

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: P455075

Luminaire Tested: **GLAN-SA6B-727-U-SLL**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455075  
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-SA6B-727-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 800mA 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: 24324 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

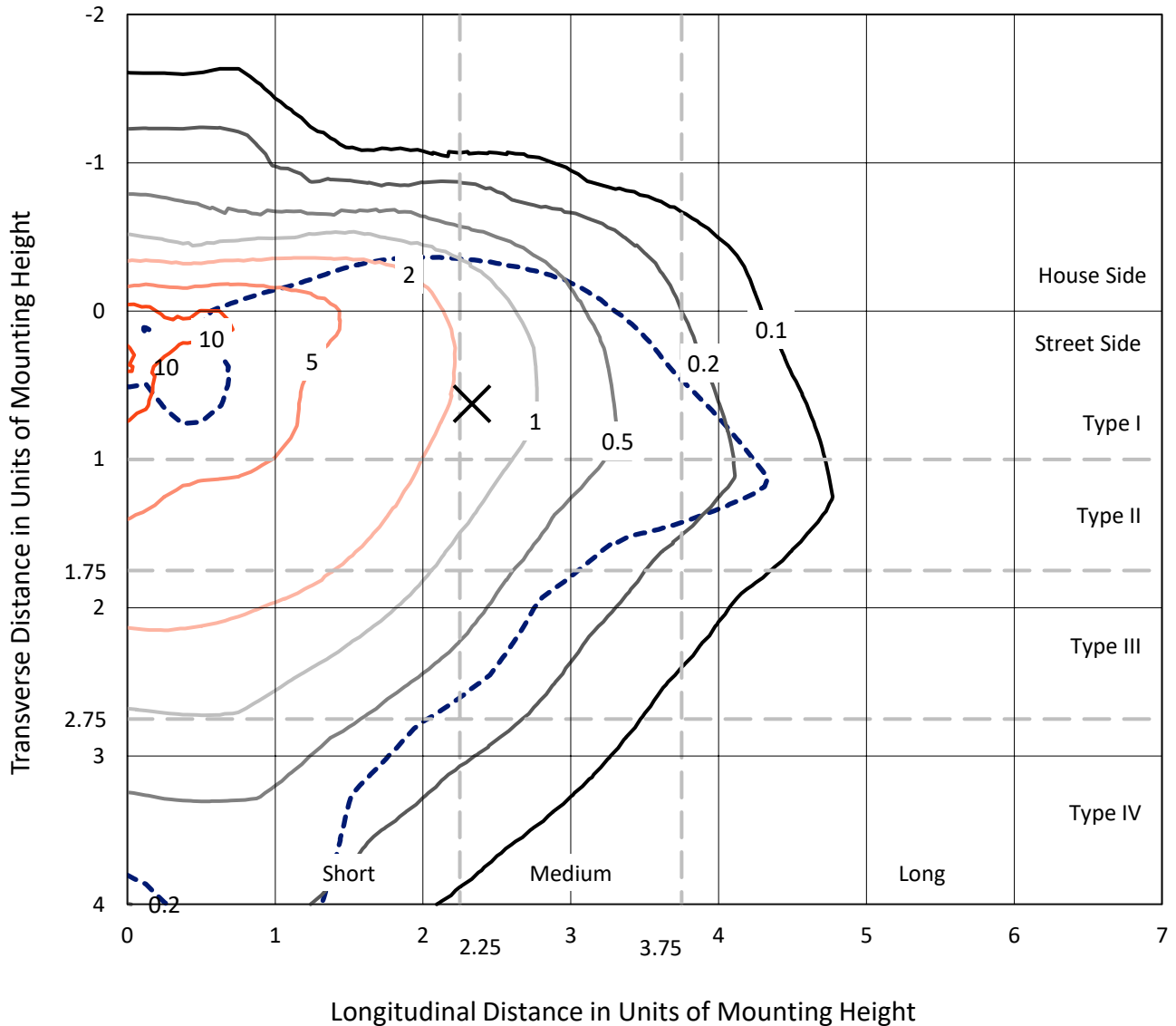
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

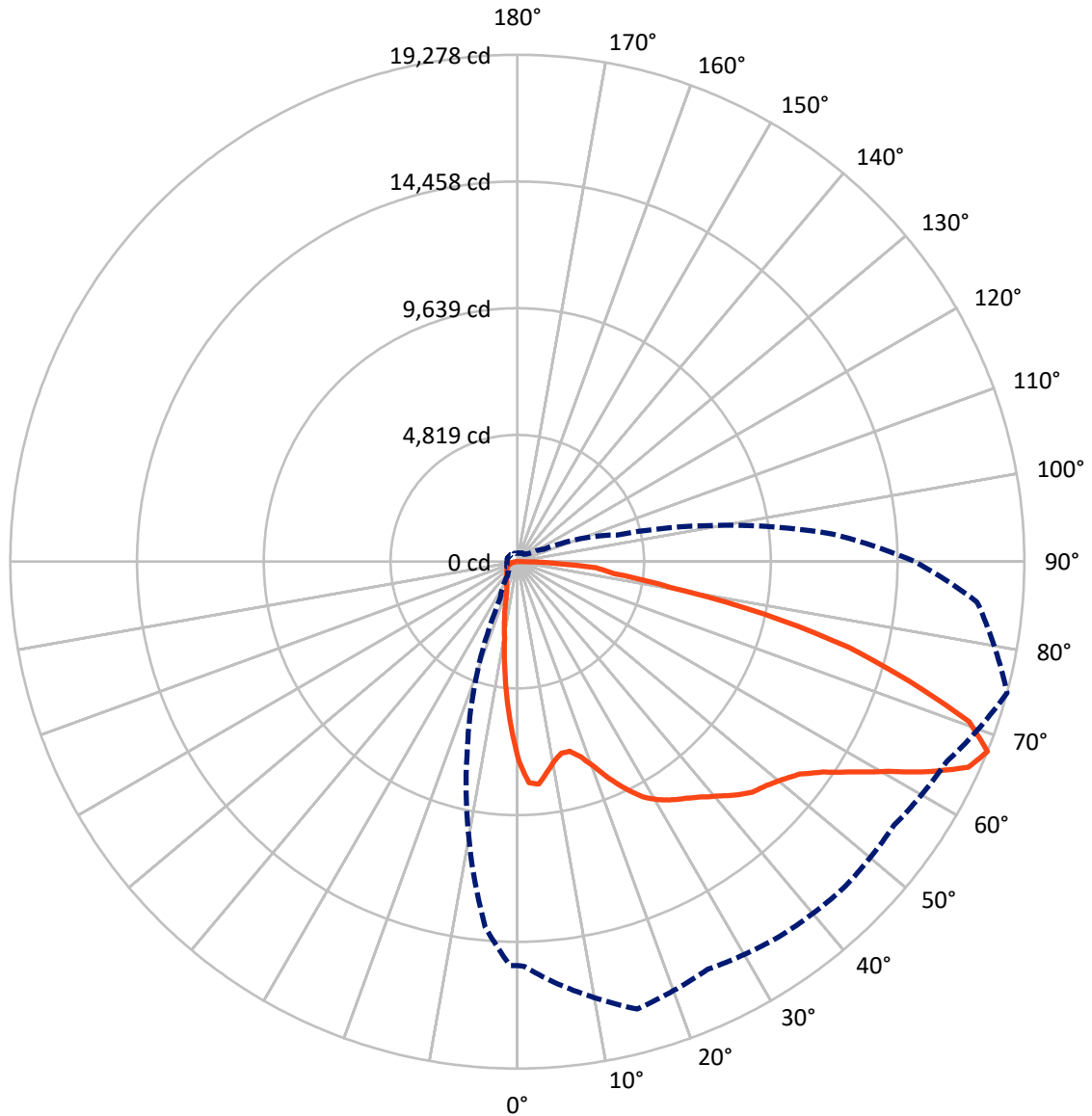
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 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	4111.3	0.0	4111.3
	% Fixture	16.9	0.0	16.9
<b>Street Side</b>	Lumens	20212.7	0.0	20212.7
	% Fixture	83.1	0.0	83.1
<b>Total</b>	Lumens	24324.0	0.0	24324.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	576.4	2.4
10°-20°	1202.1	4.9
20°-30°	1729.8	7.1
30°-40°	2491.4	10.2
40°-50°	3499.8	14.4
50°-60°	4880.9	20.1
60°-70°	5803.1	23.9
70°-80°	3417.7	14.1
80°-90°	722.7	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°	24324.0	100.0
0°-180°	24324.0	100.0

**Coefficient of Utilization**



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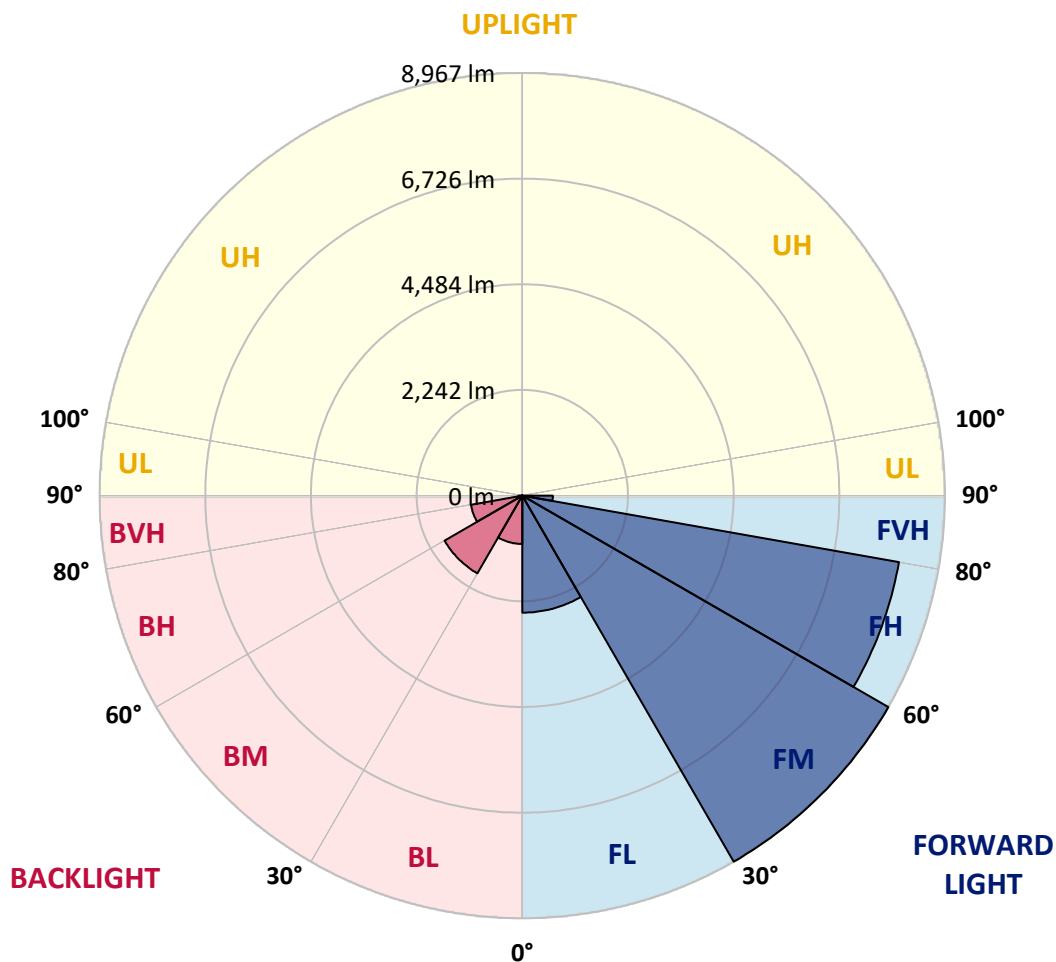
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2482.8	10.2			
FM	(30°-60°)	8967.4	36.9			
FH	(60°-80°)	8114.6	33.4			G4/12000
FVH	(80°-90°)	648.0	2.7			G4/750
BL	(0°-30°)	1025.5	4.2	B3/2500		
BM	(30°-60°)	1904.8	7.8	B2/2500		
BH	(60°-80°)	1106.3	4.5	B3/2500		G3/2500
BVH	(80°-90°)	74.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4
