

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: P192921

Luminaire Tested: **GAN-AF-03-LED-U-SL3-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-03-LED-U-SL3-7030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19281 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 191
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: 28.75 FT

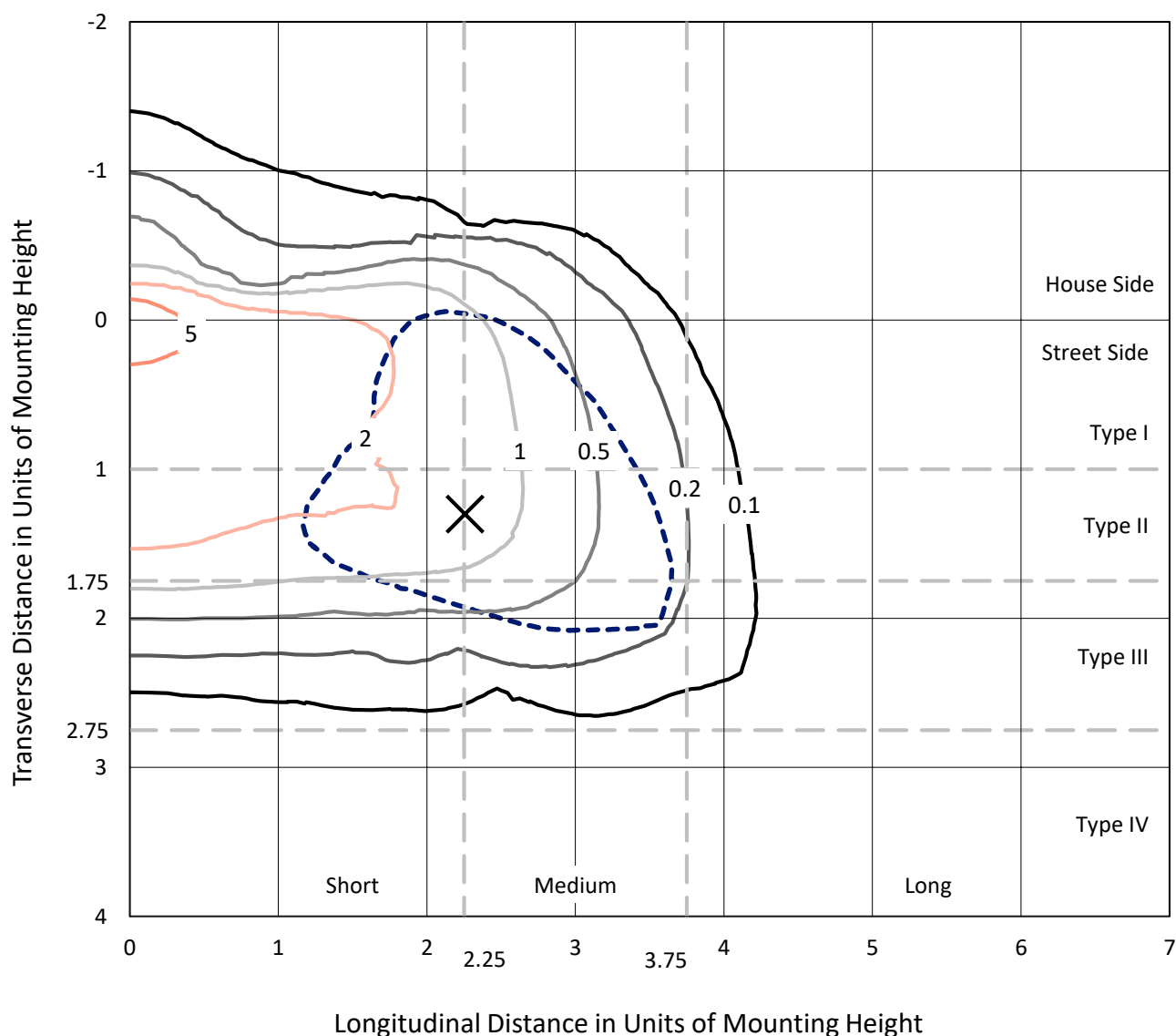


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

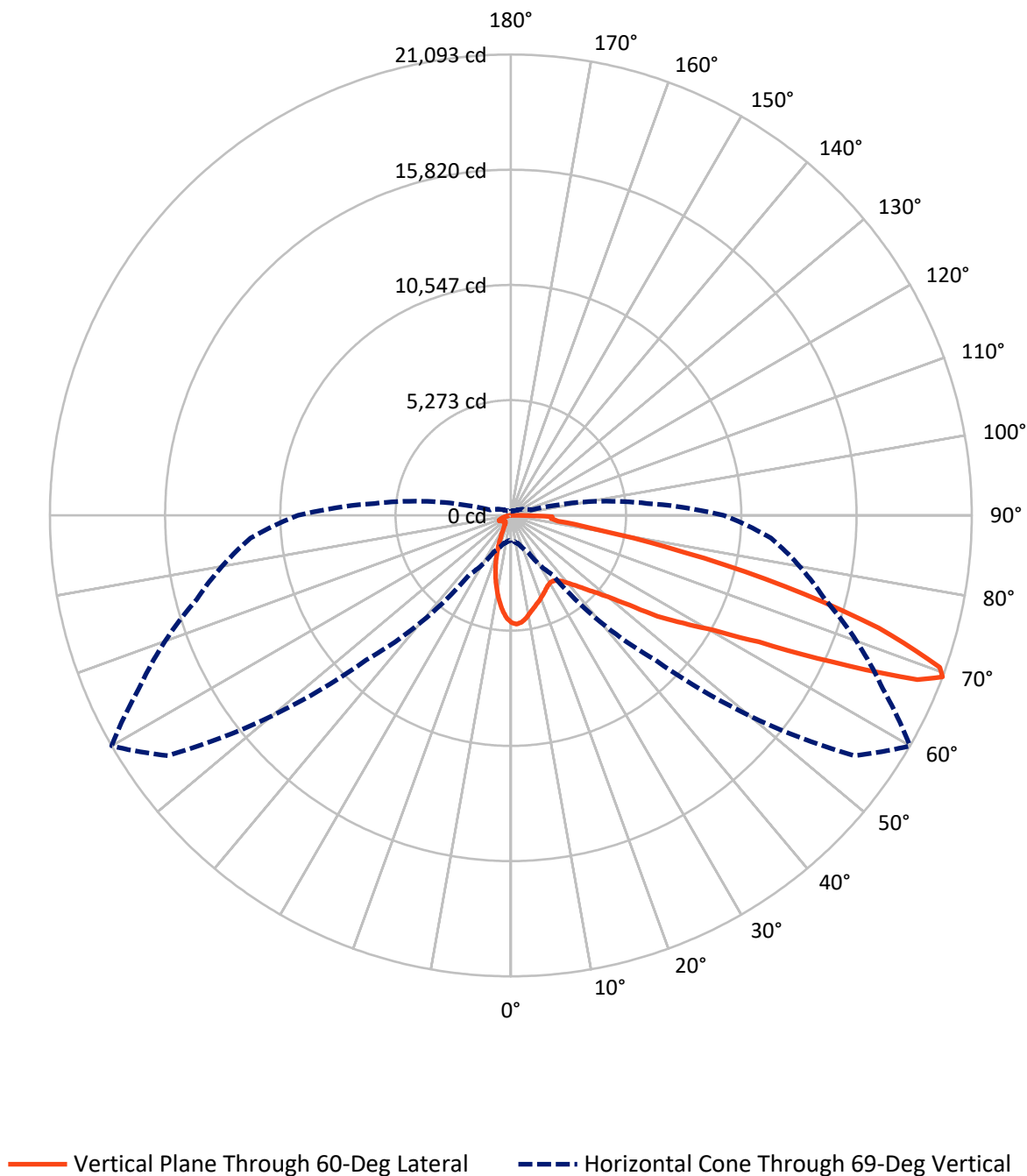


Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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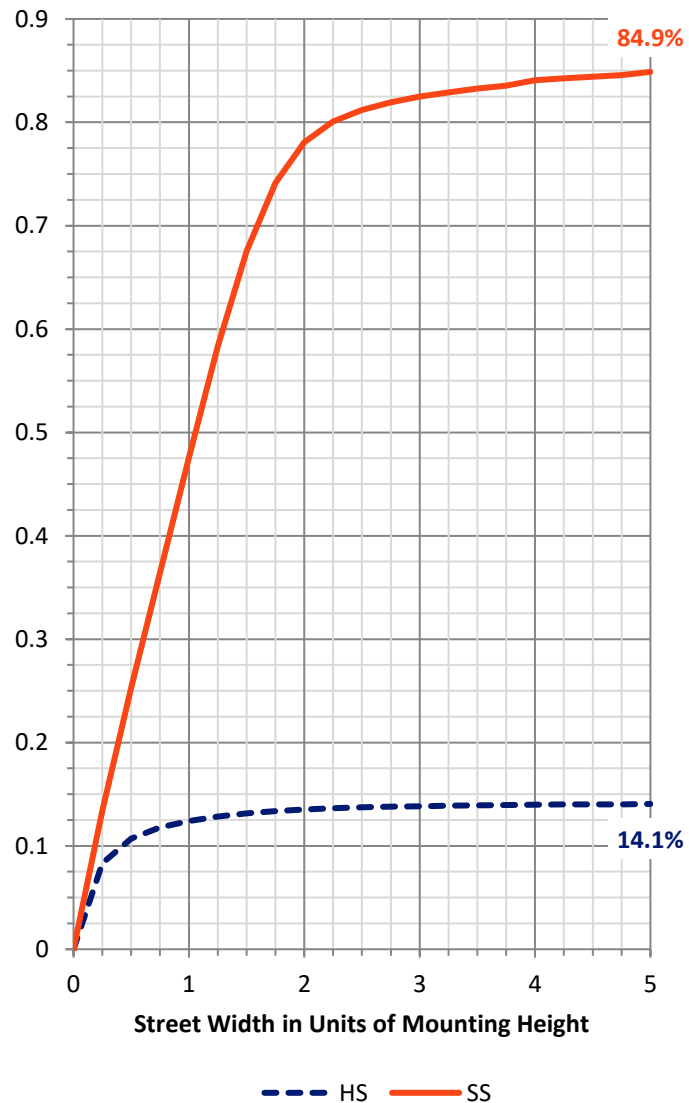
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2743.1	0.0	2743.1
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	16537.9	0.0	16537.9
	% Fixture	85.8	0.0	85.8
Total	Lumens	19281.0	0.0	19281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.4	2.2
10°-20°	885.1	4.6
20°-30°	1127.7	5.8
30°-40°	1550.4	8.0
40°-50°	2515.6	13.0
50°-60°	4034.4	20.9
60°-70°	5369.5	27.8
70°-80°	2899.1	15.0
80°-90°	483.7	2.5
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°	19281.0	100.0
0°-180°	19281.0	100.0

Coefficient of Utilization



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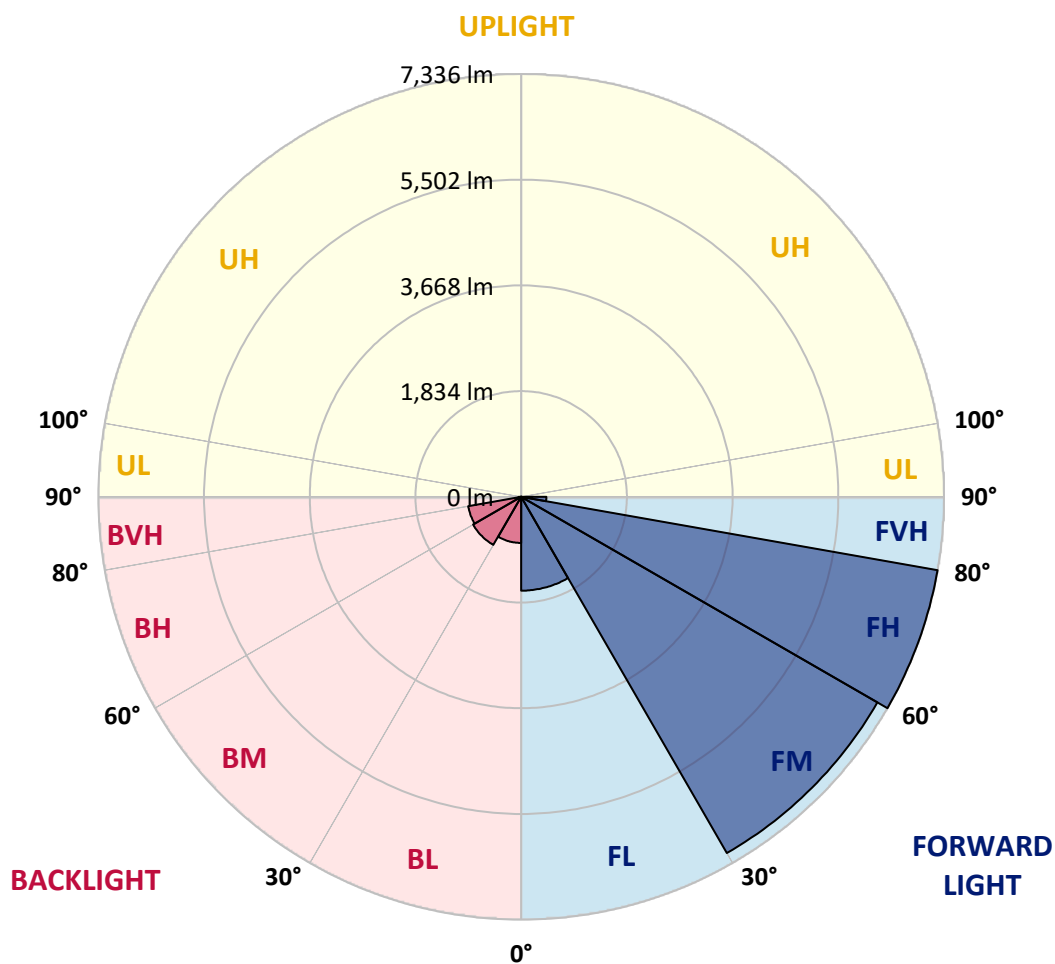
