

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: P527949

Luminaire Tested: **GLAN-SA3A-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6873 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

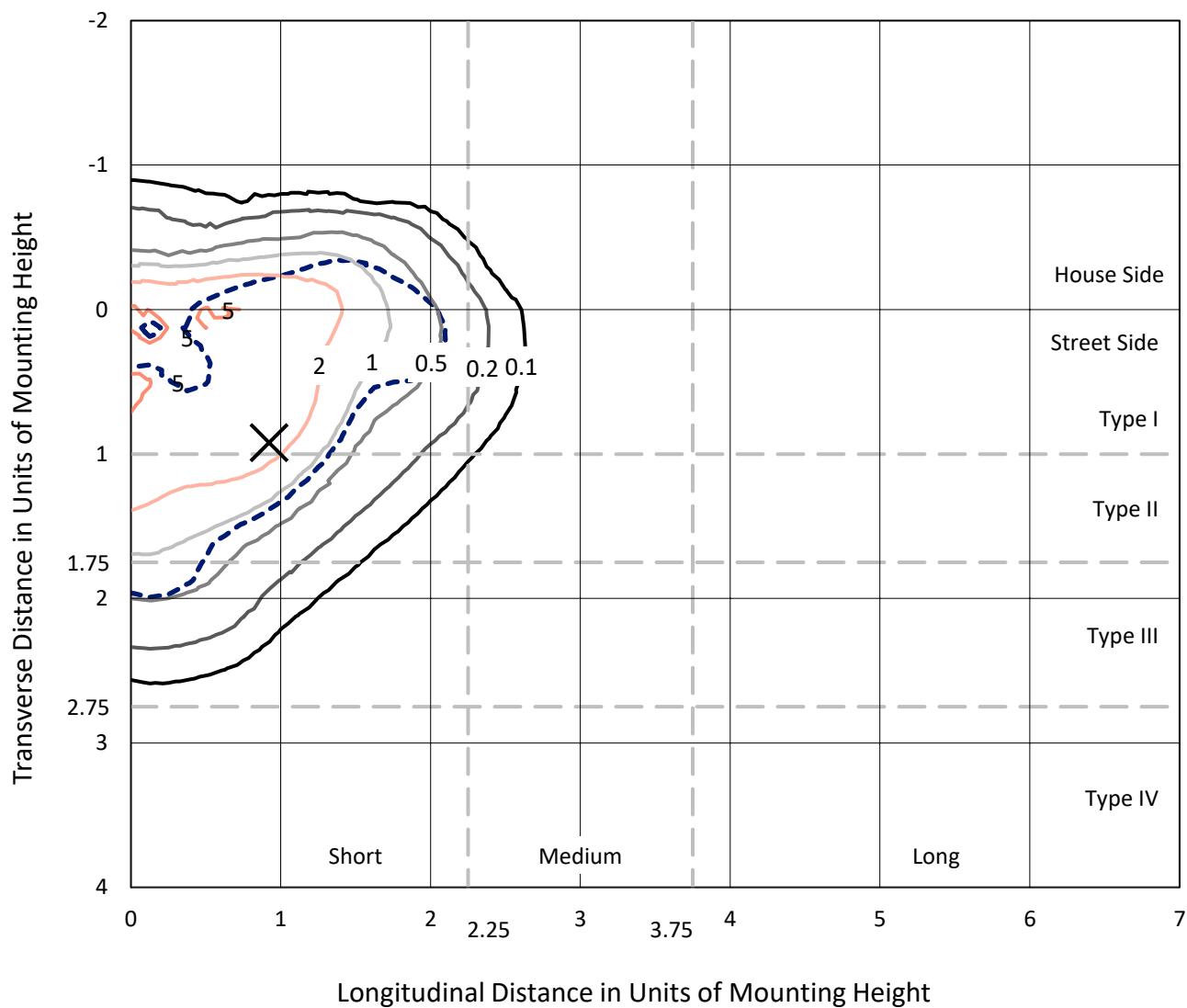
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

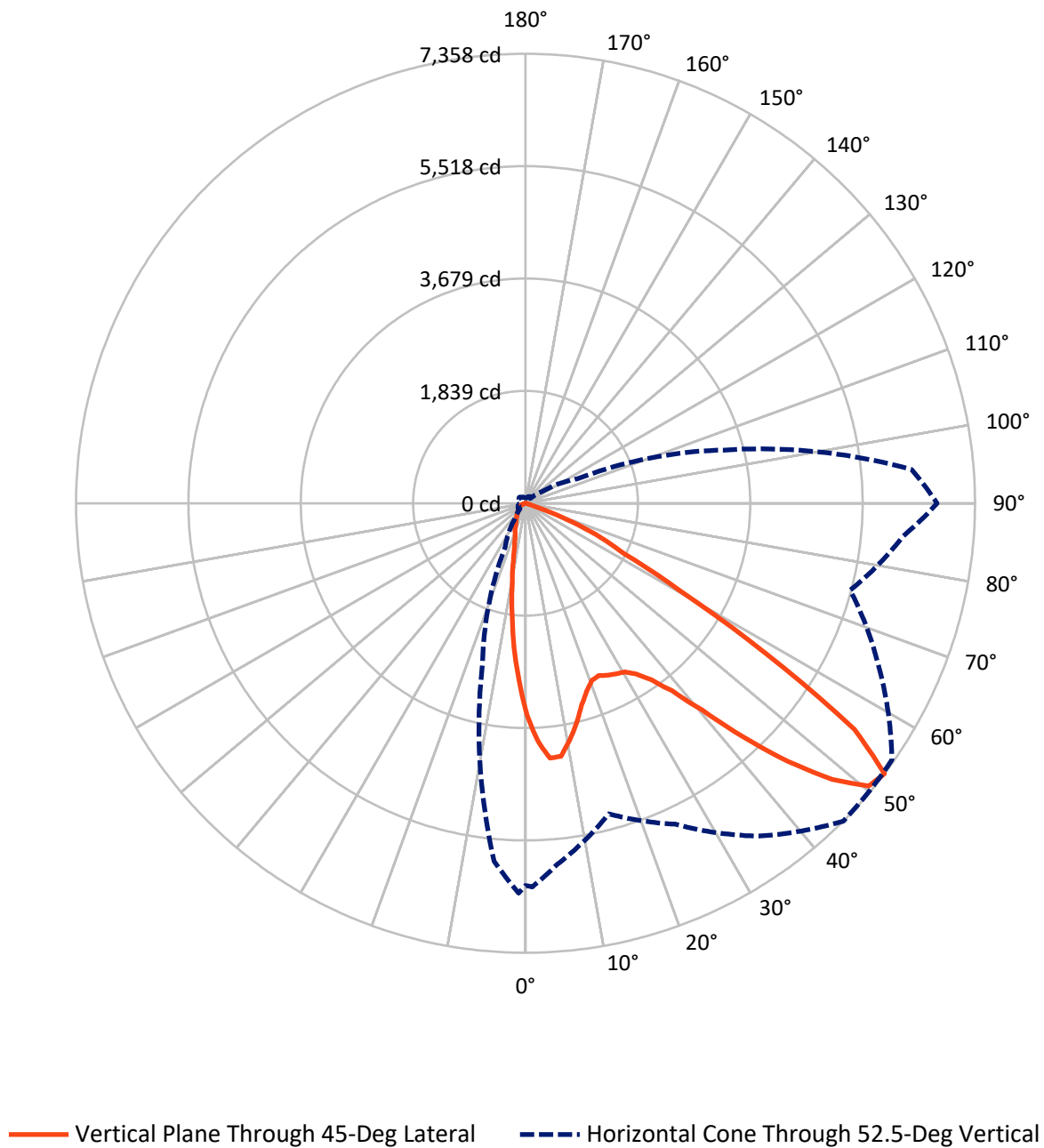
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1394.9	0.0	1394.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5478.1	0.0	5478.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	6873.0	0.0	6873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	3.7
10°-20°	501.4	7.3
20°-30°	763.1	11.1
30°-40°	1140.5	16.6
40°-50°	1624.2	23.6
50°-60°	1746.0	25.4
60°-70°	773.7	11.3
70°-80°	62.6	0.9
80°-90°	7.3	0.1
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°	6873.0	100.0
0°-180°	6873.0	100.0

Coefficient of Utilization



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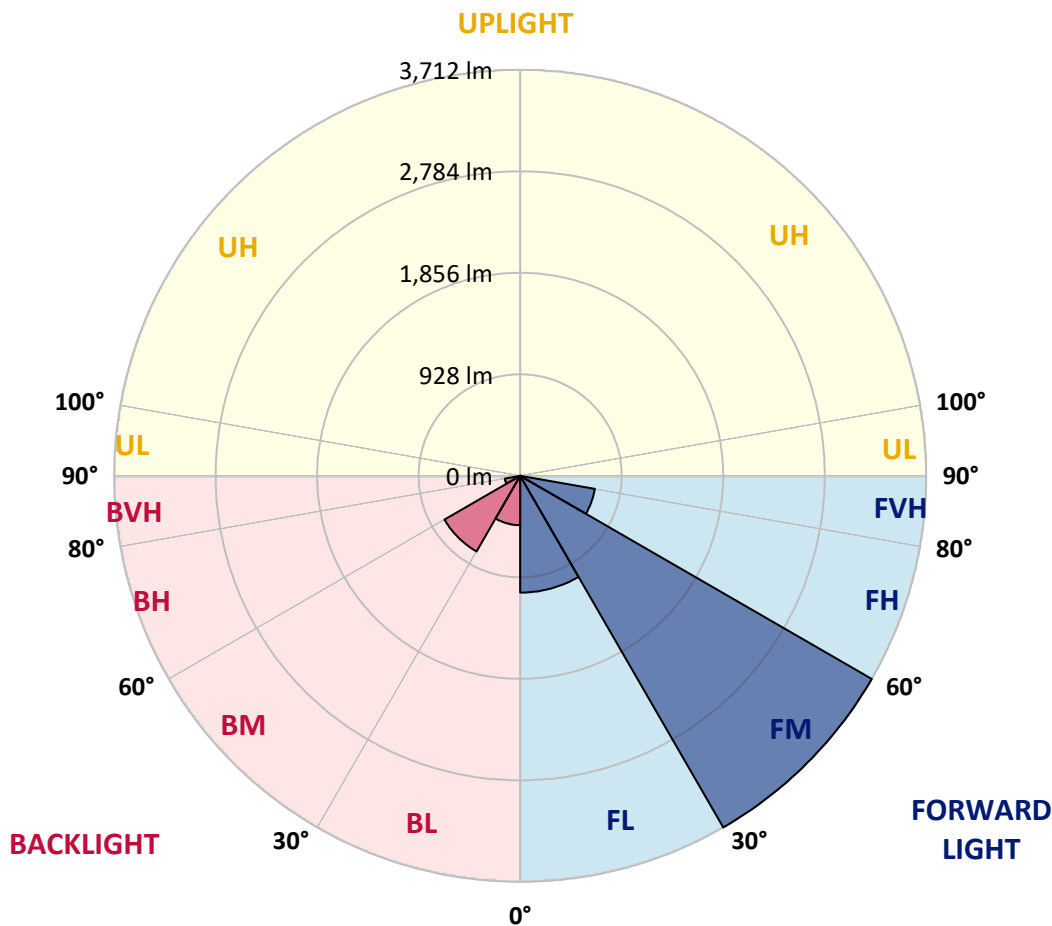
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1067.5	15.5			
FM	(30°-60°)	3711.6	54.0			
FH	(60°-80°)	693.6	10.1			G1/1800
FVH	(80°-90°)	5.4	0.1			G0/10
BL	(0°-30°)	451.2	6.6	B1/500		
BM	(30°-60°)	799.1	11.6	B1/1000		
BH	(60°-80°)	142.7	2.1	B1/500		G1/500
BVH	(80°-90°)	1.9	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9
2.5°	3687.7	3698.5	3758.0	3832.3	3871.5	3960.8	3898.6	3914.8	3881.0	3762.0	3668.8
5°	3575.5	3574.1	3649.8	3833.7	4008.1	4185.2	4190.6	4095.9	3929.7	3747.2	3486.3
7.5°	3237.6	3290.3	3368.7	3662.0	3985.1	4117.6	4181.1	4070.3	3814.8	3553.9	3271.3
10°	2982.1	3009.1	3141.6	3495.7	3732.3	3909.4	3948.6	3885.1	3689.1	3363.3	3046.9
