

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: P649097

Luminaire Tested: **GLAN-SA8C-835-U-SLL**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649097  
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-SA8C-835-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3500K, 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: 38316.1 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

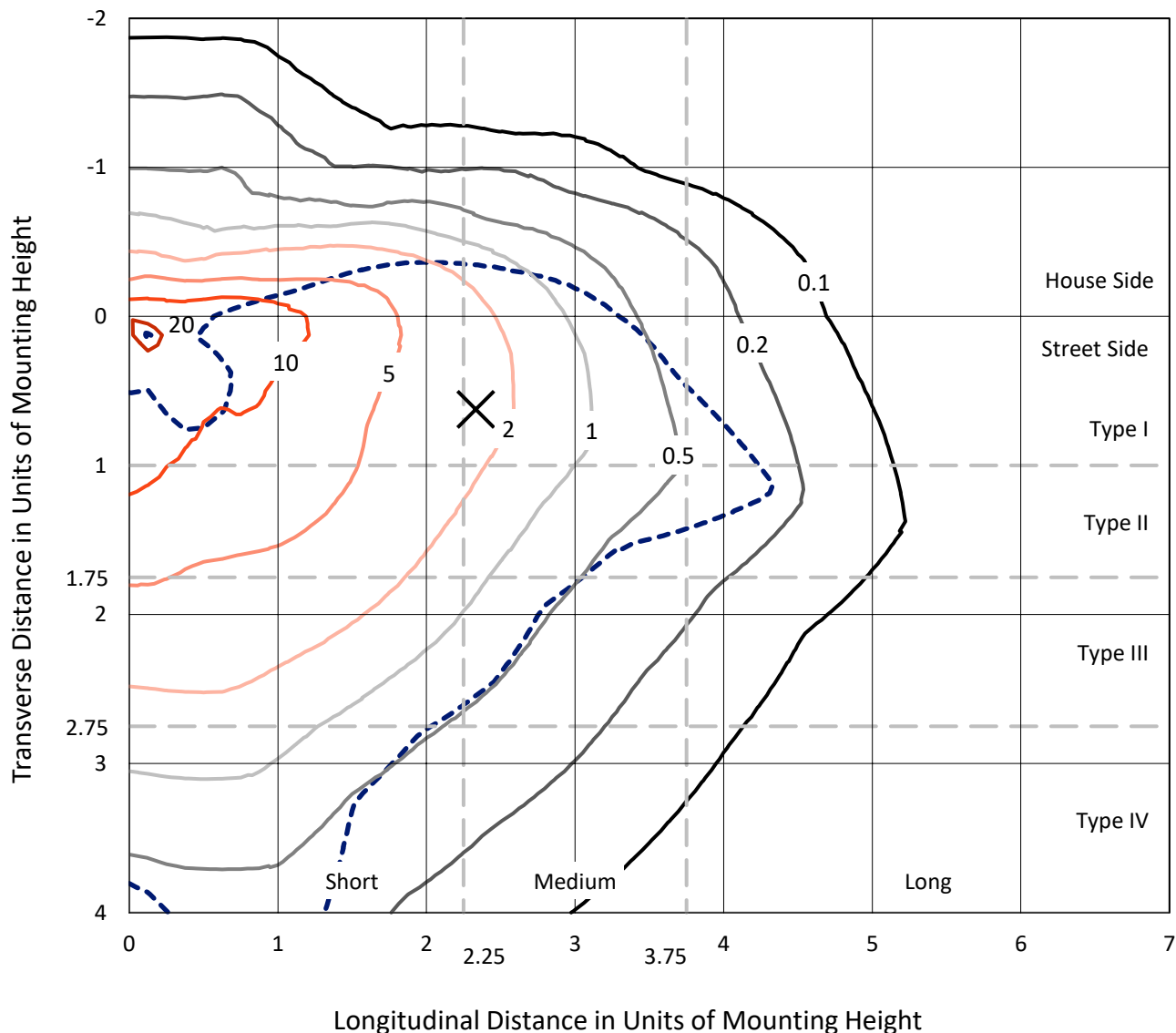
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

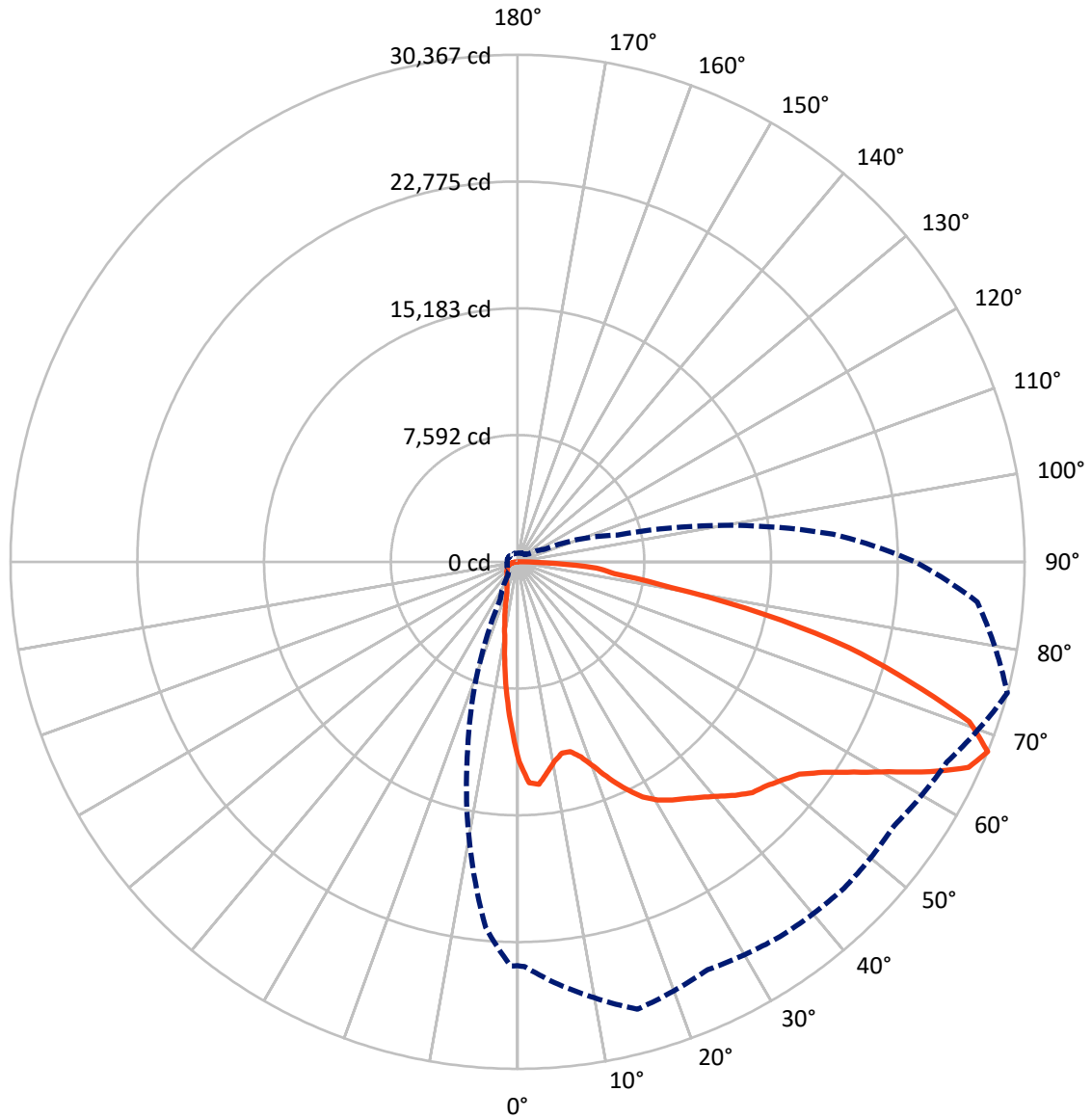
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 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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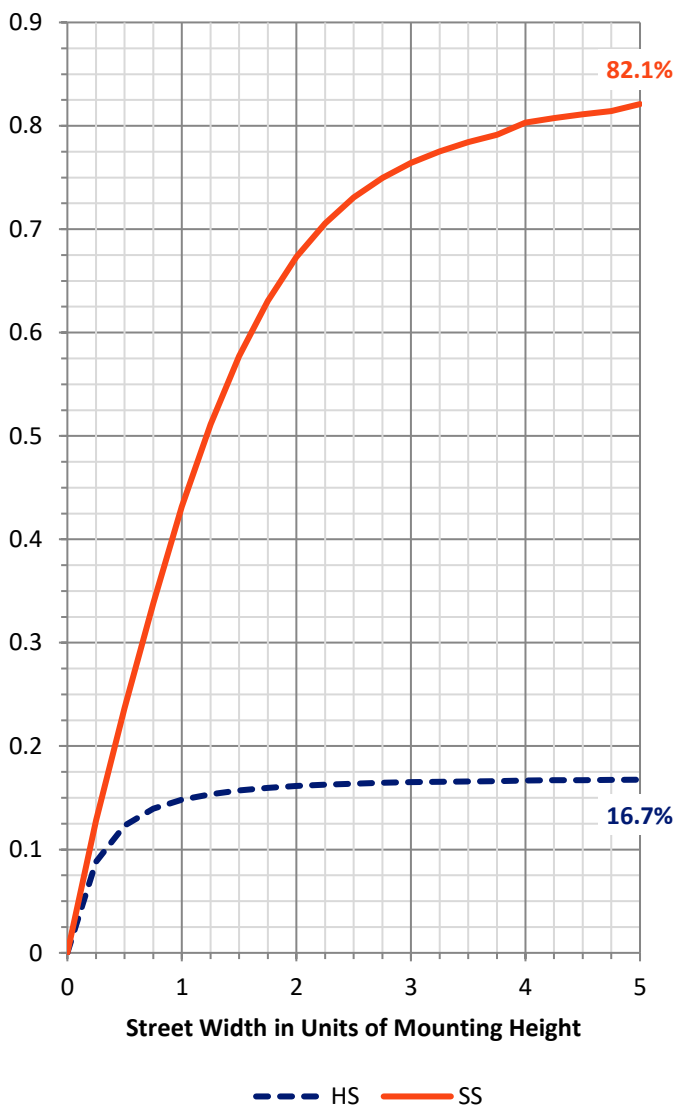
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6476.2	0.0	6476.2
	% Fixture	16.9	0.0	16.9
<b>Street Side</b>	Lumens	31839.9	0.0	31839.9
	% Fixture	83.1	0.0	83.1
<b>Total</b>	Lumens	38316.1	0.0	38316.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	908.0	2.4
10°-20°	1893.6	4.9
20°-30°	2724.9	7.1
30°-40°	3924.6	10.2
40°-50°	5513.0	14.4
50°-60°	7688.7	20.1
60°-70°	9141.3	23.9
70°-80°	5383.7	14.1
80°-90°	1138.5	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°	38316.1	100.0
0°-180°	38316.1	100.0

**Coefficient of Utilization**

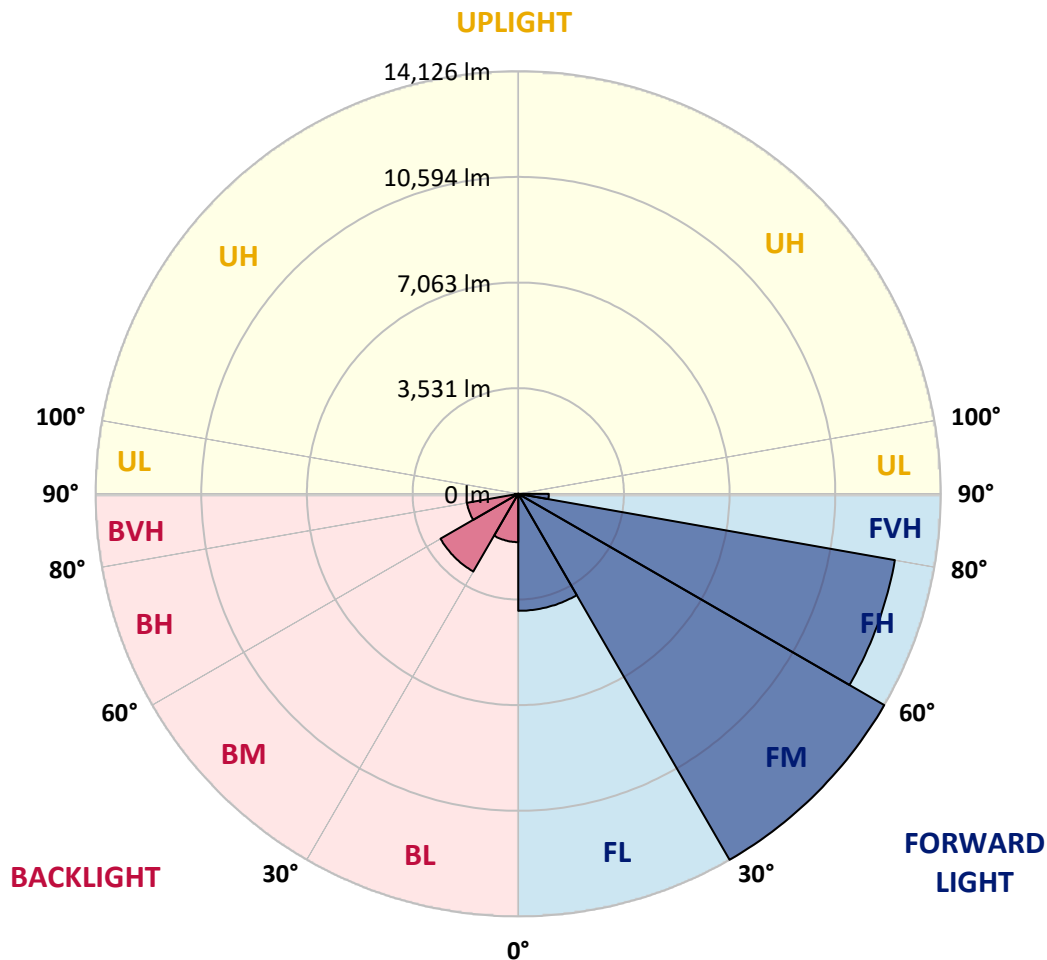


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3911.0	10.2			
FM (30°-60°)	14125.7	36.9			
FH (60°-80°)	12782.4	33.4			G5
FVH (80°-90°)	1020.7	2.7			G5
BL (0°-30°)	1615.4	4.2	B3/2500		
BM (30°-60°)	3000.5	7.8	B3/5000		
BH (60°-80°)	1742.6	4.5	B3/2500		G3/2500
BVH (80°-90°)	117.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9