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1628.0	8.4			
FM	(30°-60°)	7136.7	37.0			
FH	(60°-80°)	7336.0	38.0			G3/7500
FVH	(80°-90°)	437.2	2.3			G3/500
BL	(0°-30°)	800.2	4.2	B2/1000		
BM	(30°-60°)	963.7	5.0	B1/1000		
BH	(60°-80°)	932.6	4.8	B2/1000		G2/1000
BVH	(80°-90°)	46.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1
2.5°	5013.7	5024.9	5020.3	5017.4	5025.8	5012.7	4985.7	4977.3	4964.3	4933.6	4881.3
5°	4825.6	4859.1	4857.2	4882.4	4924.4	4935.5	4923.3	4925.2	4901.0	4862.8	4776.2
7.5°	4500.5	4514.5	4521.9	4576.9	4653.3	4714.6	4766.9	4783.6	4772.5	4739.8	4628.1
10°	4165.2	4176.3	4194.0	4258.3	4355.2	4440.0	4538.6	4595.5	4619.7	4614.1	4489.4
12.5°	3877.4	3888.5	3911.8	3984.4	4100.0	4204.3	4347.8	4418.6	4476.3	4510.8	4376.6
15°	3619.4	3643.6	3665.9	3749.8	3879.2	4016.2	4178.2	4267.6	4357.0	4434.4	4277.0
17.5°	3418.1	3442.4	3455.5	3531.8	3669.7	3837.3	4027.3	4132.6	4244.4	4371.0	4178.2
20°	3301.9	3313.0	3307.4	3350.2	3474.1	3652.0	3877.4	3999.4	4134.5	4311.4	4079.5
22.5°	3269.1	3270.1	3249.6	3245.0	3325.1	3475.0	3717.2	3865.3	4031.0	4272.2	3994.7
25°	3348.4	3345.5	3289.7	3244.0	3252.4	3339.9	3562.6	3734.9	3944.5	4264.0	3929.5
