.5°	12011.3	11258.7	11342.9	11968.3	12354.9	12142.5	12520.3	14844.9	14260.5	13917.0
50°	12354.9	12094.5	12608.4	13493.2	13614.6	12768.9	12855.0	15355.8	14843.9	14567.9
52.5°	12730.7	12975.4	14010.0	14790.0	14750.9	13449.1	13191.7	15928.3	15643.5	15384.2
55°	13157.5	13687.0	15244.2	16003.7	15970.4	14208.7	13749.6	16636.0	16645.8	16410.9
57.5°	13790.7	14299.7	16082.0	16985.4	17041.2	15085.6	14695.1	17428.8	17552.1	17395.5
59°	14244.9	14697.1	16413.8	17395.5	17622.6	15763.9	15386.1	17888.8	17807.6	17664.7
60°	14581.6	14949.6	16578.2	17609.9	17960.3	16223.9	15896.0	18158.9	17837.9	17664.7
62.5°	15414.5	15499.7	16874.8	17852.6	18348.8	17245.8	17330.9	18619.0	17627.5	17344.6
65°	15803.1	15847.1	16870.9	17418.0	17973.0	18041.5	18632.7	18632.7	17113.6	16679.1
67.5°	15640.6	15428.2	16034.1	15977.3	16531.3	17568.7	19122.0	17949.5	16131.0	15569.1
70°	14319.3	13502.0	13232.8	13257.3	13681.1	15281.4	18153.1	15939.1	14271.3	13614.6
72.5°	11914.5	9954.0	9289.4	10048.0	10158.6	11744.1	15470.3	12003.5	10524.6	9909.0
75°	9583.0	7016.7	5936.2	6736.8	6924.7	8594.5	11967.3	7475.8	6147.6	5668.0
77.5°	6884.6	5036.7	4259.6	4203.8	4446.5	5450.7	8491.7	3762.4	3137.9	2928.5
80°	3911.1	3315.1	3569.5	3367.9	3490.3	3408.0	4034.5	1650.2	1351.7	1263.6
82.5°	2360.8	1959.5	2122.0	1766.7	2235.5	1946.8	1554.3	528.5	459.0	436.5
85°	1535.7	1070.8	557.9	373.9	770.3	1244.0	347.5	143.9	110.6	88.1
87.5°	529.5	273.1	27.4	11.7	82.2	232.0	12.7	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

(END OF REPORT)