

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: P266691

Luminaire Tested: **GAN-AF-02-LED-U-SLL-7027-1200-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-02-LED-U-SLL-7027-1200-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10200.5 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 129
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

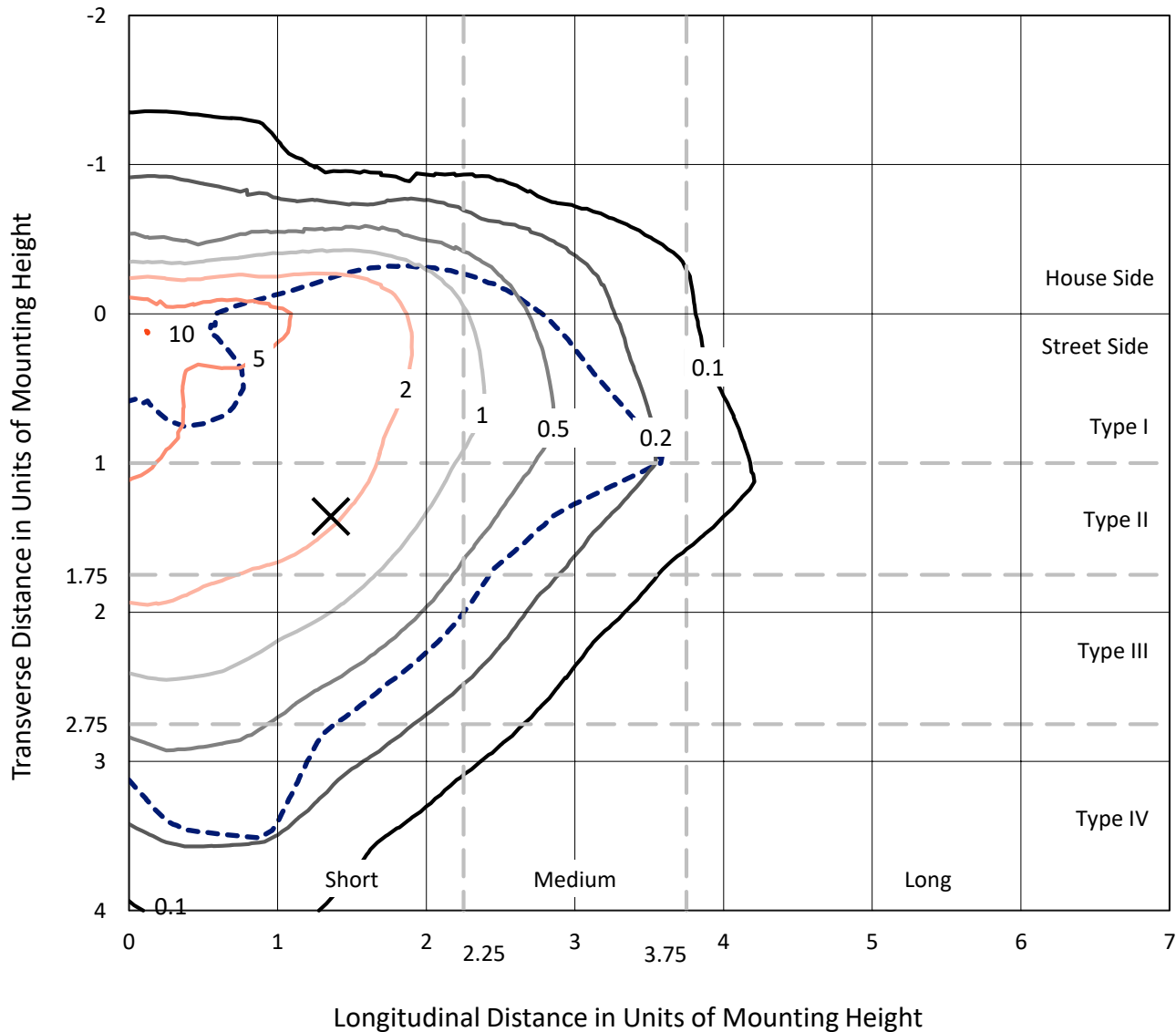


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

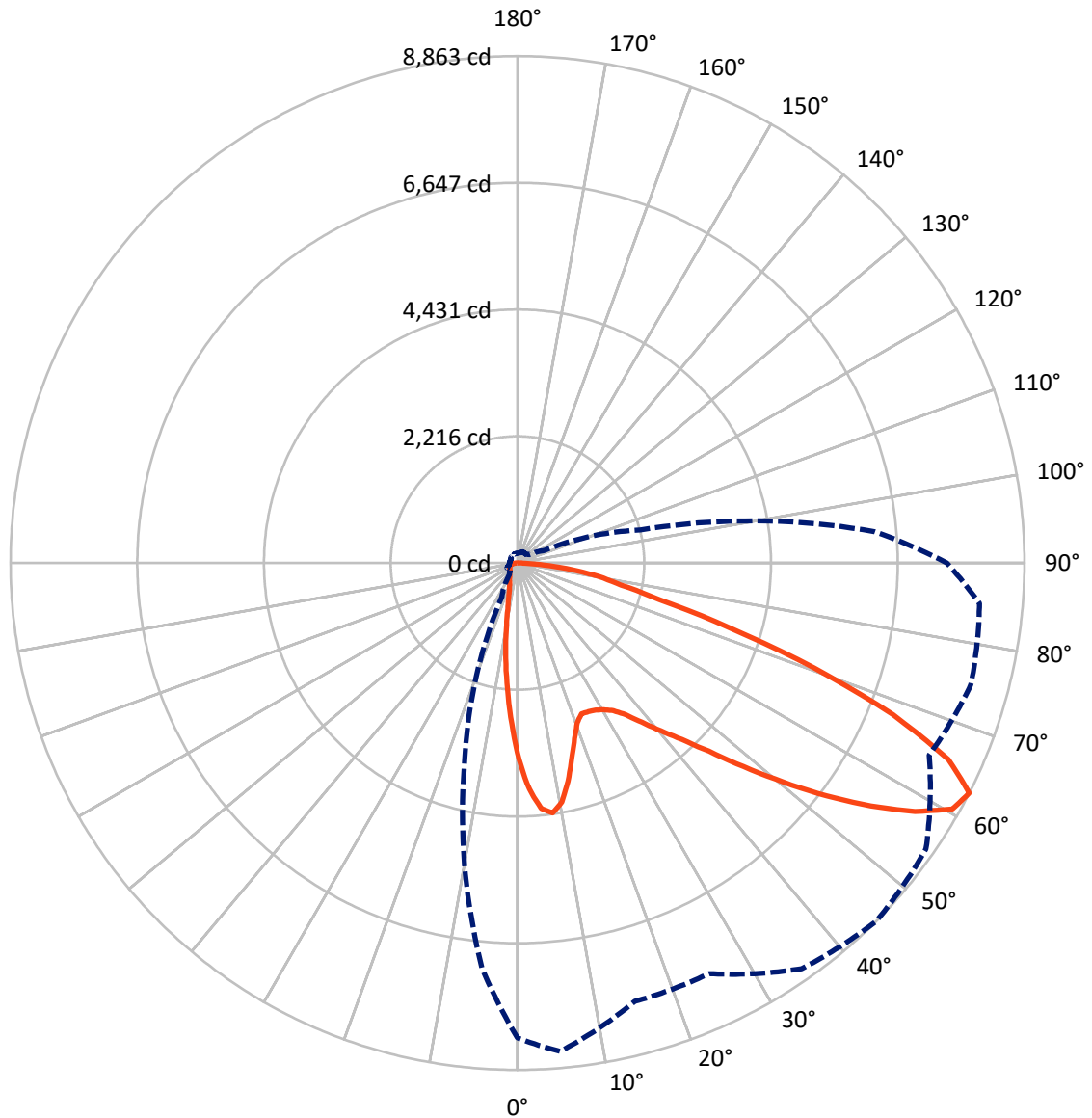


Based on 20 foot mounting height. Maximum calculated value = 10.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1688.0	0.0	1688.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8512.5	0.0	8512.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	10200.5	0.0	10200.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.9	2.5
10°-20°	460.0	4.5
20°-30°	670.7	6.6
30°-40°	1033.0	10.1
40°-50°	1520.3	14.9
50°-60°	2230.0	21.9
60°-70°	2492.8	24.4
70°-80°	1220.5	12.0
80°-90°	322.2	3.2
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°	10200.5	100.0
0°-180°	10200.5	100.0

Coefficient of Utilization



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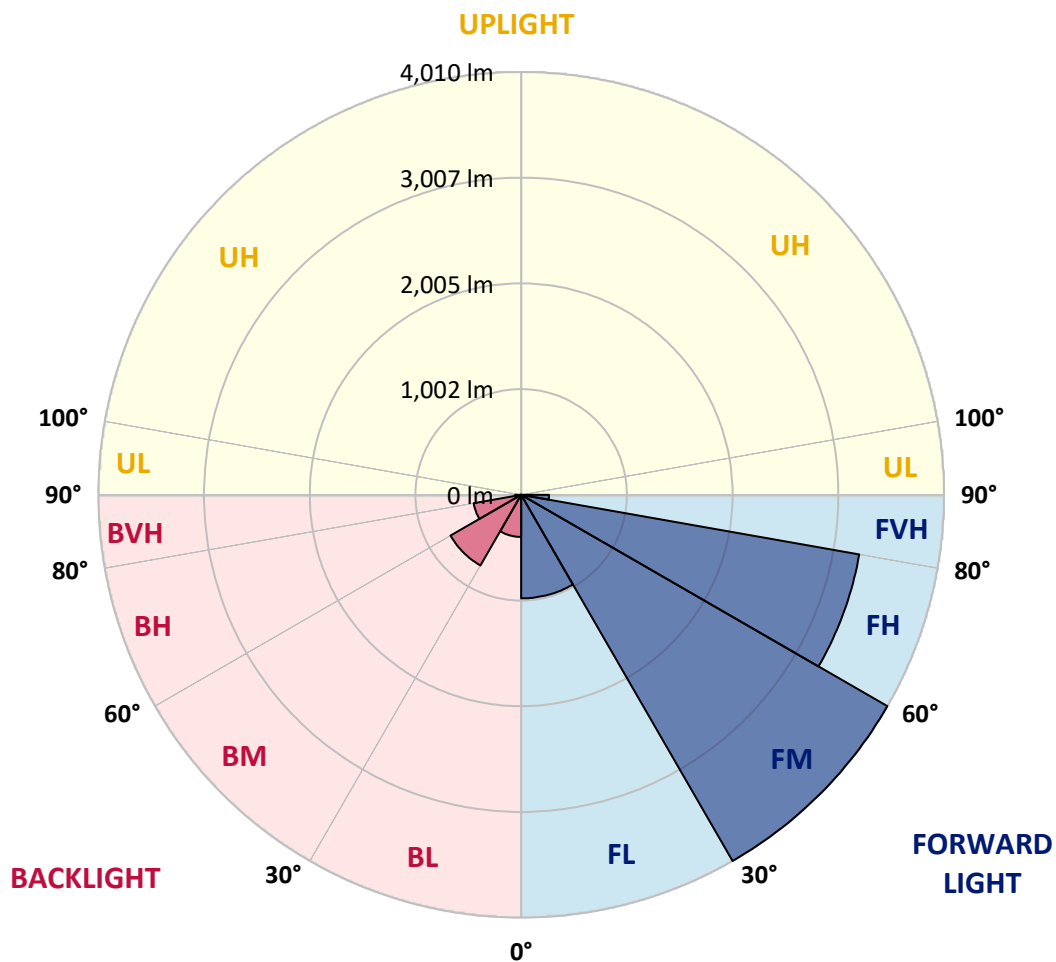
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	982.3	9.6			
FM (30°-60°)	4009.9	39.3			
FH (60°-80°)	3255.7	31.9			G2/5000
FVH (80°-90°)	264.6	2.6			G3/500
BL (0°-30°)	399.4	3.9	B1/500		
BM (30°-60°)	773.4	7.6	B1/1000		
BH (60°-80°)	457.6	4.5	B1/500		G1/500
BVH (80°-90°)	57.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3
2.5°	3580.9	3638.0	3749.6	3833.2	3934.7	3958.2	3990.8	3958.8	3902.1	3827.0	3802.3
