

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: P323437

Luminaire Tested: **GAN-SA3B-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12465 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

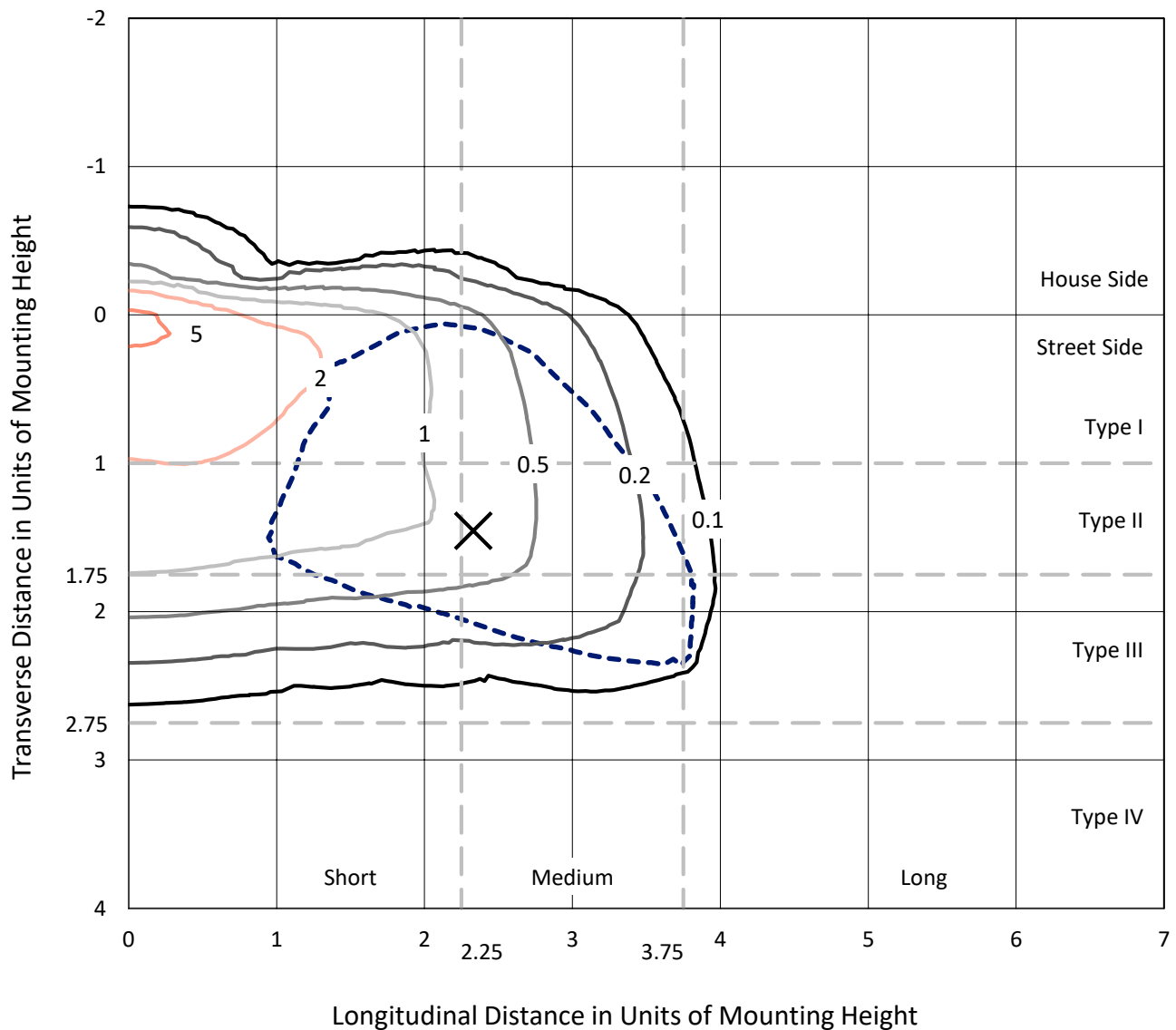
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

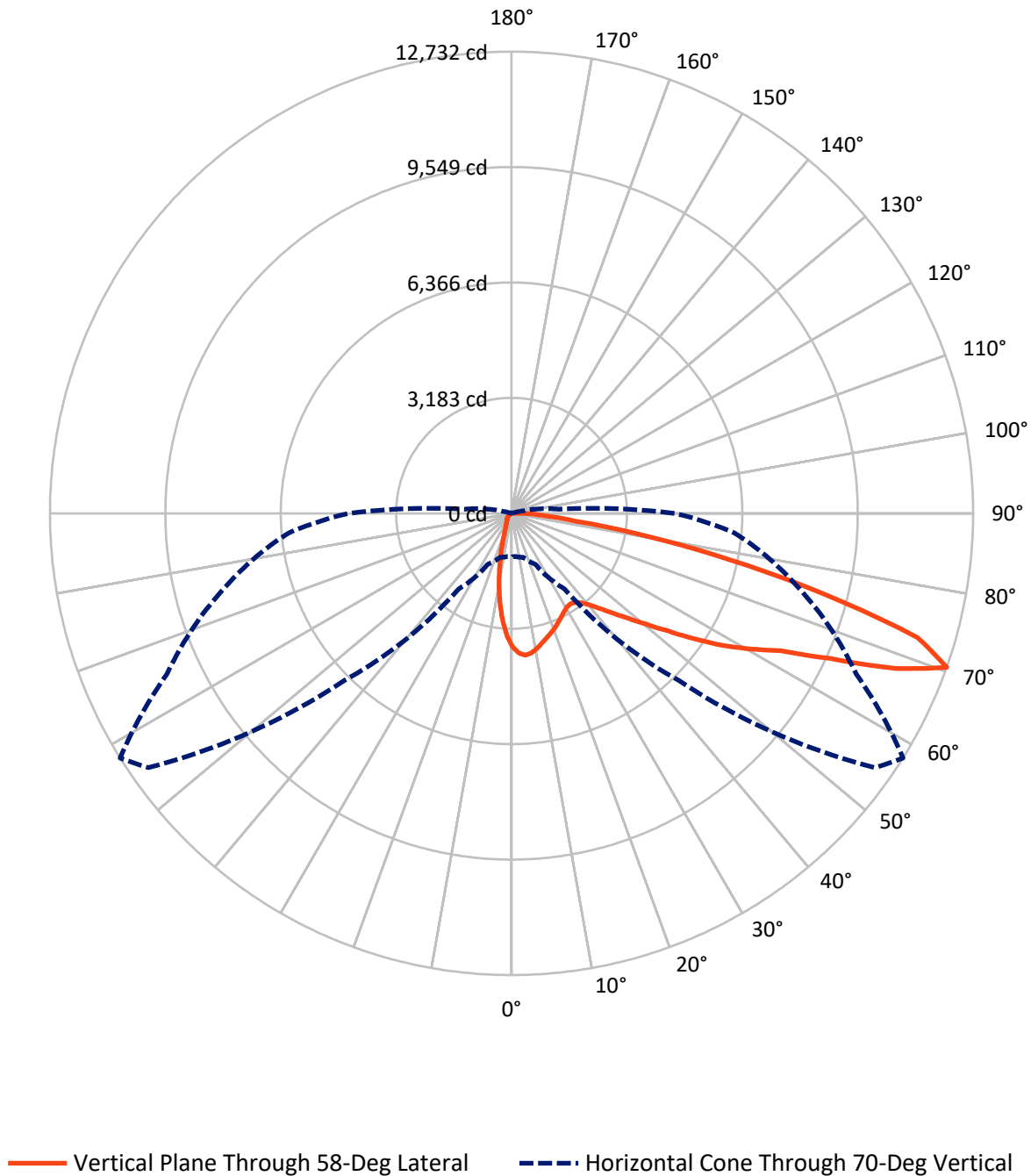
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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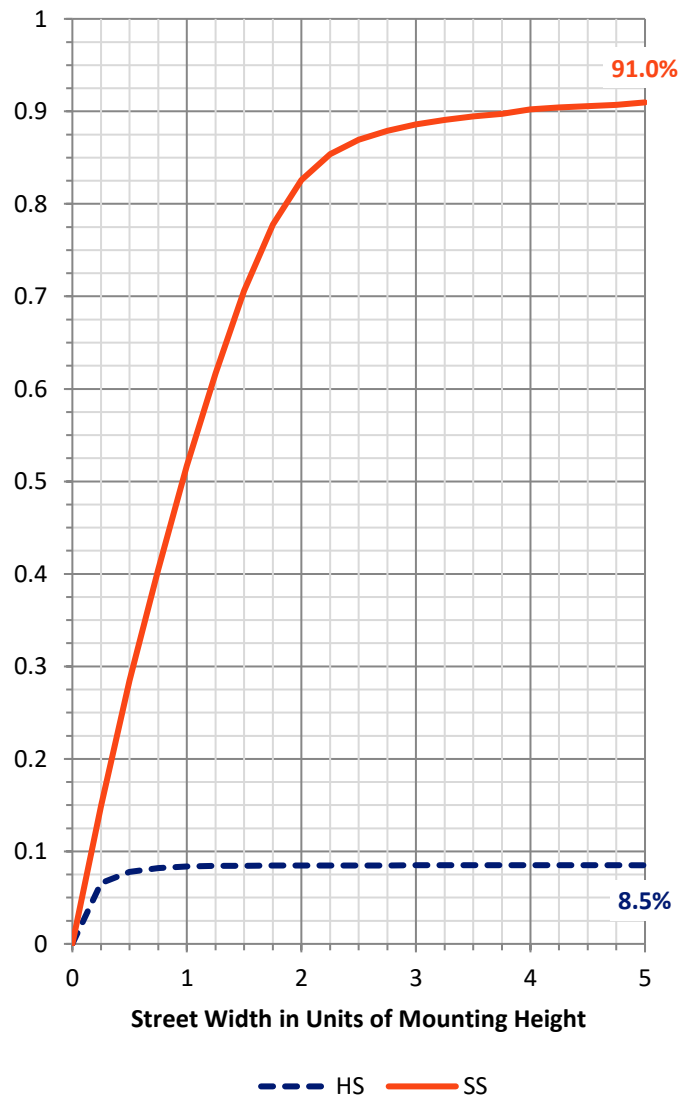
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1066.7	0.0	1066.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	11398.3	0.0	11398.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	12465.0	0.0	12465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.1	2.4
10°-20°	631.9	5.1
20°-30°	830.8	6.7
30°-40°	1100.3	8.8
40°-50°	1644.6	13.2
50°-60°	2634.6	21.1
60°-70°	3320.8	26.6
70°-80°	1791.2	14.4
80°-90°	209.7	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°	12465.0	100.0
0°-180°	12465.0	100.0

Coefficient of Utilization



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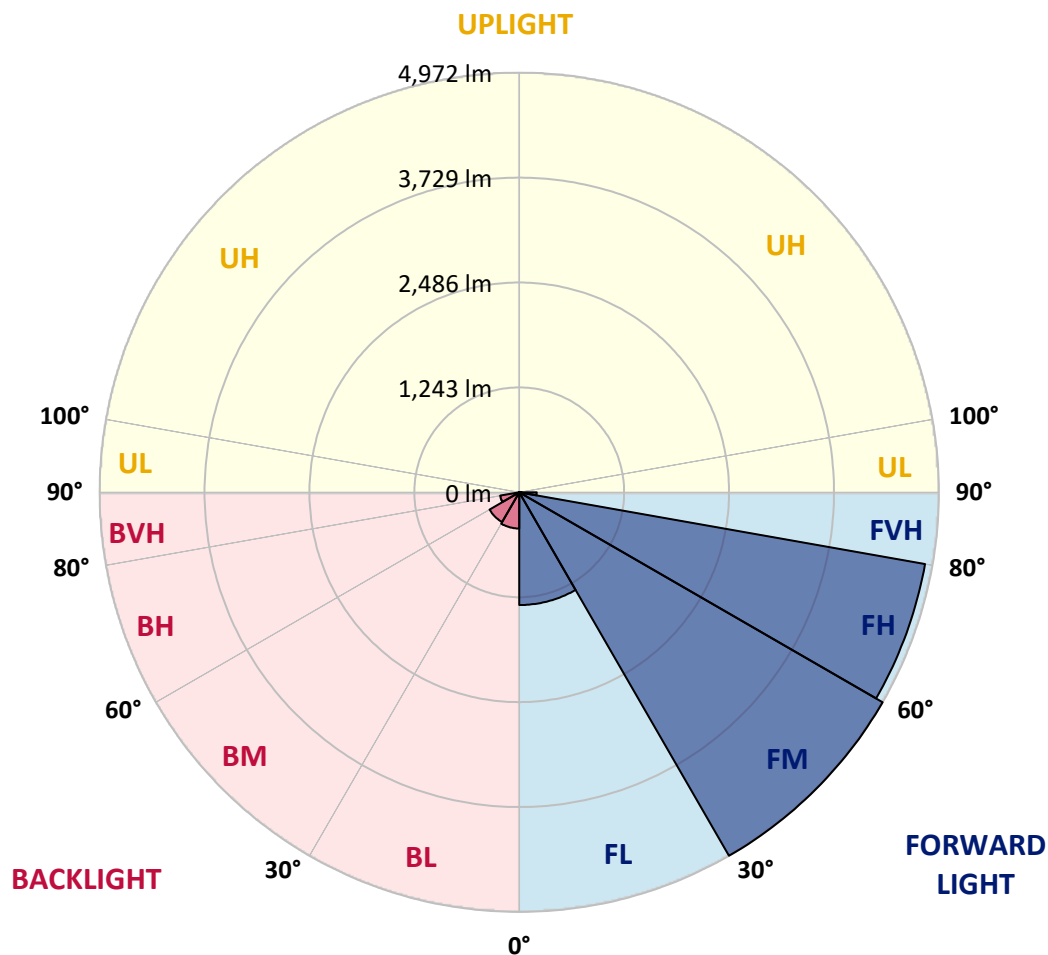
