

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: P649593

Luminaire Tested: **GLAN-SA8D-835-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649593  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8D-835-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27040.1 lumens  
Efficiency: N/A  
Efficacy: 54.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

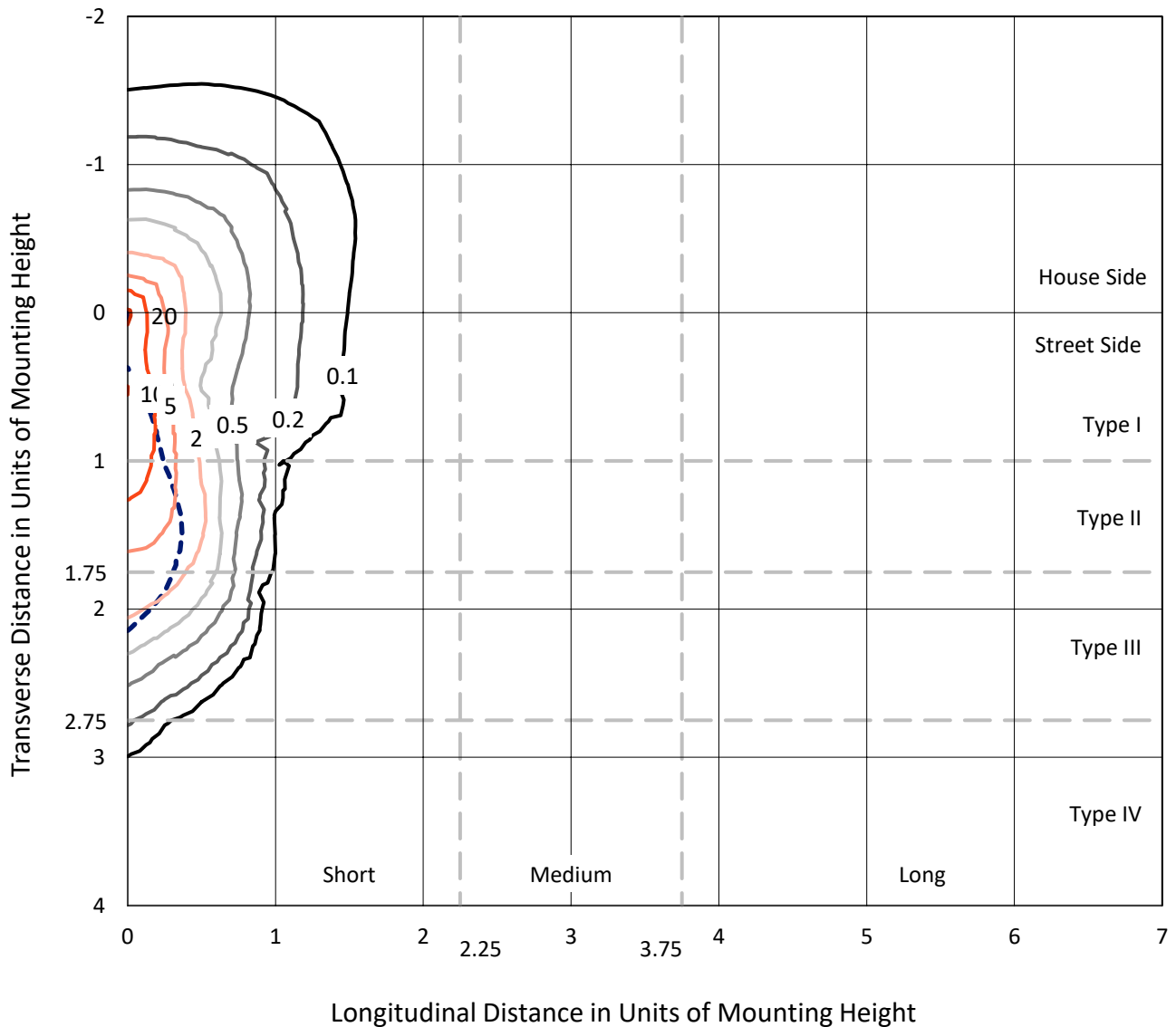
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

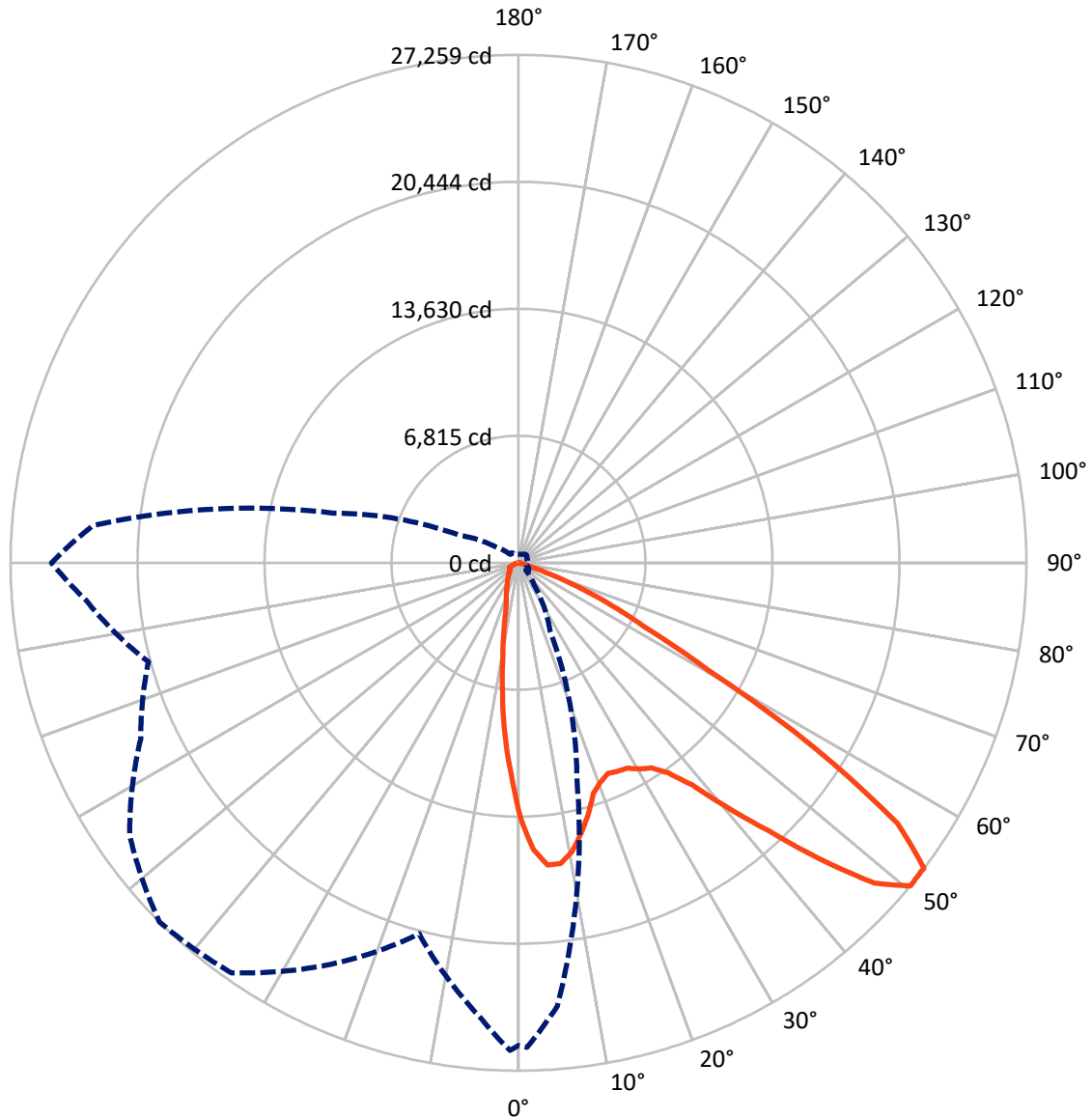
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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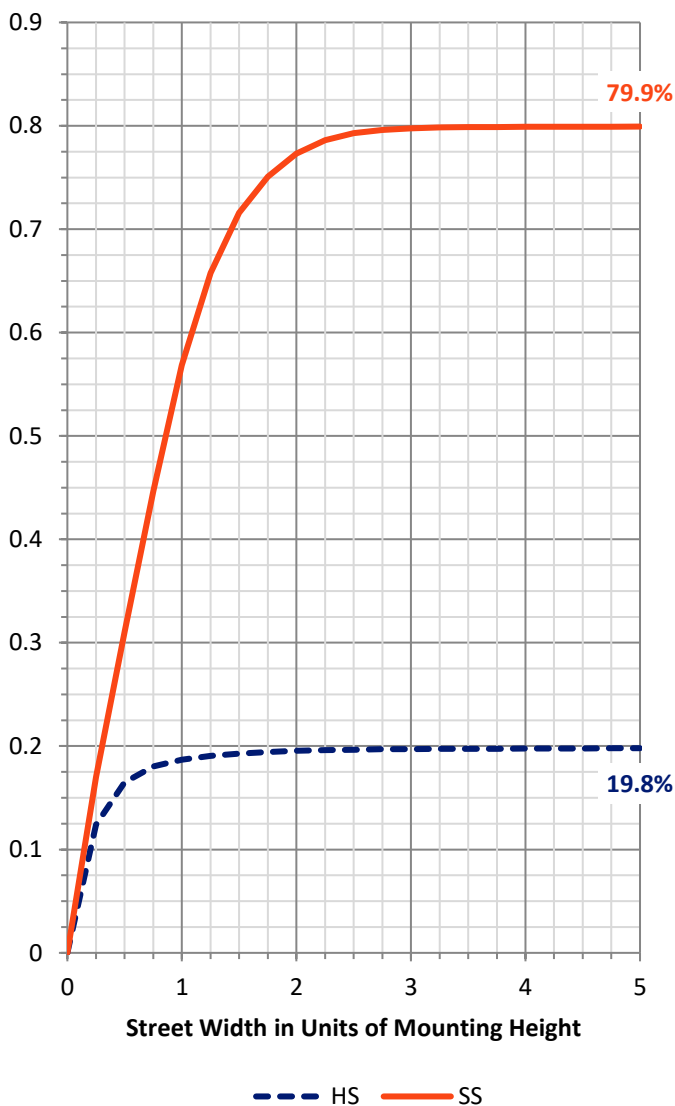
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5416.1	0.0	5416.1
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	21624.0	0.0	21624.0
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	27040.1	0.0	27040.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	999.5	3.7
10°-20°	1986.5	7.3
20°-30°	2984.3	11.0
30°-40°	4479.4	16.6
40°-50°	6295.4	23.3
50°-60°	6790.7	25.1
60°-70°	3152.9	11.7
70°-80°	296.7	1.1
80°-90°	54.7	0.2
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°	27040.1	100.0
0°-180°	27040.1	100.0

**Coefficient of Utilization**



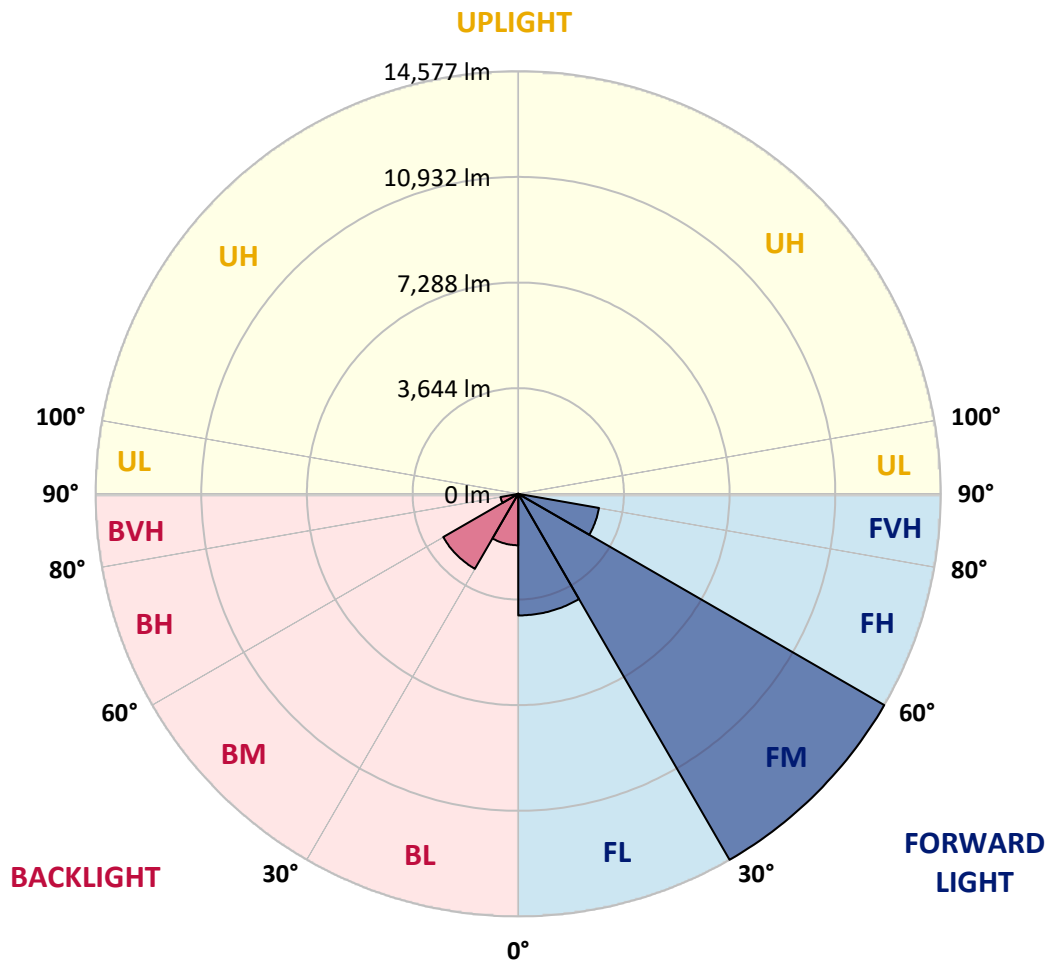
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4195.0	15.5			
FM (30°-60°)	14576.6	53.9			
FH (60°-80°)	2827.7	10.5			G2/5000
FVH (80°-90°)	24.6	0.1			G1/100
BL (0°-30°)	1775.3	6.6	B3/2500		
BM (30°-60°)	2988.9	11.1	B3/5000		
BH (60°-80°)	621.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	30.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8
