

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: P192984

Luminaire Tested: **GAN-AF-06-LED-U-SL4-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24294)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL4-7030-800
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26434.2 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 249
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

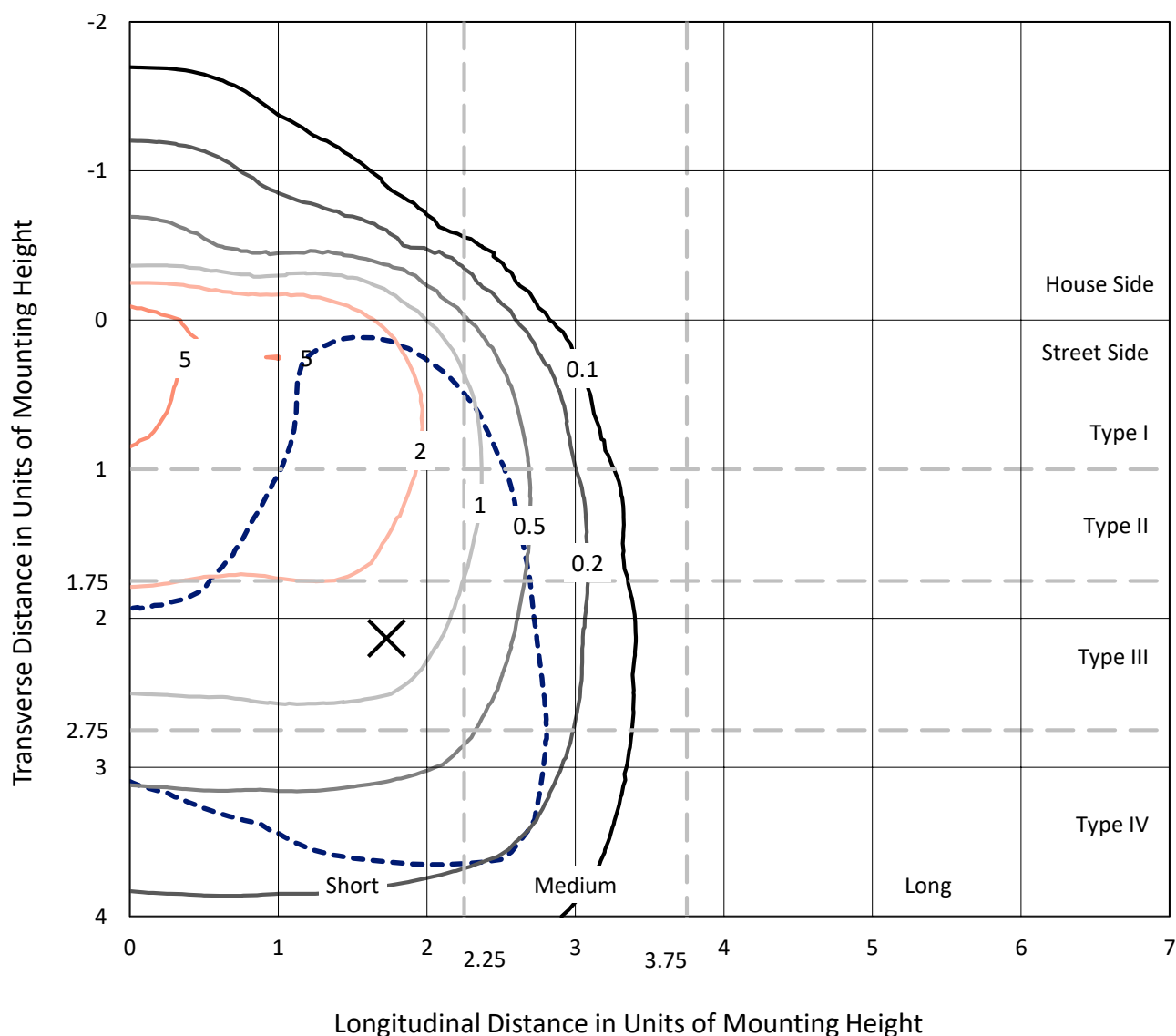


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

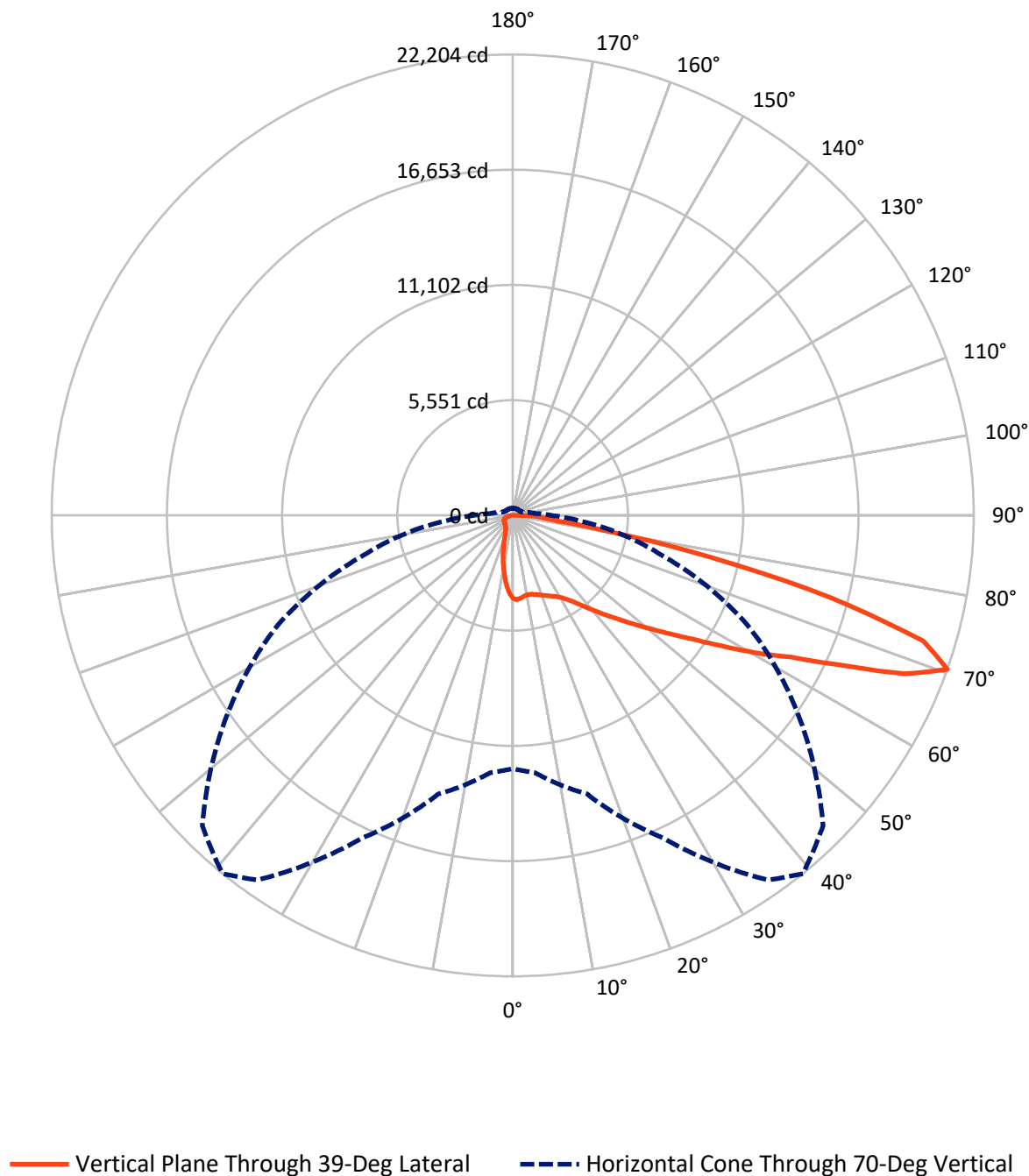


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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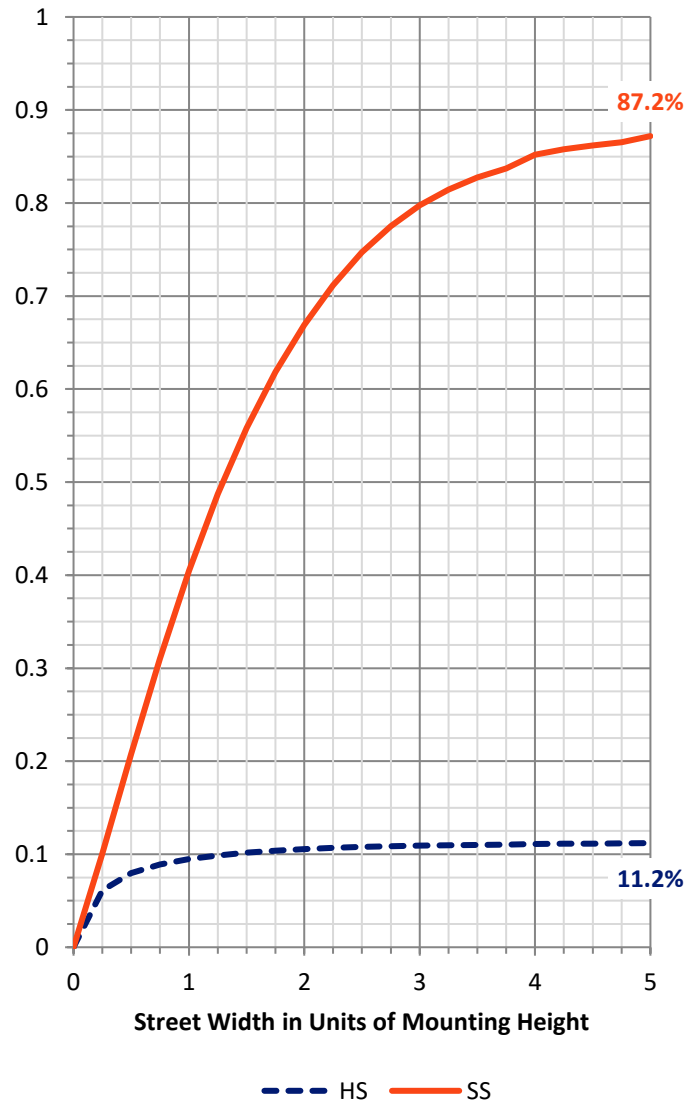
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3006.5	0.0	3006.5
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	23427.7	0.0	23427.7
	% Fixture	88.6	0.0	88.6
Total	Lumens	26434.2	0.0	26434.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.4	1.3
10°-20°	860.9	3.3
20°-30°	1340.4	5.1
30°-40°	2088.1	7.9
40°-50°	3505.6	13.3
50°-60°	5568.9	21.1
60°-70°	7428.3	28.1
70°-80°	4485.8	17.0
80°-90°	811.9	3.1
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°	26434.2	100.0
0°-180°	26434.2	100.0

Coefficient of Utilization



