

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: P652727

Luminaire Tested: **GLAN-SA2C-840-U-SLL**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2C-840-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10249.3 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G3

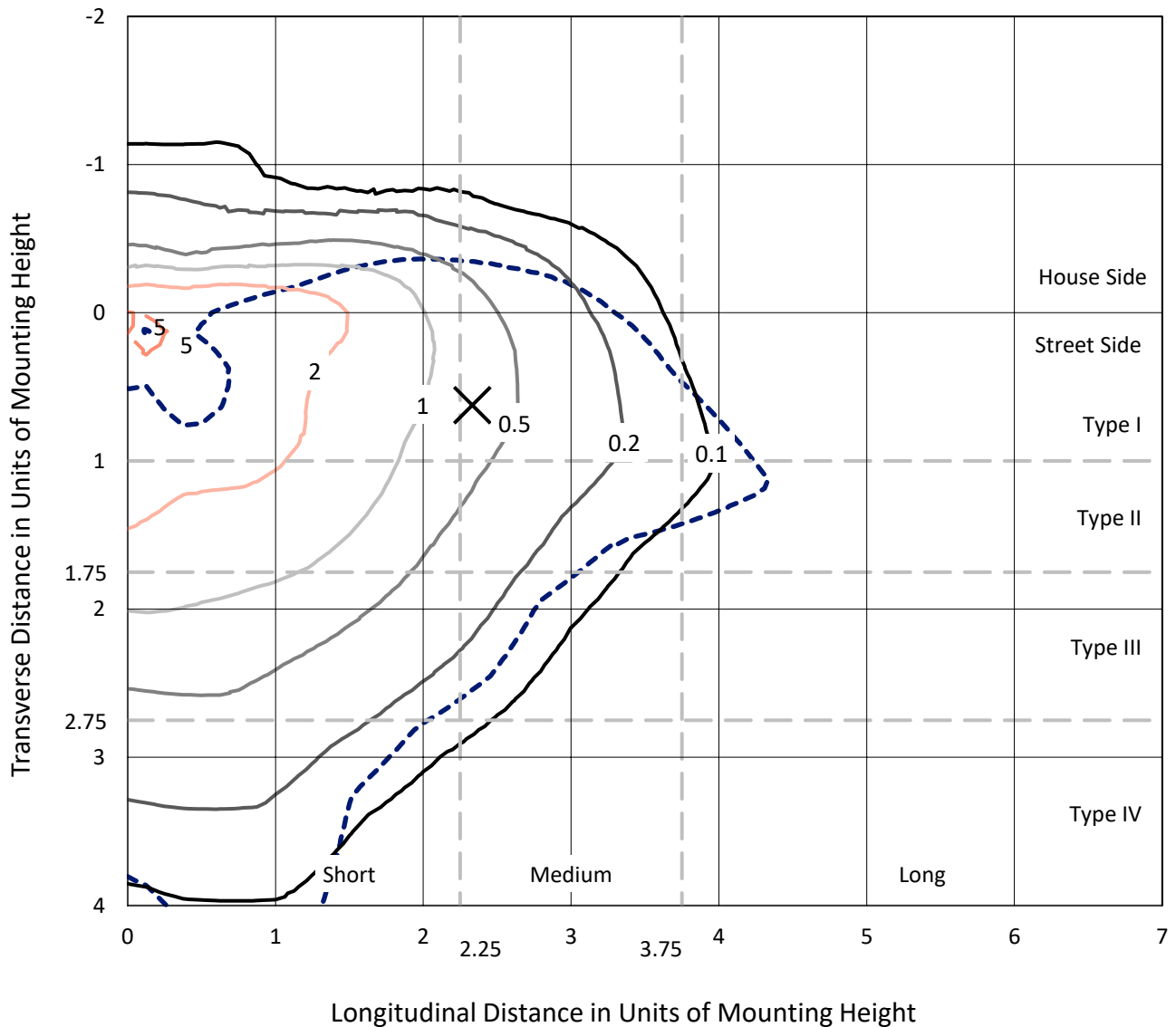
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

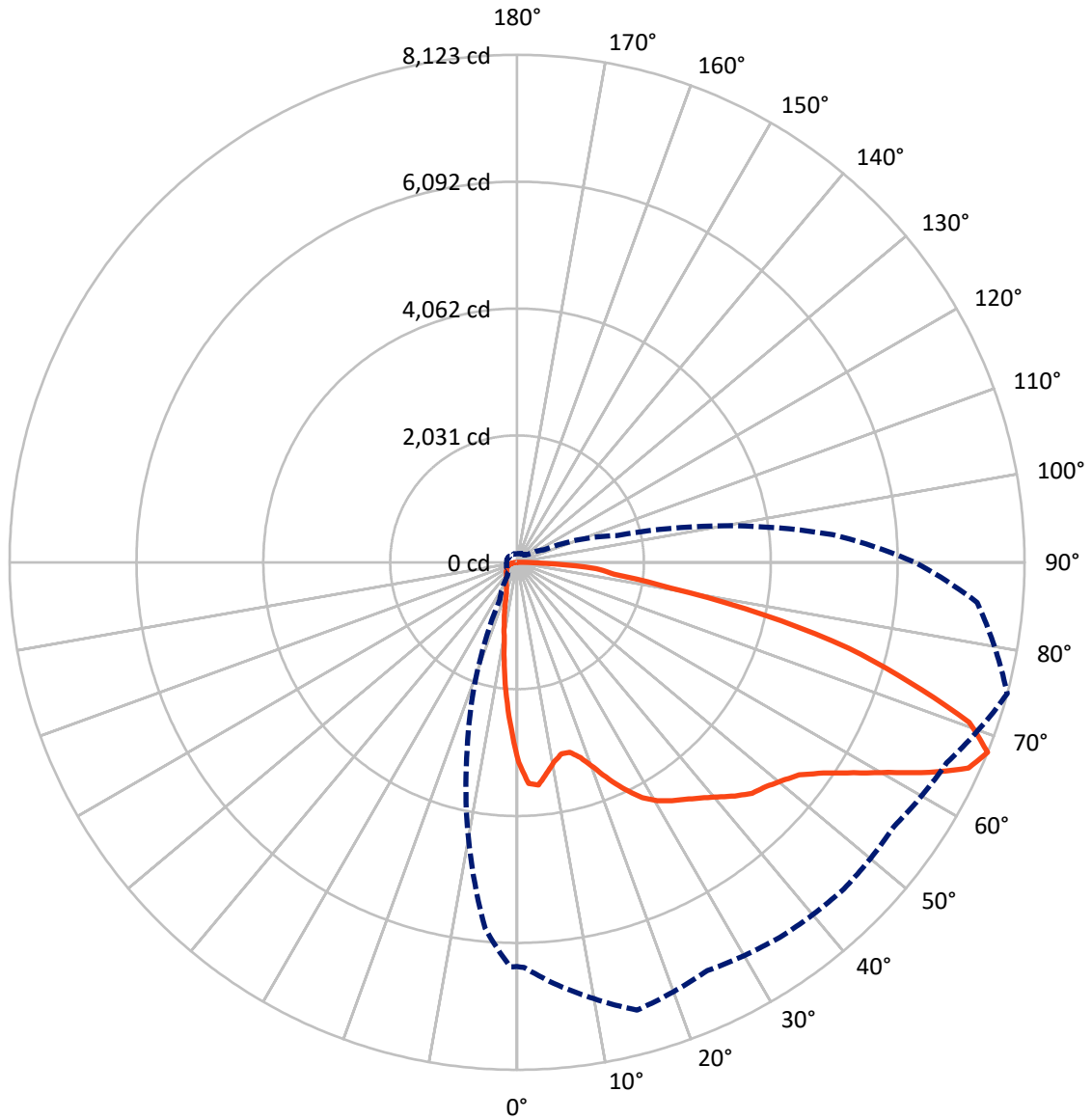
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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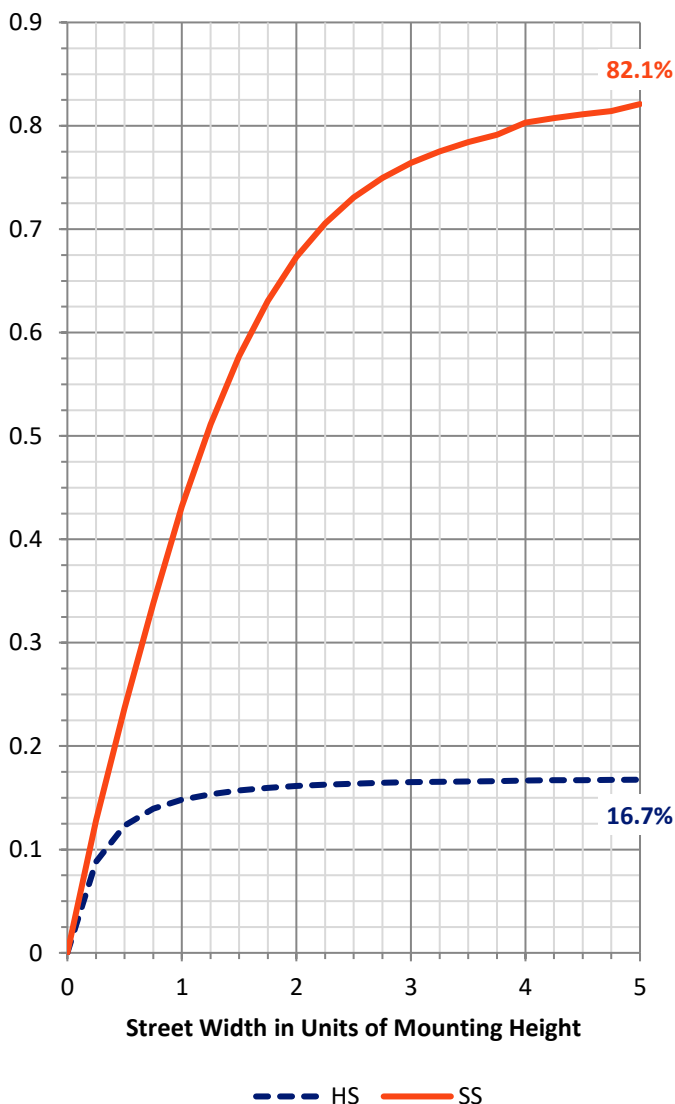
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1732.3	0.0	1732.3
	% Fixture	16.9	0.0	16.9
<b>Street Side</b>	Lumens	8516.9	0.0	8516.9
	% Fixture	83.1	0.0	83.1
<b>Total</b>	Lumens	10249.3	0.0	10249.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.9	2.4
10°-20°	506.5	4.9
20°-30°	728.9	7.1
30°-40°	1049.8	10.2
40°-50°	1474.7	14.4
50°-60°	2056.7	20.1
60°-70°	2445.2	23.9
70°-80°	1440.1	14.1
80°-90°	304.5	3.0
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°	10249.3	100.0
0°-180°	10249.3	100.0

**Coefficient of Utilization**

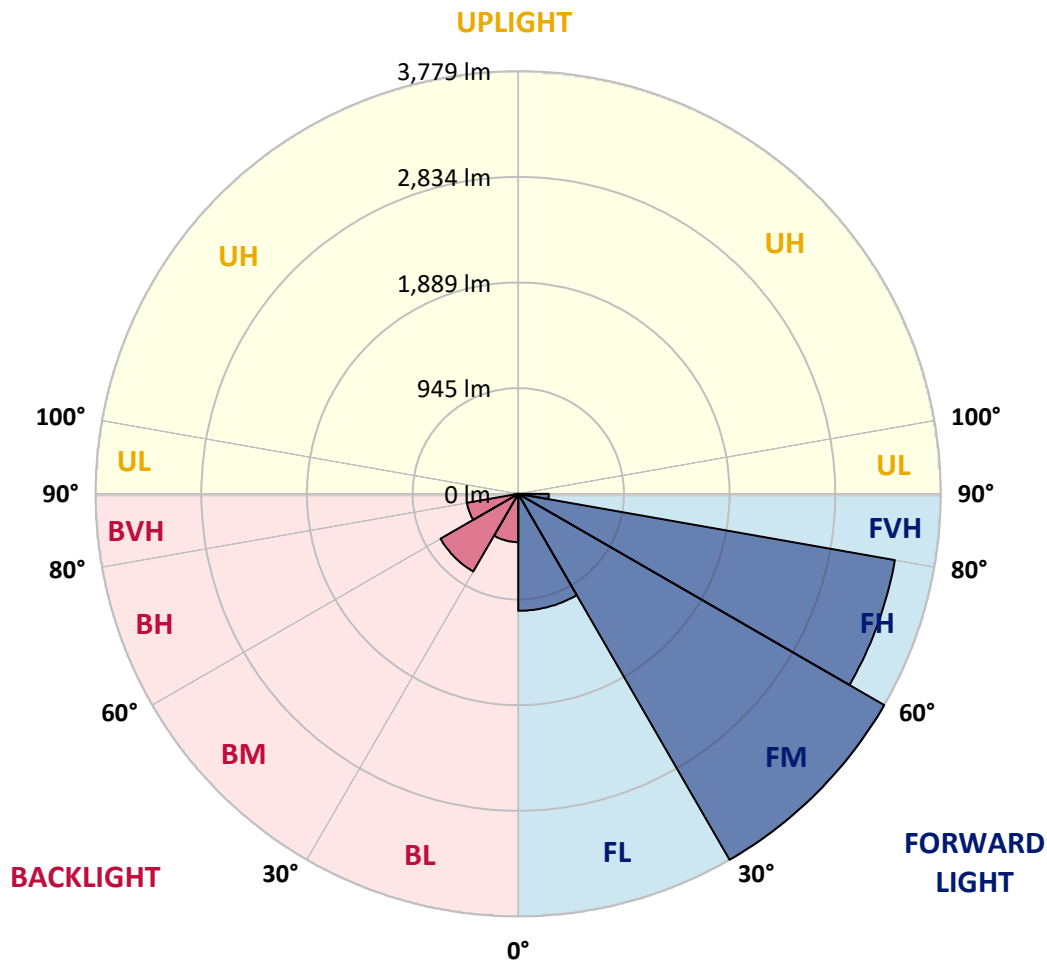


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1046.2	10.2			
FM (30°-60°)	3778.5	36.9			
FH (60°-80°)	3419.2	33.4			G2/5000
FVH (80°-90°)	273.0	2.7			G3/500
BL (0°-30°)	432.1	4.2	B1/500		
BM (30°-60°)	802.6	7.8	B1/1000		
BH (60°-80°)	466.1	4.5	B1/500		G1/500
BVH (80°-90°)	31.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1