2.5°	12907.0	12924.2	13034.8	13356.6	13577.8	13658.9	13715.3	13609.7	13506.5	13255.9	12877.5
5°	12867.7	12968.4	13255.9	13978.3	14548.3	14794.0	14867.8	14550.8	14027.4	13383.7	12609.7
7.5°	12115.8	12251.0	12693.2	13904.6	14909.5	15484.5	15408.3	14835.8	13892.3	12744.8	11663.7
10°	11223.9	11373.8	11907.0	13371.4	14666.3	15457.4	15457.4	14759.6	13506.5	12142.8	10897.1
12.5°	10516.2	10673.5	11282.9	12823.4	14160.1	14909.5	15034.9	14435.3	13228.9	11762.0	10393.4
15°	10282.8	10435.2	11091.2	12491.7	13624.4	14081.5	14123.3	13926.7	13093.7	11789.0	10371.3
17.5°	10572.8	10769.4	11432.7	12590.0	13133.0	13160.1	13192.0	13346.8	13108.5	12282.9	10818.5
20°	11410.7	11622.0	12314.9	12907.0	12703.1	12422.9	12440.1	12838.2	13283.0	13098.7	11887.3
22.5°	12619.5	12803.8	13513.9	13464.8	12521.3	11943.8	11823.5	12378.8	13540.9	14115.8	13025.0
25°	13924.2	14140.4	14956.2	14292.8	12572.9	11658.8	11582.6	12108.5	13808.8	15066.8	14339.5
27.5°	15418.1	15629.5	16273.2	15128.2	12843.2	11636.7	11545.8	12083.9	14049.5	15946.4	15595.0
30°	16528.7	16722.8	17160.2	15830.9	13174.8	11784.2	11671.1	12278.0	14255.9	16548.4	16818.7
32.5°	17401.0	17602.5	17840.8	16268.3	13612.2	12051.9	11843.1	12631.8	14526.2	17007.9	17725.3
35°	18310.1	18548.4	18531.3	16656.5	14020.1	12361.5	12157.6	13142.9	14951.3	17408.4	18875.2
37.5°	19462.5	19558.3	19435.5	17005.4	14509.0	12919.3	12806.3	13902.1	15555.7	17892.4	20219.3
40°	20632.0	20823.7	20192.2	17428.0	15103.6	13968.5	13956.2	15025.0	16273.2	18460.0	21521.5
42.5°	21634.5	21796.7	20899.8	17796.6	15823.6	15248.6	15341.9	16531.2	17214.3	19118.5	22568.2
45°	22388.9	22533.8	21553.4	18152.8	16772.0	16727.8	17278.1	18145.5	18401.0	19710.6	23182.5