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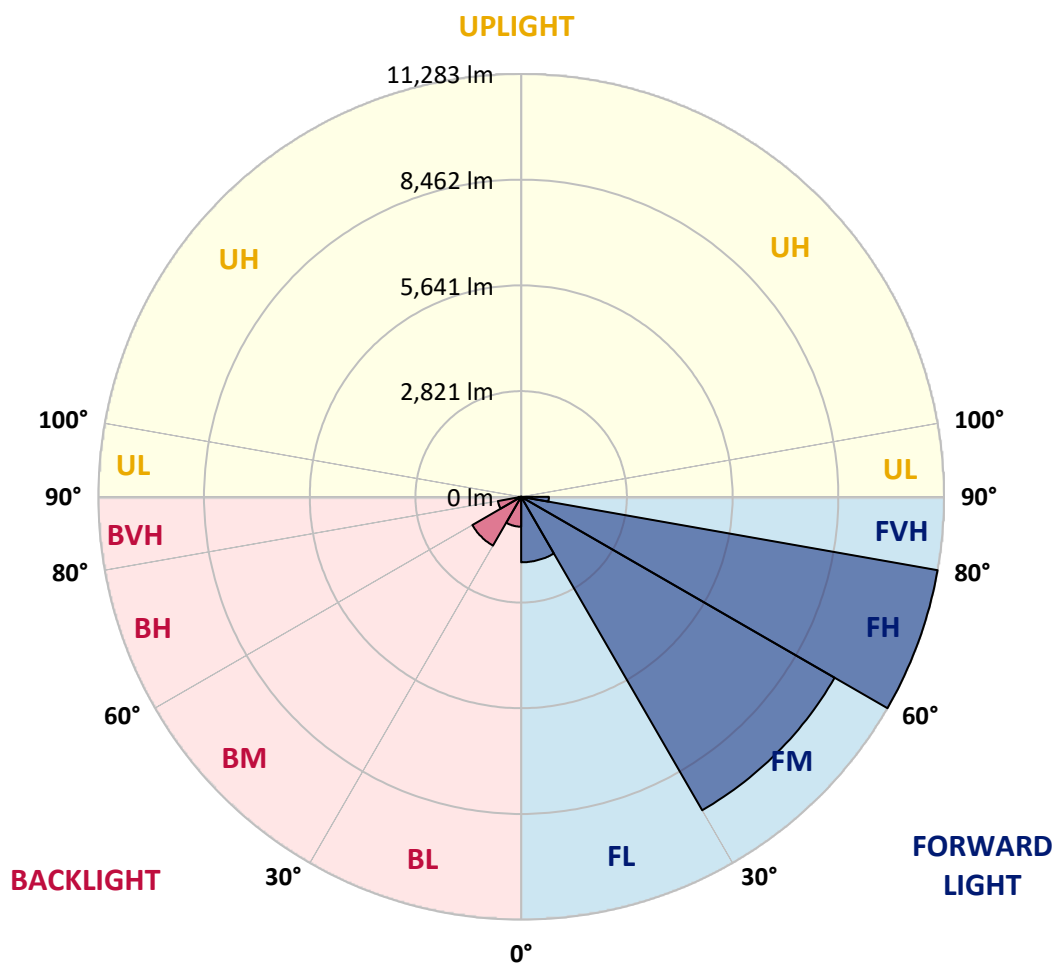
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1748.1	6.6			
FM	(30°-60°)	9658.0	36.5			
FH	(60°-80°)	11282.9	42.7			G4/12000
FVH	(80°-90°)	738.7	2.8			G4/750
BL	(0°-30°)	797.6	3.0	B2/1000		
BM	(30°-60°)	1504.6	5.7	B2/2500		
BH	(60°-80°)	631.2	2.4	B2/1000		G2/1000
BVH	(80°-90°)	73.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1
2.5°	4091.1	4089.7	4078.9	4070.9	4064.2	4061.5	4066.8	4046.8	4029.3	4007.7	3984.9
5°	4060.2	4058.8	4041.4	4025.2	4009.0	4003.7	4002.3	3966.1	3944.6	3912.3	3869.3
7.5°	4026.5	4019.8	3997.0	3970.2	3941.8	3928.4	3915.0	3868.0	3843.7	3811.5	3761.8
10°	3991.6	3983.6	3962.1	3935.2	3908.3	3888.1	3865.3	3819.6	3794.0	3769.9	3712.1
12.5°	3955.3	3948.6	3943.2	3931.1	3912.3	3894.9	3877.4	3838.4	3811.5	3783.3	3716.1
15°	3949.9	3947.3	3959.3	3967.4	3956.8	3945.9	3927.1	3893.5	3865.3	3837.0	3749.7
17.5°	3993.0	3991.6	4022.5	4044.0	4038.7	4019.8	3994.3	3956.8	3933.8	3909.7	3800.8
20°	4087.1	4093.7	4131.4	4159.6	4132.7	4105.9	4064.2	4011.8	3999.7	3988.9	3853.1
22.5°	4264.4	4271.2	4298.0	4308.7	4238.9	4199.9	4142.1	4075.0	4066.8	4075.0	3916.4
25°	4541.3	4534.6	4530.6	4490.2	4362.5	4302.1	4228.2	4158.3	4162.3	4198.7	4005.0
