

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: P382638

Luminaire Tested: **GAN-SA0B-735-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382638  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0B-735-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39062.6 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

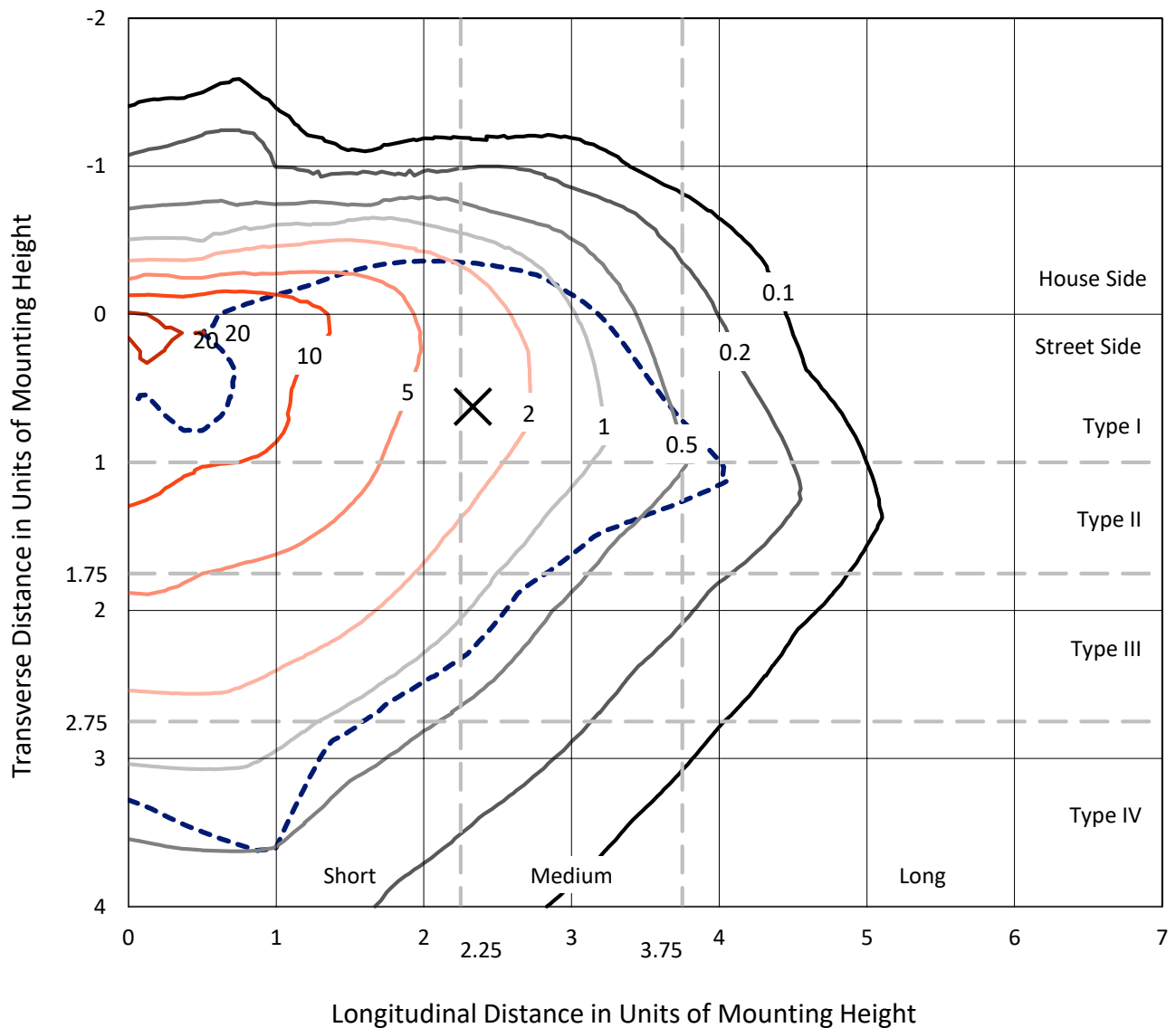
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

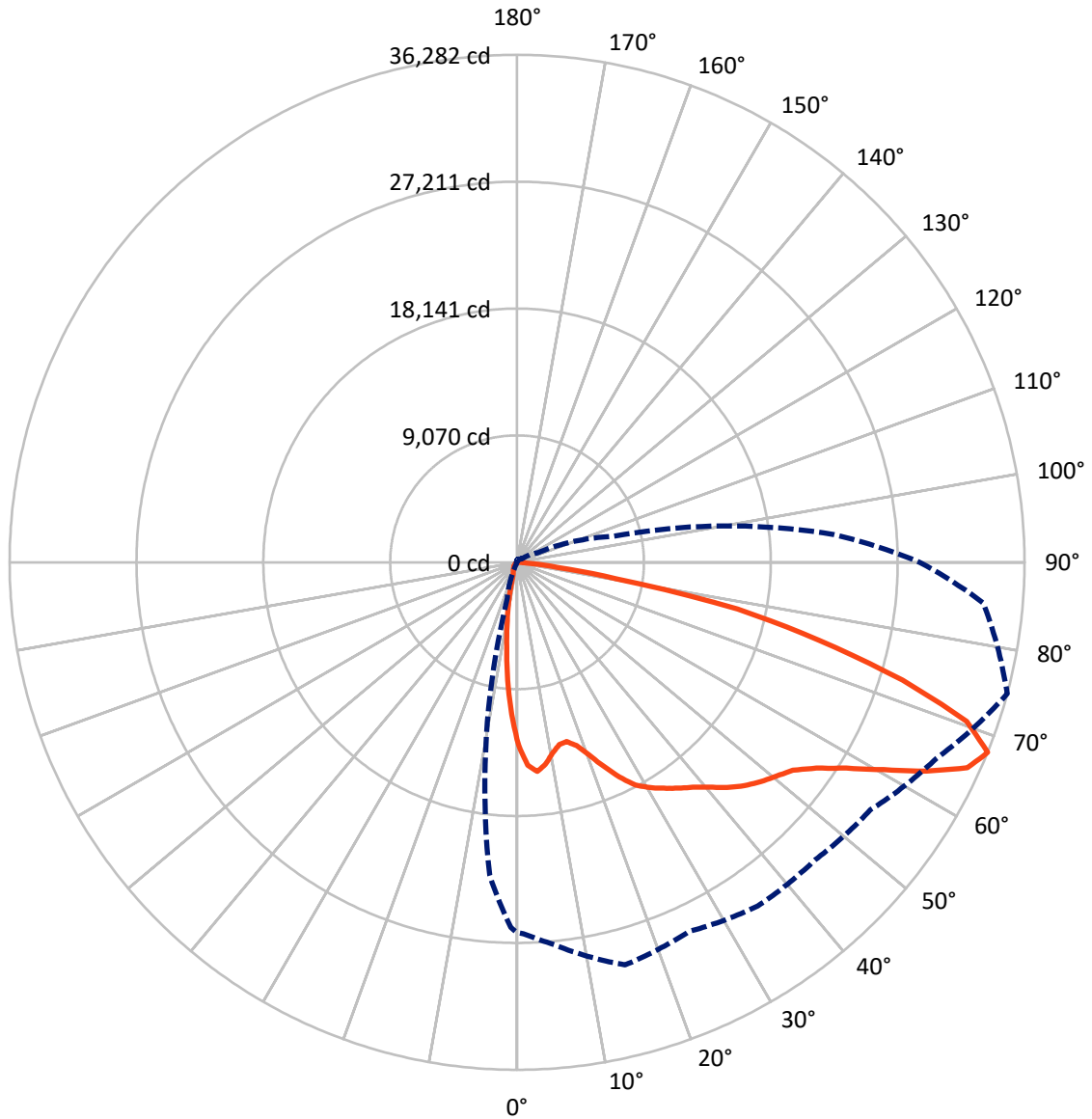
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27.2 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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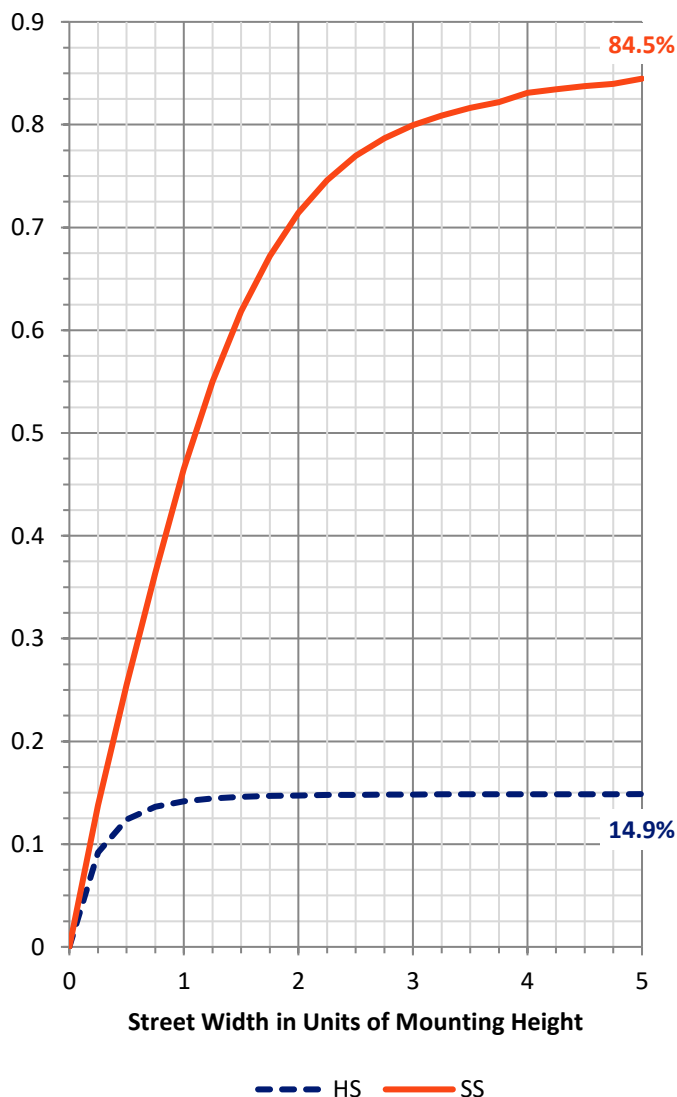
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5861.7	0.0	5861.7
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	33200.8	0.0	33200.8
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	39062.6	0.0	39062.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	994.1	2.5
10°-20°	1957.3	5.0
20°-30°	2769.1	7.1
30°-40°	4071.3	10.4
40°-50°	5851.8	15.0
50°-60°	8237.8	21.1
60°-70°	9621.0	24.6
70°-80°	4908.3	12.6
80°-90°	652.0	1.7
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°	39062.6	100.0
0°-180°	39062.6	100.0

**Coefficient of Utilization**

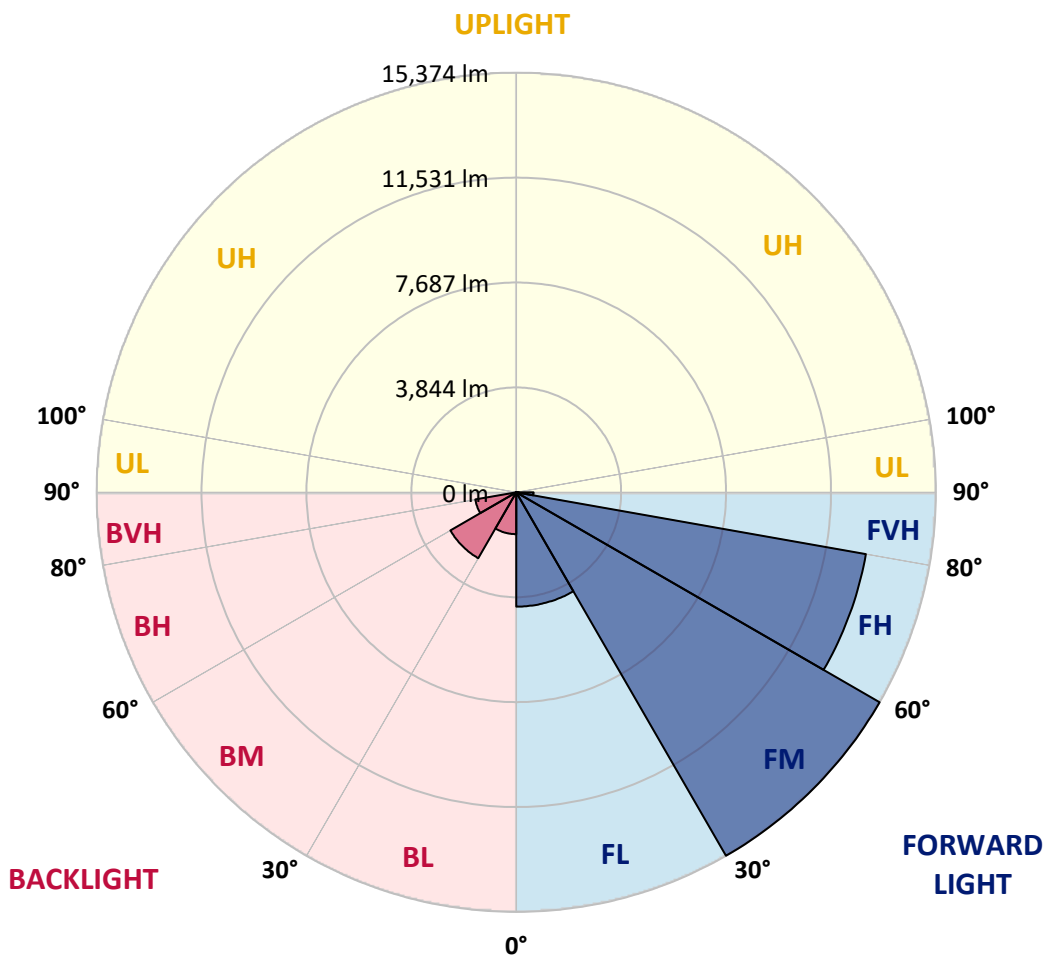


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4187.5	10.7			
FM (30°-60°)	15374.3	39.4			
FH (60°-80°)	13006.7	33.3			G5
FVH (80°-90°)	632.3	1.6			G4/750
BL (0°-30°)	1532.9	3.9	B3/2500		
BM (30°-60°)	2786.5	7.1	B3/5000		
BH (60°-80°)	1522.6	3.9	B3/2500		G3/2500