2.5°	8193.7	8204.6	8274.8	8479.1	8619.5	8671.0	8706.9	8639.8	8574.3	8415.2	8175.0
5°	8168.7	8232.7	8415.2	8873.8	9235.6	9391.6	9438.4	9237.2	8905.0	8496.3	8004.9
7.5°	7691.4	7777.2	8058.0	8827.0	9464.9	9829.9	9781.6	9418.1	8819.2	8090.7	7404.4
10°	7125.2	7220.4	7558.8	8488.5	9310.5	9812.8	9812.8	9369.8	8574.3	7708.6	6917.8
12.5°	6676.0	6775.8	7162.6	8140.6	8989.2	9464.9	9544.5	9163.9	8398.0	7466.8	6598.0
15°	6527.8	6624.5	7041.0	7930.1	8649.1	8939.3	8965.8	8841.0	8312.2	7484.0	6584.0
17.5°	6711.9	6836.6	7257.8	7992.5	8337.2	8354.3	8374.6	8472.9	8321.6	7797.5	6867.8
20°	7243.8	7377.9	7817.8	8193.7	8064.2	7886.4	7897.3	8150.0	8432.3	8315.3	7546.4
22.5°	8011.2	8128.2	8579.0	8547.8	7948.8	7582.2	7505.8	7858.3	8596.1	8961.1	8268.6
25°	8839.4	8976.7	9494.6	9073.4	7981.5	7401.3	7352.9	7686.7	8766.1	9564.8	9103.0
27.5°	9787.8	9921.9	10330.6	9603.7	8153.1	7387.3	7329.5	7671.1	8919.0	10123.2	9900.1
30°	10492.8	10616.1	10893.7	10049.9	8363.7	7480.8	7409.1	7794.4	9050.0	10505.3	10676.9
32.5°	11046.6	11174.5	11325.8	10327.5	8641.3	7650.9	7518.3	8019.0	9221.6	10797.0	11252.5
35°	11623.7	11775.0	11764.1	10574.0	8900.3	7847.4	7717.9	8343.4	9491.4	11051.3	11982.5
37.5°	12355.3	12416.1	12338.1	10795.4	9210.7	8201.5	8129.7	8825.4	9875.2	11358.5	12835.7
40°	13097.7	13219.4	12818.5	11063.7	9588.2	8867.5	8859.7	9538.2	10330.6	11718.9	13662.4
42.5°	13734.1	13837.1	13267.7	11297.7	10045.2	9680.2	9739.5	10494.4	10928.0	12136.9	14326.9
45°	14213.0	14305.0	13682.7	11523.9	10647.3	10619.2	10968.6	11519.2	11681.4	12512.8	14716.8
47.5°	14620.1	14709.0	13971.2	11867.0	11391.3	11740.7	12349.0	12587.7	12325.6	12728.0	15153.6