47.5°	23030.1	23170.2	22008.0	18693.4	17944.0	18494.4	19452.6	19828.6	19415.8	20049.7	23870.5
50°	23570.7	23612.5	22320.0	19337.1	19398.6	20659.1	21587.9	21831.1	20418.3	20536.2	24467.5
52.5°	24133.4	24079.3	22858.1	20148.0	20971.1	22713.2	23388.8	23642.0	21379.0	21135.8	25337.3
55°	25393.9	25445.5	24064.6	21170.1	22560.8	24730.4	25619.9	25376.6	22442.9	22239.0	26443.0
57.5°	26917.3	26873.0	25762.4	22769.7	24180.1	26607.7	27271.0	26880.4	23863.1	23755.0	27563.5
60°	27509.4	27568.3	27182.6	24489.7	25777.1	28251.4	28929.6	28322.7	25565.8	25516.7	28408.6
62.5°	26914.8	27246.4	27506.9	26020.4	27138.4	29460.3	30133.5	29440.6	27342.3	27698.5	29000.8
65°	25730.5	25801.7	26688.7	27317.7	27794.4	29659.3	30010.7	29642.1	28826.4	29686.3	28973.8
67.5°	24192.4	24253.7	25293.1	27742.8	26949.1	27398.8	27644.5	27536.4	28366.9	30366.9	27639.6
70°	22727.9	22678.8	23777.1	26659.3	23460.2	22777.1	22981.0	22641.9	24477.4	28703.5	25022.8
72.5°	19877.7	20054.7	21234.0	23646.8	18575.5	17464.9	17909.6	17032.4	18826.1	24583.0	20310.2
75°	15570.5	15612.2	17580.4	19845.8	14012.6	12260.8	12862.8	12496.7	14420.6	20506.7	14024.9
77.5°	10781.6	10688.3	12803.8	15157.7	9992.9	8975.7	8985.6	8811.1	10069.1	15098.7	9528.6
80°	6847.9	6705.4	8014.9	9363.9	6867.5	7346.7	7105.9	7098.5	6555.4	9314.7	5761.9
82.5°	3700.4	3857.6	5064.1	5869.9	4926.4	5678.3	5204.1	5051.8	4498.9	5830.6	3685.6
85°	1685.6	1833.0	2700.3	3992.8	3742.1	3783.9	2528.3	2982.9	3722.5	4734.8	1968.1
87.5°	164.6	211.3	557.7	1884.6	1277.7	1007.4	375.9	724.8	936.2	1683.1	157.2
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°	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9
