

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: P324466

Luminaire Tested: **GAN-SA2A-740-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7068 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

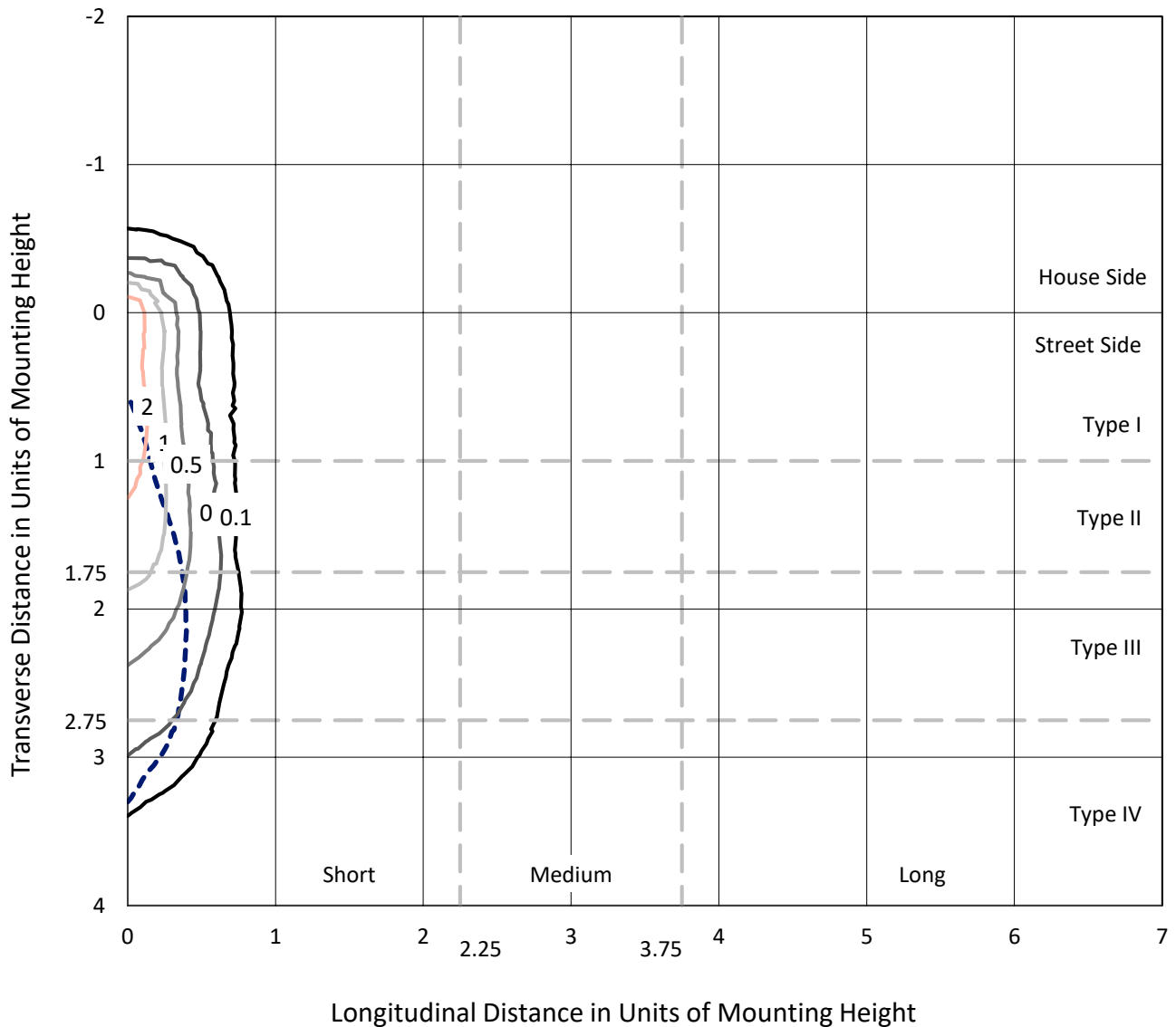




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Iso-Footcandle Lines of Horizontal Illumination

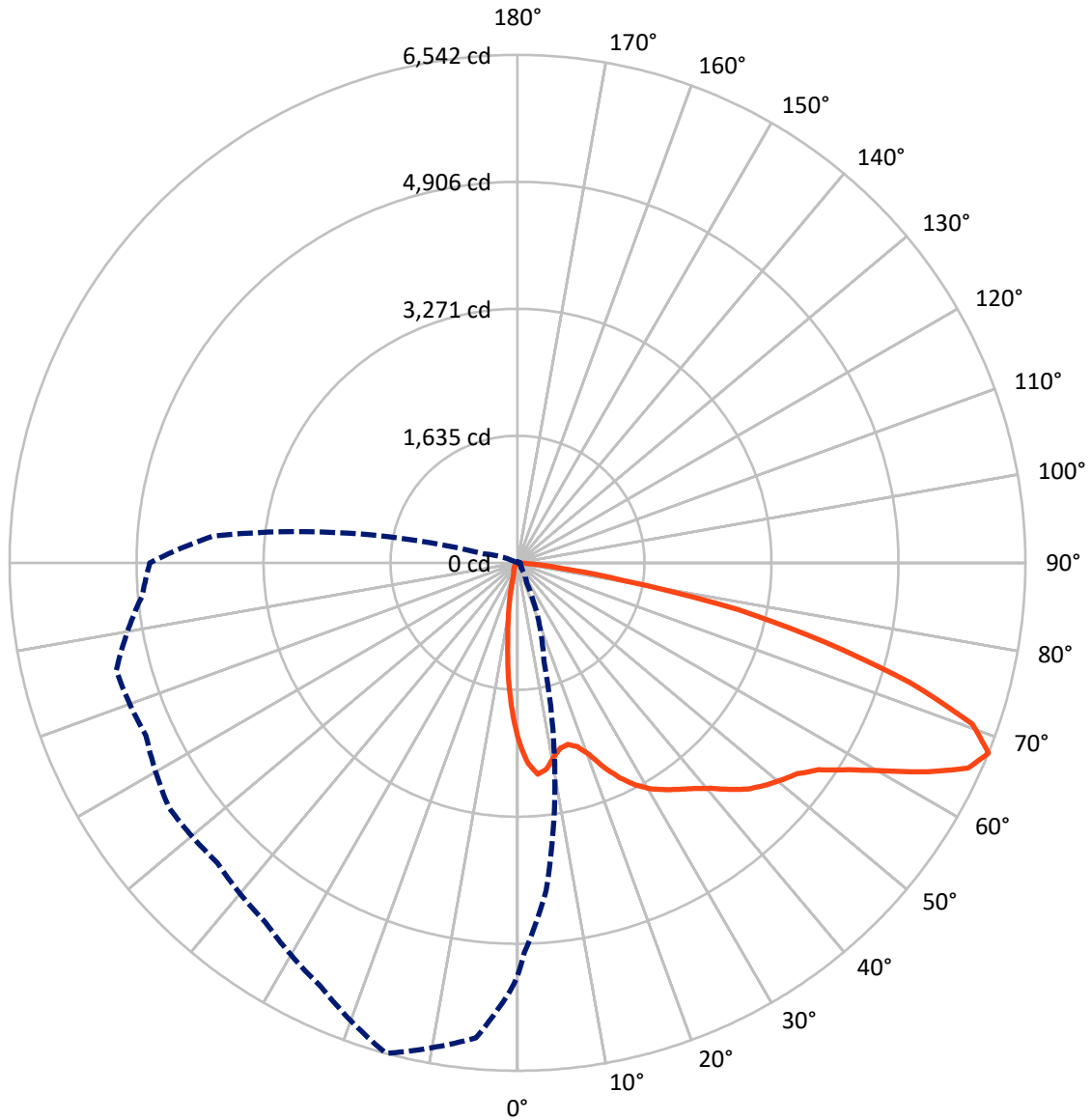
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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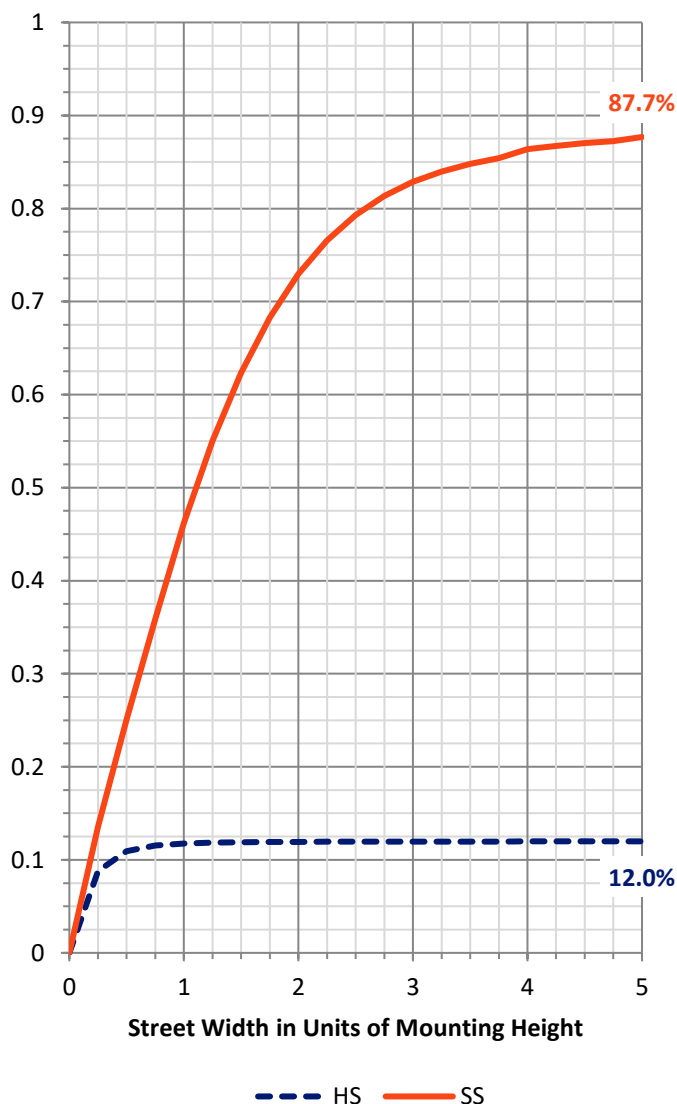
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	855.5	0.0	855.5
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	6212.5	0.0	6212.5
	% Fixture	87.9	0.0	87.9
Total	Lumens	7068.0	0.0	7068.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.7	2.5
10°-20°	351.7	5.0
20°-30°	499.5	7.1
30°-40°	737.7	10.4
40°-50°	1064.0	15.1
50°-60°	1493.6	21.1
60°-70°	1741.1	24.6
70°-80°	890.1	12.6
80°-90°	113.7	1.6
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°	7068.0	100.0
0°-180°	7068.0	100.0

Coefficient of Utilization

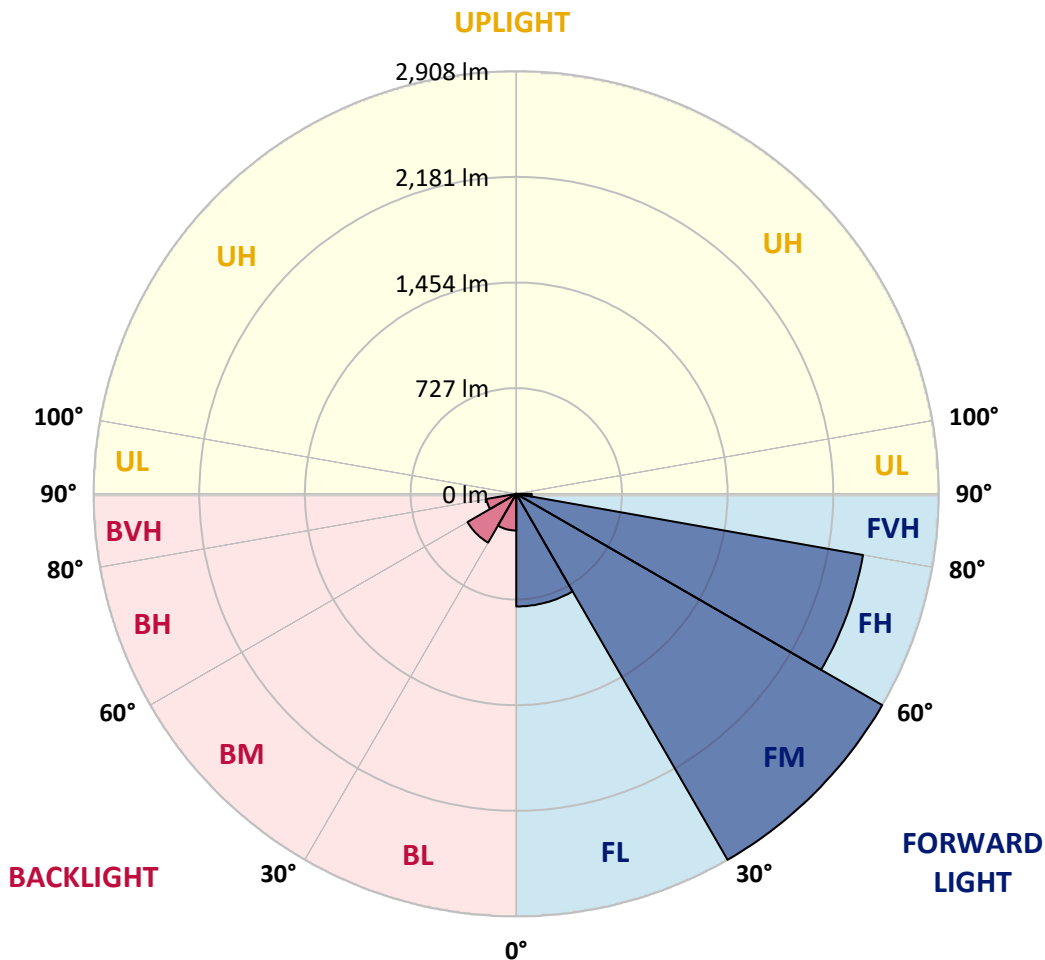


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	775.2	11.0			
FM (30°-60°)	2907.9	41.1			
FH (60°-80°)	2422.7	34.3			G2/5000
FVH (80°-90°)	106.8	1.5			G2/225
BL (0°-30°)	252.7	3.6	B1/500		
BM (30°-60°)	387.4	5.5	B1/1000		
BH (60°-80°)	208.5	2.9	B1/500		G1/500
BVH (80°-90°)	6.9	0.1			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4