50°	14963.3	14989.8	14169.3	12275.7	12314.7	13114.9	13704.5	13858.9	12962.0	13036.9	15532.6
52.5°	15320.5	15286.1	14510.9	12790.4	13313.0	14418.9	14847.8	15008.5	13571.9	13417.5	16084.8
55°	16120.6	16153.4	15276.8	13439.3	14322.2	15699.5	16264.1	16109.7	14247.3	14117.8	16786.7
57.5°	17087.7	17059.6	16354.6	14454.8	15350.1	16891.2	17312.3	17064.3	15148.9	15080.2	17497.9
60°	17463.6	17501.1	17256.2	15546.6	16364.0	17934.7	18365.2	17979.9	16229.8	16198.6	18034.5
62.5°	17086.2	17296.7	17462.1	16518.4	17228.1	18702.1	19129.5	18689.6	17357.6	17583.7	18410.4
65°	16334.3	16379.6	16942.7	17342.0	17644.6	18828.5	19051.5	18817.5	18299.7	18845.6	18393.3
67.5°	15357.9	15396.9	16056.7	17611.8	17108.0	17393.4	17549.4	17480.8	18008.0	19277.7	17546.3
70°	14428.2	14397.0	15094.3	16923.9	14893.1	14459.4	14588.9	14373.6	15538.8	18221.7	15885.1
72.5°	12618.9	12731.2	13479.9	15011.6	11792.2	11087.1	11369.5	10812.6	11951.3	15605.9	12893.4
75°	9884.5	9911.0	11160.4	12598.6	8895.6	7783.5	8165.6	7933.2	9154.5	13018.2	8903.4
77.5°	6844.4	6785.2	8128.2	9622.5	6343.7	5698.0	5704.2	5593.5	6392.1	9585.0	6048.9
80°	4347.2	4256.7	5088.1	5944.4	4359.7	4663.8	4511.0	4506.3	4161.6	5913.2	3657.8
82.5°	2349.1	2448.9	3214.8	3726.4	3127.4	3604.7	3303.7	3207.0	2856.0	3701.4	2339.7
85°	1070.0	1163.6	1714.2	2534.7	2375.6	2402.1	1605.0	1893.6	2363.1	3005.8	1249.4
87.5°	104.5	134.1	354.1	1196.4	811.1	639.5	238.7	460.1	594.3	1068.5	99.8
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°	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4