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1335.3	10.7			
FM	(30°-60°)	4972.5	39.9			
FH	(60°-80°)	4882.7	39.2			G2/5000
FVH	(80°-90°)	207.9	1.7			G2/225
BL	(0°-30°)	428.6	3.4	B1/500		
BM	(30°-60°)	406.9	3.3	B1/1000		
BH	(60°-80°)	229.4	1.8	B1/500		G1/500
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1
2.5°	3987.4	3977.5	3973.9	3967.7	3943.9	3920.5	3874.4	3861.4	3832.4	3763.5	3690.4
5°	3990.5	3990.0	4000.9	3998.3	3990.0	3979.1	3945.9	3928.8	3879.6	3781.1	3647.4
7.5°	3798.2	3808.1	3832.4	3852.1	3874.9	3904.5	3908.6	3892.0	3851.6	3745.3	3568.1
10°	3540.1	3555.6	3589.8	3628.7	3688.3	3747.4	3800.3	3798.2	3784.2	3679.5	3472.7
12.5°	3281.4	3299.6	3339.0	3396.5	3481.0	3577.4	3671.7	3684.7	3708.0	3620.4	3384.6
15°	3054.9	3070.5	3109.4	3179.9	3284.6	3414.1	3552.5	3576.4	3636.5	3574.3	3311.0
17.5°	2862.6	2872.5	2901.0	2979.3	3100.6	3257.6	3437.5	3484.1	3573.8	3538.0	3247.2
20°	2728.4	2730.0	2748.6	2803.6	2924.8	3100.6	3318.2	3385.1	3507.4	3506.9	3181.4
22.5°	2662.1	2656.9	2660.5	2692.1	2781.3	2950.8	3199.0	3278.3	3447.8	3480.5	3114.5
25°	2649.6	2645.5	2635.1	2639.3	2693.2	2819.6	3078.8	3170.5	3395.5	3464.4	3056.5