2.5°	2521.0	2501.6	2480.2	2410.2	2345.2	2270.9	2210.3	2168.1	2115.2	2046.6	2029.2
5°	2503.0	2482.2	2414.9	2259.2	2122.9	1990.3	1862.4	1787.4	1694.3	1599.9	1576.4
7.5°	2321.1	2299.4	2202.3	1989.0	1805.5	1613.9	1447.9	1345.1	1239.9	1153.5	1107.7
10°	2132.0	2108.2	1999.0	1740.2	1514.2	1341.1	1219.2	1121.1	1021.6	929.2	855.5
12.5°	2001.7	1970.6	1852.0	1558.7	1361.8	1244.3	1130.4	1012.9	878.3	779.2	698.1
15°	1947.1	1911.6	1786.4	1488.7	1307.9	1169.9	1021.6	877.3	719.6	606.1	531.7
17.5°	1989.3	1943.1	1808.8	1484.0	1240.3	1052.4	864.9	695.5	524.4	409.5	356.6
20°	2132.6	2072.0	1901.6	1482.7	1158.2	912.8	675.0	483.5	345.6	277.9	250.1
22.5°	2358.3	2278.3	2034.8	1493.4	1073.5	766.1	487.5	328.5	259.5	224.3	207.9
25°	2630.9	2538.1	2226.7	1531.2	999.2	623.5	354.3	259.5	219.0	193.2	179.5
27.5°	2890.0	2814.7	2469.1	1585.8	941.6	508.3	287.6	220.0	187.2	170.1	159.1
30°	3148.9	3054.1	2717.9	1650.8	872.3	430.3	252.8	200.6	167.8	149.7	142.6
32.5°	3337.1	3258.4	2912.8	1697.7	798.3	379.4	226.0	183.5	156.7	138.3	127.9
35°	3558.4	3469.3	3079.9	1708.0	750.7	347.2	203.3	165.1	135.9	119.5	108.5
37.5°	3797.5	3686.6	3272.8	1685.3	713.6	331.5	186.2	156.7	126.9	110.2	98.4
40°	4062.0	3936.8	3457.9	1652.5	677.1	326.1	173.1	150.3	119.9	102.8	90.7
42.5°	4340.6	4192.9	3618.3	1618.0	654.0	307.7	171.8	144.0	114.5	96.1	84.0
45°	4574.6	4425.0	3783.1	1606.6	637.5	287.6	177.5	139.6	110.8	90.7	79.0