2.5°	14254.6	14034.6	13755.7	13525.0	13181.6	12489.6	12301.8	12076.4	11888.7	11636.6	11282.4
5°	12961.6	12891.9	12763.1	11894.0	11266.4	10429.4	9742.7	9453.0	9072.1	8760.9	8535.6
7.5°	11974.5	11695.5	11287.8	10413.4	9410.1	8514.1	7752.3	7307.0	6802.7	6631.1	6325.2
10°	10917.6	10982.0	10381.1	9152.6	7940.1	7215.8	6743.7	6314.5	5858.5	5558.0	5123.5
12.5°	10579.7	10370.4	9909.0	8390.7	7355.3	6679.3	6105.3	5574.2	5091.3	4608.5	4190.0
15°	10799.6	10477.7	9833.9	8229.8	6904.7	6062.4	5343.5	4624.6	4179.3	3562.3	3127.8
17.5°	11588.2	11330.7	10467.0	8401.5	6674.0	5472.2	4404.6	3664.3	2982.9	2425.0	2205.0
20°	12902.7	12537.9	11454.1	8621.5	6330.6	4758.7	3573.1	2661.0	2017.2	1781.2	1657.8
22.5°	14190.2	13991.7	12623.7	9045.3	6024.8	4125.6	2682.5	1791.9	1507.5	1464.6	1384.2
25°	16642.0	16046.5	14410.2	9812.5	5788.7	3530.2	2022.6	1443.1	1276.8	1244.7	1255.4
27.5°	18101.2	17602.3	16062.6	10322.1	5525.9	3074.1	1711.4	1325.1	1212.5	1142.7	1115.9
30°	19501.5	18922.1	16883.4	10622.6	4962.6	2591.3	1518.2	1271.5	1244.7	1142.7	1110.5
32.5°	20579.8	20011.2	18069.1	11073.2	4731.8	2280.1	1250.1	992.5	922.8	912.0	1008.6
35°	22232.3	21626.0	19083.0	11320.0	4554.8	2119.1	1083.8	885.2	804.8	772.6	777.9
37.5°	23772.0	23358.9	20021.9	11416.5	4367.0	2070.9	971.1	794.0	724.3	702.8	697.4
40°	25059.6	24136.8	20912.4	11518.5	4286.6	1979.7	901.3	724.3	676.0	643.8	643.8
42.5°	25649.7	24710.9	21910.4	11459.5	4265.1	1834.8	901.3	665.2	627.7	595.5	590.1
45°	25520.9	25140.0	22355.7	11432.7	4265.1	1689.9	820.8	649.2	595.5	552.6	541.8
47.5°	25853.6	25354.6	22913.6	11545.3	4179.3	1588.0	692.1	681.4	563.3	509.7	498.9