BVH (80°-90°)	19.8	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-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8
2.5°	14205.8	14228.1	14342.8	14609.3	14899.7	14922.0	15118.1	14916.4	14847.9	14522.3	14185.5
5°	14313.1	14398.3	14792.4	15575.2	16254.3	16472.6	16628.0	16232.0	15815.7	15020.0	14170.7
7.5°	13449.0	13591.5	14211.4	15680.6	16894.5	17431.1	17532.9	16913.1	15893.4	14583.4	13306.5
10°	12342.4	12505.3	13252.8	15058.9	16726.1	17645.8	17786.4	16974.1	15508.6	13876.4	12372.1
12.5°	11446.9	11637.5	12401.7	14359.4	16147.0	17164.7	17442.3	16768.7	15175.5	13375.0	11733.7
15°	11034.2	11252.5	12055.6	13907.9	15504.9	16306.1	16535.5	16245.1	14990.5	13295.4	11585.7
17.5°	11271.1	11507.9	12336.9	13946.8	14901.6	15243.9	15428.9	15547.4	14990.5	13774.7	12018.6
20°	12242.5	12497.9	13375.0	14340.9	14402.0	14274.3	14472.3	14888.6	15164.4	14685.1	13058.5
22.5°	13586.0	13885.7	14875.7	15016.4	14157.8	13674.7	13700.6	14353.8	15480.8	15839.8	14501.9
25°	15223.6	15590.0	16596.6	16023.0	14259.5	13317.6	13308.4	13913.5	15789.8	16996.3	16109.9
27.5°	16850.1	17253.6	18138.1	17251.7	14679.5	13252.8	13234.4	13780.2	16091.5	18025.2	17866.1
30°	18213.9	18606.2	19368.6	18141.7	15132.9	13404.6	13315.8	13922.7	16271.0	18693.2	19146.6
32.5°	19324.2	19638.7	20254.9	18754.2	15617.8	13698.8	13506.4	14303.9	16576.2	19257.5	20323.4
35°	20545.5	20876.7	21122.7	19337.2	16161.8	14122.5	13846.9	14909.0	17046.3	19831.2	21613.1
37.5°	21938.9	22268.2	22238.6	19870.0	16852.0	14823.9	14648.1	15867.5	17777.2	20399.3	23052.8
40°	23302.6	23639.4	23398.8	20453.0	17662.4	15980.4	15850.8	17307.2	18756.1	21126.5	24740.4
