

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: P193070

Luminaire Tested: **GAN-AF-02-LED-U-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193070
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-SLR-7030
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10351.2 lumens
Efficiency: N/A
Efficacy: 91.6 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): 113
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

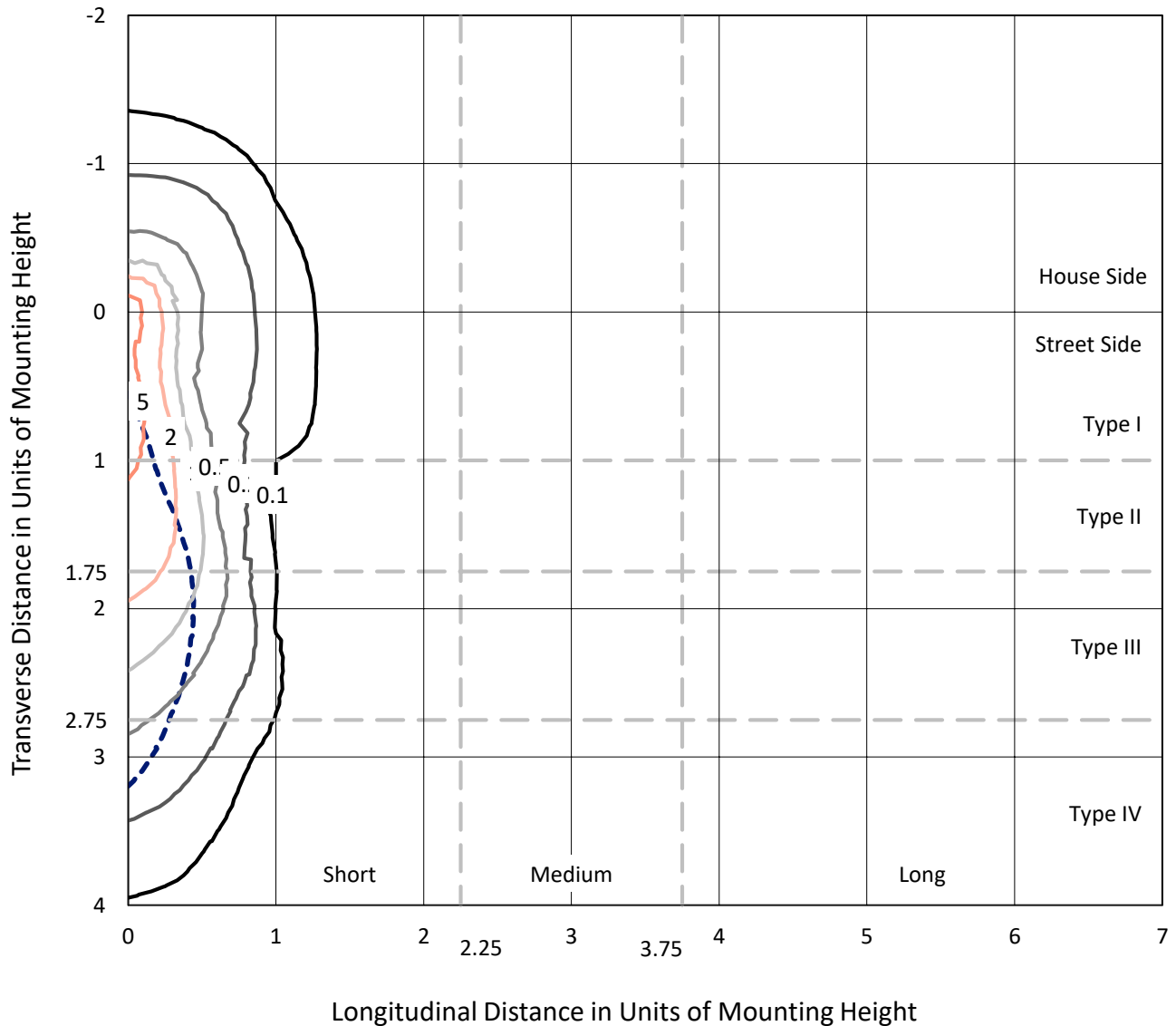


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

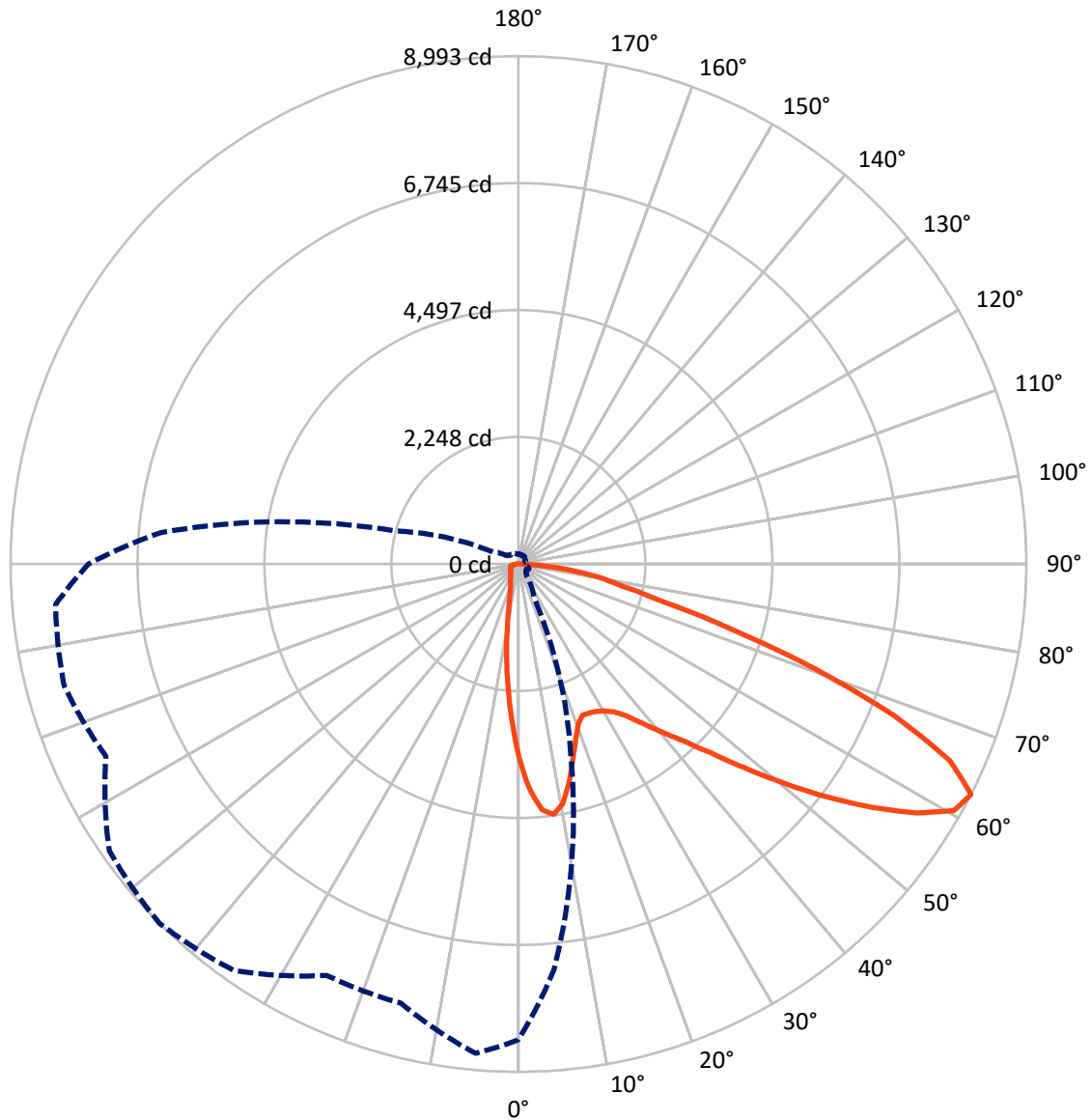


Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1713.0	0.0	1713.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8638.2	0.0	8638.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	10351.2	0.0	10351.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	2.5
10°-20°	466.8	4.5
20°-30°	680.6	6.6
30°-40°	1048.3	10.1
40°-50°	1542.8	14.9
50°-60°	2262.9	21.9
60°-70°	2529.7	24.4
70°-80°	1238.5	12.0
80°-90°	327.0	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°	10351.2	100.0
0°-180°	10351.2	100.0

Coefficient of Utilization



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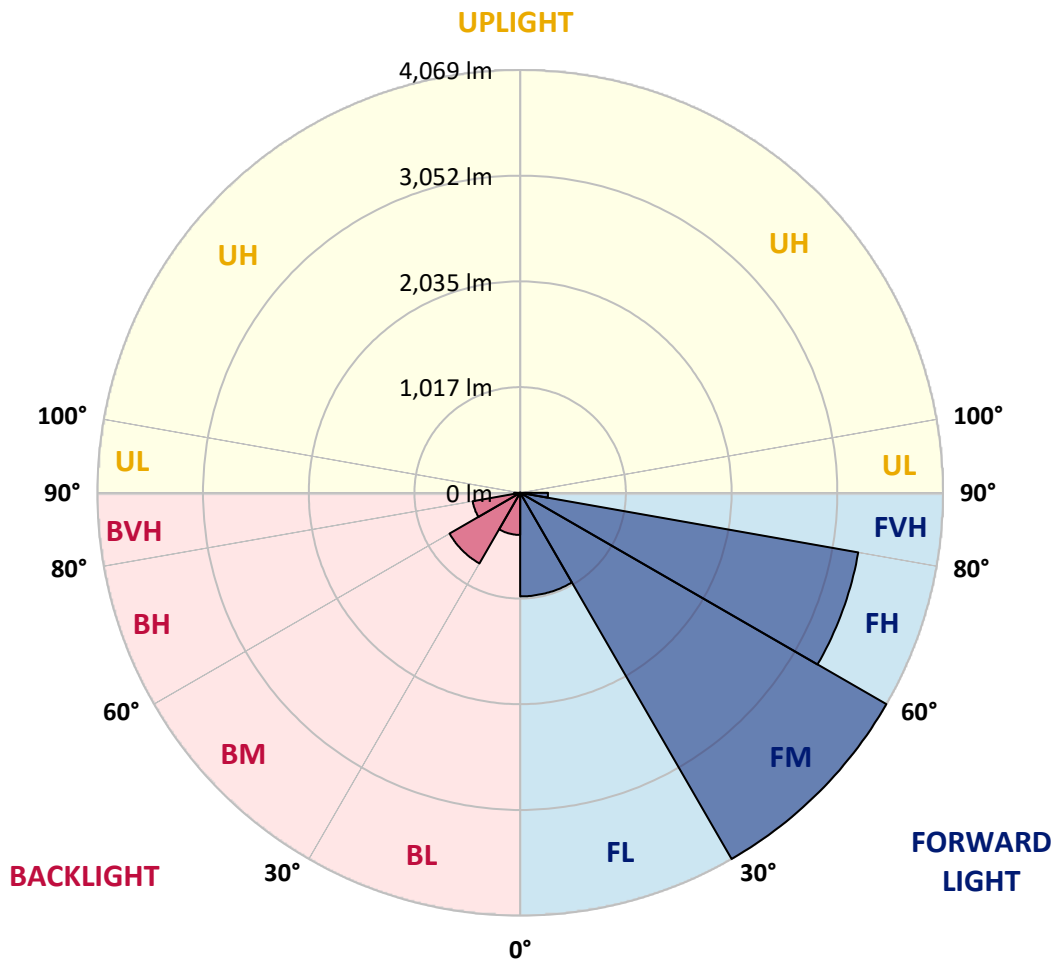
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	996.8	9.6			
FM	(30°-60°)	4069.2	39.3			
FH	(60°-80°)	3303.8	31.9			G2/5000
FVH	(80°-90°)	268.5	2.6			G3/500
BL	(0°-30°)	405.3	3.9	B1/500		
BM	(30°-60°)	784.9	7.6	B1/1000		
BH	(60°-80°)	464.4	4.5	B1/500		G1/500
BVH	(80°-90°)	58.5	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°	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2
2.5°	3633.8	3559.7	3436.9	3308.8	3230.9	3139.9	3068.8	3006.2	2880.9	2856.5	2878.7