47.5°	4761.1	4619.5	3951.8	1632.0	628.2	269.2	161.7	145.3	108.8	86.1	74.7
50°	4983.8	4823.4	4189.6	1708.0	614.4	250.8	146.3	166.4	108.8	83.0	71.0
52.5°	5263.1	5104.4	4454.8	1825.9	587.0	225.4	131.6	166.8	109.8	79.0	66.3
55°	5614.3	5499.1	4833.5	1955.2	543.1	187.8	113.8	143.3	105.8	71.7	61.9
57.5°	5951.2	5857.1	5178.7	2043.6	484.5	146.7	99.1	115.5	96.8	63.0	55.2
59°	6043.3	5940.5	5305.3	2047.6	440.7	127.9	91.7	95.4	94.8	58.9	51.2
60°	6043.3	5934.1	5341.8	2026.1	408.8	117.5	87.1	85.1	98.8	56.3	48.9
62.5°	5933.8	5780.4	5223.2	1881.2	333.5	100.1	76.0	70.3	88.7	50.6	43.2
65°	5706.1	5482.7	4819.4	1619.0	297.3	91.7	65.6	57.6	61.6	44.5	37.8
67.5°	5326.4	5023.7	4237.1	1307.9	282.9	89.4	56.6	48.9	46.5	38.2	33.1
70°	4657.7	4321.8	3530.3	1028.3	270.6	88.4	47.5	41.2	37.5	32.1	28.1
72.5°	3390.0	3039.7	2506.3	804.0	263.2	90.4	38.2	34.5	30.8	25.1	21.8
75°	1939.1	1709.7	1408.7	531.1	224.3	86.4	29.5	28.8	22.1	18.1	15.1
77.5°	1001.9	971.4	844.1	203.9	107.5	37.8	19.4	16.7	13.1	11.0	9.0
80°	432.3	427.6	370.0	58.9	28.5	21.1	11.0	7.0	6.0	4.7	3.7
82.5°	149.3	149.3	131.6	19.8	12.7	10.4	1.3	0.0	0.0	0.0	0.0
85°	30.1	33.8	23.8	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4
2.5°	2008.1	1967.5	1964.9	1939.4	1907.6	1893.2	1884.8	1899.6	1917.7	1919.7	1946.8
5°	1558.7	1516.2	1533.9	1488.7	1497.8	1488.7	1474.0	1476.7	1484.7	1459.6	1490.7
7.5°	1094.6	1062.5	1082.9	1070.8	1086.9	1093.3	1084.2	1070.8	1031.3	1026.6	1053.8