27.5°	2688.5	2692.6	2675.0	2656.4	2660.5	2734.6	2972.0	3078.3	3353.0	3464.4	3015.6
30°	2766.8	2768.8	2755.9	2731.5	2698.9	2710.8	2897.9	3004.1	3331.7	3488.3	2989.6
32.5°	2853.3	2864.7	2863.2	2843.5	2796.8	2748.6	2880.3	2977.2	3330.2	3541.1	2987.0
35°	2960.6	2973.6	2995.3	2991.2	2942.5	2863.2	2940.4	3016.6	3360.7	3628.2	3015.0
37.5°	3074.6	3094.3	3141.0	3163.3	3131.7	3042.0	3075.2	3129.6	3442.6	3769.2	3086.0
40°	3185.0	3207.3	3292.3	3379.9	3356.1	3263.8	3279.4	3322.9	3588.3	3971.8	3220.8
42.5°	3293.4	3326.5	3451.5	3595.5	3624.1	3550.5	3558.7	3593.5	3804.4	4250.7	3441.1
45°	3422.9	3460.3	3645.3	3823.1	3899.3	3867.1	3902.4	3925.2	4086.9	4619.2	3738.1
47.5°	3613.2	3656.2	3883.2	4085.9	4219.6	4240.3	4311.3	4326.4	4444.0	5048.4	4125.3
50°	3984.3	3996.2	4201.5	4385.5	4578.3	4702.7	4783.5	4794.9	4876.3	5517.5	4608.8
52.5°	4451.3	4459.1	4575.2	4698.5	4917.8	5171.7	5360.9	5377.0	5394.1	5974.6	5086.2
55°	4915.2	4914.1	4990.8	5063.4	5314.3	5683.3	6093.8	6103.7	5980.8	6408.4	5451.1
57.5°	5204.9	5232.9	5349.5	5442.8	5793.2	6266.4	6836.0	6872.3	6597.1	6729.8	5811.9
60°	5112.6	5126.1	5384.8	5730.0	6389.8	7095.2	7587.1	7596.4	7060.5	7050.6	6268.0