5°	3417.0	3268.5	3036.9	2803.6	2648.2	2481.5	2351.8	2247.7	2088.9	2060.9	2094.6
7.5°	3069.3	2891.8	2585.6	2288.0	2068.4	1860.1	1720.2	1608.7	1484.7	1431.1	1434.5
10°	2769.4	2569.1	2207.2	1883.4	1703.7	1563.1	1445.3	1330.9	1205.2	1122.6	1099.9
12.5°	2601.6	2371.2	1954.0	1665.0	1498.3	1350.3	1223.3	1101.0	966.7	882.6	858.7
15°	2572.5	2322.2	1858.9	1524.9	1316.1	1128.9	979.3	842.7	704.4	636.2	621.9
17.5°	2698.2	2409.8	1828.2	1400.3	1144.8	913.9	730.1	577.6	464.9	430.7	427.9
20°	2939.5	2578.2	1824.3	1283.1	975.9	705.0	508.7	397.7	348.2	338.6	339.1
22.5°	3278.1	2839.4	1873.2	1195.0	820.5	525.7	382.4	332.9	313.6	304.4	304.4
25°	3716.2	3199.0	1985.9	1130.7	685.7	419.9	337.4	307.9	289.6	283.4	284.5
27.5°	4140.8	3549.0	2116.8	1080.0	597.4	381.2	319.8	293.1	277.1	270.9	273.7
30°	4472.0	3859.7	2226.0	1011.2	552.6	370.4	326.0	298.8	276.0	266.3	266.9
32.5°	4746.2	4131.6	2317.6	961.6	512.7	317.5	281.2	269.1	266.3	254.9	249.2
35°	5096.7	4428.2	2379.1	962.8	494.0	283.4	250.4	229.3	213.9	200.8	200.8
37.5°	5507.5	4768.4	2444.5	975.9	487.1	263.5	239.6	218.5	204.4	191.7	189.4
40°	5913.8	5101.9	2504.2	988.4	483.2	251.6	231.0	211.6	198.7	186.1	182.7
42.5°	6259.3	5376.1	2557.8	994.7	469.5	250.4	224.7	207.1	194.6	181.0	177.5
45°	6514.7	5606.0	2615.2	1004.3	455.8	254.9	224.7	206.5	191.2	178.1	174.7
47.5°	6742.9	5875.8	2711.4	1004.3	439.3	246.4	232.1	207.1	190.6	177.0	174.2
50°	7048.5	6245.6	2893.5	981.0	415.9	237.3	244.6	204.9	185.5	174.7	171.3
52.5°	7469.5	6719.6	3182.5	940.6	380.1	219.6	243.0	203.7	180.4	169.1	165.0
55°	7967.4	7227.2	3497.7	893.4	326.5	207.1	234.5	200.8	174.7	162.1	158.2
57.5°	8356.0	7576.5	3719.7	820.5	279.9	200.3	207.7	198.0	167.8	154.8	151.4