10°	825.1	788.6	766.8	744.0	749.0	759.4	756.1	746.4	721.3	722.6	748.7
12.5°	663.0	622.1	578.9	523.0	509.3	517.0	509.3	503.6	479.5	481.5	504.6
15°	502.9	469.5	424.2	379.4	354.9	357.3	335.8	320.8	305.7	287.6	301.7
17.5°	339.5	319.1	305.7	292.3	263.2	256.5	229.4	200.2	188.9	180.5	186.5
20°	240.4	229.4	224.0	223.3	206.6	198.2	171.8	153.7	148.0	146.3	150.0
22.5°	200.9	192.9	185.2	180.8	172.4	162.7	142.6	133.6	129.6	127.6	130.3
25°	174.8	168.8	160.7	153.4	150.0	139.6	125.2	118.5	115.9	113.8	115.2
27.5°	155.4	150.0	140.6	135.9	133.3	124.2	111.8	106.5	104.1	103.5	103.1
30°	140.0	134.9	126.2	120.9	116.2	108.2	100.8	95.4	93.1	92.4	91.7
32.5°	124.6	120.5	114.9	109.5	104.5	97.1	90.7	86.4	82.7	82.0	81.7
35°	105.1	101.1	98.1	97.8	93.1	86.1	81.4	75.7	72.7	71.7	72.0
37.5°	93.4	88.1	81.4	83.7	82.4	77.3	71.0	65.3	62.3	61.6	61.6
40°	86.1	80.4	72.7	68.6	72.7	71.7	61.6	55.9	52.9	52.6	51.9
42.5°	79.0	73.3	64.6	57.9	59.9	63.0	53.2	47.9	44.9	44.2	43.2
45°	74.0	68.0	58.3	50.6	46.5	52.9	45.5	38.8	37.2	35.8	35.2
47.5°	69.3	63.6	52.6	43.9	37.2	38.2	36.5	31.8	29.8	28.5	28.1
50°	65.3	59.3	47.5	37.5	30.8	28.1	29.5	25.1	23.4	22.1	21.4
52.5°	60.6	54.9	42.2	32.5	25.8	22.1	22.4	19.8	18.1	17.1	16.7
55°	56.9	51.2	37.8	28.5	22.8	18.1	16.1	15.4	14.4	13.7	13.4
57.5°	51.9	46.5	33.5	24.1	19.4	14.7	12.4	12.4	12.1	11.4	11.0
59°	48.9	44.2	30.8	21.8	17.7	12.7	11.0	11.4	11.0	10.4	10.0
60°	46.5	42.2	28.8	20.1	16.7	11.7	10.0	10.7	10.4	9.7	9.4
62.5°	41.2	38.2	24.8	16.7	14.7	9.4	8.4	9.0	9.0	8.7	8.4