12.5°	2834.7	2848.2	3003.7	3301.1	3551.2	3682.3	3701.2	3731.0	3590.4	3284.9	2905.0
15°	2836.1	2846.9	3056.4	3305.1	3403.8	3368.7	3430.9	3429.5	3490.3	3270.0	3024.0
17.5°	3040.2	3052.4	3241.6	3364.6	3321.4	3238.9	3234.8	3297.0	3425.5	3455.2	3203.8
20°	3391.7	3420.0	3559.3	3552.5	3309.2	3142.9	3097.0	3144.3	3443.0	3612.0	3566.0
22.5°	3864.8	3904.0	4001.3	3814.8	3364.6	3078.0	3063.2	3155.1	3559.3	3962.1	3977.0
25°	4413.6	4479.9	4527.2	4287.9	3562.0	3190.2	3119.9	3278.1	3716.1	4342.0	4500.1
27.5°	4777.2	4846.2	4835.4	4493.4	3694.5	3220.0	3160.5	3307.8	3852.6	4432.5	4773.2
30°	5061.1	5103.0	5178.7	4604.2	3826.9	3303.8	3202.4	3433.6	3897.2	4589.3	5103.0
32.5°	5392.3	5420.7	5426.1	4800.2	4031.1	3409.2	3332.2	3590.4	4094.6	4739.4	5395.0
35°	5726.2	5768.1	5680.2	5042.2	4156.8	3605.2	3548.5	3862.1	4252.8	4894.9	5716.7
37.5°	6088.5	6110.1	5907.3	5142.2	4336.6	3924.3	3893.2	4155.4	4527.2	5176.0	6073.6
40°	6392.6	6412.9	6149.3	5265.2	4525.8	4370.4	4450.1	4715.1	4900.3	5358.5	6252.1
42.5°	6561.6	6608.9	6230.4	5197.7	4905.7	4875.9	5230.1	5323.4	5332.8	5409.9	6411.6
45°	6607.6	6586.0	6096.6	5253.1	5238.2	5707.3	6029.0	6152.0	5762.7	5504.5	6452.1
47.5°	6395.3	6423.7	5899.2	5204.4	5674.8	6337.2	6753.6	6982.0	6083.1	5422.1	6352.1
50°	6223.7	6187.2	5835.7	5169.3	5792.4	6634.6	7276.7	7328.1	6377.8	5523.4	6242.6
52.5°	6257.5	6280.4	5937.1	5262.5	5795.2	6652.2	7357.8	7322.7	6387.2	5500.5	6203.4
55°	6329.1	6227.7	5893.8	5057.1	5407.2	6161.5	6530.5	6476.5	5895.2	5255.8	6107.4
57.5°	5461.3	5618.1	5419.4	4515.0	4437.9	4642.1	4635.3	4801.6	4397.4	4523.1	5559.9