5°	3367.2	3489.5	3760.3	3998.6	4210.5	4309.3	4336.7	4255.5	4091.2	3875.3	3743.4
7.5°	3024.7	3198.4	3565.2	3916.3	4228.5	4413.1	4408.5	4219.6	3917.2	3565.7	3354.4
10°	2729.1	2927.5	3348.2	3740.7	4072.0	4251.0	4182.0	3940.2	3579.7	3174.9	2945.5
12.5°	2563.8	2758.2	3185.0	3579.1	3856.2	3917.9	3865.1	3628.6	3288.8	2879.3	2678.7
15°	2535.0	2748.8	3120.0	3440.7	3596.1	3542.1	3479.3	3373.3	3133.4	2784.0	2574.9
17.5°	2659.1	2894.5	3194.6	3344.2	3317.9	3224.2	3206.3	3218.1	3160.2	2890.0	2648.9
20°	2896.8	3179.5	3372.2	3298.8	3106.5	2977.5	2982.1	3162.0	3333.0	3158.6	2883.3
22.5°	3230.5	3552.8	3628.6	3322.9	3017.3	2864.2	2901.3	3192.8	3608.3	3551.2	3199.6
25°	3662.2	3956.0	3901.6	3410.4	3026.3	2878.3	2908.1	3299.4	3933.6	3943.6	3591.0
27.5°	4080.6	4352.9	4130.9	3526.4	3063.3	2911.3	2950.7	3467.1	4244.2	4369.9	4038.4
30°	4406.8	4596.4	4221.8	3632.4	3136.3	2975.8	3024.7	3626.3	4385.5	4657.5	4382.7
32.5°	4677.1	4813.4	4366.4	3763.7	3270.2	3077.4	3163.1	3819.8	4589.1	4931.2	4719.8
35°	5022.6	5061.2	4546.4	3910.1	3477.1	3254.0	3360.5	4009.2	4783.0	5207.6	5051.7
37.5°	5427.4	5377.4	4716.3	4110.3	3744.7	3530.3	3618.5	4217.4	4943.0	5521.1	5390.9
40°	5827.8	5707.7	4929.4	4420.9	4134.9	3856.2	3960.4	4439.3	5092.0	5835.0	5722.4
42.5°	6168.1	5990.3	5139.7	4762.4	4498.3	4215.7	4340.2	4663.1	5234.5	6103.1	6010.0
45°	6419.8	6198.9	5340.0	5090.3	4999.0	4693.4	4752.3	4919.4	5388.8	6326.9	6246.6
47.5°	6644.8	6408.7	5566.4	5421.2	5436.9	5314.6	5220.0	5217.6	5570.4	6509.6	6470.3
50°	6945.9	6699.6	5809.8	5762.2	6094.1	6012.7	5803.6	5565.9	5800.3	6717.0	6712.6
52.5°	7360.8	7160.6	6106.9	6129.5	6707.6	6760.9	6501.8	5984.1	6160.2	7097.8	7070.9
55°	7851.5	7734.8	6511.9	6551.7	7460.1	7498.2	7240.8	6507.3	6689.6	7649.0	7574.5