50°	25912.6	26009.1	23884.6	12130.1	3991.5	1459.3	541.8	670.6	541.8	461.4	450.6
52°	26298.9	25698.0	24179.7	12441.2	3793.0	1362.7	456.0	574.0	520.4	429.2	418.4
52.5°	25767.7	26159.4	24249.4	12553.9	3814.5	1298.3	439.9	563.3	509.7	429.2	402.4
55°	25172.2	25547.8	23965.1	12795.3	3497.9	1019.3	343.3	407.7	461.4	375.5	359.5
57.5°	21878.2	22259.0	20826.6	11717.0	2848.8	718.9	284.3	305.8	407.7	348.7	332.6
60°	19447.8	19174.3	17478.9	9774.9	2022.6	402.4	225.3	236.1	445.3	321.9	316.6
62.5°	17774.0	17189.2	14608.7	7548.4	1233.9	268.3	177.0	182.4	343.3	300.4	300.4
65°	13149.5	12494.9	9705.1	4565.5	606.2	187.8	134.1	144.9	214.6	257.5	257.5
67.5°	7505.5	7253.4	4688.9	2060.2	252.1	118.0	101.9	112.7	166.3	209.2	198.5
70°	3449.7	3095.6	1802.6	434.6	118.0	80.5	80.5	91.2	134.1	155.6	144.9
72.5°	1008.6	954.9	439.9	69.8	48.3	48.3	53.6	69.8	101.9	118.0	107.3
75°	75.1	48.3	32.2	21.5	21.5	32.2	42.9	69.8	101.9	112.7	91.2
77.5°	5.4	10.7	5.4	5.4	16.1	32.2	48.3	85.8	134.1	139.5	101.9
80°	5.4	5.4	0.0	5.4	16.1	32.2	53.6	96.5	150.2	161.0	85.8
82.5°	0.0	0.0	0.0	5.4	21.5	42.9	64.4	101.9	139.5	171.7	91.2
85°	0.0	0.0	0.0	5.4	32.2	59.0	75.1	26.9	16.1	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°	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8
2.5°	11534.6	11395.1	11341.4	11389.8	11373.6	11357.6	11652.6	11588.2	11577.5	11674.1	11652.6
5°	8659.0	8412.2	9088.2	8814.5	9098.9	9270.6	9302.7	9318.9	9517.4	9308.1	9581.7
7.5°	6169.6	6234.0	6228.7	6411.0	6738.3	7028.1	7199.8	7065.6	7054.9	7028.1	6910.1
10°	4930.4	4817.7	4796.3	4753.4	4855.2	5102.0	5311.2	5144.9	5026.9	5187.8	5139.6
12.5°	4029.1	3873.5	3787.6	3616.0	3621.3	3787.6	3787.6	3787.6	3905.7	3996.9	4066.6
