

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: McGRAW-EDISON

Report Number: P528159

Luminaire Tested: **GALN-SA3B-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7853 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

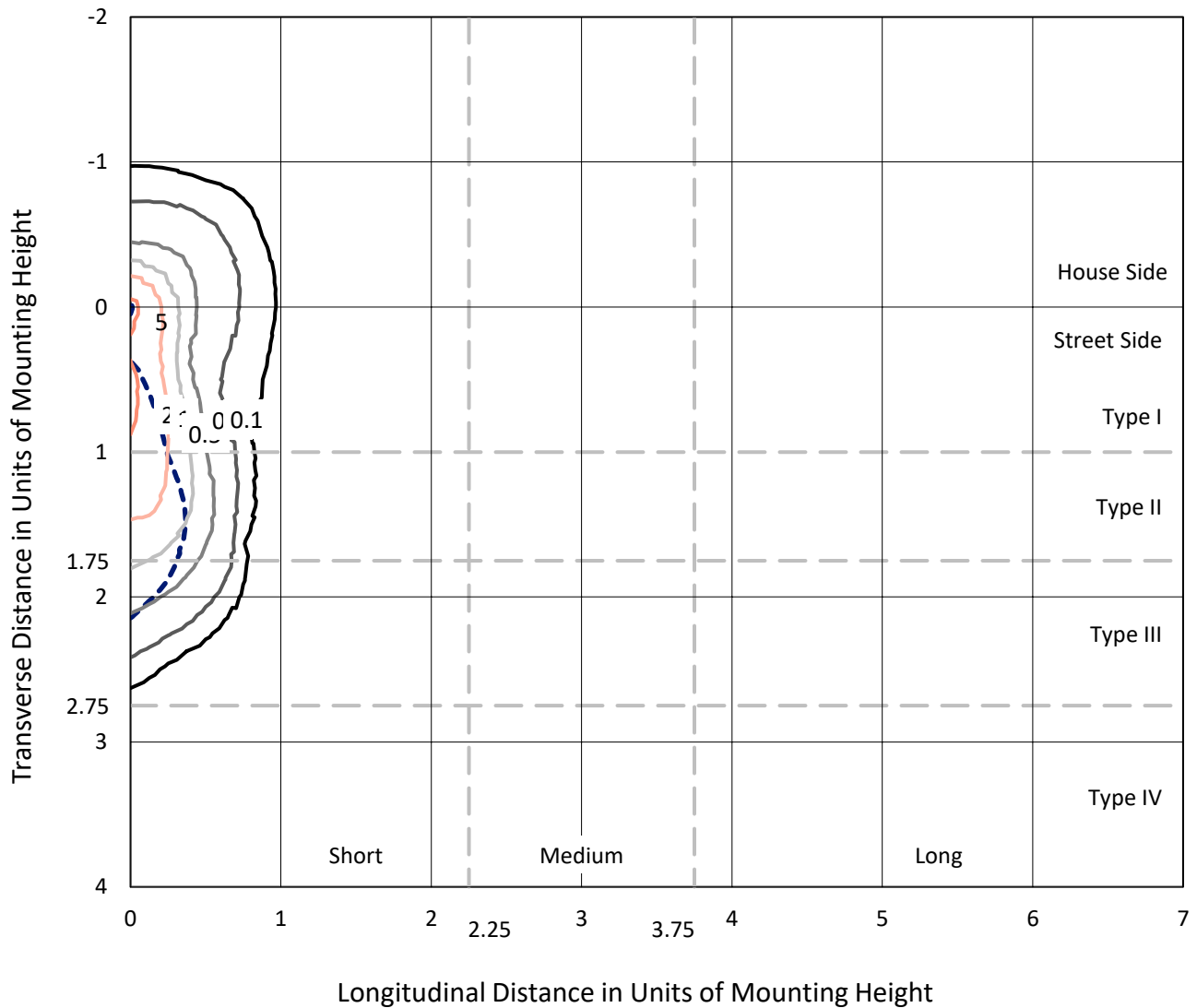
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

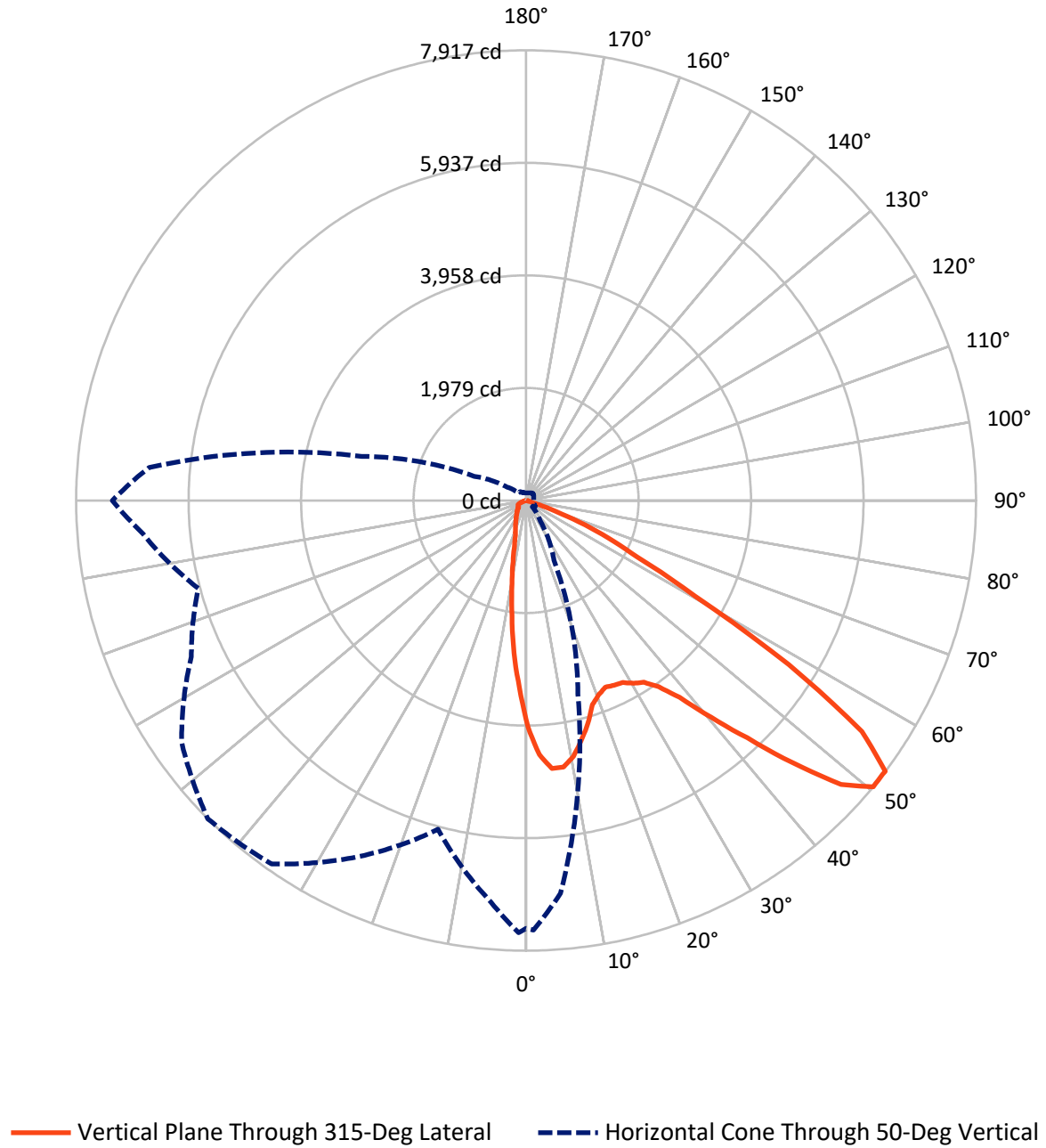
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	1573.0	0.0	1573.0
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	6280.1	0.0	6280.1
	% Fixture	80.0	0.0	80.0
Total	Lumens	7853.0	0.0	7853.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.3	3.7
10°-20°	576.9	7.3
20°-30°	866.7	11.0
30°-40°	1300.9	16.6
40°-50°	1828.3	23.3
50°-60°	1972.2	25.1
60°-70°	915.7	11.7
70°-80°	86.2	1.1
80°-90°	15.9	0.2
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°	7853.0	100.0
0°-180°	7853.0	100.0

Coefficient of Utilization



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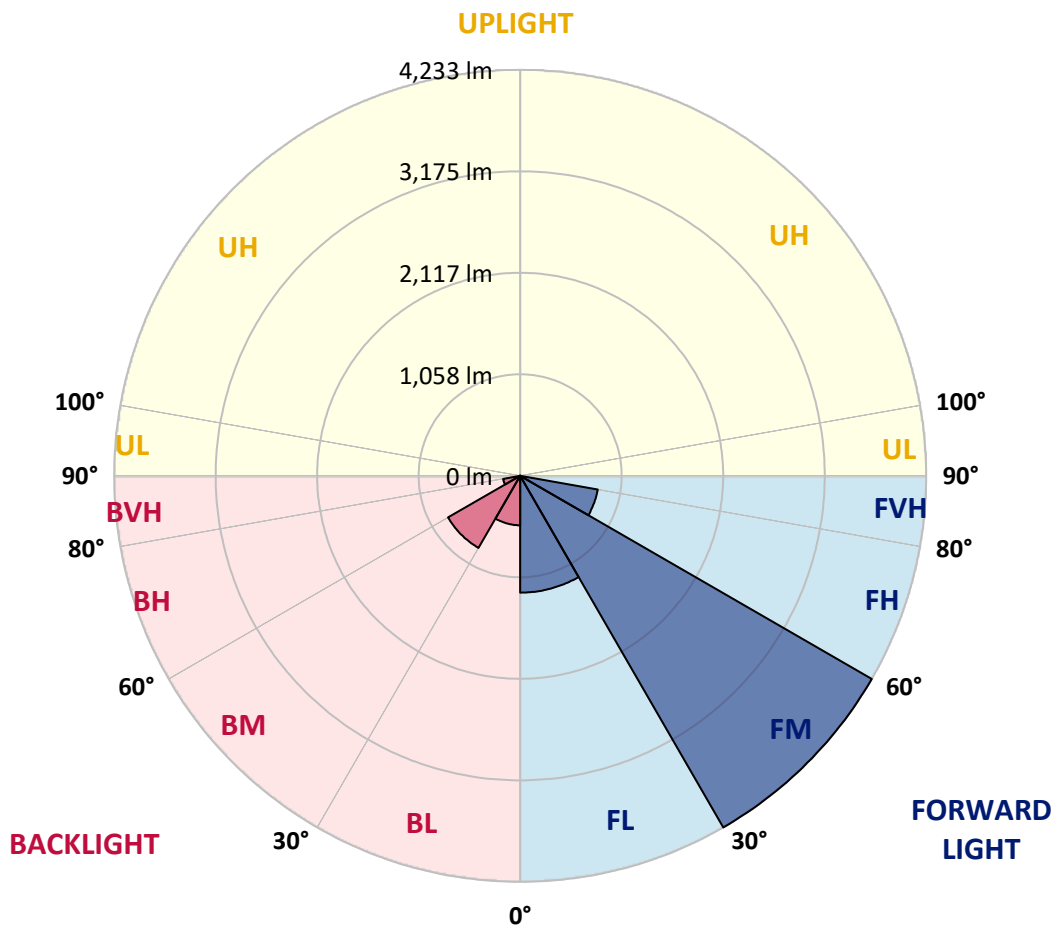
CATALOG NUMBER: GALN-SA3B-727-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1218.3	15.5			
FM (30°-60°)	4233.4	53.9			
FH (60°-80°)	821.2	10.5			G1/1800
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	515.6	6.6	B2/1000		
BM (30°-60°)	868.0	11.1	B1/1000		
BH (60°-80°)	180.6	2.3	B1/500		G1/500
BVH (80°-90°)	8.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5
2.5°	4139.8	4075.9	3994.9	3927.9	3828.2	3627.2	3572.7	3507.2	3452.7	3379.5	3276.6