2.5°	3452.6	3457.1	3486.7	3572.8	3631.9	3653.6	3668.8	3640.5	3612.9	3545.8	3444.7
5°	3442.0	3469.0	3545.8	3739.1	3891.6	3957.3	3977.0	3892.2	3752.2	3580.1	3373.0
7.5°	3240.9	3277.0	3395.4	3719.4	3988.2	4142.0	4121.6	3968.4	3716.0	3409.2	3119.9
10°	3002.3	3042.4	3185.0	3576.8	3923.1	4134.8	4134.8	3948.1	3612.9	3248.1	2914.9
12.5°	2813.1	2855.1	3018.1	3430.2	3787.7	3988.2	4021.7	3861.4	3538.6	3146.3	2780.2
15°	2750.6	2791.4	2966.8	3341.5	3644.5	3766.7	3777.9	3725.3	3502.5	3153.5	2774.2
17.5°	2828.1	2880.7	3058.2	3367.7	3513.0	3520.3	3528.8	3570.2	3506.4	3285.6	2893.9
20°	3052.2	3108.8	3294.1	3452.6	3398.0	3323.0	3327.7	3434.1	3553.1	3503.8	3179.7
22.5°	3375.6	3424.9	3614.9	3601.8	3349.4	3194.9	3162.7	3311.2	3622.1	3775.9	3484.1
25°	3724.6	3782.5	4000.6	3823.2	3363.2	3118.7	3098.2	3238.9	3693.8	4030.2	3835.7
27.5°	4124.3	4180.8	4352.9	4046.6	3435.4	3112.7	3088.4	3232.4	3758.2	4265.6	4171.5
30°	4421.3	4473.2	4590.3	4234.7	3524.1	3152.2	3122.0	3284.3	3813.3	4426.6	4498.8
32.5°	4654.6	4708.5	4772.3	4351.7	3641.2	3223.8	3168.0	3378.9	3885.7	4549.5	4741.4
35°	4897.8	4961.6	4956.9	4455.4	3750.3	3306.6	3252.1	3515.6	3999.4	4656.6	5048.9
37.5°	5206.0	5231.7	5198.8	4548.8	3881.0	3455.8	3425.6	3718.7	4161.0	4786.0	5408.5
40°	5518.9	5570.2	5401.2	4661.8	4040.1	3736.5	3733.2	4019.1	4352.9	4937.9	5756.8
42.5°	5787.1	5830.5	5590.5	4760.5	4232.7	4078.8	4103.8	4422.0	4604.6	5114.0	6036.9
45°	5988.8	6027.6	5765.4	4855.8	4486.4	4474.5	4621.8	4853.7	4922.1	5272.5	6201.1
47.5°	6160.4	6197.8	5887.0	5000.3	4799.9	4947.1	5203.4	5304.0	5193.6	5363.1	6385.2