42.5°	24579.4	24944.0	24429.6	21004.3	18628.4	17438.6	17660.7	19161.3	19981.0	22022.1	26194.8
45°	25608.2	25980.2	25293.7	21541.0	19646.2	19207.6	19875.6	21215.3	21454.0	22778.9	27177.4
47.5°	26355.8	26707.5	25893.2	22077.6	20948.8	21370.7	22534.7	23369.3	22784.5	23435.9	27875.1
50°	26833.2	27107.1	26069.0	22749.3	22658.7	23894.8	25304.8	25711.9	24037.3	24028.0	28722.6
52.5°	27136.7	27260.7	26198.6	23450.7	24442.5	26642.6	28017.5	28145.2	25327.0	24679.3	29864.3
55°	28182.2	28282.2	27116.4	24300.0	25917.3	29050.1	30471.2	30352.8	26787.0	25954.3	31211.4
57.5°	29966.0	30071.6	29013.1	25521.3	27110.8	30537.8	32249.5	32462.3	28498.6	27745.5	32654.7
60°	30861.7	31057.8	30680.3	27068.3	28267.3	31489.0	33461.6	34140.7	30637.8	30106.7	34053.7
62.5°	30049.3	30334.3	30882.0	28783.6	29416.5	32012.6	33839.0	34742.1	32828.7	32858.3	34916.0
65°	28428.3	28656.0	29584.8	29723.6	30082.7	31947.9	32906.5	33901.9	34170.3	35386.0	34869.7
67.5°	26470.6	26555.7	27344.0	29797.7	29116.7	30001.2	30104.8	30841.3	33110.0	36281.6	33468.9
70°	23652.4	23698.6	24387.0	27320.0	25021.6	25216.0	25062.4	25212.2	28465.4	34100.0	29932.8
72.5°	19035.5	19152.1	20130.9	22688.3	18228.7	17668.0	18874.6	18807.9	21922.2	28809.5	22231.2
75°	14015.2	14216.9	15695.5	18275.0	12794.0	11572.7	12453.5	12688.5	15584.4	22284.9	13902.4
77.5°	9812.9	9962.8	11395.1	13434.2	9259.6	8275.2	7956.9	8236.3	10286.6	16121.1	7003.9
80°	5653.1	5708.6	6622.7	7757.1	6239.7	7139.0	6467.3	6659.7	6163.9	7172.4	3012.5
82.5°	3699.0	3708.3	4065.5	4616.8	3886.0	4515.1	3341.9	4272.6	3791.6	2881.2	980.7