62.5°	4355.9	4363.2	4769.5	5481.2	6692.0	8170.2	8493.1	8341.2	7593.3	7495.9	6813.8
65°	2985.5	3032.7	3372.2	4251.7	6136.8	8844.5	9895.6	9644.3	8405.5	8137.5	7307.2
67.5°	1758.1	1748.3	1916.2	2564.1	4507.3	8396.7	11669.8	11420.0	9513.1	8567.2	7162.6
70°	1200.9	1194.2	1258.5	1552.4	2544.4	6513.7	12228.1	12732.4	10491.2	8278.0	6164.3
72.5°	857.3	860.9	955.8	1206.1	1597.4	3795.1	10515.6	11709.2	10184.9	7216.5	4685.6
75°	582.1	591.9	727.7	989.5	1400.5	1930.7	7462.2	8901.0	8293.5	5244.8	2693.2
77.5°	313.1	323.9	484.1	797.2	1266.2	1341.4	4800.1	6126.0	5209.6	2357.8	780.6
80°	130.6	136.8	226.5	579.5	1094.2	1178.1	2824.3	3714.8	2219.9	464.9	174.2
82.5°	56.5	59.6	94.3	345.7	817.9	994.6	1495.3	1787.1	672.8	102.1	87.6
85°	10.9	11.4	38.9	183.0	521.9	561.3	969.2	950.1	302.2	44.1	63.8
87.5°	0.0	0.0	9.3	57.5	153.4	305.8	591.4	584.1	102.6	21.3	23.8
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°	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1	3682.1
2.5°	3653.1	3617.3	3542.2	3449.4	3378.4	3300.1	3237.9	3159.1	3124.9	3126.5	3107.8
5°	3571.2	3497.6	3331.2	3121.3	2959.6	2792.7	2649.1	2506.0	2421.6	2394.1	2368.2