50°	6305.0	6316.2	5970.4	5172.6	5189.0	5526.1	5774.6	5839.7	5461.7	5493.2	6544.9
52.5°	6455.5	6441.1	6114.4	5389.5	5609.6	6075.6	6256.4	6324.1	5718.7	5653.6	6777.5
55°	6792.7	6806.5	6437.1	5662.9	6034.8	6615.2	6853.1	6788.0	6003.3	5948.7	7073.3
57.5°	7200.1	7188.4	6891.2	6090.7	6468.0	7117.4	7294.8	7190.3	6383.2	6354.3	7373.0
60°	7358.6	7374.3	7271.1	6550.8	6895.2	7557.1	7738.5	7576.1	6838.7	6825.6	7599.1
62.5°	7199.5	7288.2	7357.9	6960.3	7259.3	7880.4	8060.5	7875.1	7313.8	7409.1	7757.5
65°	6882.7	6901.8	7139.0	7307.3	7434.8	7933.7	8027.6	7929.0	7710.9	7940.9	7750.2
67.5°	6471.2	6487.7	6765.7	7421.0	7208.7	7329.0	7394.7	7365.8	7587.9	8123.0	7393.4
70°	6079.5	6066.4	6360.2	7131.2	6275.4	6092.7	6147.2	6056.5	6547.5	7678.0	6693.4
72.5°	5317.1	5364.5	5679.9	6325.3	4968.8	4671.8	4790.7	4556.0	5035.8	6575.8	5432.8
75°	4165.0	4176.2	4702.6	5308.6	3748.3	3279.6	3440.7	3342.7	3857.4	5485.4	3751.5
77.5°	2884.0	2859.1	3424.9	4054.5	2673.0	2400.9	2403.6	2356.9	2693.4	4038.8	2548.8
80°	1831.8	1793.6	2144.0	2504.8	1837.0	1965.2	1900.7	1898.8	1753.6	2491.6	1541.2
82.5°	989.9	1031.9	1354.6	1570.1	1317.8	1518.9	1392.0	1351.3	1203.4	1559.6	985.9
85°	450.9	490.3	722.3	1068.1	1001.0	1012.1	676.3	797.9	995.7	1266.5	526.5
87.5°	44.1	56.5	149.2	504.1	341.8	269.5	100.6	193.9	250.4	450.2	42.0
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°	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1
2.5°	3403.2	3369.0	3252.7	3156.8	3054.8	2977.3	2876.1	2808.4	2761.8	2691.5	2682.9