27.5°	4908.3	4871.9	4815.5	4694.6	4491.5	4424.4	4334.4	4269.9	4295.3	4365.2	4138.0
30°	5288.5	5248.3	5117.9	4920.3	4660.9	4587.0	4486.1	4413.6	4480.8	4591.1	4315.5
32.5°	5640.7	5635.3	5444.5	5190.5	4894.9	4830.3	4729.5	4647.5	4756.4	4924.4	4581.6
35°	6025.1	6037.1	5808.7	5503.6	5210.6	5143.4	5070.8	5009.0	5154.2	5385.3	4967.4
37.5°	6436.4	6460.5	6190.4	5846.4	5570.8	5542.6	5499.6	5472.7	5697.1	6017.0	5506.2
40°	6986.0	6961.8	6586.8	6233.3	6013.0	6011.7	5998.3	6030.4	6404.0	6842.2	6198.4
42.5°	7574.6	7503.4	7007.5	6648.7	6498.0	6543.9	6570.8	6702.4	7254.9	7844.9	7042.5
45°	8208.9	8049.1	7444.3	7088.2	7037.1	7133.9	7225.2	7511.5	8256.0	8985.8	7967.0
47.5°	8715.7	8561.1	7895.8	7549.2	7660.7	7807.1	7983.2	8436.1	9376.9	10164.5	8879.7
50°	9114.9	9014.1	8351.4	8086.8	8347.4	8573.2	8860.8	9483.1	10543.5	11312.2	9725.0
52.5°	9501.9	9426.7	8811.1	8637.7	9153.8	9465.6	9856.8	10606.7	11739.7	12441.3	10436.0
55°	9851.4	9797.6	9305.7	9324.5	10102.6	10508.5	11000.4	11886.1	13043.3	13447.8	11038.1
57.5°	10245.1	10176.6	9870.2	10186.0	11321.7	11848.5	12488.3	13324.1	14266.3	14342.9	11496.4
60°	10641.7	10582.6	10496.4	11180.6	12869.9	13423.7	14029.8	14717.9	15506.8	15037.8	11469.5