2.5°	8076.7	7995.6	7719.5	7491.8	7250.0	7065.9	6825.7	6665.1	6554.3	6387.4	6367.1
5°	7705.5	7507.4	7026.9	6537.2	6114.5	5796.3	5473.4	5177.0	5002.3	4947.7	4877.5
7.5°	7080.0	6746.2	6128.5	5567.0	5081.9	4607.7	4242.7	3983.8	3810.6	3709.2	3587.6
10°	6565.2	6178.4	5426.6	4738.7	4339.4	4044.6	3723.3	3445.6	3231.9	3049.4	2949.6
12.5°	6219.0	5782.2	4936.8	4378.4	4069.5	3756.0	3380.1	3068.1	2753.1	2545.6	2456.7
15°	6114.5	5652.8	4785.5	4199.0	3756.0	3345.8	2924.6	2517.5	2205.6	2009.0	1943.5
17.5°	6370.3	5811.9	4783.9	3960.4	3387.9	2898.1	2358.4	1976.3	1656.5	1509.9	1463.1
20°	6847.6	6117.6	4798.0	3724.8	2988.6	2299.2	1715.8	1402.3	1249.4	1187.0	1163.6
22.5°	7513.6	6584.0	4840.1	3492.4	2551.8	1765.7	1285.3	1126.2	1071.6	1060.7	1056.0
25°	8334.1	7161.1	4982.0	3283.4	2183.7	1347.7	1074.7	1003.0	971.8	960.8	959.3
27.5°	9089.0	7906.7	5153.6	3104.0	1828.1	1162.1	971.8	910.9	879.7	878.2	881.3
30°	9770.6	8530.6	5297.1	2902.8	1558.2	1032.6	904.7	843.9	814.2	812.7	822.0
32.5°	10360.3	9043.8	5403.2	2704.7	1408.5	953.0	843.9	778.3	753.4	748.7	753.4
35°	10990.4	9555.4	5354.8	2550.3	1322.7	887.5	798.6	734.7	705.0	691.0	691.0
37.5°	11709.5	10082.6	5272.2	2422.4	1283.7	832.9	759.6	697.2	667.6	653.6	652.0
40°	12494.1	10609.8	5158.3	2308.5	1244.7	800.2	733.1	667.6	631.7	617.7	614.6
42.5°	13186.6	11060.6	5064.7	2233.6	1180.8	806.4	709.7	645.8	600.5	581.8	580.2
45°	13788.7	11514.5	5047.5	2190.0	1127.7	797.1	703.5	628.6	575.6	555.3	552.2
47.5°	14259.8	11987.1	5145.8	2165.0	1070.0	747.1	744.0	617.7	553.7	531.9	528.8
50°	14833.8	12657.9	5370.4	2113.5	1017.0	700.4	786.1	616.1	536.6	508.5	500.7
