

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: P650255

Luminaire Tested: **GLAN-SA2B-835-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-835-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA 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: 6434.7 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 82
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

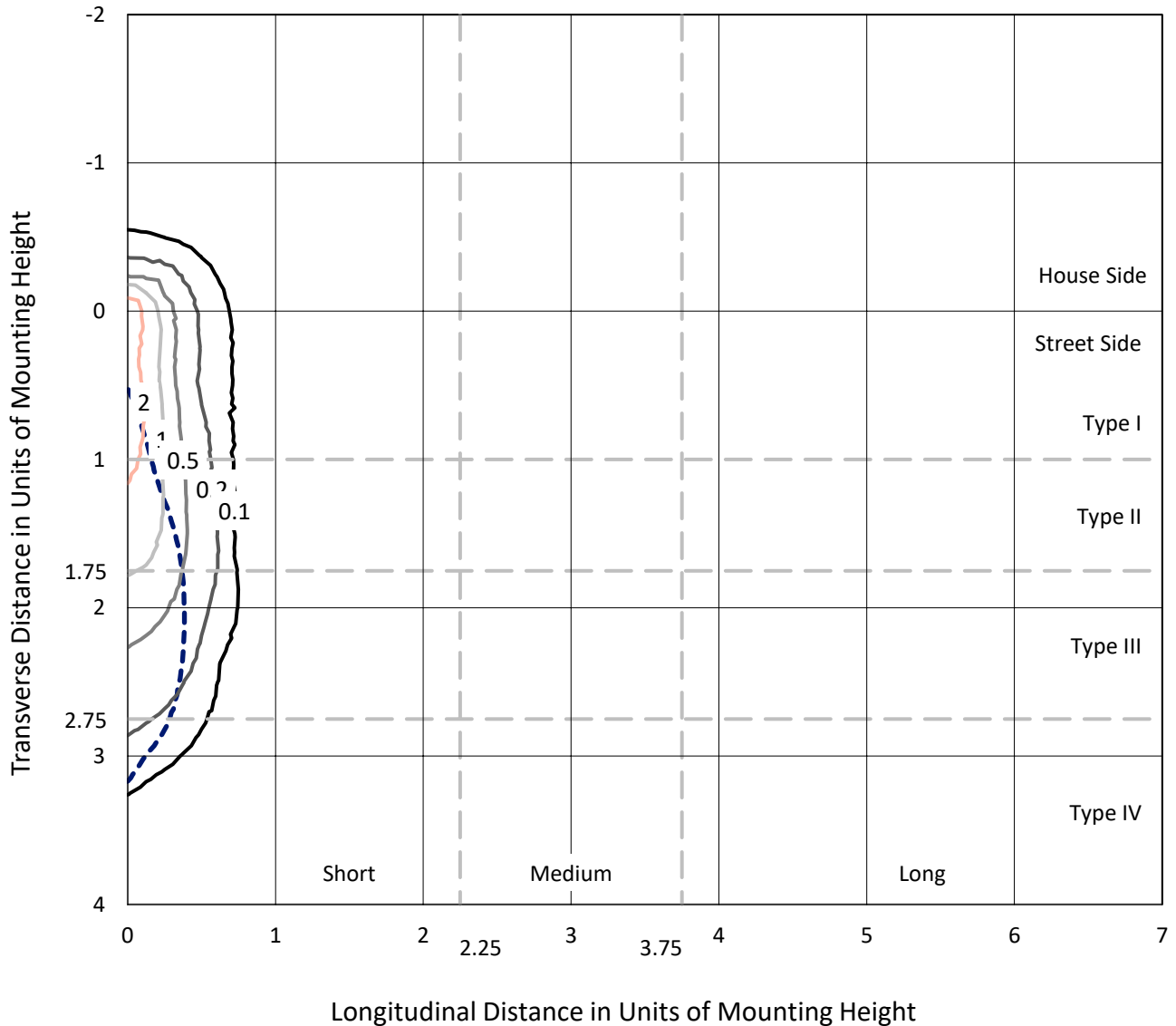




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Iso-Footcandle Lines of Horizontal Illumination

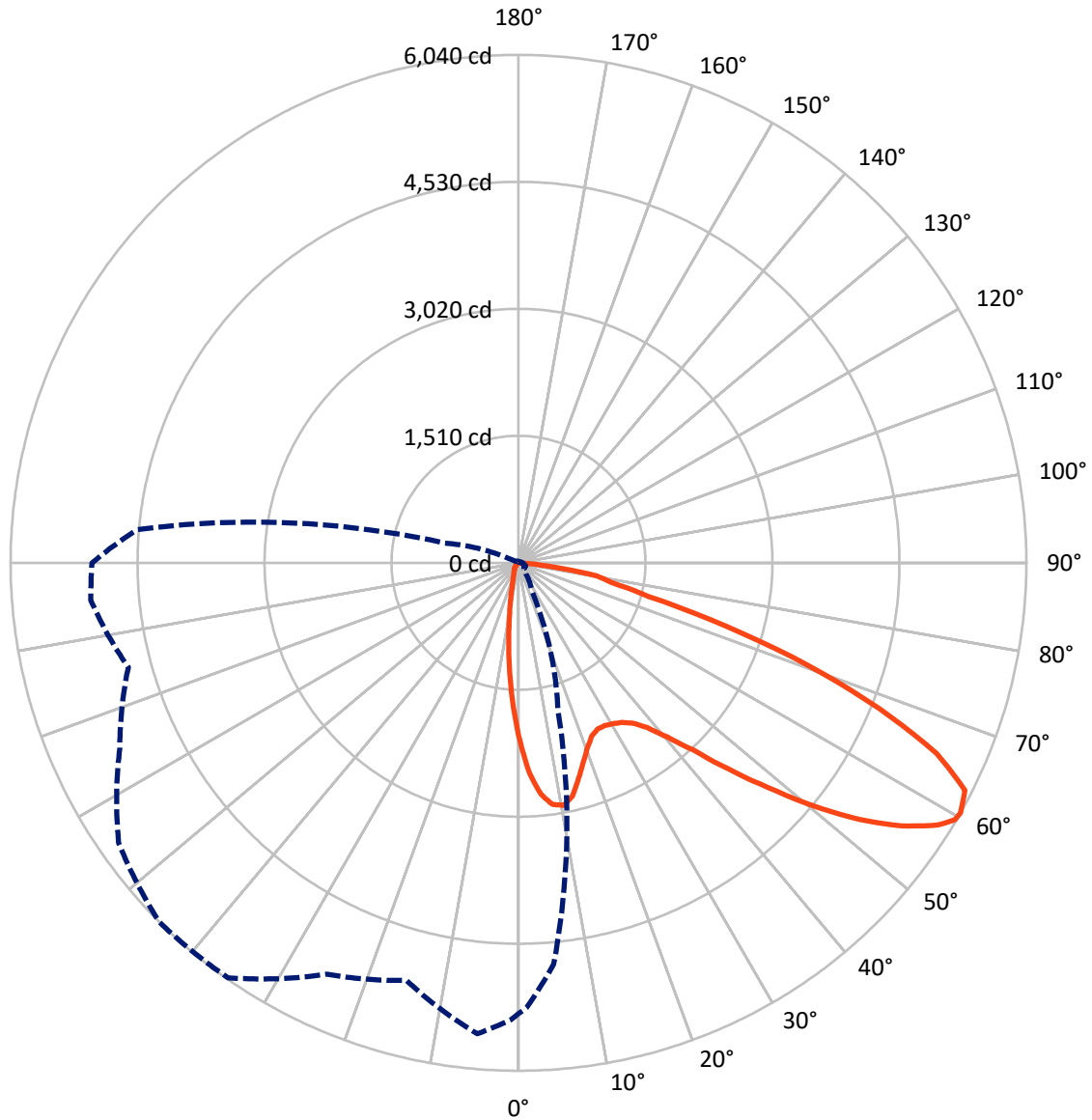
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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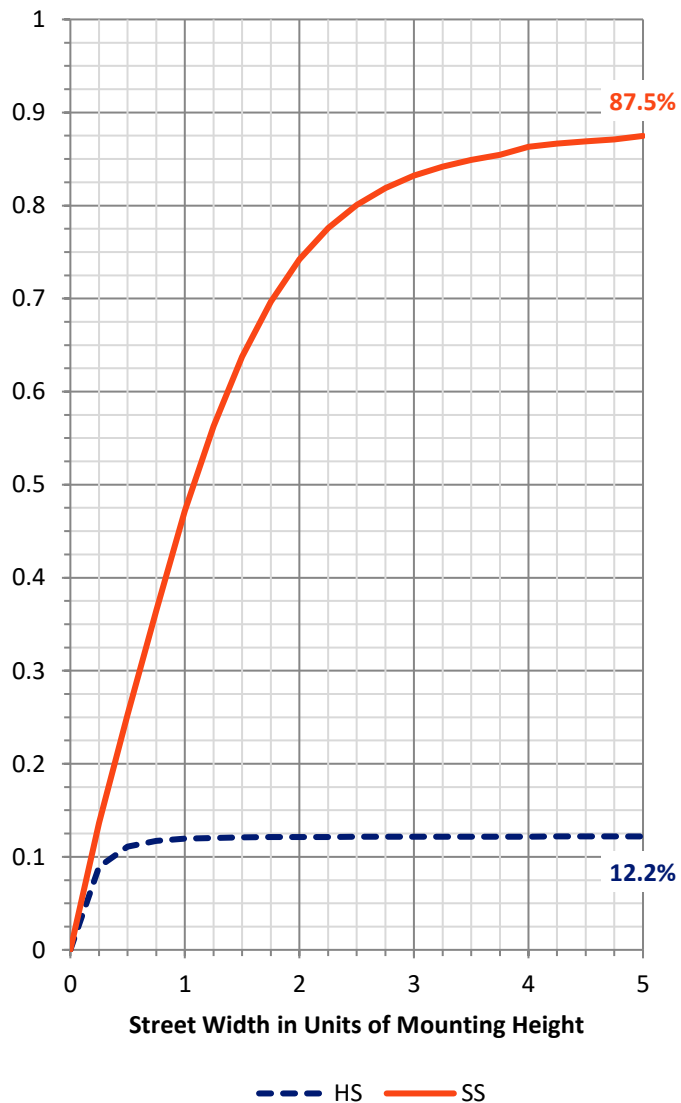
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.6	0.0	793.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	5641.0	0.0	5641.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	6434.7	0.0	6434.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.2	2.5
10°-20°	314.2	4.9
20°-30°	460.6	7.2
30°-40°	685.0	10.6
40°-50°	996.9	15.5
50°-60°	1437.7	22.3
60°-70°	1581.3	24.6
70°-80°	708.3	11.0
80°-90°	92.5	1.4
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°	6434.7	100.0
0°-180°	6434.7	100.0

Coefficient of Utilization

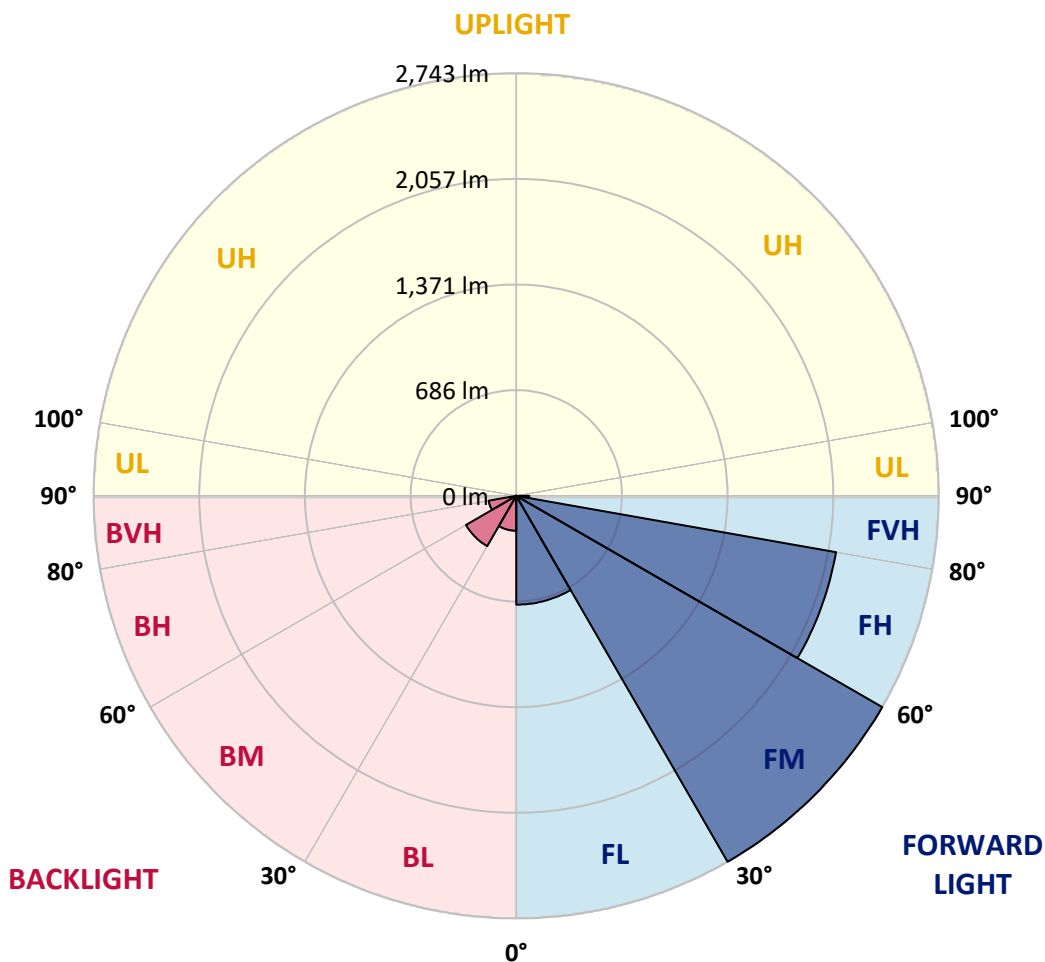


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	706.2	11.0			
FM (30°-60°)	2742.7	42.6			
FH (60°-80°)	2107.6	32.8			G2/5000
FVH (80°-90°)	84.6	1.3			G1/100
BL (0°-30°)	226.8	3.5	B1/500		