62.5°	10985.7	10992.3	11144.2	12224.8	14385.9	15027.0	15766.2	16446.2	16629.0	15158.7	10621.4
65°	11568.9	11675.1	12128.1	13703.2	16520.2	17377.6	18284.9	18176.0	16939.5	14028.5	8803.0
67.5°	12262.5	12449.2	13367.3	15673.5	19217.5	20355.9	20706.7	18567.1	15696.3	11403.6	6275.1
70°	12192.6	12449.2	13902.1	17142.4	21440.5	22203.8	21139.5	16803.7	12464.1	7449.7	3333.1
72.5°	10827.0	11194.0	12812.2	16469.0	20740.2	20673.1	18352.1	12527.2	7405.4	2991.7	1302.3
75°	8252.1	8623.0	10015.4	13011.0	16392.5	15828.1	13021.8	6920.2	2810.2	1188.0	821.2
77.5°	4746.9	5034.5	6109.8	7979.2	10399.8	9820.4	7248.0	3077.8	1368.2	827.8	641.1
80°	2650.3	2810.2	3463.4	4048.0	5096.4	4671.7	3243.1	1912.5	1021.5	600.7	494.6
82.5°	2095.3	2237.7	2800.9	2553.6	2327.8	2147.7	1862.8	1702.8	815.8	379.0	295.6
85°	1830.5	1966.2	2370.8	2010.6	1589.9	1458.2	1513.4	1675.9	634.4	228.5	252.7
87.5°	1696.1	1877.5	2112.7	1549.7	1237.8	1096.6	1396.5	1837.2	204.4	142.5	102.1
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°	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1	4013.1
2.5°	3964.7	3943.2	3908.3	3877.4	3829.0	3803.5	3775.2	3755.0	3739.0	3725.5	3747.0
5°	3842.4	3802.1	3728.2	3648.9	3554.9	3480.9	3419.0	3361.3	3320.9	3294.0	3313.0
7.5°	3726.9	3661.0	3545.5	3401.6	3240.3	3103.3	2990.3	2890.9	2822.3	2778.0	2795.5