60°	8510.9	7562.8	3780.6	723.2	257.2	194.6	181.5	221.9	162.1	149.0	145.1
62.5°	8427.1	7213.6	3609.8	654.9	252.1	187.2	170.1	205.4	157.7	145.1	139.5
65°	8040.8	6594.4	3157.5	636.8	266.9	179.8	162.7	161.0	151.4	139.5	133.8
67.5°	7199.2	5669.1	2528.2	638.4	285.6	172.4	155.3	147.4	142.8	133.2	128.1
70°	5863.7	4482.2	1884.6	643.0	295.3	163.9	147.4	138.9	133.8	124.0	120.6
72.5°	4311.5	3454.6	1369.0	613.4	297.0	154.2	136.6	129.2	124.0	113.8	111.0
75°	2949.8	2642.6	949.7	508.2	259.0	140.5	124.7	117.8	114.4	101.8	100.2
77.5°	2154.9	1983.6	607.7	377.3	199.7	123.5	109.8	104.7	102.3	88.7	86.6
80°	1729.2	1569.4	380.1	258.3	146.2	103.6	92.3	89.4	87.1	73.4	71.7
82.5°	1199.4	1051.0	244.0	167.8	109.8	80.2	72.8	71.7	68.3	55.7	54.1
85°	632.7	570.8	154.8	114.4	79.6	55.1	50.7	50.7	48.9	37.0	35.8
87.5°	80.9	131.4	78.5	59.8	43.8	24.5	24.5	23.9	25.5	21.1	18.2
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2
2.5°	2826.3	2853.7	2827.4	2829.2	2858.2	2944.6	2984.0	3016.4	3051.1	3073.9	3084.1
5°	2048.5	2112.2	2133.9	2179.4	2246.5	2356.8	2400.7	2432.5	2453.6	2466.1	2471.2
7.5°	1400.9	1439.6	1482.8	1556.3	1702.5	1767.4	1796.4	1789.0	1765.1	1756.6	1748.0
10°	1056.1	1040.7	1032.7	1073.2	1191.6	1256.9	1277.5	1257.6	1244.5	1247.3	1261.5
12.5°	818.3	791.5	759.1	754.6	832.4	891.1	904.1	905.3	929.2	950.2	981.5
15°	596.3	593.5	577.6	567.9	612.3	660.0	665.7	676.0	697.6	713.0	740.3
17.5°	420.5	435.8	448.4	454.6	488.2	522.4	516.1	511.0	507.0	507.0	520.1
20°	339.1	349.4	365.4	383.5	417.7	441.5	426.2	405.7	390.9	386.3	388.1
22.5°	305.6	313.6	322.7	338.6	369.3	385.8	369.3	354.5	339.7	334.6	332.9
25°	288.5	298.8	307.2	319.2	342.0	353.4	337.4	326.5	317.5	311.3	306.7