15°	3090.2	2961.5	2961.5	2789.8	2752.2	2757.6	2843.4	2854.1	3041.9	3095.6	3122.4
17.5°	2162.1	2092.3	2172.8	2242.5	2199.6	2210.3	2242.5	2253.2	2280.1	2258.6	2312.3
20°	1663.1	1652.4	1673.8	1797.2	1888.4	1942.1	1904.6	1850.9	1818.7	1743.6	1743.6
22.5°	1411.0	1432.4	1470.0	1572.0	1689.9	1722.1	1679.2	1555.8	1459.3	1448.6	1453.9
25°	1255.4	1276.8	1335.9	1400.2	1464.6	1518.2	1475.3	1384.2	1330.5	1282.2	1282.2
27.5°	1158.8	1169.6	1201.7	1250.1	1303.7	1346.6	1330.5	1282.2	1223.2	1201.7	1153.4
30°	1083.8	1099.8	1137.4	1148.1	1196.3	1217.8	1191.0	1180.3	1142.7	1115.9	1099.8
32.5°	1046.2	1040.8	1067.6	1078.3	1083.8	1099.8	1067.6	1083.8	1078.3	1035.4	1019.3
35°	788.6	831.5	901.3	960.3	976.4	997.9	992.5	971.1	912.0	863.7	804.8
37.5°	708.1	735.0	772.6	820.8	885.2	912.0	901.3	847.7	777.9	745.7	735.0
40°	654.5	670.6	702.8	735.0	799.4	847.7	810.1	761.8	708.1	681.4	665.2
42.5°	606.2	611.6	627.7	659.9	708.1	783.3	718.9	654.5	633.1	617.0	606.2
45°	552.6	552.6	574.0	590.1	643.8	713.5	649.2	590.1	579.4	568.7	563.3
47.5°	509.7	515.1	525.8	547.2	590.1	638.5	595.5	547.2	520.4	515.1	504.3
50°	456.0	461.4	482.9	504.3	558.0	584.7	558.0	504.3	477.5	461.4	461.4
52°	413.1	429.2	450.6	493.6	531.1	574.0	541.8	482.9	450.6	434.6	423.8
52.5°	407.7	418.4	439.9	488.2	531.1	568.7	536.5	477.5	439.9	429.2	418.4
55°	364.8	380.9	418.4	477.5	525.8	568.7	525.8	472.1	418.4	391.7	380.9
57.5°	348.7	359.5	407.7	482.9	520.4	568.7	525.8	472.1	418.4	370.2	359.5
60°	332.6	354.1	407.7	466.7	515.1	574.0	531.1	466.7	407.7	348.7	348.7
62.5°	316.6	332.6	402.4	456.0	493.6	552.6	509.7	456.0	391.7	332.6	327.3
65°	273.6	300.4	354.1	380.9	423.8	477.5	434.6	397.0	343.3	295.0	289.7
