

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: P324132

Luminaire Tested: **GAN-SA8C-730-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324132  
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-SA8C-730-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 1050mA 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: 38272 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

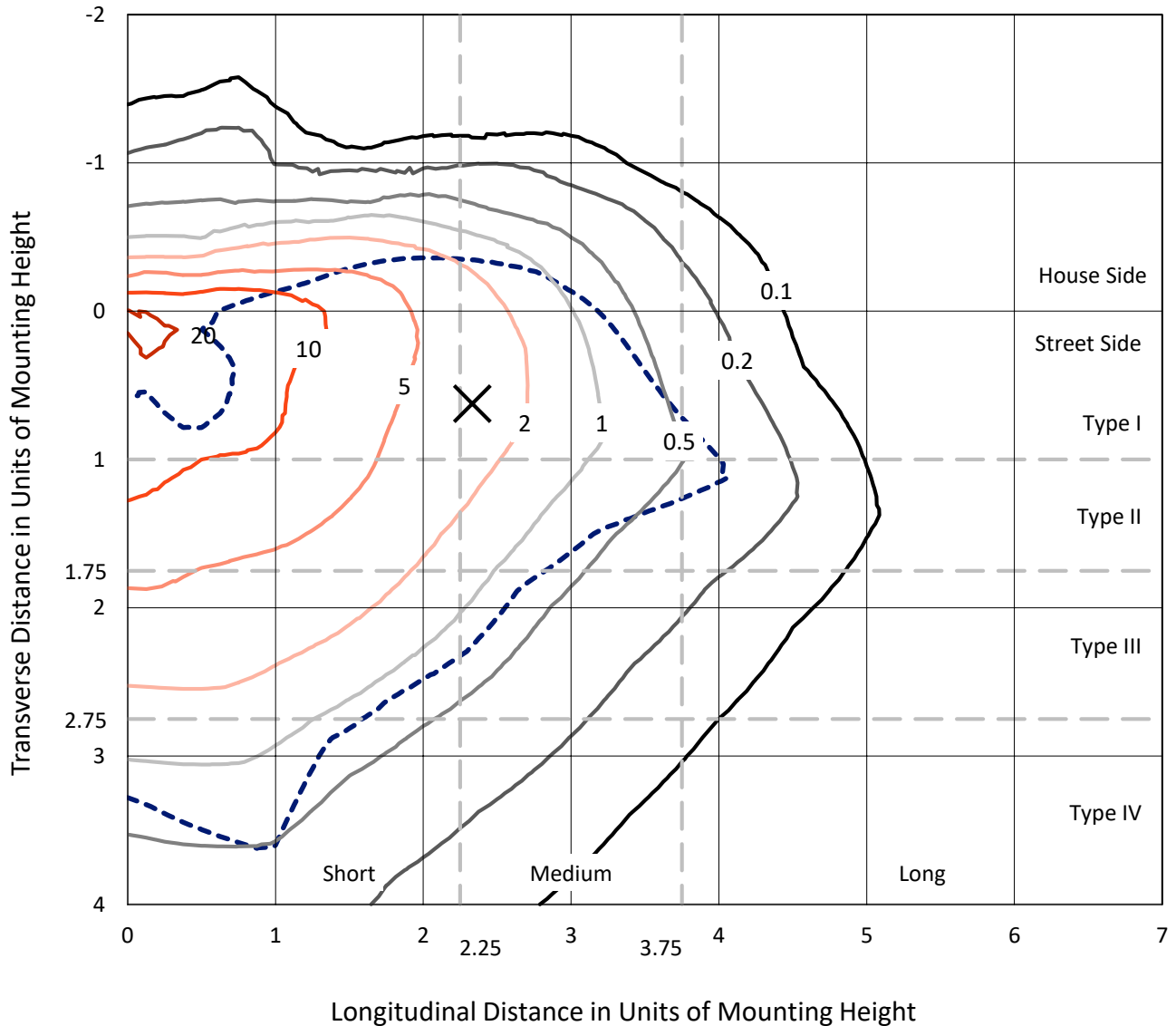
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

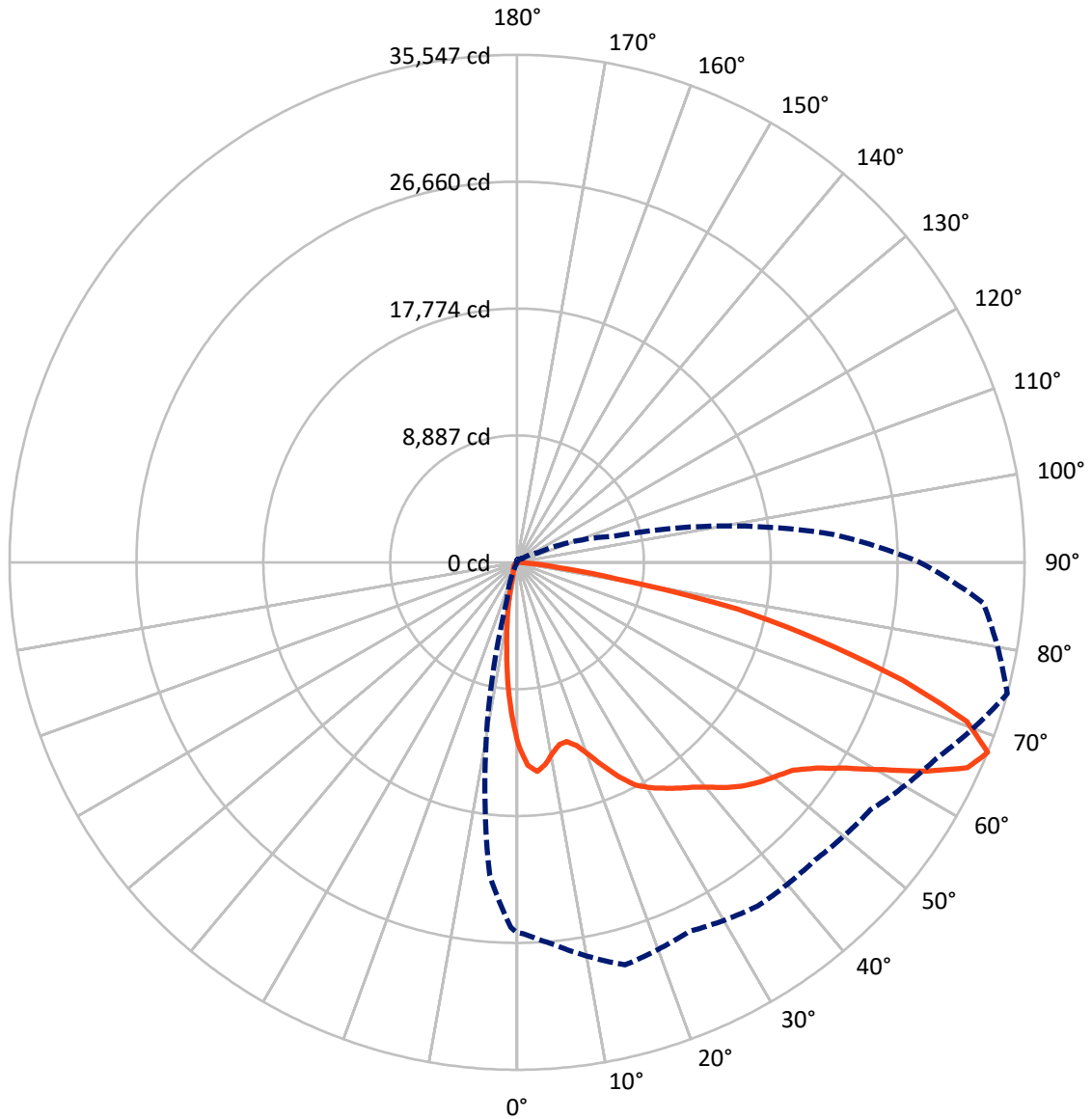
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.6 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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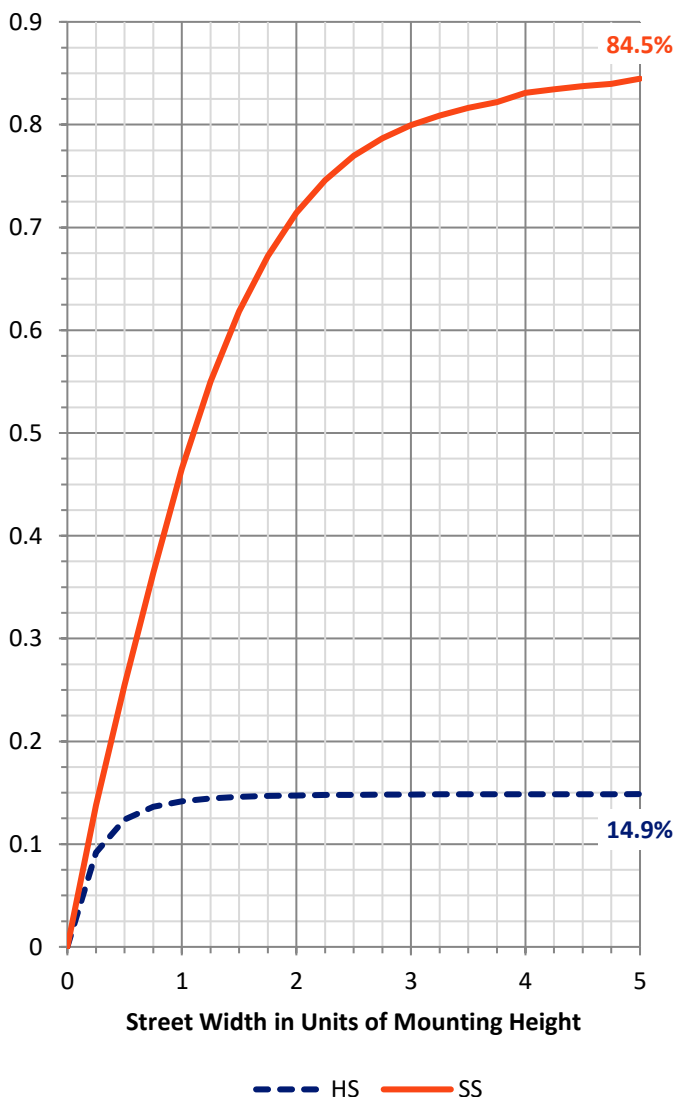
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5743.1	0.0	5743.1
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	32528.9	0.0	32528.9
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	38272.0	0.0	38272.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	973.9	2.5
10°-20°	1917.7	5.0
20°-30°	2713.0	7.1
30°-40°	3988.9	10.4
40°-50°	5733.3	15.0
50°-60°	8071.0	21.1
60°-70°	9426.3	24.6
70°-80°	4809.0	12.6
80°-90°	638.8	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°	38272.0	100.0
0°-180°	38272.0	100.0

**Coefficient of Utilization**

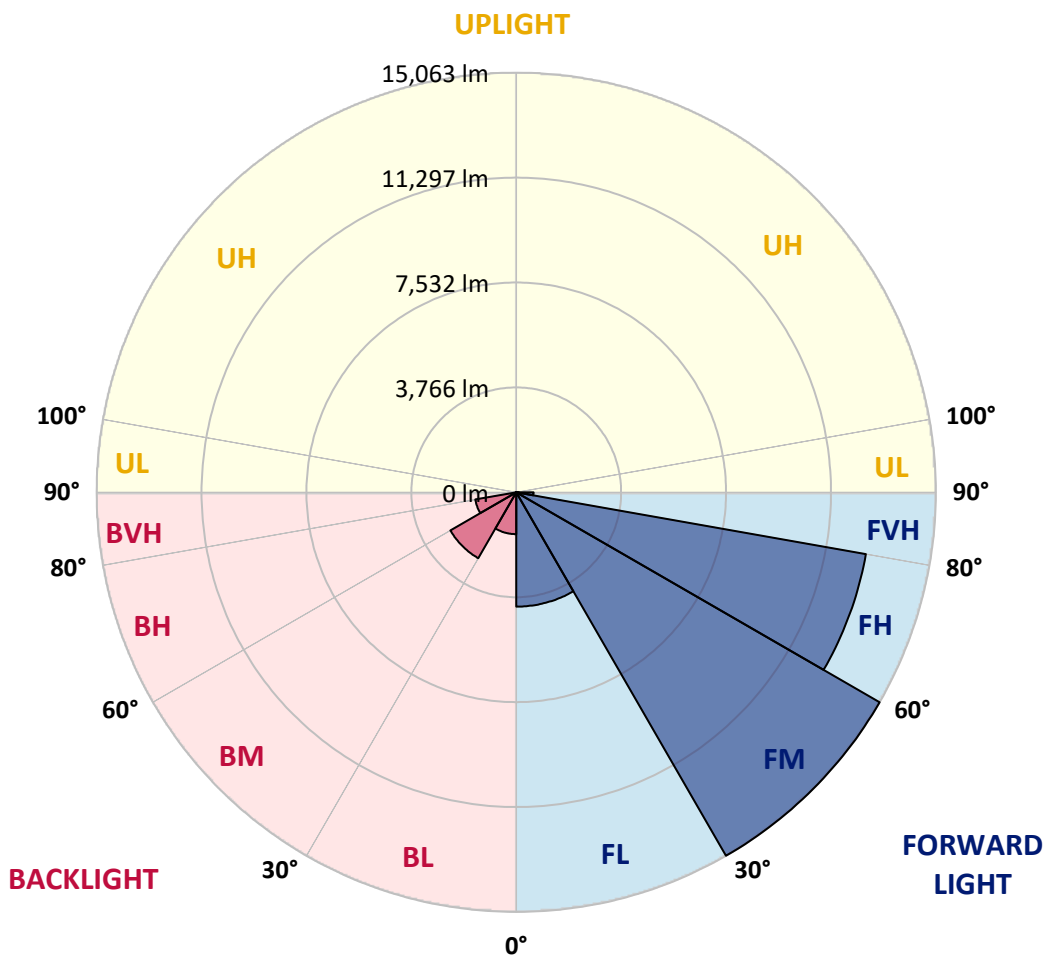


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4102.8	10.7			
FM (30°-60°)	15063.2	39.4			
FH (60°-80°)	12743.5	33.3			G5
FVH (80°-90°)	619.5	1.6			G4/750
BL (0°-30°)	1501.9	3.9	B3/2500		
BM (30°-60°)	2730.1	7.1	B3/5000		