60°	4432.5	4459.6	4533.9	3862.1	3071.3	3001.0	2903.7	2798.2	2959.1	3867.5	5057.1
62.5°	3898.6	3866.1	4131.1	3513.3	2168.3	1815.5	1799.2	1864.1	2283.2	3689.1	4743.5
65°	2833.4	2873.9	3065.9	2726.6	1627.6	1385.6	1361.3	1553.2	1847.9	2956.4	3620.1
67.5°	1730.3	1808.7	1826.3	1681.6	1104.4	877.3	842.2	1016.6	1334.2	1912.8	2122.3
70°	798.9	893.5	982.8	917.9	639.4	360.9	340.7	427.2	673.2	1100.4	1126.0
72.5°	242.0	243.3	340.7	355.5	206.8	81.1	71.6	94.6	228.5	363.6	382.6
75°	17.6	18.9	46.0	52.7	39.2	20.3	21.6	25.7	48.7	81.1	60.8
77.5°	1.4	1.4	1.4	6.8	12.2	13.5	17.6	20.3	25.7	29.7	27.0
80°	1.4	0.0	1.4	5.4	9.5	13.5	16.2	18.9	20.3	23.0	20.3
82.5°	0.0	0.0	0.0	4.1	9.5	13.5	14.9	20.3	23.0	27.0	23.0
85°	0.0	0.0	0.0	4.1	9.5	14.9	13.5	6.8	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°	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9
2.5°	3685.0	3632.3	3512.0	3451.1	3307.8	3287.6	3147.0	3124.0	3076.7	3051.0	2988.8
5°	3371.4	3307.8	3111.8	2946.9	2755.0	2621.1	2518.4	2425.1	2371.1	2321.0	2344.0
7.5°	3115.9	2930.7	2713.1	2437.3	2215.6	2072.3	1915.5	1787.1	1711.4	1660.0	1672.2
10°	2848.2	2727.9	2425.1	2115.6	1847.9	1746.5	1623.5	1524.8	1418.0	1326.1	1282.9
12.5°	2764.4	2586.0	2206.1	1891.2	1688.4	1589.7	1449.1	1335.6	1199.0	1086.8	1047.6
15°	2779.3	2607.6	2146.7	1810.1	1570.8	1400.5	1232.8	1092.3	942.2	863.8	823.2
17.5°	3021.3	2723.9	2185.9	1724.9	1407.2	1170.7	963.8	785.4	673.2	592.1	574.5
20°	3318.7	2975.3	2269.7	1662.7	1273.4	931.4	704.3	550.2	456.9	443.4	439.3
22.5°	3753.9	3386.2	2449.5	1620.8	1109.8	725.9	482.6	400.1	374.4	371.7	373.1
25°	4362.2	3901.3	2645.5	1585.7	986.8	559.6	394.7	339.3	331.2	327.1	333.9