5°	3246.8	3163.3	2960.9	2754.5	2576.4	2442.3	2306.3	2181.4	2107.8	2084.8	2055.2
7.5°	2983.3	2842.6	2582.3	2345.7	2141.4	1941.5	1787.7	1678.6	1605.6	1562.9	1511.7
10°	2766.4	2603.4	2286.6	1996.7	1828.5	1704.3	1568.9	1451.9	1361.8	1284.9	1242.8
12.5°	2620.5	2436.5	2080.2	1844.9	1714.8	1582.7	1424.2	1292.8	1160.1	1072.6	1035.2
15°	2576.4	2381.9	2016.5	1769.3	1582.7	1409.8	1232.3	1060.8	929.4	846.6	819.0
17.5°	2684.2	2448.9	2015.8	1668.7	1427.5	1221.1	993.7	832.8	698.0	636.2	616.5
20°	2885.3	2577.7	2021.7	1569.5	1259.3	968.7	723.0	590.9	526.5	500.1	490.3
22.5°	3165.9	2774.2	2039.4	1471.6	1075.2	744.0	541.6	474.5	451.5	446.9	445.0
25°	3511.7	3017.4	2099.2	1383.5	920.1	567.8	452.9	422.6	409.5	404.9	404.2
27.5°	3829.7	3331.6	2171.5	1307.9	770.3	489.6	409.5	383.8	370.7	370.0	371.4
30°	4117.0	3594.5	2232.0	1223.2	656.6	435.1	381.2	355.6	343.0	342.5	346.4
32.5°	4365.5	3810.7	2276.7	1139.6	593.5	401.6	355.6	328.0	317.5	315.5	317.5
35°	4631.0	4026.3	2256.3	1074.6	557.3	374.0	336.5	309.6	297.0	291.2	291.2
37.5°	4934.0	4248.5	2221.5	1020.7	540.9	350.9	320.1	293.8	281.3	275.4	274.8
40°	5264.6	4470.6	2173.5	972.7	524.4	337.2	308.9	281.3	266.2	260.3	258.9
42.5°	5556.4	4660.6	2134.1	941.2	497.5	339.8	299.1	272.1	253.1	245.2	244.5
45°	5810.0	4851.8	2126.9	922.7	475.2	335.9	296.5	264.8	242.5	234.0	232.7
47.5°	6008.5	5051.0	2168.3	912.2	450.9	314.8	313.5	260.3	233.3	224.1	222.8
50°	6250.4	5333.5	2262.9	890.5	428.5	295.1	331.3	259.6	226.1	214.3	211.0
52.5°	6572.5	5701.6	2391.0	851.8	396.3	276.7	316.1	259.6	217.6	205.7	201.8