BH (60°-80°)	1491.8	3.9	B3/2500		G3/2500
BVH (80°-90°)	19.4	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°	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6
2.5°	13918.3	13940.1	14052.5	14313.6	14598.2	14620.0	14812.1	14614.5	14547.4	14228.4	13898.4
5°	14023.5	14106.9	14493.0	15259.9	15925.3	16139.2	16291.5	15903.6	15495.6	14716.0	13883.9
7.5°	13176.8	13316.4	13923.8	15363.3	16552.6	17078.4	17178.1	16570.7	15571.8	14288.2	13037.2
10°	12092.6	12252.2	12984.6	14754.1	16387.6	17288.7	17426.5	16630.6	15194.7	13595.6	12121.7
12.5°	11215.2	11401.9	12150.7	14068.8	15820.2	16817.3	17089.3	16429.3	14868.3	13104.3	11496.2
15°	10810.9	11024.8	11811.6	13626.4	15191.1	15976.1	16200.9	15916.2	14687.0	13026.3	11351.1
17.5°	11042.9	11275.0	12087.2	13664.5	14600.0	14935.4	15116.7	15232.7	14687.0	13495.9	11775.4
20°	11994.7	12244.9	13104.3	14050.7	14110.5	13985.4	14179.4	14587.3	14857.5	14387.9	12794.3
22.5°	13311.0	13604.7	14574.6	14712.4	13871.2	13398.0	13423.4	14063.4	15167.5	15519.2	14208.4
25°	14915.5	15274.4	16260.7	15698.7	13970.9	13048.1	13039.0	13631.9	15470.3	16652.3	15783.9
27.5°	16509.1	16904.3	17770.9	16902.5	14382.5	12984.6	12966.5	13501.3	15765.8	17660.3	17504.4
30°	17845.3	18229.6	18976.6	17774.6	14826.6	13133.3	13046.3	13640.9	15941.6	18314.8	18759.0
32.5°	18933.1	19241.3	19845.0	18374.7	15301.6	13421.6	13233.0	14014.4	16240.8	18867.8	19912.1
35°	20129.6	20454.2	20695.3	18945.8	15834.7	13836.7	13566.6	14607.3	16701.3	19429.8	21175.7
37.5°	21494.8	21817.5	21788.5	19467.9	16510.9	14523.9	14351.6	15546.4	17417.4	19986.4	22586.2