67.5°	209.2	219.9	262.9	295.0	321.9	370.2	348.7	300.4	262.9	225.3	225.3
70°	144.9	155.6	187.8	203.9	230.7	257.5	241.4	203.9	177.0	155.6	150.2
72.5°	101.9	107.3	118.0	128.7	139.5	150.2	144.9	118.0	101.9	96.5	91.2
75°	80.5	91.2	96.5	91.2	85.8	80.5	80.5	69.8	59.0	53.6	53.6
77.5°	80.5	85.8	80.5	69.8	59.0	53.6	48.3	42.9	32.2	26.9	32.2
80°	69.8	69.8	69.8	59.0	53.6	48.3	42.9	37.6	32.2	26.9	26.9
82.5°	75.1	75.1	69.8	59.0	59.0	48.3	48.3	42.9	37.6	26.9	26.9
85°	0.0	0.0	0.0	10.7	26.9	48.3	48.3	42.9	37.6	32.2	32.2
87.5°	0.0	0.0	0.0	0.0	5.4	10.7	21.5	26.9	32.2	32.2	32.2
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8
2.5°	11845.8	12049.6	12435.9	12822.2	13058.2	13337.2	13841.5	14109.7	14458.5	14630.1	14968.1
5°	9544.2	10027.0	10198.7	10638.6	11110.8	11582.8	12334.0	13160.2	13846.9	14319.0	14930.6
7.5°	6963.7	7076.4	7741.6	8036.6	8809.2	9667.6	10692.3	11733.1	12602.2	13374.7	13841.5
10°	5220.1	5633.1	6051.7	6614.9	7237.3	8122.5	9104.3	10252.4	11379.0	12151.5	12741.7
12.5°	4195.4	4522.6	5080.6	5686.9	6454.0	7038.8	8025.9	9163.3	10622.6	11379.0	12156.9
15°	3176.0	3594.5	4227.6	4855.2	5665.4	6282.3	7280.2	8712.7	10590.4	11631.2	12301.8
17.5°	2355.2	2639.6	3208.3	3911.0	4737.2	5606.4	6953.0	8664.4	10949.8	12189.1	12881.2
20°	1802.6	1899.2	2258.6	2886.3	3782.3	4919.7	6421.9	8873.6	12012.1	13546.4	14249.3
22.5°	1459.3	1502.2	1641.6	2076.2	2945.3	4318.8	6169.6	9018.4	13208.4	15172.0	16110.9
25°	1271.5	1260.8	1351.9	1539.8	2301.6	3755.4	5847.8	9565.7	14673.1	17081.9	17924.2
27.5°	1158.8	1158.8	1201.7	1335.9	1909.9	3390.6	5643.9	9957.3	16148.4	18761.1	19217.2