55°	7059.5	6170.9	2516.6	797.3	350.9	252.4	285.3	251.7	205.0	194.5	191.9
57.5°	7382.2	6514.0	2596.8	721.7	294.4	234.6	245.8	239.3	192.6	181.4	181.4
60°	7398.6	6606.0	2558.7	626.4	258.9	218.2	213.6	241.2	181.4	169.5	168.3
62.5°	7209.4	6380.6	2360.2	540.9	239.9	200.5	193.3	211.6	170.2	158.4	156.4
65°	6913.6	5805.5	2015.8	500.1	229.3	184.7	174.2	173.5	158.4	147.3	144.6
67.5°	6370.1	5073.3	1656.3	476.5	224.1	166.9	157.1	153.8	144.6	135.4	134.1
70°	5568.8	4249.1	1328.3	466.7	221.5	148.5	140.6	136.7	128.8	121.6	120.9
72.5°	4332.6	3446.6	1096.3	460.1	220.2	131.4	122.9	117.7	113.0	106.5	106.5
75°	3112.0	2535.7	836.7	414.7	203.8	113.0	103.9	100.6	94.0	88.7	90.1
77.5°	1961.9	1707.6	550.8	304.9	157.8	90.7	82.8	80.8	75.6	68.4	72.9
80°	1325.0	1200.8	321.4	191.9	99.2	66.4	63.7	63.1	57.2	49.3	50.0
82.5°	901.7	884.6	166.9	109.1	57.2	38.8	37.4	38.8	32.2	26.3	26.3
85°	352.3	481.1	78.9	42.7	18.4	5.9	8.6	9.2	5.3	2.6	3.3
87.5°	6.6	49.3	1.9	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°	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1
2.5°	2669.8	2663.9	2673.7	2631.7	2640.2	2656.0	2663.9	2668.4	2733.5	2718.4	2759.8
5°	2082.8	2076.9	2115.0	2120.2	2140.0	2136.1	2155.1	2159.7	2183.4	2191.9	2249.8
7.5°	1515.0	1540.6	1583.9	1606.3	1639.9	1650.4	1640.5	1664.8	1615.5	1651.0	1661.6
10°	1217.3	1186.3	1167.9	1219.2	1225.8	1274.4	1254.7	1238.9	1267.8	1269.2	1296.7
12.5°	1013.5	947.1	903.1	917.5	933.3	954.3	957.6	989.2	1010.2	1029.9	1046.4
15°	794.6	771.6	731.5	711.8	734.1	742.7	763.0	789.4	811.7	817.6	840.0