7.5°	3454.0	3337.4	3072.0	2748.6	2474.9	2207.5	1974.8	1770.0	1640.5	1577.2	1553.9
10°	3321.9	3158.1	2774.0	2348.0	1957.2	1595.4	1293.7	1031.4	926.7	855.7	837.6
12.5°	3205.8	2983.9	2482.7	1936.9	1473.0	1036.6	749.0	585.7	514.7	486.7	482.0
15°	3096.4	2821.2	2202.3	1564.8	1020.0	638.0	476.3	420.9	404.3	399.6	399.6
17.5°	2993.3	2666.2	1928.1	1198.3	674.8	447.3	394.4	382.0	376.8	376.3	376.8
20°	2885.5	2511.2	1658.6	878.0	471.1	378.9	364.4	357.6	356.1	356.1	356.1
22.5°	2782.3	2356.3	1396.3	627.2	377.9	345.7	338.5	333.8	332.2	331.7	330.7
25°	2683.3	2209.1	1140.3	443.2	331.7	316.7	310.5	304.3	299.6	297.0	295.4
27.5°	2601.9	2077.9	901.9	355.6	299.6	286.6	278.9	269.5	258.1	252.9	250.9
30°	2537.1	1958.2	695.1	300.1	269.5	256.6	244.6	228.6	212.0	203.2	202.7
32.5°	2486.4	1840.5	527.6	265.4	242.6	226.5	209.4	189.2	170.0	160.2	159.6
35°	2461.5	1736.9	403.2	240.0	218.7	198.5	177.3	155.0	136.3	127.0	126.0
37.5°	2478.1	1649.3	314.6	218.7	198.5	175.2	150.3	127.0	110.4	102.1	101.6
40°	2538.7	1593.3	255.5	200.6	181.4	152.9	126.0	104.2	90.2	83.4	82.9
42.5°	2667.8	1572.6	218.2	185.6	164.8	132.2	104.7	86.0	73.1	68.4	67.4