52.5°	15598.1	13531.3	5674.6	2021.5	940.6	656.7	750.3	616.1	516.3	488.2	478.9
55°	16753.9	14645.1	5972.5	1892.0	832.9	599.0	677.0	597.4	486.7	461.7	455.5
57.5°	17519.8	15459.3	6162.8	1712.7	698.8	556.9	583.4	567.8	457.0	430.5	430.5
60°	17558.8	15677.6	6072.3	1486.5	614.6	517.9	506.9	572.5	430.5	402.4	399.3
62.5°	17109.6	15142.6	5601.3	1283.7	569.3	475.7	458.6	502.3	404.0	375.9	371.2
65°	16407.6	13777.8	4783.9	1187.0	544.4	438.3	413.3	411.8	375.9	349.4	343.2
67.5°	15117.7	12040.2	3930.7	1130.9	531.9	396.2	372.8	365.0	343.2	321.3	318.2
70°	13216.3	10084.2	3152.4	1107.5	525.7	352.5	333.8	324.4	305.7	288.6	287.0
72.5°	10282.3	8179.6	2601.8	1091.9	522.5	312.0	291.7	279.2	268.3	252.7	252.7
75°	7385.7	6017.7	1985.6	984.2	483.5	268.3	246.4	238.7	223.1	210.6	213.7
77.5°	4656.0	4052.4	1307.1	723.8	374.4	215.3	196.5	191.9	179.4	162.2	173.1
80°	3144.6	2849.8	762.7	455.5	235.5	157.5	151.3	149.7	135.7	117.0	118.5
82.5°	2140.1	2099.5	396.2	258.9	135.7	92.0	88.9	92.0	76.4	62.4	62.4
85°	836.1	1141.8	187.2	101.4	43.7	14.0	20.3	21.8	12.5	6.2	7.8
87.5°	15.6	117.0	4.7	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°	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4
2.5°	6335.9	6321.9	6345.3	6245.5	6265.8	6303.2	6321.9	6332.8	6487.2	6451.4	6549.6
5°	4943.0	4929.0	5019.5	5031.9	5078.7	5069.4	5114.6	5125.5	5181.7	5202.0	5339.2
7.5°	3595.4	3656.2	3759.1	3812.2	3891.7	3916.7	3893.3	3951.0	3834.0	3918.2	3943.2
10°	2888.8	2815.5	2771.8	2893.4	2909.0	3024.5	2977.7	2940.2	3008.9	3012.0	3077.5
12.5°	2405.2	2247.7	2143.2	2177.5	2214.9	2264.8	2272.6	2347.5	2397.4	2444.2	2483.2
15°	1885.8	1831.2	1736.1	1689.3	1742.3	1762.6	1810.9	1873.3	1926.4	1940.4	1993.4