27.5°	278.8	287.9	290.2	295.9	315.2	325.5	317.5	312.9	307.2	301.5	295.9
30°	268.6	266.9	262.9	263.5	278.8	289.1	288.5	289.6	289.1	287.4	286.3
32.5°	245.3	241.8	238.4	241.8	256.1	265.2	265.7	268.0	268.0	267.4	271.9
35°	204.4	210.6	214.4	224.7	241.8	249.7	246.4	240.7	230.4	224.2	223.7
37.5°	188.9	190.0	196.8	211.1	229.9	237.3	232.1	219.1	212.3	211.1	212.8
40°	181.5	182.7	186.7	199.7	218.5	225.9	221.4	211.6	205.4	204.9	207.7
42.5°	176.4	177.5	179.8	188.9	204.4	213.4	213.9	207.1	199.7	200.3	203.1
45°	173.5	174.2	173.5	178.1	192.3	203.1	207.7	203.1	196.8	198.0	201.5
47.5°	172.9	171.3	169.1	170.1	184.9	195.8	201.5	199.7	196.8	198.0	200.8
50°	170.7	166.7	163.9	163.4	178.1	189.4	194.6	194.6	195.8	198.0	200.8
52.5°	163.9	159.3	159.3	157.7	173.5	184.3	187.8	188.4	190.0	194.1	198.0
55°	155.3	153.6	155.3	152.5	170.1	180.4	182.1	183.2	184.3	187.8	193.5
57.5°	147.9	145.7	149.6	148.5	167.2	176.4	176.4	178.6	178.6	183.2	187.8
60°	144.0	139.5	141.2	142.2	163.4	172.9	171.9	174.2	175.3	179.3	182.7
62.5°	138.9	134.8	134.8	137.6	158.8	167.8	167.2	169.1	173.5	174.7	178.1
65°	132.5	130.9	129.2	132.5	154.2	162.1	162.7	165.0	169.1	170.1	172.9
67.5°	126.3	126.8	123.5	126.8	150.2	156.5	156.5	161.0	162.7	165.0	167.8
70°	119.5	120.0	117.2	121.2	147.4	150.2	149.6	155.9	157.0	158.8	161.6
72.5°	111.0	111.0	109.8	115.5	142.8	144.0	142.8	147.9	148.5	150.2	151.4
75°	101.8	101.8	100.7	108.7	140.0	137.1	133.8	137.6	138.9	140.0	140.0
77.5°	89.9	91.0	91.0	100.7	130.3	134.3	122.9	125.2	126.8	127.5	125.7
80°	75.1	77.9	79.1	91.6	109.3	124.0	109.8	111.6	112.1	112.1	109.8
82.5°	57.5	62.6	65.4	79.1	83.7	104.2	95.6	97.4	95.6	92.3	91.0
85°	39.9	46.7	50.0	60.3	63.2	80.2	79.6	79.6	76.3	71.7	71.1
87.5°	21.7	25.5	27.9	35.8	43.2	54.1	58.6	57.0	54.1	51.3	51.8