BM (30°-60°)	377.0	5.9	B1/1000		
BH (60°-80°)	182.0	2.8	B1/500		G1/500
BVH (80°-90°)	7.9	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8
2.5°	2338.0	2327.8	2304.3	2232.9	2170.8	2089.6	2007.4	1942.9	1903.2	1830.3	1797.1
5°	2265.2	2270.1	2202.1	2055.4	1892.0	1780.5	1658.6	1561.8	1455.2	1387.7	1316.8
7.5°	2074.9	2065.2	1991.2	1786.8	1588.2	1426.8	1272.8	1147.5	1068.8	1005.7	952.8
10°	1912.0	1904.7	1810.3	1547.1	1333.8	1213.0	1108.9	999.3	914.7	822.2	748.4
12.5°	1809.8	1793.1	1684.5	1409.7	1236.0	1123.5	1010.1	896.1	779.2	685.8	596.3
15°	1775.5	1751.6	1630.8	1362.3	1173.4	1030.6	888.2	757.2	622.6	519.4	451.9
17.5°	1837.7	1798.1	1669.4	1354.0	1098.6	909.3	734.2	563.4	423.6	344.8	303.3
20°	1980.1	1934.6	1767.2	1345.6	1015.5	773.3	558.1	398.2	293.0	249.9	227.0
22.5°	2191.3	2128.7	1912.0	1358.8	938.7	640.7	403.0	281.3	232.9	205.9	189.8
25°	2445.2	2392.8	2095.5	1405.8	878.0	536.6	311.6	229.9	196.1	179.5	167.2
27.5°	2723.5	2639.9	2332.7	1462.0	822.7	455.9	273.4	205.5	174.6	159.5	153.1
30°	2921.6	2856.5	2531.3	1501.2	753.8	395.3	249.9	202.5	175.1	157.0	145.2
32.5°	3117.3	3034.1	2697.6	1519.3	703.4	353.1	216.2	176.6	153.6	144.3	132.6
35°	3326.6	3239.5	2863.4	1509.5	665.7	325.3	196.1	157.5	131.5	116.0	104.2
37.5°	3538.4	3446.5	3028.3	1474.2	642.2	314.1	180.5	149.7	124.3	108.1	95.4
40°	3789.8	3667.0	3182.8	1445.4	617.8	308.2	170.2	144.8	118.9	101.7	89.0
42.5°	3995.3	3878.4	3329.1	1430.2	601.1	294.5	170.2	140.9	115.4	96.4	83.2
45°	4189.9	4068.6	3487.0	1442.4	594.3	277.3	172.2	140.4	113.0	92.5	79.2
