

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: P322644

Luminaire Tested: **GAN-SA0B-760-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-760-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40168 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

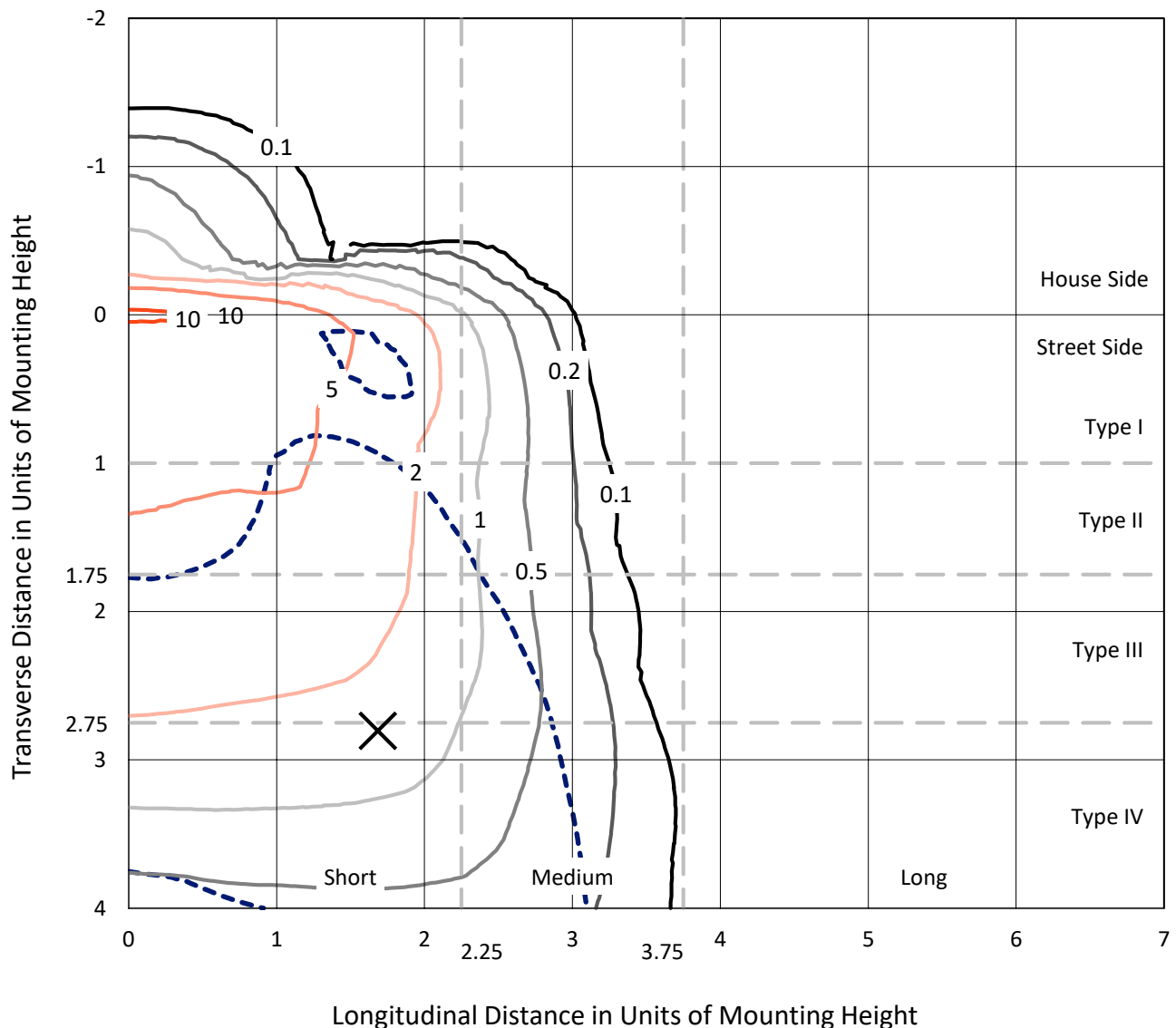
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

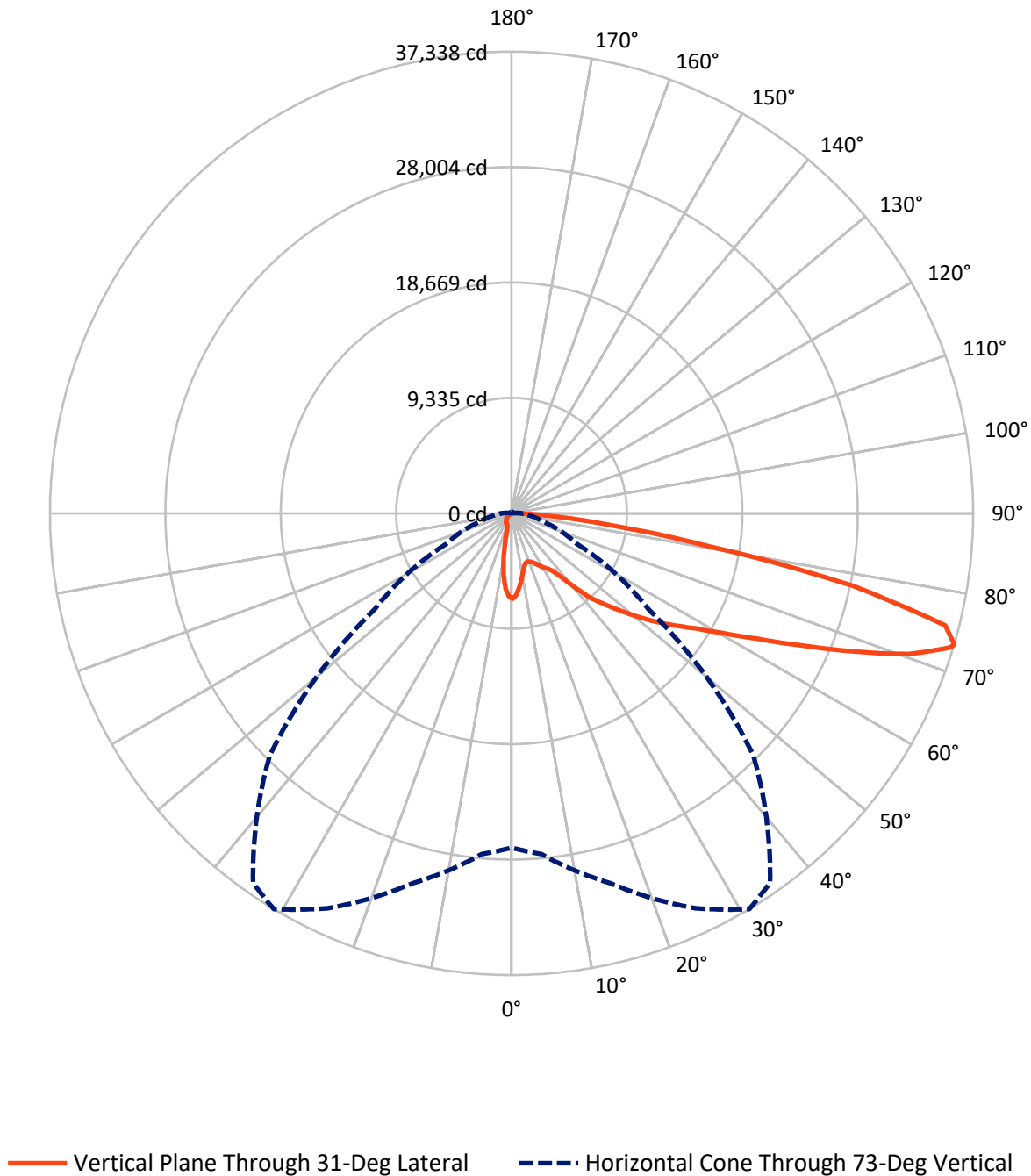
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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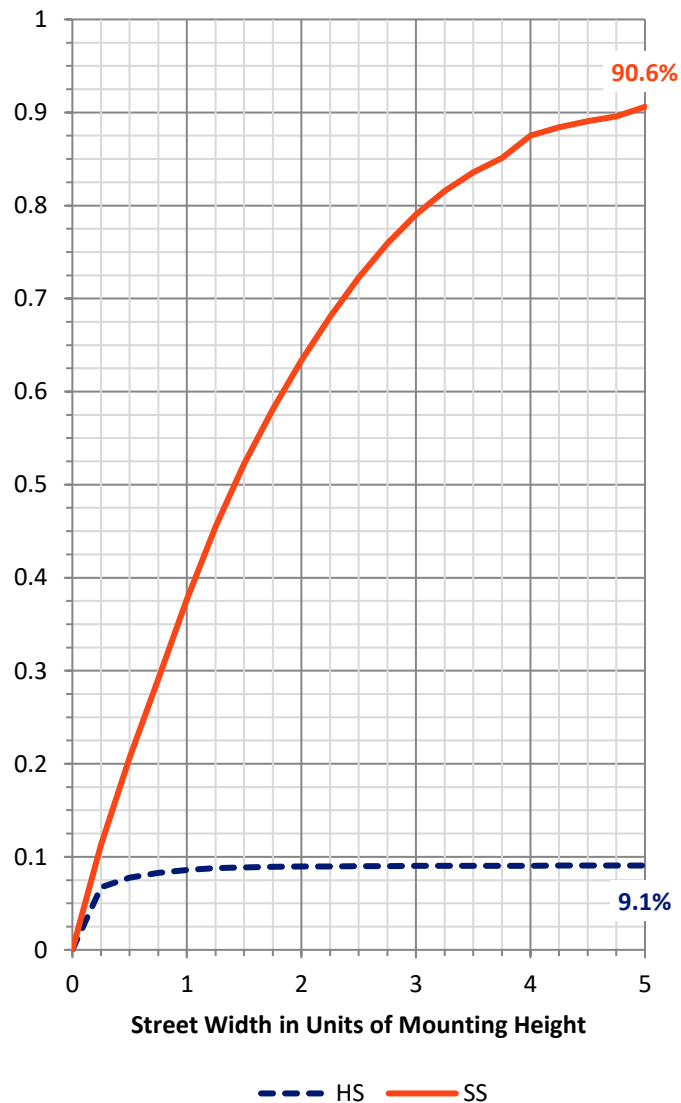
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3661.5	0.0	3661.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	36506.5	0.0	36506.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	40168.0	0.0	40168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.0	1.4
10°-20°	1244.2	3.1
20°-30°	1864.1	4.6
30°-40°	2965.9	7.4
40°-50°	5296.2	13.2
50°-60°	8218.2	20.5
60°-70°	10925.0	27.2
70°-80°	8217.8	20.5
80°-90°	863.5	2.1
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°	40168.0	100.0
0°-180°	40168.0	100.0

Coefficient of Utilization



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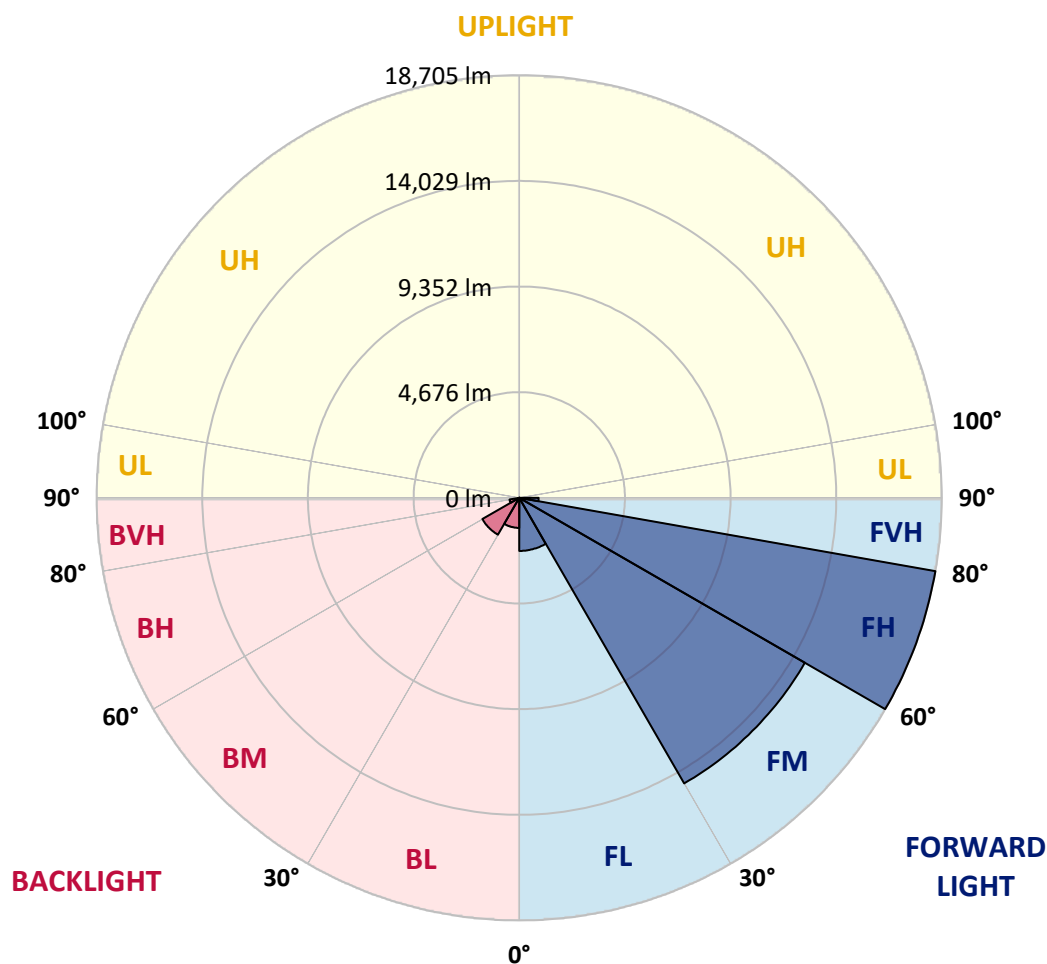