40°	22831.0	23161.0	22925.3	20039.0	17305.0	15657.0	15530.1	16956.9	18376.5	20698.9	24239.7
42.5°	24082.0	24439.1	23935.1	20579.3	18251.4	17085.6	17303.2	18773.5	19576.7	21576.4	25664.7
45°	25090.0	25454.4	24781.8	21105.0	19248.5	18818.8	19473.3	20785.9	21019.8	22317.9	26627.4
47.5°	25822.4	26166.9	25369.2	21630.8	20524.9	20938.2	22078.6	22896.3	22323.4	22961.5	27310.9
50°	26290.2	26558.5	25541.4	22288.9	22200.1	23411.2	24792.7	25191.5	23550.8	23541.7	28141.2
52.5°	26587.5	26709.0	25668.3	22976.0	23947.8	26103.4	27450.5	27575.6	24814.4	24179.9	29259.9
55°	27611.9	27709.8	26567.6	23808.2	25392.8	28462.1	29854.5	29738.5	26244.9	25429.0	30579.7
57.5°	29359.6	29462.9	28425.9	25004.8	26562.1	29919.8	31596.8	31805.3	27921.9	27184.0	31993.9
60°	30237.1	30429.2	30059.4	26520.4	27695.2	30851.7	32784.3	33449.7	30017.7	29497.4	33364.5
62.5°	29441.2	29720.4	30257.0	28201.1	28821.1	31364.7	33154.2	34038.9	32164.3	32193.3	34209.3
65°	27853.0	28076.0	28986.1	29122.1	29473.8	31301.3	32240.4	33215.8	33478.7	34669.8	34164.0
67.5°	25934.8	26018.2	26790.6	29194.6	28527.4	29394.0	29495.5	30217.1	32439.8	35547.3	32791.6
70°	23173.6	23219.0	23893.4	26767.0	24515.3	24705.6	24555.1	24702.0	27889.2	33409.8	29326.9
72.5°	18650.2	18764.5	19723.5	22229.1	17859.8	17310.4	18492.5	18427.2	21478.5	28226.5	21781.3
75°	13731.6	13929.2	15377.8	17905.1	12535.0	11338.4	12201.4	12431.7	15269.0	21833.8	13621.0
77.5°	9614.3	9761.1	11164.4	13162.3	9072.2	8107.7	7795.9	8069.6	10078.4	15794.8	6862.2
80°	5538.7	5593.1	6488.7	7600.1	6113.4	6994.5	6336.4	6525.0	6039.1	7027.2	2951.5
82.5°	3624.2	3633.2	3983.1	4523.4	3807.3	4423.7	3274.3	4186.2	3714.8	2822.8	960.9