17.5°	609.9	613.8	607.3	595.4	609.3	615.9	617.1	617.8	623.8	619.8	652.6
20°	491.0	504.8	521.2	523.9	528.4	531.7	525.8	503.4	504.1	517.9	528.4
22.5°	444.3	446.9	465.3	471.2	485.7	479.8	462.7	452.2	450.9	454.1	459.4
25°	407.5	411.4	424.6	433.8	445.0	434.5	421.9	412.1	410.7	414.1	419.3
27.5°	374.7	380.6	392.4	401.6	412.1	402.3	390.4	381.9	381.2	380.6	383.8
30°	348.3	354.9	363.5	374.0	381.2	372.6	361.5	356.9	356.2	354.9	356.2
32.5°	322.0	332.5	341.1	346.4	353.6	347.0	338.5	335.9	331.3	327.3	325.3
35°	292.5	303.7	316.8	323.4	330.6	324.0	318.1	307.0	299.1	298.4	299.7
37.5°	275.4	280.0	290.5	301.7	308.9	305.6	294.4	283.2	281.3	281.3	282.6
40°	260.3	262.2	266.8	281.3	294.4	284.6	270.8	267.5	267.5	266.8	267.5
42.5°	245.2	247.1	247.1	258.3	279.3	263.6	253.1	253.1	253.1	253.7	255.7
45°	231.4	232.0	231.4	239.3	258.9	245.8	238.6	240.5	241.9	243.2	244.5
47.5°	219.5	220.2	219.5	226.1	236.0	230.7	226.7	229.3	232.0	234.0	235.3
50°	209.0	208.3	209.7	213.6	218.2	219.5	216.9	220.8	222.1	224.8	228.1
52.5°	199.8	199.1	200.5	202.4	209.0	209.0	209.0	212.3	215.0	217.6	222.1
55°	189.3	190.0	191.9	194.5	203.1	201.8	202.4	205.0	207.7	211.6	214.3
57.5°	179.5	180.7	183.3	187.3	195.9	195.2	195.9	197.2	200.5	202.4	205.0
60°	168.3	170.9	174.2	176.8	185.4	184.7	188.0	190.6	192.6	192.6	193.9
62.5°	157.1	161.1	164.3	166.3	175.5	176.1	180.7	182.7	184.0	182.7	184.7
65°	145.9	151.8	153.1	155.8	165.0	165.6	170.9	175.5	174.2	172.8	176.1
67.5°	134.7	142.0	141.3	144.6	153.8	155.1	159.7	167.6	165.0	163.7	166.3