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2349.9	5.9			
FM	(30°-60°)	14595.7	36.3			
FH	(60°-80°)	18704.7	46.6			G5
FVH	(80°-90°)	856.3	2.1			G5
BL	(0°-30°)	1331.5	3.3	B3/2500		
BM	(30°-60°)	1884.7	4.7	B2/2500		
BH	(60°-80°)	438.1	1.1	B1/500		G1/500
BVH	(80°-90°)	7.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0
2.5°	6549.3	6576.8	6606.3	6612.2	6661.4	6663.3	6734.1	6787.2	6840.2	6891.3	6909.0
5°	5877.1	5922.3	5975.4	6028.4	6132.6	6173.9	6346.9	6523.8	6692.8	6854.0	6932.6
7.5°	5159.7	5210.8	5285.5	5417.1	5533.1	5613.7	5886.9	6201.4	6515.9	6812.7	6983.7
10°	4505.1	4552.3	4630.9	4770.5	4949.3	5059.4	5427.0	5863.3	6325.2	6775.4	7060.4
12.5°	4088.4	4114.0	4157.2	4306.6	4467.8	4591.6	5024.0	5564.6	6168.0	6773.4	7184.2
15°	4011.8	4019.6	3984.2	4051.1	4176.9	4296.8	4735.1	5322.8	6048.1	6804.8	7345.4
17.5°	4133.6	4129.7	4011.8	4003.9	4104.1	4202.4	4593.6	5155.7	5963.6	6877.6	7553.7
20°	4318.4	4304.6	4100.2	4062.9	4169.0	4261.4	4583.7	5092.8	5932.1	6999.4	7807.3
22.5°	4564.1	4540.5	4220.1	4180.8	4294.8	4391.1	4705.6	5153.8	5959.6	7162.6	8102.1
25°	4868.7	4833.4	4426.5	4383.2	4499.2	4595.5	4923.8	5328.7	6042.2	7361.1	8475.6
27.5°	5212.7	5161.6	4756.7	4644.7	4776.4	4876.6	5214.7	5596.0	6171.9	7571.4	8933.6