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2
2.5°	3137.6	3215.0	3338.4	3432.9	3528.0	3619.5	3718.5	3794.2	3858.5	3883.5	3959.8
5°	2523.1	2619.8	2736.4	2946.9	3096.1	3260.6	3450.5	3702.0	3798.8	3932.5	4151.6
7.5°	1783.8	1871.5	2059.3	2229.4	2440.6	2673.2	2929.9	3277.0	3403.9	3618.4	3975.2
10°	1332.1	1433.9	1584.7	1728.2	1914.2	2152.1	2446.8	2834.8	2989.2	3221.8	3632.7
12.5°	1073.2	1193.2	1353.1	1488.0	1632.0	1799.8	2086.0	2511.7	2718.3	2921.9	3337.4
15°	824.5	950.2	1098.8	1270.0	1428.8	1609.7	1909.7	2375.1	2612.9	2825.2	3179.7
17.5°	570.8	678.3	865.5	1044.2	1247.3	1479.0	1860.6	2404.1	2688.1	2932.7	3207.0
20°	404.6	466.0	619.6	826.8	1080.0	1370.7	1851.6	2556.5	2925.9	3205.3	3382.2
22.5°	340.3	363.1	452.4	642.5	934.9	1290.1	1883.4	2770.6	3246.8	3603.6	3661.6
25°	310.1	323.7	370.4	504.1	805.8	1231.4	1991.0	3089.2	3644.1	4001.9	3991.7
27.5°	293.6	307.9	338.6	425.7	708.4	1195.0	2098.6	3467.1	4098.1	4434.4	4306.9
30°	288.5	307.9	340.3	401.2	639.0	1137.5	2186.8	3798.8	4447.5	4726.3	4450.3
32.5°	284.5	287.4	302.1	346.0	572.9	1070.3	2246.5	4096.3	4789.5	5004.0	4656.8
35°	229.9	244.0	268.0	310.1	534.3	1029.9	2246.5	4353.0	5126.3	5284.6	4853.8
37.5°	221.4	233.9	254.9	290.7	512.7	1010.0	2201.6	4600.6	5470.6	5602.6	5015.9
40°	216.8	227.0	246.9	276.0	503.5	987.2	2136.1	4819.0	5806.8	5921.2	5167.3
42.5°	213.4	222.5	241.3	266.9	491.6	962.2	2083.1	4994.2	6098.8	6193.3	5311.8
45°	211.6	221.4	241.8	271.4	467.7	929.2	2065.5	5183.8	6338.9	6420.3	5468.3
47.5°	211.6	223.1	244.6	281.2	439.3	895.1	2120.7	5433.6	6565.9	6605.7	5652.6
50°	210.0	222.5	252.6	271.4	397.7	851.7	2250.5	5748.2	6811.8	6816.2	5885.9