85°	1998.4	2009.5	2357.5	3277.1	2200.1	1243.5	730.9	1500.7	2344.5	660.7	268.3
87.5°	220.2	201.7	710.6	1191.7	610.6	112.9	38.8	168.4	375.6	42.6	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°	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8
2.5°	14013.4	13859.8	13476.8	13071.5	12745.8	12440.5	12133.3	11757.7	11467.2	11408.0	11311.8
5°	13713.6	13227.0	12423.9	11617.1	10967.6	10147.8	9627.8	9222.6	8826.6	8802.6	8723.0
7.5°	12666.3	12026.0	10895.4	9779.6	8865.4	8084.6	7296.3	6768.9	6354.5	6208.2	6121.3
10°	11659.6	10939.8	9528.0	8254.8	7438.8	6748.6	6193.4	5642.0	5142.4	4798.2	4642.7
12.5°	10956.5	10160.8	8604.5	7507.2	6922.5	6267.5	5590.2	4901.8	4326.3	3911.8	3658.3
15°	10684.5	9835.1	8295.5	7211.2	6489.5	5660.5	4794.5	4008.1	3369.7	2994.0	2766.4
17.5°	11008.3	10020.1	8271.5	6850.3	5841.8	4811.2	3854.5	2925.5	2324.1	2039.2	1893.0
20°	11829.9	10608.6	8262.3	6408.1	5072.1	3804.5	2610.9	1924.5	1559.9	1400.8	1332.3
22.5°	12991.9	11359.9	8336.2	5971.4	4270.9	2718.3	1802.4	1413.7	1226.8	1141.7	1102.9
25°	14487.1	12414.6	8545.4	5575.4	3517.7	2028.1	1404.5	1184.3	1052.9	986.3	958.6
27.5°	16080.4	13628.5	8871.0	5231.2	2905.2	1617.3	1202.8	1014.1	919.6	873.4	847.5
30°	17394.1	15034.8	9200.4	4848.1	2461.1	1410.0	1101.0	925.2	816.0	786.4	762.4
32.5°	18543.3	16098.8	9433.6	4502.2	2170.6	1252.7	995.5	827.1	753.2	695.8	669.9
35°	19733.1	16985.2	9426.1	4259.7	1970.7	1134.3	906.7	740.2	651.3	584.7	564.4
37.5°	21021.0	17986.3	9265.2	4052.5	1883.8	1040.0	856.7	693.9	605.1	538.4	512.5
40°	22529.1	19037.4	9100.5	3858.2	1859.6	964.1	821.6	656.9	562.6	497.7	471.8