27.5°	4625.8	4212.2	2749.6	1510.0	874.6	504.2	389.3	336.6	313.6	306.9	310.9
30°	4951.6	4419.0	2913.1	1380.2	709.7	415.0	363.6	366.3	355.5	321.7	310.9
32.5°	5384.2	4677.2	2995.6	1288.3	634.0	343.4	266.3	244.7	273.1	278.5	287.9
35°	5661.3	4939.5	3037.5	1234.2	594.8	293.3	225.7	205.5	198.7	200.1	205.5
37.5°	6176.4	5293.6	3090.2	1177.4	565.1	255.5	204.1	185.2	175.7	175.7	181.1
40°	6484.6	5574.8	3161.9	1146.3	535.3	232.5	185.2	169.0	160.9	160.9	163.6
42.5°	6561.6	5714.0	3137.5	1135.5	501.5	227.1	169.0	156.8	147.3	146.0	144.6
45°	6699.5	5926.3	3141.6	1123.3	466.4	206.8	159.5	146.0	132.5	131.1	129.8
47.5°	6850.9	6079.0	3149.7	1076.0	432.6	173.0	166.3	135.2	119.0	116.3	116.3
50°	6721.1	6200.7	3220.0	1028.7	389.3	140.6	163.6	127.1	105.4	101.4	102.7
52.5°	6737.4	6344.0	3368.7	962.5	335.2	112.2	132.5	120.3	96.0	89.2	90.6
55°	6477.8	6192.6	3389.0	892.2	262.2	86.5	101.4	105.4	81.1	78.4	78.4
57.5°	5576.2	5243.6	2990.2	723.2	173.0	71.6	73.0	91.9	70.3	67.6	68.9
60°	4771.8	4209.5	2406.2	477.2	108.1	56.8	52.7	93.3	62.2	60.8	64.9
62.5°	4350.1	3459.2	1824.9	296.0	74.3	43.3	36.5	75.7	54.1	54.1	59.5
65°	3142.9	2323.7	1061.2	155.5	52.7	33.8	27.0	43.3	44.6	46.0	48.7
67.5°	1946.6	1173.4	447.4	75.7	35.1	23.0	17.6	27.0	29.7	29.7	32.4
70°	961.1	467.7	148.7	43.3	27.0	18.9	12.2	14.9	14.9	13.5	14.9
72.5°	297.4	140.6	37.9	27.0	18.9	12.2	6.8	5.4	2.7	0.0	1.4
75°	33.8	27.0	24.3	18.9	12.2	5.4	1.4	0.0	0.0	0.0	0.0
77.5°	20.3	23.0	23.0	18.9	12.2	4.1	0.0	0.0	0.0	0.0	0.0
80°	16.2	17.6	18.9	17.6	10.8	5.4	0.0	0.0	0.0	0.0	0.0
82.5°	20.3	23.0	25.7	23.0	14.9	6.8	2.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	4.1	1.4	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°	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9