85°	1958.0	1968.9	2309.8	3210.8	2155.6	1218.3	716.1	1470.3	2297.1	647.2	262.9
87.5°	215.7	197.6	696.2	1167.6	598.3	110.6	38.1	165.0	368.0	41.7	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°	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6
2.5°	13729.8	13579.3	13204.0	12807.0	12487.9	12188.7	11887.8	11519.7	11235.1	11177.1	11082.8
5°	13436.1	12959.3	12172.4	11382.0	10745.6	9942.4	9433.0	9035.9	8648.0	8624.4	8546.4
7.5°	12409.9	11782.6	10674.9	9581.7	8686.0	7921.0	7148.6	6631.9	6225.8	6082.6	5997.4
10°	11423.7	10718.4	9335.1	8087.8	7288.2	6612.0	6068.1	5527.8	5038.3	4701.1	4548.8
12.5°	10734.7	9955.1	8430.4	7355.3	6782.4	6140.6	5477.0	4802.6	4238.8	3832.7	3584.3
15°	10468.2	9636.0	8127.6	7065.2	6358.2	5545.9	4697.5	3926.9	3301.5	2933.4	2710.4
17.5°	10785.5	9817.3	8104.1	6711.7	5723.6	4713.8	3776.5	2866.3	2277.1	1997.9	1854.7
20°	11590.5	10393.9	8095.0	6278.4	4969.4	3727.5	2558.1	1885.5	1528.4	1372.4	1305.4
22.5°	12729.0	11130.0	8167.5	5850.5	4184.4	2663.3	1765.9	1385.1	1202.0	1118.6	1080.5
25°	14193.9	12163.4	8372.4	5462.5	3446.5	1987.0	1376.1	1160.3	1031.6	966.3	939.1
27.5°	15754.9	13352.7	8691.5	5125.3	2846.4	1584.6	1178.4	993.5	901.1	855.7	830.3
30°	17042.1	14730.6	9014.2	4750.0	2411.3	1381.5	1078.7	906.5	799.5	770.5	747.0
32.5°	18168.0	15773.0	9242.6	4411.0	2126.6	1227.4	975.4	810.4	737.9	681.7	656.3
35°	19333.7	16641.4	9235.4	4173.5	1930.8	1111.4	888.4	725.2	638.2	572.9	553.0
37.5°	20595.6	17622.3	9077.6	3970.5	1845.6	1018.9	839.4	679.9	592.8	527.6	502.2
40°	22073.2	18652.1	8916.3	3780.1	1822.1	944.6	805.0	643.6	551.1	487.7	462.3