42.5°	23998.3	19984.8	8956.2	3713.8	1756.1	962.2	790.1	629.2	529.2	466.3	436.7
45°	25173.4	20867.4	8928.4	3626.9	1646.9	995.5	773.5	610.6	503.3	440.4	412.7
47.5°	26150.4	21826.0	9106.1	3565.8	1543.3	908.5	814.2	597.7	479.3	418.2	386.8
50°	27312.5	23002.8	9524.2	3465.9	1434.1	817.9	932.7	601.4	458.9	396.0	362.7
52.5°	28933.5	24631.2	10138.6	3297.5	1284.2	734.6	917.9	605.1	436.7	372.0	338.6
55°	30750.7	26664.9	10799.2	3018.0	1075.1	625.4	786.4	579.1	394.1	346.1	314.6
57.5°	32660.3	28509.7	11191.4	2685.0	854.9	540.3	629.2	527.3	347.8	310.9	290.5
60°	32960.1	29211.1	11012.0	2276.1	679.1	470.0	466.3	536.7	310.9	273.9	259.1
62.5°	32214.3	28330.2	10144.1	1911.5	568.1	412.7	383.1	468.2	281.2	244.3	229.4
65°	30780.3	25948.7	8737.8	1722.8	527.3	353.4	318.3	329.4	246.1	212.8	199.8
67.5°	28785.5	22769.7	7174.1	1615.4	521.9	303.5	272.0	249.8	212.8	185.0	173.9
70°	24707.1	18968.9	5723.4	1556.2	507.0	255.3	229.4	203.5	177.6	157.2	148.0
72.5°	18184.3	13441.6	4452.1	1491.5	510.8	203.5	199.8	168.4	142.5	122.1	118.4
75°	10506.8	7679.3	2920.0	1208.3	486.6	157.2	166.6	118.4	100.0	85.1	85.1
77.5°	5599.4	4683.4	1112.1	503.3	177.6	100.0	94.4	70.3	62.9	51.8	49.9
80°	2440.7	2061.4	334.9	140.7	98.1	53.7	35.1	31.5	27.8	22.2	20.4
82.5°	864.2	745.7	109.2	68.5	42.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	196.2	140.7	0.0	16.7	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°	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8
2.5°	11115.6	11074.9	10834.4	10843.6	10886.2	10947.2	10802.9	10869.5	11049.0	11221.0	11285.9