47.5°	4352.8	4247.6	3649.4	1488.4	585.5	258.8	161.9	147.2	111.5	89.0	75.3
50°	4545.1	4443.3	3864.2	1581.3	569.9	240.1	149.2	158.5	111.0	86.1	71.9
52.5°	4816.0	4706.0	4160.5	1687.1	544.9	211.8	137.4	157.0	109.1	81.2	68.5
55°	5147.1	5058.2	4504.0	1813.7	510.7	180.0	118.9	139.4	103.2	72.9	62.6
57.5°	5359.5	5283.6	4761.3	1868.5	458.3	147.2	104.7	116.9	94.4	65.1	55.7
59°	5384.4	5315.9	4815.1	1850.4	424.1	134.5	97.8	100.3	91.9	60.7	51.8
60°	5363.4	5292.5	4793.5	1815.2	392.3	125.7	91.9	89.0	92.5	58.2	48.9
62.5°	5228.3	5107.0	4584.7	1636.6	342.9	115.4	81.7	72.9	81.7	52.3	43.5
65°	4967.7	4785.7	4171.4	1385.2	323.3	109.5	69.5	61.2	62.1	46.0	37.7
67.5°	4512.3	4282.9	3621.1	1125.5	315.0	110.1	58.7	54.8	47.9	39.2	33.3
70°	3792.2	3563.4	2905.5	925.9	311.1	110.1	49.9	47.0	40.1	32.8	28.9
72.5°	2687.3	2440.8	1959.9	727.3	280.2	109.5	42.5	42.5	32.8	27.4	23.5
75°	1518.2	1520.2	1232.1	514.6	232.9	90.5	34.2	33.7	24.0	21.1	17.6
77.5°	884.9	869.2	830.5	221.1	108.1	41.1	24.0	20.5	16.6	15.2	12.7
80°	454.9	374.2	364.4	80.2	38.7	25.9	16.6	11.7	10.7	9.8	8.8
82.5°	134.5	135.0	120.3	32.3	21.5	17.1	8.3	6.3	5.9	5.4	5.4
85°	9.3	5.9	6.8	9.8	13.2	6.8	0.5	1.5	1.5	2.0	2.4
87.5°	0.9	0.5	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°	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8
2.5°	1760.4	1782.0	1741.8	1742.8	1709.5	1720.3	1681.2	1693.9	1670.9	1688.5	1740.4
5°	1324.6	1329.5	1297.2	1286.9	1291.8	1311.8	1319.7	1284.0	1299.2	1269.3	1267.4