65°	36.2	32.8	21.1	14.1	13.7	8.0	6.7	8.0	8.4	7.7	7.0
67.5°	31.5	28.1	18.4	11.4	12.7	6.4	5.0	6.7	9.0	7.0	6.4
70°	26.8	23.4	14.4	9.0	13.4	4.4	4.0	6.0	10.7	7.7	6.0
72.5°	20.8	18.1	10.0	6.7	14.4	3.0	3.0	5.0	12.1	8.4	5.7
75°	14.4	11.7	6.0	4.0	11.7	2.0	2.0	4.7	11.4	7.7	5.4
77.5°	8.4	6.4	2.0	0.3	6.0	0.0	0.3	3.3	8.0	4.7	2.3
80°	3.0	1.3	0.0	0.0	3.7	0.0	0.0	0.0	0.7	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4
2.5°	1953.8	1999.0	2039.5	2100.8	2173.5	2257.2	2329.2	2406.5	2479.2	2509.3	2530.1
5°	1497.1	1553.0	1618.3	1708.4	1828.2	1975.9	2114.2	2270.6	2438.7	2522.7	2601.7
7.5°	1058.4	1115.4	1196.4	1292.2	1437.2	1612.9	1793.8	2009.7	2237.4	2370.4	2501.3
10°	761.1	831.1	906.8	1037.7	1185.0	1351.8	1537.9	1779.0	2032.8	2180.2	2337.9
12.5°	518.0	597.7	712.2	858.9	1032.0	1195.4	1357.1	1587.2	1881.8	2027.8	2196.9
15°	310.7	354.9	476.1	645.9	858.2	1061.8	1238.9	1469.6	1783.7	1962.5	2138.3
17.5°	191.5	212.0	277.9	417.2	640.2	897.7	1140.5	1429.8	1797.8	2015.4	2203.6
20°	152.7	160.7	181.8	246.4	424.2	716.9	1029.6	1421.7	1912.6	2180.5	2382.4
22.5°	132.6	140.3	154.4	179.1	266.9	536.8	924.5	1429.1	2077.4	2428.0	2663.7
25°	116.9	123.6	137.0	157.4	195.5	378.0	812.0	1461.9	2292.0	2735.0	2985.5
27.5°	104.5	110.2	122.6	141.3	167.8	263.9	684.4	1501.8	2546.5	3049.1	3296.2
30°	93.1	98.1	109.2	126.6	145.7	202.9	544.5	1528.9	2801.3	3296.2	3518.2
32.5°	83.4	87.1	97.1	111.8	126.6	161.7	413.9	1524.5	2990.5	3501.8	3677.9