5°	8595.3	8604.5	8458.4	8549.0	8630.4	8685.9	8452.9	8456.5	8599.0	8793.3	8895.1
7.5°	6056.5	6041.7	6049.1	6265.6	6419.2	6308.2	6395.2	6093.5	6112.0	6250.8	6147.2
10°	4502.2	4298.5	4183.9	4346.7	4515.1	4454.0	4304.1	4206.0	4274.5	4428.1	4417.0
12.5°	3538.0	3245.7	3073.5	2957.0	3095.8	2981.0	2977.3	2892.3	2799.7	2816.3	3062.5
15°	2661.0	2448.1	2244.6	2057.7	2054.0	2015.1	1817.2	1595.1	1576.6	1587.6	1715.4
17.5°	1830.1	1757.9	1674.6	1513.7	1471.1	1308.3	1115.8	1027.0	982.6	1002.9	1045.5
20°	1286.1	1258.3	1267.6	1180.6	1119.5	964.1	851.2	816.0	808.7	829.0	849.4
22.5°	1065.9	1015.9	1010.4	971.5	910.4	797.5	736.5	716.1	706.9	725.4	740.2
25°	932.7	882.6	862.3	838.2	773.5	695.8	658.8	640.3	631.0	642.1	651.3
27.5°	821.6	775.3	756.8	740.2	677.2	621.7	592.2	575.5	568.1	571.8	581.0
30°	738.3	697.6	673.6	653.2	599.5	560.7	534.8	518.1	510.8	510.8	520.0
32.5°	651.3	629.2	606.9	581.0	531.1	505.2	479.3	460.7	453.4	455.2	462.6
35°	542.2	534.8	540.3	516.3	473.7	451.5	425.6	405.2	399.7	401.6	408.9
37.5°	481.1	447.8	468.2	455.2	431.1	401.6	368.2	349.7	340.5	346.1	349.7
40°	442.3	401.6	386.8	399.7	396.0	347.8	318.3	299.8	292.4	294.2	297.9
42.5°	408.9	360.9	327.5	325.7	347.8	303.5	272.0	255.3	246.1	246.1	249.8
45°	377.5	325.7	285.0	253.5	292.4	257.2	227.6	212.8	201.7	201.7	203.5
47.5°	353.4	296.0	248.0	207.3	220.2	211.0	186.9	172.1	161.0	161.0	162.8
50°	331.3	266.4	214.6	173.9	164.7	173.9	151.7	135.1	127.7	125.9	129.5
52.5°	307.1	236.9	183.2	148.0	129.5	131.3	118.4	107.3	98.1	98.1	101.8
55°	283.1	212.8	159.1	125.9	107.3	98.1	94.4	87.0	79.6	79.6	83.3