42.5°	23512.7	19580.3	8774.9	3638.7	1720.5	942.8	774.1	616.4	518.5	456.9	427.9
45°	24663.9	20445.1	8747.7	3553.5	1613.6	975.4	757.8	598.3	493.1	431.5	404.3
47.5°	25621.2	21384.2	8921.7	3493.6	1512.0	890.2	797.7	585.6	469.6	409.7	378.9
50°	26759.7	22537.3	9331.5	3395.7	1405.1	801.3	913.7	589.2	449.6	388.0	355.3
52.5°	28347.9	24132.7	9933.4	3230.7	1258.2	719.8	899.2	592.8	427.9	364.4	331.8
55°	30128.3	26125.2	10580.6	2957.0	1053.3	612.8	770.5	567.5	386.2	339.0	308.2
57.5°	31999.3	27932.8	10965.0	2630.6	837.6	529.4	616.4	516.7	340.8	304.6	284.6
60°	32293.0	28619.9	10789.1	2230.0	665.4	460.5	456.9	525.8	304.6	268.3	253.8
62.5°	31562.4	27756.9	9938.8	1872.8	556.6	404.3	375.3	458.7	275.6	239.3	224.8
65°	30157.3	25423.6	8560.9	1687.9	516.7	346.3	311.8	322.7	241.1	208.5	195.8
67.5°	28202.9	22308.9	7029.0	1582.7	511.3	297.3	266.5	244.8	208.5	181.3	170.4
70°	24207.1	18585.0	5607.6	1524.7	496.8	250.2	224.8	199.4	174.0	154.1	145.0
72.5°	17816.3	13169.6	4362.1	1461.3	500.4	199.4	195.8	165.0	139.6	119.7	116.0
75°	10294.2	7523.9	2860.9	1183.9	476.8	154.1	163.2	116.0	97.9	83.4	83.4
77.5°	5486.1	4588.7	1089.6	493.1	174.0	97.9	92.5	68.9	61.6	50.8	49.0
80°	2391.3	2019.7	328.2	137.8	96.1	52.6	34.4	30.8	27.2	21.8	19.9
82.5°	846.7	730.6	107.0	67.1	41.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	192.2	137.8	0.0	16.3	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°	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6
2.5°	10890.6	10850.8	10615.1	10624.1	10665.8	10725.7	10584.2	10649.5	10825.4	10994.0	11057.4