45°	2883.4	1603.1	192.8	171.0	147.7	112.5	86.6	70.5	59.1	55.5	54.9
47.5°	3170.5	1683.5	174.7	157.0	132.2	94.9	72.0	57.0	48.2	44.6	44.1
50°	3540.6	1811.0	159.6	143.1	117.7	80.3	59.6	45.1	37.3	34.7	34.7
52.5°	3943.3	1962.9	146.2	130.1	103.1	66.9	48.2	34.7	29.5	26.4	26.4
55°	4276.1	2095.5	131.7	120.2	85.5	55.5	36.8	26.4	21.8	20.2	20.2
57.5°	4608.3	2237.0	115.1	103.1	68.4	45.1	28.0	19.7	16.1	15.0	15.0
60°	5039.0	2410.2	99.0	84.0	53.9	34.2	20.7	14.0	11.9	11.4	11.4
62.5°	5512.8	2511.7	84.5	67.4	42.0	25.4	15.0	9.3	8.8	8.8	8.3
65°	5802.5	2368.2	71.0	53.9	32.7	19.2	9.8	6.7	7.8	7.3	6.2
67.5°	5433.0	1854.0	58.1	42.0	25.4	14.5	6.2	4.7	8.3	6.7	5.2
70°	4498.4	1297.9	45.1	29.5	20.2	12.4	4.1	3.1	8.8	6.7	4.1
72.5°	3366.4	868.7	35.8	19.7	15.0	10.9	3.6	1.6	7.8	5.7	3.6
75°	1839.5	349.9	28.5	12.4	9.3	7.8	2.6	1.0	5.2	4.1	2.6
77.5°	484.1	92.3	20.7	8.3	5.2	3.1	1.6	0.5	2.6	2.1	1.0
80°	123.4	35.8	13.5	5.7	3.6	1.6	0.0	0.0	0.5	0.0	0.0
82.5°	65.8	15.0	8.3	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	49.8	9.8	4.7	2.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.2	3.1	1.6	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)