35°	73.3	77.0	85.7	98.4	110.2	133.6	325.5	1443.2	3155.2	3715.1	3860.8
37.5°	62.3	67.0	75.3	86.7	94.8	117.5	263.2	1345.1	3322.3	3958.9	4064.7
40°	52.9	57.6	65.0	77.3	82.4	111.5	202.2	1225.5	3510.2	4231.4	4288.3
42.5°	43.9	48.2	55.9	66.6	77.7	96.1	149.7	1088.9	3690.7	4464.5	4492.3
45°	35.5	39.8	47.9	58.6	83.0	79.7	115.9	942.6	3836.3	4658.4	4667.4
47.5°	28.1	32.1	40.5	55.2	77.3	63.6	82.7	827.7	3958.5	4809.7	4785.9
50°	21.8	25.1	33.8	63.3	67.6	52.6	62.6	789.6	4068.0	4903.5	4841.8
52.5°	17.1	20.1	27.8	59.3	52.6	43.5	52.6	825.4	4218.0	4981.1	4873.3
55°	13.7	16.7	21.8	33.8	35.8	36.8	44.9	858.9	4476.9	5163.3	5059.2
57.5°	11.4	14.4	17.7	23.8	27.1	31.1	39.8	862.6	4781.9	5466.0	5367.6
59°	10.4	13.1	16.1	21.1	23.8	28.5	37.5	842.5	4889.4	5576.2	5526.9
60°	9.7	12.4	15.1	19.4	22.1	26.8	36.2	823.4	4894.1	5572.1	5594.9
62.5°	8.4	11.0	13.4	16.4	18.8	22.8	32.5	752.7	4695.9	5389.7	5554.1
65°	7.4	9.7	12.1	14.1	16.1	20.4	29.5	623.8	4357.3	5095.3	5274.5
67.5°	6.7	8.4	11.0	12.4	14.4	18.1	26.1	444.7	3934.4	4735.4	4851.6
70°	6.0	8.0	10.0	11.4	13.1	15.7	22.4	255.5	3322.3	4208.3	4291.0
72.5°	5.7	7.7	9.0	10.7	11.7	14.1	20.4	120.2	2432.6	3371.2	3587.2
75°	5.0	7.0	8.4	10.0	11.0	12.7	17.4	57.6	1618.0	2439.7	2685.1
77.5°	3.0	5.7	7.7	9.0	9.7	11.0	14.4	33.1	1032.7	1688.6	1989.0
80°	0.0	2.0	5.7	7.7	8.4	9.4	11.0	26.1	552.5	964.7	1157.9
82.5°	0.0	0.0	4.0	6.0	5.7	6.4	8.4	16.4	249.1	630.5	710.5
85°	0.0	0.0	1.3	4.7	4.0	3.0	5.7	5.7	54.6	319.1	398.1