30°	1099.8	1110.5	1233.9	1276.8	1588.0	2956.1	5305.9	10354.3	17559.4	19834.1	20461.8
32.5°	1019.3	976.4	949.6	1056.9	1335.9	2564.4	4967.9	10520.6	18702.1	21148.5	21685.0
35°	783.3	761.8	794.0	874.5	1148.1	2231.8	4592.4	10708.4	20016.5	22672.2	22779.5
37.5°	708.1	702.8	724.3	794.0	965.7	1942.1	4324.1	10660.1	21019.8	23932.9	23643.2
40°	654.5	654.5	670.6	729.6	863.7	1738.3	4045.1	10617.2	21990.9	25349.3	24501.6
42.5°	611.6	611.6	638.5	676.0	820.8	1604.1	3835.9	10558.2	22806.3	26218.4	25005.9
45°	552.6	568.7	611.6	649.2	831.5	1512.9	3680.3	10332.9	23085.3	26207.6	24764.5
47.5°	509.7	531.1	574.0	627.7	751.1	1486.1	3573.1	10134.4	22988.7	25563.9	24008.0
50°	461.4	488.2	547.2	638.5	638.5	1432.4	3460.4	10311.4	22919.0	25064.9	23283.8
52°	429.2	450.6	525.8	622.3	558.0	1319.7	3390.6	10654.8	23203.3	25000.6	22961.9
52.5°	423.8	439.9	509.7	611.6	531.1	1298.3	3342.3	10735.2	23294.5	24839.6	23181.8
55°	375.5	397.0	466.7	477.5	434.6	1067.6	3186.7	10917.6	22843.9	24523.1	22972.6
57.5°	354.1	364.8	413.1	391.7	375.5	804.8	2741.4	10633.3	20290.1	21781.6	21373.9
60°	327.3	338.0	386.3	305.8	316.6	563.3	2060.2	9233.1	16293.3	18149.5	18884.6
62.5°	316.6	311.2	364.8	246.8	268.3	407.7	1453.9	7505.5	12553.9	14941.3	16212.8
65°	279.0	273.6	262.9	209.2	230.7	316.6	869.1	4898.2	8846.7	11303.9	12001.4
67.5°	214.6	225.3	193.2	166.3	193.2	246.8	482.9	2194.3	4640.7	6781.2	7344.6
70°	150.2	161.0	155.6	144.9	171.7	203.9	279.0	751.1	1920.6	3562.3	3927.1
72.5°	91.2	112.7	118.0	123.4	150.2	177.0	198.5	241.4	509.7	1260.8	1566.5
75°	53.6	75.1	91.2	107.3	123.4	150.2	166.3	171.7	177.0	236.1	380.9
77.5°	37.6	53.6	80.5	101.9	123.4	150.2	177.0	187.8	177.0	166.3	177.0