30°	5537.0	5470.2	5104.6	4919.9	5081.0	5193.1	5529.2	5914.4	6380.3	7895.7	9560.6
32.5°	5863.3	5788.6	5415.2	5195.0	5340.5	5462.4	5853.5	6352.8	6771.4	8391.1	10394.0
35°	6614.2	6535.6	6077.6	5713.9	5712.0	5780.8	6307.6	6952.3	7288.4	9081.0	11388.6
37.5°	7878.1	7832.8	7396.5	6706.6	6521.8	6445.1	6926.7	7667.7	8031.4	10030.4	12510.9
40°	9261.8	9222.5	8733.1	8108.0	7826.9	7638.3	7815.2	8664.3	9081.0	11190.1	13656.9
42.5°	10824.5	10637.7	9765.0	9578.3	9326.7	9183.2	9024.0	9892.8	10370.4	12452.0	14793.0
45°	12243.6	11929.1	10796.9	10513.9	10456.9	10492.3	10580.7	11543.9	11821.0	13951.7	15925.1
47.5°	13088.8	12841.1	11972.4	11701.1	11685.4	11919.3	12587.6	13409.2	13265.7	15258.8	16921.7
50°	13892.7	13668.7	12947.3	13014.1	13086.8	13405.3	14865.7	15327.6	14584.6	16444.1	17835.7
52.5°	14543.3	14201.3	13823.9	14199.4	14557.1	15070.1	17216.5	17049.5	15520.2	17387.5	18618.0
55°	14918.8	14763.5	14946.3	15323.7	15995.9	16829.3	19435.7	18482.4	16204.3	18248.5	19138.9
57.5°	16294.7	15990.0	16353.6	16679.9	17556.6	18722.2	21336.4	19549.7	16697.6	18781.1	19258.8
60°	17959.5	17713.8	17928.1	18470.6	19653.9	21023.9	23113.3	20420.4	16955.1	19123.1	18948.2
62.5°	20609.1	20284.8	20151.1	20758.5	22327.0	23822.9	24461.7	21023.9	16898.1	18971.8	17882.9