7.5°	933.3	939.1	920.6	918.1	953.3	945.0	960.2	923.5	888.8	903.9	876.0
10°	724.9	700.5	662.3	651.5	644.6	649.1	649.1	615.8	610.9	597.7	617.8
12.5°	572.3	542.5	506.3	457.4	445.1	444.1	426.0	396.7	387.4	376.2	392.8
15°	415.8	403.6	373.2	345.9	318.0	312.6	283.2	259.3	227.5	223.1	221.6
17.5°	292.5	274.4	273.9	258.2	242.1	231.4	204.0	176.6	164.4	162.9	162.9
20°	219.2	212.7	202.5	200.5	195.7	183.5	158.9	144.3	138.4	138.9	140.9
22.5°	184.4	180.0	170.7	166.3	164.4	153.6	135.5	125.7	122.8	122.8	123.2
25°	164.8	160.9	150.6	143.8	141.3	133.5	119.3	112.0	109.5	109.5	109.5
27.5°	150.2	145.2	134.5	128.6	124.3	115.4	106.6	99.3	96.9	96.9	97.3
30°	139.9	134.5	124.7	116.9	110.1	102.3	94.9	88.6	85.6	85.1	85.6
32.5°	126.2	121.3	111.5	106.6	98.8	89.5	83.6	77.8	74.9	75.3	74.9
35°	98.3	96.9	90.0	91.5	87.1	79.2	73.8	67.5	64.0	63.6	64.6
37.5°	89.5	83.6	75.8	76.3	74.9	71.9	63.1	56.2	53.8	53.8	54.3
40°	82.7	76.8	68.0	63.6	64.0	64.0	54.8	47.4	45.0	44.5	45.5
42.5°	76.8	70.9	61.2	53.8	51.8	54.3	46.4	39.2	36.7	35.7	36.7
45°	72.9	66.6	55.3	47.0	41.1	44.0	38.1	32.3	29.4	29.4	28.9
47.5°	69.0	63.1	50.9	40.6	34.2	32.8	31.3	25.9	23.0	22.5	23.0
50°	65.5	59.7	46.0	35.2	28.9	25.4	25.4	20.5	18.6	17.6	18.1
52.5°	62.1	55.7	41.6	31.3	25.0	20.5	18.1	16.6	15.2	14.6	15.2
55°	57.2	50.9	37.2	26.9	21.5	17.1	14.2	13.7	12.7	11.7	12.7
57.5°	51.4	45.5	32.8	23.0	17.1	13.2	11.7	11.3	10.3	9.8	9.8
59°	47.9	42.5	30.3	20.0	15.2	11.7	10.7	10.3	9.3	8.3	8.8
60°	46.0	41.6	28.9	18.6	13.7	10.7	9.8	9.3	8.3	7.8	8.3
62.5°	40.6	37.2	25.4	15.2	10.7	7.8	6.8	7.4	6.8	6.3	6.8