57.5°	8234.5	8209.8	6955.9	7058.5	8022.0	8193.5	7956.8	7113.0	7286.2	8113.3	7926.0
60°	8386.9	8506.4	7428.7	7569.9	8541.8	8731.9	8524.3	7645.0	7815.0	8305.5	7901.9
62.5°	8304.6	8571.4	7932.3	7920.4	8657.8	8862.5	8716.7	7941.1	8206.9	8107.2	7502.1
65°	7923.8	8337.6	8224.3	7830.2	8260.8	8277.6	8230.5	7808.8	8299.5	7479.6	6729.5
67.5°	7094.5	7689.9	7839.7	7056.4	7189.8	7080.4	7001.4	7084.4	7817.2	6539.3	5655.5
70°	5778.3	6674.4	6746.2	5643.8	5583.2	5509.8	5352.2	5808.1	6865.7	5359.5	4487.7
72.5°	4248.8	5190.8	5411.1	4139.4	3858.9	3874.1	3749.6	4377.1	5582.2	3981.3	3350.4
75°	2906.8	3758.6	4233.5	2888.4	2551.9	2558.1	2542.5	3101.5	4446.2	2769.5	2507.1
77.5°	2123.6	2685.4	3192.8	1941.9	1885.3	1850.4	1842.1	2170.0	3408.7	2010.8	1946.8
80°	1704.1	1983.8	2144.9	1345.8	1447.3	1444.5	1397.9	1492.2	2226.1	1470.9	1456.2
82.5°	1182.0	1524.7	1737.7	1054.7	976.7	960.6	971.7	1111.5	1573.4	1005.5	956.1
85°	623.6	1012.7	1721.0	934.7	579.8	462.5	575.4	910.1	1363.2	532.8	466.5
87.5°	79.6	292.7	1139.4	372.8	228.8	123.3	273.1	512.6	875.3	108.8	94.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3
2.5°	3738.9	3664.5	3566.8	3476.6	3382.9	3289.9	3168.1	3091.8	3039.1	3029.2	3006.6
5°	3648.1	3400.4	3213.0	3051.0	2904.1	2696.6	2581.5	2486.2	2435.2	2430.3	2417.9
7.5°	3229.2	2887.2	2634.3	2405.0	2197.0	2029.4	1844.3	1758.0	1722.6	1731.0	1739.4
10°	2793.5	2411.2	2120.7	1886.4	1702.9	1561.7	1413.0	1312.8	1243.2	1229.2	1226.4
12.5°	2475.1	2055.6	1773.7	1608.1	1466.4	1333.4	1175.9	1057.6	967.3	936.5	915.7
15°	2340.5	1881.8	1586.3	1408.1	1251.6	1082.7	936.5	812.4	729.6	702.7	687.5
17.5°	2369.1	1833.6	1457.4	1229.2	1029.0	852.9	668.3	562.3	512.6	499.5	499.5