80°	32.2	53.6	75.1	96.5	128.7	155.6	177.0	177.0	171.7	150.2	161.0
82.5°	32.2	53.6	80.5	101.9	123.4	150.2	171.7	177.0	161.0	150.2	155.6
85°	37.6	59.0	85.8	107.3	134.1	123.4	112.7	91.2	85.8	69.8	75.1
87.5°	37.6	53.6	53.6	59.0	64.4	64.4	64.4	59.0	48.3	42.9	42.9
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°	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8	13712.8
2.5°	14984.3	15413.4	15397.3	15408.0	15343.7	14909.1	14699.9	14168.8	14319.0	14254.6
5°	15558.3	15982.1	16346.9	16304.0	15810.4	15220.3	14345.8	13519.6	13294.3	12961.6
7.5°	14984.3	16003.6	16341.6	16293.3	15563.6	14807.2	13412.3	12586.1	12194.4	11974.5
10°	14072.2	15252.4	15671.0	15756.8	15263.2	14115.1	12832.9	11507.8	11298.5	10917.6
12.5°	13551.8	14410.2	14667.7	14898.4	14726.7	13868.3	12393.0	11121.5	10831.8	10579.7
15°	13127.9	13637.7	13744.9	14007.8	14109.7	13648.4	12623.7	11539.9	10826.4	10799.6
17.5°	13519.6	13310.4	12918.7	12999.2	13321.1	13653.7	13219.2	12366.2	11674.1	11588.2
20°	14168.8	13246.0	12360.8	12559.3	12827.6	13846.9	14120.5	13519.6	13122.6	12902.7
22.5°	14914.5	13358.7	12183.7	12280.3	12790.0	14281.5	15579.7	15247.1	14506.8	14190.2
25°	16293.3	13669.8	12323.2	12387.6	13085.0	14887.6	16899.5	17146.3	16706.4	16642.0
27.5°	17639.9	14474.5	12629.0	12484.2	13235.3	15477.8	17698.9	19024.0	18251.5	18101.2
30°	18326.6	15129.1	13085.0	12838.3	13857.6	15837.3	18181.7	20247.2	19571.2	19501.5
32.5°	19378.1	15724.6	13439.2	13122.6	14206.4	16282.6	19083.0	21583.1	20928.6	20579.8
35°	19818.0	16373.8	14217.1	13846.9	15204.2	16904.9	19544.5	22774.1	22570.2	22232.3
37.5°	20665.7	17071.2	15134.5	15113.0	16411.3	17715.0	20376.0	24394.3	24356.8	23772.0