70°	122.3	127.5	128.2	130.1	142.6	140.6	147.8	155.1	153.1	153.8	153.8
72.5°	108.4	113.0	113.0	117.0	130.1	126.8	132.8	140.6	140.6	140.0	140.0
75°	92.0	94.6	97.3	103.2	117.0	113.0	117.0	124.2	125.6	124.2	124.2
77.5°	74.3	78.2	79.6	87.4	97.3	96.6	100.6	103.9	106.5	105.1	105.1
80°	52.6	56.5	61.8	70.3	76.3	78.2	80.1	82.8	84.1	84.1	85.4
82.5°	29.6	35.5	40.1	48.6	51.3	61.1	60.5	62.4	60.5	53.2	59.1
85°	6.6	12.4	17.7	22.4	25.7	35.5	37.4	42.0	34.8	32.2	32.2
87.5°	0.0	0.0	0.0	0.0	0.0	5.3	10.5	14.5	12.4	10.5	10.5
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1	3202.1
2.5°	2794.6	2851.8	2920.8	3039.8	3123.2	3213.3	3304.0	3400.6	3426.2	3452.6
5°	2265.6	2377.9	2439.1	2598.8	2766.4	2979.3	3153.5	3344.1	3423.6	3442.0
7.5°	1716.1	1792.3	1952.7	2114.4	2322.1	2545.5	2812.4	3109.4	3202.1	3240.9
10°	1360.5	1464.3	1605.0	1778.5	1960.5	2201.1	2502.1	2849.1	2980.6	3002.3
12.5°	1158.1	1273.8	1426.9	1610.3	1782.4	1963.8	2267.5	2625.7	2766.4	2813.1
15°	926.0	1066.1	1242.8	1436.1	1623.4	1821.9	2129.5	2533.7	2696.0	2750.6
17.5°	727.5	840.6	1031.9	1241.6	1463.7	1714.8	2100.6	2577.7	2777.6	2828.1
20°	556.7	637.6	798.5	1020.0	1280.3	1608.9	2107.8	2744.0	2983.3	3052.2
22.5°	481.1	522.5	620.4	831.4	1122.6	1516.9	2137.4	2972.1	3260.6	3375.6
25°	435.7	457.4	512.7	650.7	972.1	1427.5	2205.1	3279.0	3648.4	3724.6
27.5°	397.0	412.8	446.9	546.1	835.4	1344.8	2283.9	3619.5	4010.6	4124.3
30°	360.2	381.2	413.4	485.1	748.0	1269.2	2383.1	3895.5	4315.5	4421.3
32.5°	331.9	353.0	382.5	442.4	673.6	1189.6	2442.3	4138.1	4564.6	4654.6