5°	8421.3	8430.4	8287.2	8376.0	8455.8	8510.2	8281.7	8285.4	8425.0	8615.3	8715.0
7.5°	5933.9	5919.4	5926.7	6138.8	6289.3	6180.5	6265.7	5970.2	5988.3	6124.3	6022.8
10°	4411.0	4211.6	4099.2	4258.7	4423.7	4363.9	4217.0	4120.9	4188.0	4338.5	4327.6
12.5°	3466.4	3180.0	3011.4	2897.2	3033.1	2920.7	2917.1	2833.7	2743.1	2759.4	3000.5
15°	2607.1	2398.6	2199.2	2016.0	2012.4	1974.3	1780.4	1562.8	1544.7	1555.5	1680.6
17.5°	1793.0	1722.3	1640.8	1483.0	1441.3	1281.8	1093.2	1006.2	962.7	982.6	1024.3
20°	1260.0	1232.8	1241.9	1156.7	1096.9	944.6	834.0	799.5	792.3	812.2	832.2
22.5°	1044.3	995.3	989.9	951.8	892.0	781.4	721.6	701.6	692.6	710.7	725.2
25°	913.7	864.8	844.9	821.3	757.8	681.7	645.4	627.3	618.2	629.1	638.2
27.5°	805.0	759.6	741.5	725.2	663.6	609.2	580.2	563.8	556.6	560.2	569.3
30°	723.4	683.5	659.9	640.0	587.4	549.3	524.0	507.6	500.4	500.4	509.5
32.5°	638.2	616.4	594.7	569.3	520.3	494.9	469.6	451.4	444.2	446.0	453.2
35°	531.2	524.0	529.4	505.8	464.1	442.4	417.0	397.0	391.6	393.4	400.7
37.5°	471.4	438.7	458.7	446.0	422.4	393.4	360.8	342.7	333.6	339.0	342.7
40°	433.3	393.4	378.9	391.6	388.0	340.8	311.8	293.7	286.5	288.3	291.9
42.5°	400.7	353.5	320.9	319.1	340.8	297.3	266.5	250.2	241.1	241.1	244.8
45°	369.9	319.1	279.2	248.4	286.5	252.0	223.0	208.5	197.6	197.6	199.4
47.5°	346.3	290.1	242.9	203.1	215.7	206.7	183.1	168.6	157.7	157.7	159.5
50°	324.5	261.1	210.3	170.4	161.4	170.4	148.7	132.3	125.1	123.3	126.9
52.5°	301.0	232.1	179.5	145.0	126.9	128.7	116.0	105.2	96.1	96.1	99.7
55°	277.4	208.5	155.9	123.3	105.2	96.1	92.5	85.2	78.0	78.0	81.6
57.5°	253.8	183.1	132.3	101.5	83.4	76.1	76.1	70.7	65.3	65.3	68.9