87.5°	0.0	0.0	0.0	0.3	2.0	1.3	2.3	0.7	0.3	23.8	96.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4	2302.4
2.5°	2602.7	2627.5	2669.4	2689.1	2679.4	2638.2	2589.0	2538.8	2509.3	2521.0
5°	2762.8	2890.4	2964.0	2988.5	2947.6	2855.2	2734.3	2575.0	2518.4	2503.0
7.5°	2762.8	3002.9	3154.9	3181.7	3090.6	2909.5	2682.8	2434.0	2351.3	2321.1
10°	2665.7	2992.5	3204.5	3247.0	3119.7	2848.9	2545.1	2261.2	2163.1	2132.0
12.5°	2556.2	2908.1	3131.5	3190.1	3085.6	2788.6	2449.7	2144.3	2028.8	2001.7
15°	2488.9	2804.3	2989.2	3031.7	2987.5	2753.4	2426.9	2109.2	1973.2	1947.1
17.5°	2513.0	2724.0	2790.6	2815.4	2845.2	2741.0	2488.9	2186.2	2014.1	1989.3
20°	2603.7	2639.2	2604.8	2635.9	2716.3	2753.1	2636.6	2372.4	2165.8	2132.6
22.5°	2757.8	2595.4	2498.6	2511.0	2608.8	2792.9	2862.2	2638.2	2399.8	2358.3
25°	2937.3	2630.9	2439.7	2428.6	2529.1	2845.5	3068.5	2927.5	2676.7	2630.9
27.5°	3162.9	2710.6	2427.6	2416.6	2501.3	2894.7	3240.0	3213.5	2968.4	2890.0
30°	3337.1	2788.9	2463.4	2438.0	2529.1	2928.9	3377.6	3456.3	3200.8	3148.9
32.5°	3462.0	2881.3	2521.7	2484.9	2607.4	2987.8	3483.7	3678.6	3415.7	3337.1
35°	3557.0	2981.8	2615.8	2555.2	2715.3	3077.2	3583.2	3915.3	3644.4	3558.4
37.5°	3646.1	3122.8	2762.8	2690.5	2884.3	3221.2	3688.3	4183.9	3900.3	3797.5
40°	3770.3	3282.5	2989.5	2925.2	3168.6	3417.4	3819.6	4463.8	4191.2	4062.0
42.5°	3894.6	3453.9	3221.5	3238.9	3523.2	3655.8	3989.0	4759.8	4478.5	4340.6
45°	4008.1	3630.7	3552.0	3632.4	3852.4	3917.3	4157.4	4930.9	4707.9	4574.6