65°	24159.0	23822.9	23225.3	23775.7	25770.7	26826.3	25969.3	21151.6	16505.0	17747.2	15190.0
67.5°	27795.3	27551.6	27040.5	27968.3	29768.7	30108.8	27563.4	20841.1	15239.2	14390.0	10732.1
70°	30197.2	30093.1	30425.2	32477.3	34083.2	33984.9	29025.8	19172.3	11878.0	8849.1	5309.0
72.5°	28465.6	28964.8	31417.9	35138.7	37100.4	36298.4	28274.9	14722.2	6789.1	3404.4	1535.1
73°	27030.7	27669.5	30971.7	35239.0	37338.2	36459.6	27643.9	13513.4	5786.7	2687.0	1163.6
75°	18804.7	19589.0	25641.0	32819.3	36225.7	34737.7	23042.5	8271.2	2681.1	1191.1	469.8
77.5°	9130.1	9710.0	14118.8	23712.8	28172.7	27140.8	14344.8	3082.0	1210.8	745.0	216.2
80°	3408.3	3789.6	6128.7	12068.7	16280.9	16707.4	6309.5	1165.6	805.9	599.5	110.1
82.5°	892.4	994.6	2260.4	5381.8	8343.9	8733.1	1989.2	587.7	589.7	493.4	66.8
85°	285.0	326.3	705.6	2415.7	3931.2	3451.6	518.9	285.0	428.5	367.6	37.3
87.5°	35.4	45.2	224.1	568.1	866.8	481.6	80.6	84.5	182.8	204.4	21.6
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°	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0	6911.0
2.5°	6926.7	6916.9	6918.8	6867.7	6834.3	6767.5	6698.7	6667.3	6633.8	6620.1	6633.8
5°	6962.1	6944.4	6893.3	6736.0	6569.0	6352.8	6150.3	5997.0	5804.4	5751.3	5806.3