2.5°	12722.7	12594.9	12160.1	11801.3	11420.4	11130.5	10752.2	10499.1	10324.6	10061.7	10029.8
5°	12137.9	11825.9	11069.1	10297.6	9631.8	9130.5	8621.8	8155.0	7879.8	7793.8	7683.3
7.5°	11152.7	10626.9	9653.8	8769.3	8005.2	7258.2	6683.2	6275.4	6002.6	5842.9	5651.3
10°	10341.8	9732.5	8548.2	7464.6	6835.6	6371.2	5865.1	5427.7	5091.1	4803.5	4646.3
12.5°	9796.3	9108.4	7776.6	6897.0	6410.5	5916.7	5324.5	4833.1	4336.7	4010.0	3869.9
15°	9631.8	8904.4	7538.3	6614.5	5916.7	5270.5	4607.0	3965.7	3474.3	3164.7	3061.5
17.5°	10034.7	9155.1	7535.8	6238.5	5336.8	4565.2	3715.1	3113.1	2609.4	2378.4	2304.8
20°	10786.5	9636.6	7558.0	5867.5	4707.8	3621.7	2702.8	2208.9	1968.1	1869.8	1833.0
22.5°	11835.7	10371.3	7624.3	5501.4	4019.8	2781.4	2024.6	1774.0	1688.0	1670.8	1663.4
25°	13128.2	11280.4	7847.9	5172.1	3439.9	2122.9	1692.9	1579.9	1530.8	1513.5	1511.1
27.5°	14317.4	12454.9	8118.1	4889.6	2879.7	1830.5	1530.8	1434.9	1385.8	1383.3	1388.3
30°	15391.1	13437.8	8344.2	4572.6	2454.6	1626.6	1425.1	1329.3	1282.6	1280.1	1294.8
32.5°	16319.9	14246.1	8511.3	4260.5	2218.7	1501.2	1329.3	1226.1	1186.8	1179.4	1186.8
35°	17312.5	15052.0	8435.1	4017.3	2083.6	1398.0	1258.0	1157.3	1110.6	1088.4	1088.4
37.5°	18445.2	15882.5	8304.9	3815.9	2022.2	1312.1	1196.6	1098.3	1051.6	1029.5	1027.1
40°	19681.2	16713.0	8125.5	3636.5	1960.7	1260.5	1154.8	1051.6	995.1	973.0	968.1
42.5°	20772.1	17423.1	7978.1	3518.6	1860.0	1270.3	1118.0	1017.2	945.9	916.5	914.0
45°	21720.5	18138.1	7951.1	3449.7	1776.5	1255.5	1108.1	990.2	906.6	874.7	869.8
47.5°	22462.5	18882.6	8105.9	3410.4	1685.6	1176.9	1172.0	973.0	872.3	837.9	833.0
50°	23366.8	19939.2	8459.7	3329.3	1602.0	1103.2	1238.4	970.5	845.2	801.0	788.7