27.5°	3524.3	3532.8	3449.9	3364.2	3279.4	3276.6	3445.2	3626.9	3873.7	4302.1	3901.6
30°	3771.2	3785.2	3696.7	3587.7	3428.4	3297.1	3399.6	3562.6	3829.9	4381.3	3897.0
32.5°	4041.3	4056.2	3989.2	3874.6	3665.9	3423.7	3431.3	3568.2	3828.0	4492.0	3928.6
35°	4329.1	4345.9	4311.4	4214.5	3982.6	3657.6	3552.3	3658.5	3888.5	4661.6	4013.3
37.5°	4650.4	4676.6	4685.8	4593.6	4345.9	3965.9	3750.8	3829.9	4025.4	4897.2	4168.9
40°	5113.4	5149.6	5146.8	5014.6	4762.2	4382.2	4057.2	4077.7	4238.7	5212.1	4417.6
42.5°	6000.0	6007.5	5775.6	5487.8	5220.4	4820.0	4418.6	4401.7	4533.0	5610.7	4783.6
45°	7128.0	7097.2	6581.2	6025.2	5699.2	5322.9	4889.0	4806.9	4906.7	6096.8	5241.8
47.5°	8064.0	7993.2	7341.2	6573.8	6205.8	5869.6	5441.2	5297.8	5352.7	6648.3	5834.2
50°	8389.0	8335.9	7795.7	7030.2	6685.6	6536.6	6121.1	5918.0	5933.0	7305.8	6528.1
52.5°	8319.2	8311.7	7951.3	7331.0	7134.4	7236.9	7084.2	6809.4	6664.0	8036.0	7277.0
55°	8154.3	8170.2	8039.8	7681.2	7647.6	7913.1	8342.5	8139.4	7687.7	8772.8	8051.0
57.5°	7581.5	7622.5	7909.4	8121.7	8473.8	8868.7	9355.9	9298.1	8789.6	9569.2	8971.2
60°	6108.0	6203.0	6972.4	8036.0	9324.1	10559.2	10777.2	10643.1	9925.8	10557.2	10186.6
62.5°	4279.8	4378.4	5293.1	6957.5	9184.5	12468.5	13317.9	12739.5	11557.7	12013.0	11759.8