7.5°	7017.1	6981.7	6832.4	6512.0	6140.5	5727.7	5263.8	4925.7	4648.6	4469.7	4534.6
10°	7097.7	7030.9	6730.2	6185.7	5521.3	4790.1	4131.7	3618.6	3255.0	3105.6	3099.7
12.5°	7233.3	7107.5	6604.4	5761.1	4764.6	3789.6	2926.8	2370.5	2075.7	1885.0	1881.1
15°	7382.7	7198.0	6445.1	5252.0	3884.0	2714.5	1885.0	1462.4	1271.7	1210.8	1202.9
17.5°	7565.5	7302.1	6238.8	4625.0	2962.1	1798.5	1230.5	1108.6	1100.7	1094.8	1094.8
20°	7795.5	7426.0	5973.4	3907.6	2101.2	1201.0	1045.7	1053.6	1057.5	1049.6	1051.6
22.5°	8062.8	7551.8	5656.9	3137.1	1421.1	1004.4	1000.5	1010.3	1014.2	1010.3	1012.3
25°	8373.4	7697.2	5271.7	2329.2	1026.0	953.3	963.1	976.9	986.7	986.7	986.7
27.5°	8758.6	7874.1	4807.8	1625.5	886.5	900.2	927.8	953.3	967.1	971.0	971.0
30°	9259.9	8094.3	4251.6	1114.5	805.9	829.5	880.6	929.7	955.3	959.2	961.2
32.5°	9892.8	8341.9	3606.8	823.6	737.1	754.8	809.8	892.4	941.5	949.4	949.4
35°	10618.1	8628.9	2913.0	717.4	688.0	693.9	737.1	831.4	917.9	939.5	941.5
37.5°	11412.2	8911.9	2215.2	670.3	646.7	646.7	678.1	758.7	860.9	927.8	935.6
40°	12153.2	9083.0	1552.8	632.9	609.3	609.3	636.8	695.8	792.1	892.4	914.0
42.5°	12837.2	9141.9	1081.1	597.5	573.9	579.8	603.4	650.6	723.3	823.6	843.2
45°	13540.9	9132.1	788.2	556.3	538.6	556.3	573.9	609.3	662.4	719.4	723.3