17.5°	1447.5	1456.9	1441.3	1413.2	1445.9	1461.5	1464.7	1466.2	1480.3	1470.9	1548.9
20°	1165.2	1197.9	1236.9	1243.2	1254.1	1261.9	1247.8	1194.8	1196.4	1229.1	1254.1
22.5°	1054.4	1060.7	1104.3	1118.4	1152.7	1138.7	1098.1	1073.1	1070.0	1077.8	1090.3
25°	967.1	976.4	1007.6	1029.5	1056.0	1031.0	1001.4	978.0	974.9	982.7	995.2
27.5°	889.1	903.1	931.2	953.0	978.0	954.6	926.5	906.2	904.7	903.1	910.9
30°	826.7	842.3	862.6	887.5	904.7	884.4	857.9	847.0	845.4	842.3	845.4
32.5°	764.3	789.3	809.5	822.0	839.2	823.6	803.3	797.1	786.1	776.8	772.1
35°	694.1	720.6	751.8	767.4	784.6	769.0	754.9	728.4	709.7	708.2	711.3
37.5°	653.6	664.5	689.4	716.0	733.1	725.3	698.8	672.3	667.6	667.6	670.7
40°	617.7	622.4	633.3	667.6	698.8	675.4	642.6	634.8	634.8	633.3	634.8
42.5°	581.8	586.5	586.5	613.0	662.9	625.5	600.5	600.5	600.5	602.1	606.8
45°	549.1	550.6	549.1	567.8	614.6	583.4	566.2	570.9	574.0	577.1	580.2
47.5°	521.0	522.5	521.0	536.6	560.0	547.5	538.1	544.4	550.6	555.3	558.4
50°	496.0	494.5	497.6	506.9	517.9	521.0	514.7	524.1	527.2	533.5	541.3
52.5°	474.2	472.6	475.7	480.4	496.0	496.0	496.0	503.8	510.1	516.3	527.2
55°	449.2	450.8	455.5	461.7	482.0	478.9	480.4	486.7	492.9	502.3	508.5
57.5°	425.8	428.9	435.2	444.5	464.8	463.3	464.8	467.9	475.7	480.4	486.7
60°	399.3	405.6	413.3	419.6	439.9	438.3	446.1	452.3	457.0	457.0	460.1
62.5°	372.8	382.2	390.0	394.6	416.5	418.0	428.9	433.6	436.7	433.6	438.3
65°	346.3	360.3	363.4	369.7	391.5	393.1	405.6	416.5	413.3	410.2	418.0
67.5°	319.8	336.9	335.4	343.2	365.0	368.1	379.0	397.8	391.5	388.4	394.6