47.5°	4109.2	3851.7	3880.5	4094.5	4226.7	4154.1	4283.3	5078.6	4878.7	4761.1
50°	4226.7	4137.7	4313.5	4616.2	4657.7	4368.4	4397.8	5253.4	5078.2	4983.8
52.5°	4355.3	4439.0	4793.0	5059.8	5046.4	4601.1	4513.0	5449.3	5351.8	5263.1
55°	4501.3	4682.5	5215.2	5475.0	5463.7	4860.9	4703.9	5691.3	5694.7	5614.3
57.5°	4718.0	4892.1	5501.8	5810.9	5830.0	5161.0	5027.3	5962.6	6004.8	5951.2
59°	4873.3	5028.0	5615.3	5951.2	6028.9	5393.0	5263.7	6119.9	6092.2	6043.3
60°	4988.5	5114.4	5671.6	6024.5	6144.4	5550.4	5438.2	6212.4	6102.5	6043.3
62.5°	5273.5	5302.6	5773.0	6107.6	6277.3	5900.0	5929.1	6369.7	6030.5	5933.8
65°	5406.4	5421.5	5771.7	5958.9	6148.7	6172.2	6374.4	6374.4	5854.7	5706.1
67.5°	5350.8	5278.1	5485.4	5466.0	5655.5	6010.5	6541.8	6140.7	5518.6	5326.4
70°	4898.8	4619.2	4527.1	4535.5	4680.5	5227.9	6210.4	5452.9	4882.4	4657.7
72.5°	4076.1	3405.4	3178.0	3437.5	3475.3	4017.8	5292.5	4106.5	3600.6	3390.0
75°	3278.5	2400.5	2030.8	2304.7	2369.0	2940.3	4094.1	2557.5	2103.2	1939.1
77.5°	2355.3	1723.1	1457.2	1438.2	1521.2	1864.7	2905.1	1287.1	1073.5	1001.9
80°	1338.0	1134.1	1221.2	1152.2	1194.1	1165.9	1380.2	564.5	462.4	432.3
82.5°	807.6	670.4	725.9	604.4	764.8	666.0	531.7	180.8	157.0	149.3
85°	525.4	366.3	190.9	127.9	263.5	425.6	118.9	49.2	37.8	30.1
87.5°	181.2	93.4	9.4	4.0	28.1	79.4	4.4	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

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