5°	3764.3	3744.1	3706.7	3454.3	3272.0	3028.9	2829.5	2745.3	2634.7	2544.4	2478.9
7.5°	3477.6	3396.6	3278.2	3024.2	2732.9	2472.7	2251.4	2122.1	1975.6	1925.8	1837.0
10°	3170.7	3189.4	3014.9	2658.1	2306.0	2095.6	1958.5	1833.9	1701.4	1614.2	1488.0
12.5°	3072.5	3011.8	2877.8	2436.8	2136.1	1939.8	1773.1	1618.8	1478.6	1338.4	1216.9
15°	3136.4	3042.9	2856.0	2390.1	2005.3	1760.6	1551.9	1343.1	1213.7	1034.6	908.4
17.5°	3365.5	3290.7	3039.8	2440.0	1938.3	1589.2	1279.2	1064.2	866.3	704.3	640.4
20°	3747.2	3641.2	3326.5	2503.8	1838.5	1382.0	1037.7	772.8	585.8	517.3	481.4
22.5°	4121.1	4063.5	3666.2	2626.9	1749.7	1198.2	779.0	520.4	437.8	425.4	402.0
25°	4833.2	4660.2	4185.0	2849.7	1681.2	1025.2	587.4	419.1	370.8	361.5	364.6
27.5°	5257.0	5112.1	4664.9	2997.8	1604.8	892.8	497.0	384.8	352.1	331.9	324.1
30°	5663.6	5495.4	4903.3	3085.0	1441.2	752.6	440.9	369.3	361.5	331.9	322.5
32.5°	5976.8	5811.7	5247.6	3215.9	1374.2	662.2	363.0	288.2	268.0	264.9	292.9
35°	6456.7	6280.6	5542.1	3287.6	1322.8	615.4	314.7	257.1	233.7	224.4	225.9
37.5°	6903.9	6783.9	5814.8	3315.6	1268.3	601.4	282.0	230.6	210.3	204.1	202.6
40°	7277.8	7009.8	6073.4	3345.2	1244.9	574.9	261.8	210.3	196.3	187.0	187.0
42.5°	7449.2	7176.5	6363.2	3328.1	1238.7	532.9	261.8	193.2	182.3	172.9	171.4
45°	7411.8	7301.2	6492.5	3320.3	1238.7	490.8	238.4	188.5	172.9	160.5	157.4
47.5°	7508.4	7363.5	6654.6	3353.0	1213.7	461.2	201.0	197.9	163.6	148.0	144.9
50°	7525.5	7553.6	6936.6	3522.8	1159.2	423.8	157.4	194.8	157.4	134.0	130.9