52.5°	24570.7	21315.1	8938.8	3184.4	1481.6	1034.4	1181.9	970.5	813.3	769.1	754.3
55°	26391.4	23069.5	9408.1	2980.4	1312.1	943.5	1066.4	941.1	766.6	727.3	717.5
57.5°	27597.9	24352.1	9707.9	2697.9	1100.7	877.2	918.9	894.3	719.9	678.2	678.2
60°	27659.2	24696.1	9565.4	2341.6	968.1	815.7	798.6	901.8	678.2	633.9	629.0
62.5°	26951.6	23853.2	8823.3	2022.2	896.8	749.4	722.4	791.1	636.3	592.2	584.7
65°	25846.0	21703.4	7535.8	1869.8	857.5	690.4	651.1	648.6	592.2	550.4	540.6
67.5°	23813.9	18966.1	6191.8	1781.4	837.9	624.1	587.2	575.0	540.6	506.1	501.3
70°	20818.8	15885.0	4965.7	1744.5	828.0	555.3	525.8	511.1	481.6	454.5	452.1
72.5°	16197.1	12884.9	4098.4	1719.9	823.1	491.4	459.5	439.8	422.6	398.1	398.1
75°	11634.2	9479.4	3127.9	1550.4	761.7	422.6	388.2	375.9	351.3	331.7	336.6
77.5°	7334.4	6383.5	2059.1	1140.0	589.7	339.0	309.6	302.2	282.6	255.6	272.7
80°	4953.5	4489.1	1201.5	717.5	371.0	248.1	238.3	235.9	213.8	184.3	186.7
82.5°	3371.1	3307.2	624.1	407.9	213.8	144.9	140.1	144.9	120.4	98.3	98.3
85°	1317.0	1798.6	294.9	159.7	68.8	22.1	31.9	34.4	19.7	9.9	12.3
87.5°	24.6	184.3	7.4	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°	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9
2.5°	9980.7	9958.5	9995.4	9838.1	9870.0	9929.1	9958.5	9975.7	10218.9	10162.5	10317.3
5°	7786.5	7764.4	7906.9	7926.5	8000.2	7985.5	8056.8	8073.9	8162.4	8194.3	8410.6
7.5°	5663.5	5759.4	5921.5	6005.1	6130.4	6169.7	6132.8	6223.8	6039.5	6172.2	6211.5
10°	4550.5	4435.0	4366.2	4557.8	4582.4	4764.2	4690.6	4631.6	4739.7	4744.6	4847.8
12.5°	3788.8	3540.6	3376.0	3430.1	3489.0	3567.7	3580.0	3697.9	3776.5	3850.2	3911.6
15°	2970.6	2884.6	2734.7	2661.0	2744.6	2776.5	2852.6	2951.0	3034.5	3056.6	3140.1