60°	232.1	157.7	108.8	83.4	65.3	63.5	65.3	59.8	56.2	56.2	59.8
62.5°	206.7	134.2	88.8	68.9	52.6	50.8	56.2	52.6	49.0	49.0	52.6
65°	175.9	114.2	70.7	52.6	39.9	39.9	47.1	43.5	39.9	39.9	43.5
67.5°	148.7	96.1	54.4	38.1	29.0	30.8	39.9	36.3	34.4	34.4	38.1
70°	123.3	74.3	38.1	23.6	16.3	23.6	30.8	30.8	30.8	30.8	34.4
72.5°	92.5	50.8	21.8	9.1	7.3	16.3	25.4	29.0	27.2	27.2	32.6
75°	59.8	29.0	7.3	0.0	0.0	9.1	19.9	23.6	23.6	21.8	27.2
77.5°	34.4	9.1	0.0	0.0	0.0	0.0	12.7	10.9	9.1	7.3	12.7
80°	9.1	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°	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6	12839.6
2.5°	11313.1	11527.0	11828.0	12147.0	12638.4	13028.2	13410.7	13738.8	13865.8	13918.3
5°	8954.4	9268.0	9708.6	10274.2	11160.8	11958.5	12767.1	13581.1	13934.6	14023.5
7.5°	6425.2	6825.9	7386.1	8095.0	9133.8	10167.3	11296.7	12491.5	13039.0	13176.8
10°	4755.5	5245.0	5886.8	6633.7	7625.4	8687.9	9918.9	11284.1	11909.5	12092.6
12.5°	3374.0	4035.7	4895.1	5803.4	6662.7	7610.9	8856.5	10361.2	11017.5	11215.2
15°	1981.6	2621.6	3638.7	4855.2	5955.7	6916.6	8182.0	9888.1	10611.4	10810.9
17.5°	1136.7	1455.8	2224.5	3580.7	5074.6	6405.3	7969.9	10005.9	10858.0	11042.9
20°	868.4	970.0	1281.8	2306.1	4044.8	5903.1	7969.9	10673.1	11722.8	11994.7
22.5°	759.6	834.0	960.9	1376.1	2976.9	5364.6	8062.4	11637.6	13010.0	13311.0
25°	674.4	741.5	850.3	1035.2	2030.5	4724.7	8281.7	12821.5	14525.7	14915.5
27.5°	603.7	667.2	765.1	906.5	1388.8	3952.3	8577.3	14210.2	16197.3	16509.1
30°	540.3	600.1	688.9	788.7	1071.5	3076.6	8829.3	15519.2	17509.9	17845.3