70°	290.1	302.6	304.2	308.8	338.5	333.8	351.0	368.1	363.4	365.0	365.0
72.5°	257.4	268.3	268.3	277.6	308.8	301.0	315.1	333.8	333.8	332.2	332.2
75°	218.4	224.6	230.9	244.9	277.6	268.3	277.6	294.8	297.9	294.8	294.8
77.5°	176.3	185.6	188.7	207.5	230.9	229.3	238.7	246.4	252.7	249.6	249.6
80°	124.8	134.1	146.6	166.9	180.9	185.6	190.3	196.5	199.7	199.7	202.8
82.5°	70.2	84.2	95.1	115.4	121.7	145.1	143.5	148.2	143.5	126.3	140.4
85°	15.6	29.6	42.1	53.0	60.8	84.2	88.9	99.8	82.7	76.4	76.4
87.5°	0.0	0.0	0.0	0.0	0.0	12.5	25.0	34.3	29.6	25.0	25.0
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4	7599.4
2.5°	6632.3	6768.0	6931.8	7214.1	7412.2	7625.9	7841.2	8070.5	8131.3	8193.7
5°	5376.7	5643.4	5788.5	6167.5	6565.2	7070.6	7484.0	7936.3	8125.0	8168.7
7.5°	4072.7	4253.6	4634.2	5017.9	5510.8	6041.1	6674.4	7379.5	7599.4	7691.4
10°	3228.8	3475.3	3809.1	4220.8	4652.9	5223.8	5938.2	6761.8	7073.7	7125.2
12.5°	2748.4	3022.9	3386.3	3821.5	4230.2	4660.7	5381.3	6231.4	6565.2	6676.0
15°	2197.8	2530.0	2949.6	3408.2	3852.7	4323.8	5053.8	6013.1	6398.3	6527.8
17.5°	1726.7	1995.0	2448.9	2946.5	3473.7	4069.5	4985.2	6117.6	6591.8	6711.9
20°	1321.2	1513.0	1895.2	2420.8	3038.5	3818.4	5002.3	6512.2	7080.0	7243.8
22.5°	1141.8	1240.0	1472.5	1973.2	2664.2	3600.0	5072.5	7053.5	7738.2	8011.2
25°	1034.2	1085.6	1216.7	1544.2	2307.0	3387.9	5233.2	7781.9	8658.5	8839.4
27.5°	942.1	979.6	1060.7	1296.2	1982.5	3191.4	5420.3	8589.9	9518.0	9787.8
30°	854.8	904.7	981.1	1151.1	1775.1	3012.0	5655.9	9245.0	10241.7	10492.8
32.5°	787.7	837.6	907.8	1049.8	1598.8	2823.3	5796.3	9820.6	10832.9	11046.6
35°	733.1	775.2	848.5	968.6	1464.7	2679.8	5768.2	10277.6	11405.3	11623.7