2.5°	2963.1	2933.4	2975.3	2913.1	2911.8	2913.1	2895.5	2879.3	2905.0	2974.0	2980.7
5°	2261.6	2325.1	2345.4	2411.6	2375.1	2321.0	2331.8	2295.3	2384.6	2423.8	2392.7
7.5°	1646.5	1642.4	1779.0	1787.1	1804.6	1806.0	1803.3	1731.7	1658.7	1674.9	1723.5
10°	1277.4	1208.5	1274.7	1268.0	1311.2	1299.1	1316.6	1239.6	1265.3	1265.3	1296.4
12.5°	1040.9	967.9	955.7	938.1	955.7	962.5	969.2	954.4	997.6	1017.9	1039.5
15°	794.9	754.3	743.5	709.7	715.1	734.0	750.2	757.0	743.5	774.6	777.3
17.5°	577.2	575.9	582.6	581.3	575.9	571.8	570.5	552.9	547.5	550.2	561.0
20°	438.0	448.8	471.8	494.8	506.9	492.1	471.8	442.0	429.9	432.6	433.9
22.5°	374.4	390.7	421.8	447.4	459.6	432.6	396.1	370.4	365.0	363.6	362.3
25°	339.3	358.2	381.2	389.3	388.0	371.7	344.7	333.9	331.2	328.5	316.3
27.5°	320.4	327.1	331.2	340.7	344.7	333.9	327.1	310.9	308.2	308.2	300.1
30°	309.6	305.5	310.9	304.2	309.6	301.5	302.8	302.8	296.0	298.7	298.7
32.5°	287.9	289.3	289.3	275.8	279.8	270.4	279.8	287.9	289.3	290.6	301.5
35°	210.9	235.2	247.4	247.4	251.4	244.7	243.3	233.9	221.7	209.5	204.1
37.5°	185.2	194.7	210.9	220.3	227.1	221.7	209.5	194.7	187.9	182.5	177.1
40°	164.9	173.0	183.8	194.7	208.2	201.4	182.5	175.7	167.6	167.6	162.2
42.5°	148.7	152.8	159.5	175.7	190.6	177.1	163.6	158.2	154.1	152.8	151.4
45°	133.8	135.2	141.9	155.5	173.0	159.5	146.0	139.2	140.6	141.9	140.6
47.5°	120.3	123.0	127.1	143.3	154.1	147.3	132.5	128.4	128.4	128.4	129.8
50°	104.1	110.8	119.0	132.5	140.6	136.5	124.4	119.0	116.3	116.3	117.6
52.5°	93.3	98.7	109.5	125.7	136.5	129.8	117.6	109.5	104.1	102.7	105.4