32.5°	480.4	534.8	614.6	688.9	877.5	2275.3	8856.5	16556.2	18599.5	18933.1
35°	424.2	473.2	545.7	603.7	727.0	1796.7	8434.0	17455.5	19689.1	20129.6
37.5°	369.9	417.0	480.4	524.0	640.0	1464.9	7788.6	18458.1	21086.9	21494.8
40°	319.1	360.8	426.1	455.1	605.5	1125.9	7087.0	19509.6	22457.5	22831.0
42.5°	271.9	311.8	375.3	431.5	531.2	841.2	6329.2	20495.9	23690.4	24082.0
45°	226.6	268.3	331.8	456.9	440.6	629.1	5518.7	21150.4	24663.9	25090.0
47.5°	183.1	230.2	317.3	435.1	351.7	462.3	4876.9	21770.4	25401.8	25822.4
50°	146.9	194.0	357.2	388.0	288.3	353.5	4608.6	22325.2	25885.9	26290.2
52.5°	119.7	163.2	337.2	297.3	241.1	291.9	4753.7	23224.4	26333.7	26587.5
55°	99.7	128.7	203.1	206.7	204.9	248.4	4933.1	24515.3	27492.2	27611.9
57.5°	87.0	103.3	141.4	159.5	172.2	221.2	4936.8	26368.1	29285.2	29359.6
60°	74.3	90.6	117.8	128.7	148.7	197.6	4757.3	27015.4	29990.5	30237.1
62.5°	65.3	79.8	97.9	107.0	125.1	177.7	4336.7	26078.1	29022.4	29441.2
65°	58.0	72.5	81.6	90.6	110.6	159.5	3644.1	24203.4	27416.0	27853.0
67.5°	50.8	63.5	72.5	81.6	99.7	141.4	2683.2	22026.0	25572.2	25934.8
70°	45.3	56.2	65.3	72.5	87.0	119.7	1628.1	18690.1	23023.2	23173.6
72.5°	43.5	50.8	59.8	65.3	76.1	105.2	824.9	13735.2	18405.5	18650.2
75°	38.1	45.3	54.4	58.0	67.1	90.6	335.4	9021.4	13338.2	13731.6
77.5°	30.8	41.7	49.0	52.6	58.0	74.3	170.4	5765.3	9360.5	9614.3
80°	10.9	30.8	41.7	43.5	49.0	54.4	112.4	3156.4	5429.9	5538.7
82.5°	0.0	19.9	32.6	30.8	34.4	41.7	72.5	1501.2	3584.3	3624.2
85°	0.0	9.1	25.4	19.9	14.5	29.0	25.4	328.2	1880.1	1958.0
87.5°	0.0	0.0	1.8	9.1	7.3	10.9	3.6	1.8	170.4	215.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)