65°	35.7	32.8	21.5	11.7	8.3	5.4	4.9	6.3	5.9	5.4	5.9
67.5°	31.8	28.3	18.1	8.8	5.9	2.9	3.4	5.4	5.4	4.9	5.4
70°	27.4	24.4	14.6	6.3	2.9	1.5	2.4	3.9	4.9	4.4	4.9
72.5°	22.5	19.1	11.3	4.4	1.5	0.0	1.5	3.4	4.9	4.4	4.9
75°	17.6	14.2	8.3	2.4	0.0	0.0	0.5	2.9	4.9	4.4	4.9
77.5°	12.7	10.3	4.9	0.5	0.0	0.0	0.5	2.9	4.9	4.4	4.9
80°	8.3	7.4	2.0	0.0	0.0	0.0	0.5	2.9	4.9	4.9	5.4
82.5°	5.4	3.9	0.0	0.0	0.0	0.0	0.9	3.9	5.4	5.9	5.9
85°	2.4	0.0	0.0	0.0	0.0	0.0	2.0	4.9	6.3	6.3	6.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	3.4	5.9	7.4	7.4	7.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8
2.5°	1749.1	1780.0	1823.5	1890.5	1944.8	2030.4	2095.9	2185.4	2275.9	2303.4	2345.9
5°	1287.4	1327.0	1425.8	1515.8	1572.6	1753.5	1868.0	2048.5	2210.4	2288.2	2372.8
7.5°	894.1	941.1	1016.4	1142.2	1261.5	1408.7	1593.6	1800.0	2037.2	2148.3	2267.6
10°	627.6	686.2	792.4	895.6	1045.8	1185.7	1368.1	1596.1	1857.7	1988.8	2138.5
12.5°	396.2	448.5	588.9	704.9	892.2	1054.5	1222.8	1429.3	1732.5	1867.1	2024.1
15°	226.4	270.5	336.1	484.8	692.6	907.3	1117.2	1356.9	1668.4	1834.3	2004.0
17.5°	168.7	180.5	209.8	293.9	483.3	734.2	1019.9	1334.9	1712.0	1906.7	2100.3
20°	141.9	149.7	163.3	196.6	308.2	565.4	925.0	1338.8	1852.8	2097.4	2281.3
22.5°	127.2	132.1	143.3	164.8	210.3	411.9	813.9	1361.7	2023.6	2331.7	2544.0
25°	111.5	117.9	127.6	146.3	175.1	285.6	704.4	1413.1	2262.7	2629.1	2828.7
27.5°	99.3	105.2	114.9	132.1	153.6	218.1	576.7	1457.2	2515.2	2928.4	3091.8
30°	87.1	92.9	102.7	116.4	136.0	176.6	439.3	1483.1	2760.2	3153.0	3278.7