55°	81.1	90.6	108.1	120.3	135.2	128.4	114.9	105.4	96.0	94.6	94.6
57.5°	73.0	87.9	104.1	119.0	131.1	125.7	114.9	102.7	90.6	89.2	89.2
60°	68.9	85.2	101.4	114.9	131.1	123.0	113.6	100.0	86.5	86.5	85.2
62.5°	64.9	79.8	96.0	109.5	125.7	119.0	109.5	96.0	82.5	82.5	79.8
65°	54.1	68.9	79.8	91.9	109.5	102.7	93.3	83.8	73.0	70.3	71.6
67.5°	37.9	47.3	58.1	70.3	81.1	78.4	74.3	67.6	58.1	56.8	55.4
70°	18.9	25.7	35.1	47.3	56.8	54.1	51.4	46.0	40.6	39.2	39.2
72.5°	2.7	8.1	14.9	21.6	29.7	31.1	29.7	28.4	27.0	25.7	27.0
75°	0.0	0.0	0.0	5.4	12.2	14.9	17.6	20.3	20.3	17.6	21.6
77.5°	0.0	0.0	0.0	0.0	1.4	6.8	13.5	17.6	21.6	18.9	25.7
80°	0.0	0.0	0.0	0.0	1.4	8.1	13.5	18.9	21.6	18.9	27.0
82.5°	0.0	0.0	0.0	0.0	1.4	9.5	13.5	17.6	20.3	18.9	24.3
85°	0.0	0.0	0.0	0.0	4.1	8.1	5.4	2.7	1.4	1.4	4.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9	3484.9
2.5°	3018.6	3114.5	3217.3	3256.5	3378.1	3470.1	3532.2	3666.1	3686.3	3687.7
5°	2425.1	2473.8	2649.5	2732.0	2913.1	3053.7	3203.8	3420.0	3564.7	3575.5
7.5°	1723.5	1858.7	1933.1	2148.0	2371.1	2591.4	2814.4	3065.9	3233.5	3237.6
10°	1386.9	1474.8	1607.3	1768.1	1956.0	2180.4	2477.8	2769.8	2940.2	2982.1
12.5°	1116.6	1270.7	1422.1	1588.4	1731.7	1900.6	2221.0	2610.3	2750.9	2834.7
15°	859.7	1000.3	1178.8	1373.4	1535.6	1761.4	2126.4	2571.1	2807.7	2836.1
17.5°	634.0	759.7	924.6	1108.5	1351.8	1672.2	2142.6	2769.8	2992.9	3040.2
20°	455.6	528.6	658.3	871.9	1181.5	1568.1	2158.8	2971.2	3310.5	3391.7
22.5°	360.9	390.7	475.8	665.1	990.9	1458.6	2273.7	3356.5	3747.2	3864.8
25°	313.6	329.8	370.4	524.5	870.6	1447.8	2457.6	3818.8	4328.5	4413.6
27.5°	302.8	305.5	340.7	481.2	805.7	1376.1	2527.9	4147.3	4690.7	4777.2