17.5°	2280.2	2294.9	2270.3	2226.1	2277.7	2302.3	2307.2	2309.6	2331.8	2317.1	2439.9
20°	1835.4	1887.0	1948.5	1958.3	1975.5	1987.8	1965.6	1882.1	1884.6	1936.2	1975.5
22.5°	1661.0	1670.8	1739.6	1761.8	1815.8	1793.7	1729.8	1690.5	1685.6	1697.9	1717.5
25°	1523.4	1538.1	1587.3	1621.7	1663.4	1624.1	1577.4	1540.6	1535.7	1548.0	1567.6
27.5°	1400.6	1422.6	1466.9	1501.2	1540.6	1503.8	1459.5	1427.6	1425.1	1422.6	1434.9
30°	1302.3	1326.8	1358.7	1398.0	1425.1	1393.2	1351.4	1334.2	1331.7	1326.8	1331.7
32.5°	1203.9	1243.2	1275.2	1294.8	1321.9	1297.4	1265.4	1255.5	1238.4	1223.6	1216.2
35°	1093.4	1135.2	1184.3	1208.9	1235.9	1211.3	1189.2	1147.5	1118.0	1115.5	1120.4
37.5°	1029.5	1046.7	1086.0	1127.8	1154.8	1142.6	1100.7	1059.0	1051.6	1051.6	1056.6
40°	973.0	980.4	997.5	1051.6	1100.7	1063.9	1012.3	1000.0	1000.0	997.5	1000.0
42.5°	916.5	923.9	923.9	965.6	1044.3	985.2	945.9	945.9	945.9	948.4	955.8
45°	864.9	867.3	864.9	894.3	968.1	918.9	891.9	899.3	904.2	909.1	914.0
47.5°	820.7	823.1	820.7	845.2	882.1	862.4	847.7	857.5	867.3	874.7	879.6
50°	781.4	778.9	783.8	798.6	815.7	820.7	810.8	825.6	830.5	840.3	852.6
52.5°	747.0	744.5	749.4	756.8	781.4	781.4	781.4	793.6	803.4	813.3	830.5
55°	707.7	710.1	717.5	727.3	759.2	754.3	756.8	766.6	776.4	791.1	801.0
57.5°	670.8	675.7	685.5	700.2	732.2	729.8	732.2	737.1	749.4	756.8	766.6
60°	629.0	638.8	651.1	660.9	692.9	690.4	702.7	712.5	719.9	719.9	724.8
62.5°	587.2	602.0	614.3	621.6	656.1	658.5	675.7	683.1	687.9	683.1	690.4
65°	545.4	567.6	572.5	582.3	616.7	619.2	638.8	656.1	651.1	646.2	658.5
67.5°	503.7	530.7	528.3	540.6	575.0	579.9	597.0	626.6	616.7	611.8	621.6
70°	457.0	476.7	479.1	486.5	533.2	525.8	552.9	579.9	572.5	575.0	575.0