32.5°	76.8	81.7	91.0	103.2	119.3	149.7	346.3	1456.1	2947.5	3357.0	3441.1
35°	66.6	72.4	80.2	91.5	105.6	127.6	288.1	1363.2	3108.4	3566.8	3597.1
37.5°	55.7	62.6	70.9	81.2	92.5	117.4	231.4	1260.5	3280.6	3828.5	3778.6
40°	47.0	53.3	61.2	72.4	82.7	107.6	178.1	1150.9	3466.5	4074.0	3976.7
42.5°	38.1	45.0	54.3	64.6	81.7	93.9	138.0	1037.5	3633.3	4287.8	4155.7
45°	30.3	36.2	46.0	59.2	81.2	80.7	106.6	925.4	3759.0	4440.4	4289.2
47.5°	24.0	28.9	38.7	57.7	74.9	68.5	85.6	856.0	3891.0	4577.8	4391.5
50°	19.1	24.0	33.3	60.1	65.5	58.7	71.9	867.3	4018.7	4647.7	4433.5
52.5°	16.1	21.1	28.9	47.4	50.3	51.4	63.1	919.1	4183.6	4722.6	4517.1
55°	14.2	18.6	24.4	33.3	39.2	46.0	57.7	956.7	4404.1	4883.0	4701.6
57.5°	11.3	16.1	22.0	28.3	32.3	40.1	53.3	959.6	4603.7	5089.0	4946.6
59°	10.3	14.6	20.5	26.9	28.9	36.2	50.3	934.7	4611.1	5119.8	5059.1
60°	9.3	14.2	19.6	25.0	27.4	34.2	47.9	905.9	4544.5	5070.9	5105.6
62.5°	7.8	12.2	17.1	20.0	23.5	28.3	41.6	801.2	4222.2	4849.3	5019.5
65°	6.8	10.7	14.6	16.6	19.6	24.4	36.7	641.3	3866.1	4548.9	4773.0
67.5°	6.3	9.8	12.7	14.2	17.1	22.5	32.8	453.0	3404.9	4167.9	4402.7
70°	5.9	9.3	11.3	13.2	15.2	19.1	27.9	264.1	2622.7	3499.8	3747.8
72.5°	5.9	8.8	9.8	11.3	13.2	17.1	25.9	142.8	1793.1	2669.7	2990.1
75°	5.9	8.3	8.8	9.8	11.7	15.7	23.0	74.9	1159.2	1854.8	2289.2
77.5°	5.9	7.8	8.8	9.3	11.3	13.7	20.0	47.0	772.4	1299.2	1547.1
80°	6.3	7.8	8.3	9.3	10.7	12.7	16.6	31.3	453.9	781.7	941.6
82.5°	6.8	7.8	8.8	9.8	11.3	12.2	14.6	19.6	209.4	517.0	585.0