52°	7637.7	7463.2	7022.3	3613.2	1101.6	395.8	132.4	166.7	151.1	124.6	121.5
52.5°	7483.5	7597.2	7042.5	3645.9	1107.8	377.1	127.8	163.6	148.0	124.6	116.9
55°	7310.5	7419.6	6960.0	3716.0	1015.9	296.0	99.7	118.4	134.0	109.1	104.4
57.5°	6353.9	6464.5	6048.5	3402.9	827.3	208.8	82.6	88.8	118.4	101.3	96.6
60°	5648.1	5568.6	5076.2	2838.8	587.4	116.9	65.4	68.6	129.3	93.5	91.9
62.5°	5161.9	4992.1	4242.7	2192.2	358.4	77.9	51.4	53.0	99.7	87.3	87.3
65°	3818.9	3628.8	2818.6	1325.9	176.1	54.5	39.0	42.1	62.3	74.8	74.8
67.5°	2179.8	2106.5	1361.8	598.3	73.2	34.3	29.6	32.7	48.3	60.8	57.6
70°	1001.8	899.0	523.5	126.2	34.3	23.4	23.4	26.5	39.0	45.2	42.1
72.5°	292.9	277.3	127.8	20.3	14.0	14.0	15.6	20.3	29.6	34.3	31.2
75°	21.8	14.0	9.3	6.2	6.2	9.3	12.5	20.3	29.6	32.7	26.5
77.5°	1.6	3.1	1.6	1.6	4.7	9.3	14.0	24.9	39.0	40.5	29.6
80°	1.6	1.6	0.0	1.6	4.7	9.3	15.6	28.0	43.6	46.7	24.9
82.5°	0.0	0.0	0.0	1.6	6.2	12.5	18.7	29.6	40.5	49.9	26.5
85°	0.0	0.0	0.0	1.6	9.3	17.1	21.8	7.8	4.7	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°	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5
2.5°	3349.9	3309.4	3293.8	3307.8	3303.1	3298.5	3384.2	3365.5	3362.3	3390.4	3384.2
5°	2514.7	2443.1	2639.4	2559.9	2642.5	2692.4	2701.7	2706.4	2764.0	2703.3	2782.7
7.5°	1791.8	1810.5	1808.9	1861.9	1957.0	2041.1	2090.9	2052.0	2048.9	2041.1	2006.8
10°	1431.9	1399.2	1392.9	1380.5	1410.1	1481.7	1542.5	1494.2	1459.9	1506.7	1492.6