57.5°	259.1	186.9	135.1	103.6	85.1	77.7	77.7	72.2	66.6	66.6	70.3
60°	236.9	161.0	111.0	85.1	66.6	64.7	66.6	61.1	57.4	57.4	61.1
62.5°	211.0	136.9	90.6	70.3	53.7	51.8	57.4	53.7	49.9	49.9	53.7
65°	179.5	116.5	72.2	53.7	40.7	40.7	48.1	44.4	40.7	40.7	44.4
67.5°	151.7	98.1	55.5	38.8	29.6	31.5	40.7	37.0	35.1	35.1	38.8
70°	125.9	75.8	38.8	24.0	16.7	24.0	31.5	31.5	31.5	31.5	35.1
72.5°	94.4	51.8	22.2	9.2	7.4	16.7	25.9	29.6	27.8	27.8	33.3
75°	61.1	29.6	7.4	0.0	0.0	9.2	20.4	24.0	24.0	22.2	27.8
77.5°	35.1	9.2	0.0	0.0	0.0	0.0	12.9	11.1	9.2	7.4	12.9
80°	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8	13104.8
2.5°	11546.7	11765.1	12072.3	12398.0	12899.4	13297.3	13687.7	14022.7	14152.2	14205.8
5°	9139.3	9459.5	9909.2	10486.4	11391.3	12205.5	13030.8	13861.6	14222.5	14313.1
7.5°	6558.0	6967.0	7538.7	8262.3	9322.6	10377.3	11530.1	12749.5	13308.4	13449.0
10°	4853.7	5353.3	6008.4	6770.8	7783.0	8867.3	10123.8	11517.2	12155.6	12342.4
12.5°	3443.7	4119.1	4996.2	5923.2	6800.4	7768.2	9039.4	10575.3	11245.2	11446.9
15°	2022.6	2675.8	3713.8	4955.5	6078.7	7059.5	8351.0	10092.3	10830.6	11034.2
17.5°	1160.2	1485.9	2270.5	3654.6	5179.4	6537.6	8134.6	10212.6	11082.3	11271.1
20°	886.4	990.0	1308.3	2353.7	4128.3	6025.1	8134.6	10893.5	11965.0	12242.5
22.5°	775.3	851.2	980.7	1404.5	3038.4	5475.5	8228.9	11878.0	13278.7	13586.0
25°	688.3	756.8	867.8	1056.6	2072.5	4822.2	8452.9	13086.3	14825.8	15223.6
27.5°	616.2	681.0	780.9	925.2	1417.4	4034.0	8754.4	14503.7	16531.8	16850.1
30°	551.5	612.5	703.1	805.0	1093.6	3140.2	9011.7	15839.8	17871.6	18213.9
32.5°	490.4	545.9	627.3	703.1	895.6	2322.3	9039.4	16898.3	18983.7	19324.2