65°	2291.2	2338.7	3037.3	4827.4	7753.8	12862.5	17031.5	16151.2	14141.3	13807.8	13105.6
67.5°	1263.9	1290.1	1557.3	2437.5	4966.2	11326.7	19397.2	20062.1	17370.5	15002.8	12860.7
69°	1142.9	1167.0	1342.1	1846.1	3323.2	9365.1	19166.1	21093.1	18786.1	14884.6	11955.3
70°	1117.7	1140.0	1297.5	1701.6	2689.9	7719.3	18392.1	20829.6	19123.3	14460.8	11165.5
72.5°	1006.0	1030.1	1182.8	1528.4	2298.7	3848.5	14568.8	17611.7	17362.1	12538.4	8469.1
75°	937.9	960.3	1219.3	1496.8	2200.9	2435.6	9604.6	12979.9	12762.9	8770.9	4566.6
77.5°	401.4	399.6	565.3	1266.7	2233.5	2358.3	5160.9	8108.6	7398.1	3748.8	1311.4
80°	268.2	263.6	268.2	372.6	2048.2	2371.4	2703.8	4115.8	3109.0	955.6	646.4
82.5°	231.0	227.3	235.7	227.3	720.0	2706.6	2298.7	2188.8	1478.2	543.0	320.3
85°	155.5	149.0	203.0	204.0	339.9	2404.9	2589.2	1848.7	1196.0	322.4	158.3
87.5°	74.6	72.6	118.3	144.3	199.3	977.0	2904.9	1894.4	1206.1	164.9	75.4
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°	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1	4913.1
2.5°	4865.6	4827.4	4790.2	4745.4	4698.9	4646.7	4620.7	4594.6	4588.1	4580.5	4554.5
5°	4731.5	4677.5	4584.3	4481.9	4373.7	4268.5	4188.5	4138.2	4100.0	4080.4	4046.0
7.5°	4558.2	4479.1	4316.1	4139.1	3957.5	3791.8	3648.2	3557.9	3472.3	3432.2	3386.5