12.5°	1170.1	1124.9	1100.0	1050.1	1051.7	1100.0	1100.0	1100.0	1134.3	1160.8	1181.0
15°	897.5	860.1	860.1	810.2	799.3	800.9	825.8	828.9	883.4	899.0	906.8
17.5°	627.9	607.7	631.0	651.3	638.8	641.9	651.3	654.4	662.2	656.0	671.5
20°	483.0	479.9	486.1	522.0	548.4	564.0	553.1	537.5	528.2	506.4	506.4
22.5°	409.8	416.0	426.9	456.5	490.8	500.1	487.7	451.8	423.8	420.7	422.2
25°	364.6	370.8	388.0	406.7	425.4	440.9	428.5	402.0	386.4	372.4	372.4
27.5°	336.5	339.7	349.0	363.0	378.6	391.1	386.4	372.4	355.2	349.0	335.0
30°	314.7	319.4	330.3	333.4	347.5	353.7	345.9	342.8	331.9	324.1	319.4
32.5°	303.8	302.3	310.1	313.2	314.7	319.4	310.1	314.7	313.2	300.7	296.0
35°	229.0	241.5	261.8	278.9	283.6	289.8	288.2	282.0	264.9	250.9	233.7
37.5°	205.7	213.5	224.4	238.4	257.1	264.9	261.8	246.2	225.9	216.6	213.5
40°	190.1	194.8	204.1	213.5	232.2	246.2	235.3	221.2	205.7	197.9	193.2
42.5°	176.1	177.6	182.3	191.6	205.7	227.5	208.8	190.1	183.9	179.2	176.1
45°	160.5	160.5	166.7	171.4	187.0	207.2	188.5	171.4	168.3	165.2	163.6
47.5°	148.0	149.6	152.7	158.9	171.4	185.4	172.9	158.9	151.1	149.6	146.5
50°	132.4	134.0	140.2	146.5	162.0	169.8	162.0	146.5	138.7	134.0	134.0
52°	120.0	124.6	130.9	143.3	154.3	166.7	157.4	140.2	130.9	126.2	123.1
52.5°	118.4	121.5	127.8	141.8	154.3	165.2	155.8	138.7	127.8	124.6	121.5
55°	105.9	110.6	121.5	138.7	152.7	165.2	152.7	137.1	121.5	113.7	110.6
57.5°	101.3	104.4	118.4	140.2	151.1	165.2	152.7	137.1	121.5	107.5	104.4
60°	96.6	102.8	118.4	135.6	149.6	166.7	154.3	135.6	118.4	101.3	101.3