35°	308.9	326.6	357.5	408.1	617.1	1129.1	2430.5	4330.6	4805.8	4897.8
37.5°	292.5	307.6	338.5	375.9	574.4	1066.1	2424.6	4585.0	5099.6	5206.0
40°	277.4	293.2	321.4	354.9	531.7	991.8	2427.9	4837.3	5412.4	5518.9
42.5°	265.5	283.2	306.3	349.0	487.7	932.0	2427.9	5056.8	5684.6	5787.1
45°	255.7	274.8	297.0	348.3	452.9	886.7	2411.5	5245.5	5901.5	5988.8
47.5°	247.1	268.2	300.3	336.5	444.3	853.8	2397.0	5396.7	6078.2	6160.4
50°	241.2	266.2	319.4	322.7	446.9	843.9	2466.7	5587.3	6234.0	6305.0
52.5°	236.6	266.8	318.7	302.3	442.4	850.5	2611.9	5885.0	6450.2	6455.5
55°	227.4	266.2	302.3	279.3	423.3	861.7	2798.6	6317.5	6788.7	6792.7
57.5°	218.2	258.9	280.6	259.6	384.5	861.7	3023.3	6726.9	7196.9	7200.1
60°	209.0	269.5	246.5	242.5	333.9	845.9	3260.6	6907.0	7325.0	7358.6
62.5°	199.8	271.5	220.2	227.4	297.0	807.8	3437.4	6707.9	7151.5	7199.5
65°	189.3	218.8	203.1	211.6	278.0	744.0	3381.6	6343.1	6825.6	6882.7
67.5°	176.8	185.4	184.7	195.2	271.5	650.0	3087.1	5881.7	6474.5	6471.2
70°	161.7	166.3	168.3	179.5	258.9	577.1	2572.5	5283.0	6005.9	6079.5
72.5°	145.9	149.9	151.8	161.7	246.5	535.6	1996.7	4458.1	5202.1	5317.1
75°	128.8	131.4	134.1	142.6	233.3	474.5	1422.3	3403.2	3984.2	4165.0
77.5°	111.1	111.1	114.4	122.9	196.5	391.7	954.3	2387.1	2699.4	2884.0
80°	90.1	90.7	89.4	98.6	144.6	268.2	542.2	1594.5	1796.3	1831.8
82.5°	69.0	67.0	67.7	72.3	107.8	182.7	289.2	990.4	1009.5	989.9
85°	43.4	43.4	42.0	47.3	69.0	95.3	157.8	606.6	473.9	450.9
87.5°	17.7	14.5	16.4	19.1	32.9	38.8	61.8	124.9	48.0	44.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)