20°	2519.3	1824.6	1350.8	1064.3	814.8	610.7	459.3	398.7	382.4	380.7	385.3
22.5°	2730.2	1856.1	1271.2	921.3	633.0	445.7	357.7	335.2	328.1	329.7	334.8
25°	3044.3	1962.0	1213.4	794.0	496.9	365.0	319.1	305.7	302.2	306.7	312.9
27.5°	3416.6	2068.0	1177.6	698.2	419.4	333.6	303.4	289.3	291.6	297.2	302.8
30°	3743.4	2154.9	1120.9	629.7	395.3	335.2	303.4	284.4	282.1	283.1	284.9
32.5°	4036.8	2213.9	1054.7	564.7	340.9	297.8	283.1	280.5	268.1	263.6	264.1
35°	4289.6	2213.9	1014.9	526.5	305.7	264.1	240.6	226.6	220.4	221.0	227.1
37.5°	4533.6	2169.4	995.3	505.2	286.5	251.3	230.4	218.1	209.8	208.0	209.1
40°	4748.9	2105.0	972.9	496.3	271.9	243.4	223.8	213.6	204.6	201.8	202.4
42.5°	4921.6	2052.8	948.3	484.5	262.9	237.7	219.2	210.3	200.2	197.4	196.8
45°	5108.3	2035.5	915.7	460.9	267.4	238.3	218.1	208.5	198.4	195.1	194.0
47.5°	5354.4	2089.8	882.0	433.0	276.9	241.1	219.8	208.5	197.9	195.1	194.0
50°	5664.5	2217.7	839.5	392.0	267.4	249.0	219.2	206.9	197.9	195.1	192.9
52.5°	6062.8	2390.4	783.3	344.9	261.9	268.1	218.1	203.6	195.1	191.2	187.2
55°	6546.6	2531.8	716.6	306.1	249.0	262.9	216.4	199.7	190.6	185.1	181.6
57.5°	6901.0	2582.7	630.8	280.9	231.0	254.6	214.2	194.6	185.1	180.6	176.1
60°	6830.9	2484.1	558.4	265.2	220.4	229.8	212.4	190.1	180.0	176.6	172.7
62.5°	6269.6	2226.1	511.9	258.0	213.6	209.8	214.2	185.6	175.4	172.1	171.0
65°	5428.0	1845.4	493.4	256.2	208.0	197.9	199.1	180.6	170.5	167.7	166.5
67.5°	4477.5	1489.3	477.2	261.9	200.7	189.5	184.0	173.8	165.4	162.7	160.3
70°	3531.0	1238.7	470.0	258.5	191.8	181.1	175.0	166.5	159.3	156.5	154.8
72.5°	2843.4	1046.3	466.0	255.1	180.0	169.9	164.3	157.1	149.2	148.0	146.3