52.5°	206.5	221.4	271.9	265.7	349.9	795.0	2425.8	6152.3	7175.4	7202.7	6251.3
55°	202.5	219.6	266.9	252.6	310.8	727.2	2569.1	6643.3	7686.3	7762.0	6788.4
57.5°	197.4	217.3	258.3	234.5	285.0	640.1	2620.9	7003.0	8043.1	8233.1	7393.9
60°	193.0	215.7	233.3	223.7	269.1	566.7	2520.7	6931.9	8018.6	8428.4	7930.5
62.5°	188.4	217.3	212.8	216.8	261.7	519.5	2259.1	6362.1	7612.9	8226.9	8328.2
65°	183.2	202.0	200.8	211.1	260.0	500.7	1872.6	5508.1	6828.8	7590.1	8422.0
67.5°	176.4	186.7	192.3	203.7	265.7	484.2	1511.3	4543.6	5739.2	6636.0	7932.8
70°	169.1	177.5	183.8	194.6	262.3	476.8	1256.9	3583.1	4553.9	5438.7	6967.1
72.5°	159.3	166.7	172.4	182.7	259.0	472.9	1061.8	2885.5	3399.9	4040.1	5664.5
75°	147.9	154.8	158.8	169.1	248.1	433.0	834.7	2441.6	2544.1	2810.3	4511.8
77.5°	134.8	140.0	143.3	154.8	219.6	360.2	603.7	1883.4	1975.6	2040.5	3459.0
80°	119.5	124.7	126.3	137.1	182.1	281.7	393.8	1391.3	1477.7	1492.6	2259.1
82.5°	101.8	107.0	107.0	117.2	149.0	202.5	258.3	953.1	970.2	1020.3	1596.8
85°	82.0	85.9	85.9	91.0	115.5	151.4	177.5	478.5	473.4	540.7	1383.3
87.5°	58.6	61.4	64.4	65.4	82.5	100.2	107.0	145.7	96.1	110.4	888.3
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2	3497.2
2.5°	4017.3	4049.7	4016.7	3992.8	3889.8	3805.1	3691.8	3633.8
5°	4318.3	4400.9	4372.9	4272.8	4057.7	3815.9	3541.0	3417.0
7.5°	4281.9	4473.6	4478.2	4290.9	3974.1	3617.8	3245.6	3069.3
10°	3998.6	4243.7	4313.8	4132.1	3795.8	3397.6	2970.9	2769.4
12.5°	3682.1	3922.3	3975.7	3913.1	3632.1	3232.0	2799.0	2601.6
15°	3423.2	3530.8	3594.5	3649.2	3491.5	3166.0	2789.4	2572.5
17.5°	3265.6	3253.6	3271.9	3367.0	3393.6	3241.7	2937.3	2698.2
20°	3208.7	3026.1	3021.4	3152.3	3347.6	3422.1	3226.3	2939.5
22.5°	3240.0	2944.1	2906.6	3061.9	3372.1	3682.1	3605.3	3278.1