10°	4393.5	4275.1	4021.8	3760.9	3500.1	3249.6	3014.0	2847.3	2699.1	2616.3	2557.6
12.5°	4251.9	4089.7	3738.7	3385.6	3027.9	2671.3	2318.3	2040.6	1808.8	1686.8	1624.3
15°	4113.9	3918.4	3469.4	3021.4	2562.2	2077.0	1613.2	1298.3	1106.5	1030.1	1004.1
17.5°	3989.2	3738.7	3199.3	2654.5	2081.6	1494.8	1084.2	910.9	837.4	812.2	803.8
20°	3854.1	3556.9	2919.0	2270.7	1580.6	1045.1	846.6	770.3	740.4	733.0	729.3
22.5°	3723.7	3378.2	2650.7	1860.0	1135.3	806.6	727.4	695.8	691.1	697.6	697.6
25°	3612.8	3217.9	2361.1	1430.6	833.6	678.9	651.0	643.5	661.2	685.5	690.2
27.5°	3529.9	3086.7	2052.8	1056.2	664.1	590.5	589.6	601.7	645.5	692.0	701.3
30°	3473.2	2961.8	1723.0	761.9	557.0	519.7	534.6	560.7	625.0	691.1	708.8
32.5°	3444.3	2869.5	1379.4	589.6	476.9	456.3	481.5	513.2	576.6	638.0	661.2
35°	3466.7	2801.6	1055.2	491.7	420.9	405.2	431.2	461.9	499.2	525.3	543.0
37.5°	3550.5	2774.6	796.4	440.6	382.9	367.8	388.4	406.1	420.9	428.4	436.8
40°	3731.2	2803.5	638.0	414.4	361.4	342.7	351.2	357.6	367.0	374.4	378.1
42.5°	3997.6	2890.1	571.9	404.3	350.1	323.2	321.3	324.2	336.2	350.1	353.0
45°	4370.1	3042.9	567.2	410.7	344.6	307.3	299.0	302.6	321.3	342.7	346.5
47.5°	4845.9	3275.7	604.4	430.3	349.3	299.0	285.0	289.6	312.9	341.9	346.5