62.5°	91.9	96.6	116.9	132.4	143.3	160.5	148.0	132.4	113.7	96.6	95.0
65°	79.5	87.3	102.8	110.6	123.1	138.7	126.2	115.3	99.7	85.7	84.1
67.5°	60.8	63.9	76.3	85.7	93.5	107.5	101.3	87.3	76.3	65.4	65.4
70°	42.1	45.2	54.5	59.2	67.0	74.8	70.1	59.2	51.4	45.2	43.6
72.5°	29.6	31.2	34.3	37.4	40.5	43.6	42.1	34.3	29.6	28.0	26.5
75°	23.4	26.5	28.0	26.5	24.9	23.4	23.4	20.3	17.1	15.6	15.6
77.5°	23.4	24.9	23.4	20.3	17.1	15.6	14.0	12.5	9.3	7.8	9.3
80°	20.3	20.3	20.3	17.1	15.6	14.0	12.5	10.9	9.3	7.8	7.8
82.5°	21.8	21.8	20.3	17.1	17.1	14.0	14.0	12.5	10.9	7.8	7.8
85°	0.0	0.0	0.0	3.1	7.8	14.0	14.0	12.5	10.9	9.3	9.3
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	7.8	9.3	9.3	9.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5
2.5°	3440.2	3499.5	3611.6	3723.8	3792.4	3873.4	4019.9	4097.8	4199.0	4248.9	4347.1
5°	2771.8	2912.1	2961.9	3089.7	3226.8	3363.9	3582.0	3822.0	4021.4	4158.5	4336.1
7.5°	2022.4	2055.1	2248.3	2334.0	2558.4	2807.7	3105.3	3407.5	3659.9	3884.3	4019.9
10°	1516.0	1636.0	1757.5	1921.1	2101.9	2358.9	2644.1	2977.5	3304.7	3529.1	3700.4
12.5°	1218.4	1313.5	1475.5	1651.6	1874.4	2044.2	2330.9	2661.2	3085.0	3304.7	3530.6
15°	922.4	1043.9	1227.8	1410.1	1645.3	1824.5	2114.3	2530.3	3075.7	3377.9	3572.7
17.5°	684.0	766.6	931.7	1135.8	1375.8	1628.2	2019.3	2516.3	3180.0	3540.0	3741.0
20°	523.5	551.6	656.0	838.2	1098.4	1428.8	1865.0	2577.1	3488.5	3934.2	4138.3
22.5°	423.8	436.3	476.8	603.0	855.4	1254.3	1791.8	2619.1	3836.0	4406.3	4678.9