25°	3348.1	2951.0	2920.8	3071.0	3460.8	3959.2	4014.4	3716.2
27.5°	3518.2	2994.1	2954.4	3108.5	3578.6	4191.9	4417.4	4140.8
30°	3679.9	3069.3	3019.8	3182.5	3686.1	4284.2	4664.3	4472.0
32.5°	3876.2	3209.8	3122.7	3318.5	3819.2	4431.0	4884.4	4746.2
35°	4068.5	3410.1	3302.1	3528.5	3967.7	4613.6	5135.9	5096.7
37.5°	4279.5	3671.8	3582.5	3799.9	4171.0	4786.0	5457.0	5507.5
40°	4505.0	4019.0	3913.1	4196.0	4486.1	5002.2	5792.1	5913.8
42.5°	4732.0	4404.2	4277.9	4564.7	4832.6	5215.6	6078.8	6259.3
45°	4992.0	4822.4	4762.7	5072.8	5165.6	5418.8	6290.5	6514.7
47.5°	5294.7	5297.0	5393.1	5517.3	5501.3	5648.7	6503.3	6742.9
50°	5648.0	5889.4	6101.6	6184.1	5847.2	5895.6	6798.6	7048.5
52.5°	6072.6	6597.8	6860.7	6806.7	6219.9	6197.1	7266.4	7469.5
55°	6603.5	7347.8	7609.0	7570.2	6648.4	6608.0	7849.0	7967.4
57.5°	7218.0	8074.4	8314.5	8140.4	7162.8	7058.7	8331.0	8356.0
60°	7758.1	8650.3	8860.8	8667.9	7681.8	7538.4	8632.0	8510.9
62.5°	8058.4	8845.4	8993.3	8785.6	8037.4	8049.3	8698.0	8427.1
65°	7924.1	8352.1	8399.9	8382.8	7945.8	8345.9	8460.8	8040.8
67.5°	7189.0	7104.8	7185.0	7296.0	7160.6	7955.5	7803.6	7199.2
70°	5893.9	5431.3	5591.3	5665.7	5727.2	6845.8	6773.1	5863.7
72.5°	4441.8	3805.1	3931.3	3916.0	4200.5	5491.1	5267.4	4311.5
75°	3147.2	2579.9	2595.9	2589.7	2931.0	4296.1	3814.1	2949.8
77.5°	2202.1	1869.2	1877.7	1913.0	1970.5	3240.0	2725.0	2154.9
80°	1514.2	1418.6	1465.8	1468.7	1365.6	2176.6	2013.2	1729.2
82.5°	1127.8	986.1	974.7	991.2	1070.3	1763.5	1547.2	1199.4
85°	923.6	583.8	469.5	588.4	948.6	1746.3	1027.7	632.7
87.5°	520.1	277.1	125.2	232.1	378.4	1156.3	297.0	80.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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