75°	2406.1	822.6	426.8	244.5	166.5	156.5	152.5	145.7	137.9	137.9	136.8
77.5°	1856.1	594.9	354.9	216.4	152.5	141.4	137.9	132.9	124.0	125.7	125.0
80°	1371.1	388.1	277.5	179.4	135.1	124.4	122.8	117.8	108.2	110.4	110.4
82.5°	939.3	254.6	199.7	147.0	115.5	105.5	105.5	100.4	89.7	90.9	94.2
85°	471.6	175.0	149.2	113.8	89.7	84.7	84.7	80.8	70.1	70.6	75.2
87.5°	143.5	105.5	98.8	81.2	64.5	63.4	60.5	57.8	51.1	50.5	53.3
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3
2.5°	2972.5	2940.5	2901.9	2816.5	2788.0	2786.4	2812.1	2785.1	2836.8	2814.8	2839.1
5°	2397.1	2365.7	2322.6	2213.9	2147.6	2102.8	2081.5	2018.6	2064.0	2031.0	2058.5
7.5°	1763.0	1770.2	1741.6	1677.8	1533.6	1461.4	1418.7	1380.5	1413.7	1410.2	1463.0
10°	1239.2	1258.9	1238.7	1174.2	1057.6	1017.7	1025.5	1040.7	1084.0	1106.4	1187.6
12.5°	892.1	890.9	878.2	820.3	743.5	748.0	780.0	806.4	846.2	869.6	952.7
15°	666.2	656.0	650.5	603.3	559.6	569.2	584.8	587.6	612.9	626.8	694.2
17.5°	503.5	508.6	514.8	481.1	448.1	441.8	429.5	414.4	421.7	424.4	458.1
20°	399.7	420.0	435.0	411.6	377.9	360.0	344.3	334.2	334.2	333.6	343.2
22.5°	349.4	364.0	380.3	364.0	333.6	317.9	308.9	301.1	300.0	300.0	308.9
25°	321.9	332.6	348.3	337.0	314.5	302.8	294.4	284.4	280.5	279.3	285.4
27.5°	308.4	312.9	320.8	310.6	291.6	286.0	283.8	274.7	269.8	266.8	273.1
30°	285.4	284.4	284.9	274.7	259.6	259.0	262.9	264.7	262.9	262.5	271.9
32.5°	264.1	261.9	261.2	252.3	238.3	234.9	238.3	241.6	245.5	251.3	262.5
35°	237.2	242.8	246.1	238.3	221.5	211.5	207.5	201.3	197.9	197.9	210.8
37.5°	216.0	228.8	233.7	226.6	208.0	194.0	187.2	186.2	186.7	189.0	201.3
40°	208.5	218.1	222.6	215.4	196.8	184.0	180.0	178.9	180.0	183.3	195.7
42.5°	204.2	210.8	210.3	201.3	186.2	177.1	175.0	173.8	175.0	178.4	191.8