72.5°	405.4	422.6	422.6	437.4	486.5	474.2	496.3	525.8	525.8	523.4	523.4
75°	344.0	353.8	363.6	385.8	437.4	422.6	437.4	464.4	469.3	464.4	464.4
77.5°	277.7	292.4	297.3	326.8	363.6	361.2	375.9	388.2	398.1	393.1	393.1
80°	196.5	211.3	231.0	262.9	285.0	292.4	299.7	309.6	314.5	314.5	319.4
82.5°	110.6	132.7	149.9	181.8	191.7	228.5	226.1	233.4	226.1	199.0	221.1
85°	24.6	46.7	66.3	83.5	95.8	132.7	140.1	157.2	130.2	120.4	120.4
87.5°	0.0	0.0	0.0	0.0	0.0	19.7	39.3	54.0	46.7	39.3	39.3
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°	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9	11970.9
2.5°	10447.5	10661.2	10919.2	11364.0	11676.0	12012.6	12351.7	12712.9	12808.7	12907.0
5°	8469.6	8889.7	9118.2	9715.2	10341.8	11137.9	11789.0	12501.6	12798.9	12867.7
7.5°	6415.4	6700.4	7300.0	7904.4	8680.8	9516.3	10513.8	11624.4	11970.9	12115.8
10°	5086.1	5474.3	6000.2	6648.8	7329.4	8228.7	9354.1	10651.4	11142.8	11223.9
12.5°	4329.4	4761.8	5334.3	6019.9	6663.6	7341.7	8476.9	9816.0	10341.8	10516.2
15°	3462.0	3985.4	4646.3	5368.7	6069.0	6811.0	7960.9	9472.0	10078.9	10282.8
17.5°	2720.0	3142.6	3857.6	4641.4	5471.9	6410.5	7852.8	9636.6	10383.6	10572.8
20°	2081.1	2383.4	2985.3	3813.4	4786.4	6014.9	7879.8	10258.2	11152.7	11410.7
22.5°	1798.6	1953.4	2319.5	3108.2	4196.6	5671.0	7990.4	11110.8	12189.5	12619.5
25°	1629.0	1710.2	1916.5	2432.5	3634.0	5336.8	8243.5	12258.3	13639.2	13924.2
27.5°	1484.1	1543.1	1670.8	2041.8	3122.9	5027.2	8538.3	13531.1	14993.0	15418.1
30°	1346.4	1425.1	1545.5	1813.3	2796.2	4744.6	8909.4	14563.1	16133.2	16528.7
32.5°	1240.8	1319.4	1430.0	1653.6	2518.5	4447.3	9130.5	15469.7	17064.4	17401.0