50°	5422.5	3600.7	666.9	459.2	369.8	300.8	280.4	283.1	307.3	339.0	343.7
52.5°	6103.4	4061.8	734.9	487.1	391.1	312.9	284.1	277.5	299.9	327.9	333.5
55°	6860.6	4653.3	804.7	512.3	402.4	327.9	291.5	270.1	285.9	309.2	313.9
57.5°	7790.1	5480.3	925.8	536.5	409.8	338.0	299.0	262.7	268.2	285.0	288.8
60°	9048.5	6650.2	1139.1	576.6	426.5	341.9	298.1	256.1	250.5	259.8	261.6
62.5°	10556.4	7920.5	1317.0	626.8	454.5	344.6	292.5	251.6	235.7	235.7	237.5
65°	11451.5	8260.5	1218.2	668.7	477.8	341.9	285.9	246.8	224.4	214.2	215.1
67.5°	10692.3	7264.8	1044.1	677.1	476.9	328.8	275.7	238.4	213.3	197.4	196.5
69°	9741.4	6268.3	965.9	654.8	454.5	312.1	262.7	229.1	204.9	188.2	187.2
70°	8974.9	5660.0	914.6	630.5	430.3	299.9	252.4	220.7	198.5	182.6	180.8
72.5°	6525.3	3708.8	781.4	542.0	354.9	251.6	218.0	193.7	177.0	167.6	165.7
75°	3260.9	1768.7	634.2	439.7	271.9	201.1	178.8	162.0	153.7	151.9	150.9
77.5°	1071.1	810.2	453.5	327.9	202.1	157.5	144.3	132.2	130.3	136.0	134.2
80°	588.7	471.2	287.8	217.0	137.8	115.5	113.6	107.1	110.0	119.2	117.4
82.5°	299.9	245.0	177.9	130.3	93.1	82.9	90.3	86.7	90.3	98.8	97.8
85°	148.0	134.2	112.6	79.2	61.5	53.1	64.3	67.0	69.0	75.4	75.4
87.5°	85.7	79.2	59.6	37.2	30.7	28.0	37.2	36.3	42.8	46.6	45.7
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)