45°	200.2	204.6	200.2	189.5	175.4	171.0	171.5	171.0	172.1	175.4	188.5
47.5°	196.8	198.4	192.9	182.3	167.7	166.5	168.8	170.5	171.5	174.5	187.8
50°	191.8	191.8	186.7	175.4	160.9	161.4	164.3	168.3	168.8	172.1	182.7
52.5°	185.6	185.1	181.6	171.0	155.3	157.1	157.1	161.4	162.7	166.5	177.8
55°	180.6	179.4	177.8	167.7	150.2	153.2	151.5	153.2	155.9	159.8	172.1
57.5°	176.1	173.8	173.8	164.8	146.3	147.5	143.5	145.7	149.2	152.5	165.4
60°	171.5	169.3	170.5	160.9	140.1	139.1	137.4	141.8	143.0	147.0	159.8
62.5°	166.5	164.8	165.4	156.5	135.7	132.9	132.9	136.8	137.4	143.0	155.3
65°	162.7	160.3	159.8	152.0	130.7	127.3	128.9	130.7	131.8	137.4	149.2
67.5°	158.7	154.1	154.1	148.0	125.0	121.7	125.0	124.4	126.1	131.2	140.8
70°	153.6	147.5	148.0	145.3	119.5	115.5	118.2	117.8	118.8	122.2	131.8
72.5°	145.7	140.8	141.8	140.8	113.8	108.2	109.4	109.4	109.4	112.2	122.2
75°	135.7	131.8	135.1	137.9	107.1	99.3	100.4	100.4	98.8	100.4	112.6
77.5°	123.3	121.1	132.3	128.4	99.3	89.7	89.7	88.7	85.2	87.5	100.9
80°	110.0	108.2	122.2	107.6	90.3	78.0	76.8	74.0	70.6	72.4	85.8
82.5°	95.8	94.2	102.6	82.5	78.0	64.5	61.7	56.7	53.3	54.9	67.4
85°	78.5	78.5	79.1	62.3	59.5	49.3	46.0	39.3	35.4	36.4	48.1
87.5°	56.1	57.8	53.3	42.6	35.4	27.5	25.2	21.3	18.0	20.8	25.2
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3
2.5°	2962.4	3024.1	3094.1	3183.9	3260.7	3386.9	3508.1	3580.9
5°	2215.0	2317.5	2445.4	2609.7	2762.7	2992.7	3220.9	3367.2
7.5°	1585.1	1695.1	1833.0	2038.3	2254.7	2548.0	2849.7	3024.7
10°	1311.5	1424.3	1540.4	1678.8	1856.1	2175.1	2531.8	2729.1
12.5°	1085.1	1205.5	1330.6	1476.5	1640.8	1925.5	2336.6	2563.8
15°	830.5	965.0	1112.6	1297.1	1502.8	1832.0	2288.3	2535.0