85°	7.4	8.3	9.3	10.3	11.7	12.2	13.7	14.2	34.2	233.3	315.5
87.5°	7.8	8.8	9.8	10.7	12.7	12.7	12.7	12.7	11.7	25.0	63.6
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°	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8	2126.8
2.5°	2399.7	2454.9	2493.6	2503.4	2475.5	2462.8	2427.6	2372.8	2339.5	2338.0
5°	2528.9	2658.4	2748.5	2763.6	2709.8	2618.8	2510.8	2371.3	2289.6	2265.2
7.5°	2506.9	2733.8	2878.5	2899.6	2809.1	2635.4	2426.1	2201.6	2112.6	2074.9
10°	2416.3	2693.2	2900.1	2933.4	2812.5	2567.9	2301.9	2051.5	1940.9	1912.0
12.5°	2339.1	2618.8	2802.7	2848.7	2757.3	2513.2	2227.6	1955.1	1836.7	1809.8
15°	2305.3	2530.8	2643.3	2666.7	2651.6	2478.9	2219.7	1940.4	1804.9	1775.5
17.5°	2339.1	2456.0	2470.1	2494.1	2527.8	2475.5	2295.1	2020.1	1873.9	1837.7
20°	2427.6	2390.9	2332.2	2342.5	2419.8	2489.7	2429.0	2196.7	2018.7	1980.1
22.5°	2578.3	2374.8	2241.7	2232.9	2330.8	2537.2	2625.7	2435.9	2229.5	2191.3
25°	2763.1	2415.3	2208.5	2189.3	2296.0	2606.6	2839.4	2728.9	2503.4	2445.2
27.5°	2964.7	2499.5	2208.5	2189.9	2293.1	2668.2	3022.4	2988.2	2787.1	2723.5
30°	3075.2	2568.9	2240.2	2219.2	2329.3	2703.9	3120.2	3218.5	3000.4	2921.6
32.5°	3174.0	2665.3	2302.3	2262.7	2405.1	2756.8	3207.7	3414.2	3170.1	3117.3
35°	3265.0	2768.5	2388.0	2342.0	2504.9	2829.1	3304.6	3619.6	3406.4	3326.6
37.5°	3365.3	2888.3	2521.5	2482.3	2671.7	2970.0	3419.5	3889.6	3638.7	3538.4
40°	3474.3	3027.2	2741.1	2724.4	2936.8	3129.5	3564.8	4177.7	3903.8	3789.8
42.5°	3585.4	3187.2	3010.2	3037.5	3237.1	3353.0	3714.0	4399.3	4120.9	3995.3