40°	20735.4	17833.0	16583.0	17259.0	18278.3	19125.9	21105.6	24845.0	25456.6	25059.6
42.5°	20842.8	19168.9	19088.4	19646.3	20520.9	20338.4	21132.5	24952.3	25885.7	25649.7
45°	20891.0	20504.7	21636.7	22666.8	23031.6	21926.4	20880.3	24748.4	26111.1	25520.9
47.5°	20504.7	21652.8	23696.9	25687.3	25794.5	22902.9	20773.0	24539.1	26245.2	25853.6
50°	20558.4	22371.7	25478.0	27259.2	26867.5	23766.6	20606.7	24410.4	26175.5	25912.6
52°	20429.6	22387.8	25730.2	27227.0	26953.4	23289.2	20322.4	23916.8	26111.1	26298.9
52.5°	20574.5	22291.3	25467.3	27248.5	26894.4	23525.2	20284.8	24190.5	26148.7	25767.7
55°	20075.6	21143.2	23927.5	24684.0	24630.4	21352.4	19131.4	23283.8	25166.9	25172.2
57.5°	18144.1	18326.6	18766.5	18750.4	18503.6	16786.8	16363.1	21411.4	22436.1	21878.2
60°	15987.5	13417.6	12232.0	11749.1	11475.6	11196.6	14474.5	19587.4	19683.9	19447.8
62.5°	13814.7	9302.7	7725.5	7591.3	7655.8	8675.1	13991.7	18863.1	18283.7	17774.0
65°	11148.4	6781.2	5611.7	5434.6	6062.4	7162.2	11325.4	14463.8	13573.2	13149.5
67.5°	7001.2	4946.4	3793.0	3460.4	4216.8	4930.4	7441.2	9088.2	8090.3	7505.5
70°	4152.5	2763.0	1716.8	1539.8	1732.9	2628.8	4168.5	4533.3	3750.1	3449.7
72.5°	1636.3	1014.0	477.5	407.7	423.8	922.8	1534.4	1496.8	1132.0	1008.6
75°	439.9	305.8	166.3	134.1	112.7	171.7	246.8	161.0	59.0	75.1
77.5°	203.9	182.4	144.9	112.7	85.8	64.4	32.2	10.7	10.7	5.4
80°	177.0	155.6	134.1	112.7	85.8	53.6	26.9	5.4	5.4	5.4
82.5°	166.3	144.9	123.4	101.9	80.5	53.6	26.9	5.4	0.0	0.0
85°	69.8	91.2	101.9	96.5	85.8	53.6	26.9	5.4	0.0	0.0
87.5°	37.6	32.2	26.9	21.5	16.1	10.7	10.7	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)