10°	3661.0	3579.0	3400.2	3174.5	2936.6	2722.8	2545.5	2392.2	2286.1	2225.6	2235.0
12.5°	3644.9	3538.7	3291.4	2980.9	2655.6	2358.7	2108.7	1896.3	1747.2	1669.3	1671.8
15°	3657.0	3521.2	3189.3	2795.5	2384.2	2009.3	1697.5	1439.4	1266.0	1177.4	1175.9
17.5°	3677.1	3507.8	3081.7	2595.2	2108.7	1673.3	1325.2	1072.5	919.3	848.1	842.7
20°	3698.7	3486.3	2960.8	2378.8	1822.5	1361.5	1037.5	839.9	743.2	704.2	701.6
22.5°	3729.6	3467.5	2835.9	2150.3	1541.5	1108.8	853.5	720.3	669.3	649.1	646.5
25°	3779.3	3458.0	2702.7	1912.5	1288.8	927.4	743.2	661.2	631.6	618.2	616.9
27.5°	3862.7	3471.5	2577.8	1681.3	1083.2	805.0	681.4	631.6	610.2	598.0	596.8
30°	3970.2	3513.1	2446.0	1462.2	923.4	721.7	643.7	611.6	594.1	582.0	582.0
32.5°	4148.9	3583.0	2307.7	1272.8	809.1	664.0	615.5	594.1	579.3	569.9	568.4
35°	4412.3	3714.7	2178.6	1115.5	727.1	622.2	591.3	575.2	564.5	559.1	559.1
37.5°	4795.3	3923.1	2064.4	1002.6	677.4	594.1	568.4	556.4	549.7	549.7	549.7
40°	5310.1	4210.7	1971.6	927.4	649.1	573.8	551.0	541.6	537.5	538.9	538.9
42.5°	5945.8	4584.3	1909.8	874.9	635.7	561.8	538.9	530.9	526.8	525.5	526.8
45°	6670.2	5009.0	1903.1	836.0	622.2	553.7	530.9	522.8	514.7	509.3	509.3
47.5°	7374.5	5440.4	1958.2	822.5	607.5	544.3	524.1	516.1	504.0	491.8	491.8