47.5°	14071.6	9049.5	625.1	516.9	505.2	528.7	544.5	568.1	597.5	593.6	593.6
50°	14568.9	8849.1	503.2	463.9	471.7	499.3	507.1	515.0	516.9	479.6	475.7
52.5°	14946.3	8536.5	402.9	406.9	438.3	465.8	458.0	446.2	426.5	381.3	373.5
55°	15072.1	7935.1	316.5	336.1	389.2	424.6	395.1	369.5	332.2	294.8	287.0
57.5°	14844.1	7158.7	257.5	261.4	328.3	357.7	324.3	294.8	253.6	222.1	216.2
60°	14360.5	6295.8	212.3	196.6	253.6	279.1	257.5	228.0	190.7	167.1	165.1
62.5°	13401.3	5375.9	174.9	153.3	192.6	214.2	200.5	178.9	147.4	131.7	129.7
65°	11384.7	4300.7	141.5	123.8	149.4	167.1	155.3	139.6	116.0	104.2	102.2
67.5°	7946.8	2907.1	116.0	102.2	117.9	131.7	121.9	114.0	92.4	90.4	92.4
70°	3832.9	1401.5	96.3	82.6	92.4	102.2	98.3	92.4	88.5	102.2	117.9
72.5°	1098.8	469.8	76.7	68.8	74.7	80.6	84.5	82.6	96.3	123.8	143.5
73°	845.2	379.4	72.7	64.9	70.8	78.6	82.6	80.6	98.3	125.8	143.5
75°	361.7	182.8	55.0	53.1	59.0	68.8	72.7	72.7	98.3	127.8	137.6
77.5°	163.1	98.3	35.4	41.3	51.1	55.0	60.9	60.9	78.6	98.3	98.3
80°	92.4	53.1	27.5	31.4	37.3	37.3	37.3	33.4	35.4	39.3	43.2
82.5°	59.0	35.4	21.6	25.6	23.6	19.7	15.7	15.7	13.8	15.7	19.7
85°	33.4	19.7	19.7	15.7	9.8	7.9	9.8	7.9	2.0	0.0	2.0
87.5°	19.7	11.8	5.9	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

(END OF REPORT)