35°	433.0	483.0	557.0	616.2	742.1	1833.8	8608.2	17816.0	20095.8	20545.5
37.5°	377.5	425.6	490.4	534.8	653.2	1495.1	7949.5	18839.3	21522.5	21938.9
40°	325.7	368.2	434.8	464.5	618.1	1149.2	7233.4	19912.6	22921.4	23302.6
42.5°	277.6	318.3	383.1	440.4	542.2	858.6	6459.9	20919.2	24179.7	24579.4
45°	231.3	273.9	338.6	466.3	449.7	642.1	5632.8	21587.2	25173.4	25608.2
47.5°	186.9	235.0	323.8	444.1	359.0	471.8	4977.7	22220.1	25926.6	26355.8
50°	149.9	198.0	364.5	396.0	294.2	360.9	4703.8	22786.3	26420.6	26833.2
52.5°	122.1	166.6	344.2	303.5	246.1	297.9	4851.9	23704.2	26877.7	27136.7
55°	101.8	131.3	207.3	211.0	209.1	253.5	5035.0	25021.6	28060.1	28182.2
57.5°	88.8	105.5	144.3	162.8	175.8	225.7	5038.7	26912.8	29890.2	29966.0
60°	75.8	92.5	120.3	131.3	151.7	201.7	4855.6	27573.4	30610.0	30861.7
62.5°	66.6	81.4	100.0	109.2	127.7	181.4	4426.2	26616.7	29621.9	30049.3
65°	59.2	74.1	83.3	92.5	112.9	162.8	3719.4	24703.4	27982.4	28428.3
67.5°	51.8	64.7	74.1	83.3	101.8	144.3	2738.7	22481.0	26100.5	26470.6
70°	46.3	57.4	66.6	74.1	88.8	122.1	1661.7	19076.2	23498.8	23652.4
72.5°	44.4	51.8	61.1	66.6	77.7	107.3	841.9	14019.0	18785.7	19035.5
75°	38.8	46.3	55.5	59.2	68.5	92.5	342.3	9207.8	13613.7	14015.2
77.5°	31.5	42.6	49.9	53.7	59.2	75.8	173.9	5884.4	9553.9	9812.9
80°	11.1	31.5	42.6	44.4	49.9	55.5	114.8	3221.7	5542.1	5653.1
82.5°	0.0	20.4	33.3	31.5	35.1	42.6	74.1	1532.2	3658.3	3699.0
85°	0.0	9.2	25.9	20.4	14.8	29.6	25.9	334.9	1918.9	1998.4
87.5°	0.0	0.0	1.9	9.2	7.4	11.1	3.7	1.9	173.9	220.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)