30°	319.0	362.3	365.0	406.9	685.4	1234.2	2564.4	4465.0	4997.6	5061.1
32.5°	275.8	262.2	271.7	315.0	602.9	1151.7	2633.3	4742.1	5347.7	5392.3
35°	192.0	201.4	223.0	273.1	527.2	1065.2	2650.9	5047.6	5680.2	5726.2
37.5°	177.1	182.5	200.1	232.5	463.7	1016.6	2626.5	5270.7	6025.0	6088.5
40°	164.9	171.7	181.1	210.9	416.4	962.5	2592.7	5472.1	6235.8	6392.6
42.5°	155.5	160.9	169.0	201.4	375.8	908.4	2545.4	5755.9	6425.1	6561.6
45°	144.6	152.8	162.2	196.0	352.8	871.9	2510.3	5738.4	6534.6	6607.6
47.5°	133.8	147.3	158.2	182.5	346.1	854.3	2525.2	5672.1	6445.4	6395.3
50°	123.0	140.6	159.5	151.4	329.8	819.2	2542.7	5762.7	6233.1	6223.7
52.5°	113.6	133.8	148.7	124.4	293.3	785.4	2713.1	5881.7	6383.2	6257.5
55°	100.0	120.3	119.0	100.0	237.9	759.7	2846.9	5884.4	6281.8	6329.1
57.5°	90.6	106.8	93.3	83.8	175.7	635.3	2629.2	4934.1	5377.4	5461.3
60°	83.8	104.1	70.3	66.2	114.9	458.3	2295.3	3821.5	4274.4	4432.5
62.5°	77.1	98.7	55.4	54.1	79.8	325.8	1887.1	3198.3	3683.6	3898.6
65°	67.6	70.3	44.6	41.9	56.8	175.7	1149.0	2202.1	2753.6	2833.4
67.5°	55.4	54.1	36.5	33.8	37.9	85.2	506.9	1103.1	1596.5	1730.3
70°	44.6	44.6	31.1	27.0	27.0	39.2	132.5	439.3	721.9	798.9
72.5°	32.4	33.8	24.3	21.6	20.3	18.9	21.6	87.9	189.3	242.0
75°	28.4	29.7	24.3	18.9	14.9	12.2	9.5	8.1	10.8	17.6
77.5°	31.1	31.1	25.7	17.6	13.5	9.5	5.4	2.7	2.7	1.4
80°	39.2	40.6	33.8	23.0	16.2	10.8	6.8	2.7	1.4	1.4
82.5°	41.9	46.0	37.9	28.4	20.3	12.2	6.8	1.4	0.0	0.0
85°	10.8	17.6	29.7	25.7	20.3	12.2	6.8	1.4	0.0	0.0
87.5°	0.0	1.4	4.1	4.1	5.4	5.4	4.1	1.4	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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