37.5°	694.1	730.0	803.3	892.2	1363.3	2530.0	5754.1	10881.2	12102.6	12355.3
40°	658.2	695.7	762.7	842.3	1261.9	2353.8	5761.9	11480.2	12845.0	13097.7
42.5°	630.2	672.3	726.9	828.3	1157.4	2211.8	5761.9	12001.2	13490.8	13734.1
45°	606.8	652.0	705.0	826.7	1074.7	2104.2	5722.9	12448.8	14005.5	14213.0
47.5°	586.5	636.4	712.8	798.6	1054.4	2026.2	5688.6	12807.6	14425.1	14620.1
50°	572.5	631.7	758.1	765.9	1060.7	2002.8	5854.0	13259.9	14794.8	14963.3
52.5°	561.5	633.3	756.5	717.5	1049.8	2018.4	6198.7	13966.5	15308.0	15320.5
55°	539.7	631.7	717.5	662.9	1004.5	2044.9	6641.7	14992.9	16111.3	16120.6
57.5°	517.9	614.6	666.0	616.1	912.5	2044.9	7175.1	15964.7	17079.9	17087.7
60°	496.0	639.5	584.9	575.6	792.4	2007.5	7738.2	16392.0	17384.1	17463.6
62.5°	474.2	644.2	522.5	539.7	705.0	1917.0	8157.8	15919.4	16972.3	17086.2
65°	449.2	519.4	482.0	502.3	659.8	1765.7	8025.2	15053.7	16198.6	16334.3
67.5°	419.6	439.9	438.3	463.3	644.2	1542.7	7326.4	13958.7	15365.7	15357.9
70°	383.7	394.6	399.3	425.8	614.6	1369.5	6105.1	12537.8	14253.5	14428.2
72.5°	346.3	355.6	360.3	383.7	584.9	1271.2	4738.7	10580.2	12345.9	12618.9
75°	305.7	312.0	318.2	338.5	553.7	1126.2	3375.4	8076.7	9455.6	9884.5
77.5°	263.6	263.6	271.4	291.7	466.4	929.6	2264.8	5665.2	6406.1	6844.4
80°	213.7	215.3	212.1	234.0	343.2	636.4	1286.8	3784.1	4263.0	4347.2
82.5°	163.8	159.1	160.7	171.6	255.8	433.6	686.3	2350.6	2395.9	2349.1
85°	102.9	102.9	99.8	112.3	163.8	226.2	374.4	1439.7	1124.6	1070.0
87.5°	42.1	34.3	39.0	45.2	78.0	92.0	146.6	296.4	113.9	104.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)