45°	3686.1	3391.6	3359.9	3495.4	3587.3	3571.2	3824.6	4555.3	4310.3	4189.9
47.5°	3813.3	3689.6	3783.0	3991.8	3994.2	3808.4	3908.2	4683.0	4473.1	4352.8
50°	3955.6	4041.2	4329.4	4542.1	4484.9	4041.7	4006.0	4834.1	4641.4	4545.1
52.5°	4120.5	4435.0	4834.1	5070.4	4936.8	4296.1	4168.9	4997.5	4908.5	4816.0
55°	4312.2	4703.6	5337.5	5525.8	5391.3	4612.0	4416.4	5219.1	5210.2	5147.1
57.5°	4528.9	4987.2	5629.0	5883.8	5764.0	4982.9	4762.2	5427.9	5394.6	5359.5
59°	4700.1	5133.0	5757.6	6021.7	5949.3	5242.6	4994.5	5558.0	5437.2	5384.4
60°	4803.8	5231.8	5805.1	6040.3	6023.7	5397.1	5141.8	5621.6	5436.8	5363.4
62.5°	5111.4	5404.4	5786.9	5957.7	6022.7	5693.5	5573.7	5691.5	5336.0	5228.3
65°	5221.0	5347.2	5487.1	5466.0	5521.9	5678.4	5849.6	5614.8	5120.7	4967.7
67.5°	5007.8	4719.7	4769.1	4628.7	4601.3	5048.4	5737.6	5239.1	4699.6	4512.3
70°	4221.2	3615.7	3590.8	3655.3	3478.2	4087.2	5152.1	4515.7	4004.6	3792.2
72.5°	3322.7	2555.2	2344.9	2582.6	2577.2	3118.2	4280.0	3204.3	2705.4	2687.3
75°	2612.9	1779.0	1561.3	1600.0	1674.3	2257.4	3408.8	2034.8	1666.0	1518.2
77.5°	1754.1	1260.5	1175.9	1128.5	1208.6	1449.3	2156.6	1103.5	934.3	884.9
80°	1011.0	915.6	1039.9	944.1	987.0	913.2	1072.7	506.3	420.2	454.9
82.5°	657.9	521.4	555.7	412.8	564.5	569.3	344.4	149.7	126.7	134.5
85°	411.4	244.5	137.4	97.8	194.7	358.1	107.6	9.3	10.7	9.3
87.5°	106.6	40.6	17.1	25.4	31.3	27.9	25.0	1.5	0.5	0.9
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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