17.5°	569.2	719.5	900.6	1128.2	1379.9	1801.6	2374.7	2659.1
20°	392.0	501.3	694.7	961.6	1264.5	1797.7	2540.6	2896.8
22.5°	328.1	376.7	518.1	808.6	1177.6	1845.9	2798.1	3230.5
25°	303.4	332.6	413.8	675.6	1114.2	1957.0	3152.4	3662.2
27.5°	288.7	315.1	375.8	588.7	1064.3	2086.0	3497.3	4080.6
30°	294.4	321.4	365.0	544.5	996.4	2193.7	3803.5	4406.8
32.5°	265.2	276.9	312.9	505.2	947.6	2283.9	4071.5	4677.1
35°	226.0	246.8	279.3	486.7	948.8	2344.4	4363.6	5022.6
37.5°	215.4	236.1	259.6	480.0	961.6	2409.0	4698.9	5427.4
40°	208.5	227.7	247.8	476.0	974.0	2467.9	5027.5	5827.8
42.5°	204.2	221.5	246.8	462.5	980.2	2520.6	5297.8	6168.1
45°	203.6	221.5	251.3	449.2	989.8	2577.1	5524.3	6419.8
47.5°	204.2	228.8	242.8	433.0	989.8	2671.9	5790.1	6644.8
50°	201.8	241.1	233.7	409.8	966.8	2851.3	6154.6	6945.9
52.5°	200.7	239.5	216.4	374.6	927.0	3136.3	6621.8	7360.8
55°	197.9	231.0	204.2	321.9	880.3	3446.8	7121.9	7851.5
57.5°	195.1	204.6	197.4	275.9	808.6	3665.5	7466.3	8234.5
60°	218.6	178.9	191.8	253.4	712.6	3725.5	7452.8	8386.9
62.5°	202.4	167.7	184.5	248.4	645.4	3557.3	7108.5	8304.6
65°	158.7	160.3	177.1	262.9	627.5	3111.5	6498.3	7923.8
67.5°	145.3	153.2	169.9	281.4	629.2	2491.4	5586.6	7094.5
70°	136.8	145.3	161.4	291.1	633.7	1857.2	4417.0	5778.3
72.5°	127.3	134.6	152.0	292.7	604.5	1349.2	3404.2	4248.8
75°	116.2	122.8	138.5	255.1	500.7	935.9	2604.0	2906.8
77.5°	103.1	108.2	121.7	196.8	371.8	598.9	1954.7	2123.6
80°	88.0	90.9	102.0	144.1	254.6	374.6	1546.5	1704.1
82.5°	70.6	71.8	79.1	108.2	165.4	240.6	1035.7	1182.0
85°	49.9	49.9	54.3	78.5	112.6	152.5	562.3	623.6
87.5°	23.5	24.2	24.2	43.2	58.8	77.3	129.5	79.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)