35°	1154.8	1221.2	1336.7	1525.8	2307.2	4221.2	9086.2	16189.6	17966.1	18310.1
37.5°	1093.4	1149.9	1265.4	1405.4	2147.5	3985.4	9064.2	17140.6	19064.4	19462.5
40°	1036.8	1095.9	1201.5	1326.8	1987.8	3707.7	9076.5	18084.1	20234.0	20632.0
42.5°	992.7	1059.0	1145.0	1304.7	1823.1	3484.1	9076.5	18904.8	21251.2	21634.5
45°	955.8	1027.1	1110.6	1302.3	1692.9	3314.6	9015.0	19609.9	22062.0	22388.9
47.5°	923.9	1002.5	1122.9	1258.0	1661.0	3191.7	8961.0	20175.0	22723.0	23030.1
50°	901.8	995.1	1194.2	1206.4	1670.8	3154.9	9221.4	20887.5	23305.4	23570.7
52.5°	884.6	997.5	1191.6	1130.3	1653.6	3179.4	9764.4	22000.7	24113.7	24133.4
55°	850.2	995.1	1130.3	1044.3	1582.4	3221.2	10462.2	23617.4	25379.1	25393.9
57.5°	815.7	968.1	1049.1	970.5	1437.4	3221.2	11302.5	25148.2	26905.0	26917.3
60°	781.4	1007.4	921.4	906.6	1248.2	3162.2	12189.5	25821.4	27384.1	27509.4
62.5°	747.0	1014.8	823.1	850.2	1110.6	3019.7	12850.5	25076.9	26735.4	26914.8
65°	707.7	818.2	759.2	791.1	1039.4	2781.4	12641.6	23713.2	25516.7	25730.5
67.5°	660.9	692.9	690.4	729.8	1014.8	2430.0	11540.9	21988.4	24204.6	24192.4
70°	604.5	621.6	629.0	670.8	968.1	2157.3	9617.0	19749.9	22452.8	22727.9
72.5°	545.4	560.2	567.6	604.5	921.4	2002.5	7464.6	16666.3	19447.8	19877.7
75°	481.6	491.4	501.3	533.2	872.3	1774.0	5317.1	12722.7	14894.8	15570.5
77.5°	415.2	415.2	427.5	459.5	734.7	1464.4	3567.7	8924.1	10091.2	10781.6
80°	336.6	339.0	334.2	368.6	540.6	1002.5	2027.1	5960.8	6715.2	6847.9
82.5°	258.0	250.6	253.1	270.3	402.9	683.1	1081.1	3702.8	3774.1	3700.4
85°	162.2	162.2	157.2	176.9	258.0	356.3	589.7	2267.9	1771.5	1685.6
87.5°	66.3	54.0	61.5	71.3	122.9	144.9	231.0	466.8	179.4	164.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)