50°	7996.6	5807.3	2032.1	827.8	602.1	530.9	513.4	509.3	490.6	477.1	475.8
52.5°	8491.3	6089.6	2092.6	844.0	607.5	521.5	500.0	501.3	481.2	466.3	465.0
55°	8887.7	6275.1	2076.5	860.2	619.6	516.1	487.9	490.6	474.4	459.7	459.7
57.5°	9061.1	6206.5	1897.8	846.8	629.0	517.5	478.4	489.2	475.8	462.2	462.2
60°	8688.9	5597.7	1563.1	787.5	616.9	513.4	474.4	494.6	493.2	479.7	478.4
62.5°	7562.6	4507.7	1212.2	700.3	575.2	493.2	463.7	493.2	508.0	504.0	502.7
65°	5828.9	3210.8	926.0	606.2	518.8	459.7	435.4	462.2	482.5	487.9	486.5
67.5°	3783.3	1967.5	713.7	517.5	455.6	420.6	399.2	411.3	415.3	415.3	412.6
70°	1860.0	1059.0	568.4	435.4	391.1	379.0	366.9	360.2	353.5	348.1	348.1
72.5°	917.9	692.1	467.7	368.2	337.4	331.9	329.3	321.2	315.9	309.1	306.5
75°	678.7	563.1	397.8	310.4	290.3	284.9	290.3	283.5	282.2	276.9	274.1
77.5°	557.8	479.7	342.7	266.1	248.7	239.3	247.3	248.7	249.9	241.9	239.3
80°	452.9	405.9	286.3	220.3	204.4	197.5	202.9	213.7	216.4	204.4	199.0
82.5°	326.5	331.9	231.2	172.1	158.5	153.2	164.0	177.4	180.1	162.6	158.5
85°	274.1	276.9	177.4	122.3	108.8	100.8	118.2	131.6	141.2	123.7	119.6
87.5°	114.2	162.6	102.1	68.5	60.5	52.5	63.2	69.9	84.6	77.9	76.6
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)