25°	369.3	366.1	392.6	447.2	668.4	1090.7	1698.3	2778.1	4261.4	4960.9	5205.6
27.5°	336.5	336.5	349.0	388.0	554.7	984.7	1639.1	2891.8	4689.8	5448.6	5581.1
30°	319.4	322.5	358.4	370.8	461.2	858.5	1540.9	3007.1	5099.6	5760.2	5942.5
32.5°	296.0	283.6	275.8	306.9	388.0	744.8	1442.8	3055.4	5431.5	6142.0	6297.8
35°	227.5	221.2	230.6	254.0	333.4	648.2	1333.7	3109.9	5813.2	6584.5	6615.6
37.5°	205.7	204.1	210.3	230.6	280.5	564.0	1255.8	3095.9	6104.6	6950.6	6866.5
40°	190.1	190.1	194.8	211.9	250.9	504.8	1174.8	3083.4	6386.6	7361.9	7115.8
42.5°	177.6	177.6	185.4	196.3	238.4	465.9	1114.0	3066.3	6623.4	7614.4	7262.2
45°	160.5	165.2	177.6	188.5	241.5	439.4	1068.8	3000.9	6704.4	7611.2	7192.1
47.5°	148.0	154.3	166.7	182.3	218.1	431.6	1037.7	2943.2	6676.4	7424.3	6972.4
50°	134.0	141.8	158.9	185.4	185.4	416.0	1005.0	2994.6	6656.1	7279.4	6762.1
52°	124.6	130.9	152.7	180.7	162.0	383.3	984.7	3094.4	6738.7	7260.7	6668.6
52.5°	123.1	127.8	148.0	177.6	154.3	377.1	970.7	3117.7	6765.2	7213.9	6732.5
55°	109.1	115.3	135.6	138.7	126.2	310.1	925.5	3170.7	6634.3	7122.0	6671.7
57.5°	102.8	105.9	120.0	113.7	109.1	233.7	796.2	3088.1	5892.7	6325.8	6207.4
60°	95.0	98.2	112.2	88.8	91.9	163.6	598.3	2681.5	4731.9	5271.0	5484.5
62.5°	91.9	90.4	105.9	71.7	77.9	118.4	422.2	2179.8	3645.9	4339.3	4708.5
65°	81.0	79.5	76.3	60.8	67.0	91.9	252.4	1422.5	2569.3	3282.9	3485.4
67.5°	62.3	65.4	56.1	48.3	56.1	71.7	140.2	637.3	1347.7	1969.4	2133.0
70°	43.6	46.7	45.2	42.1	49.9	59.2	81.0	218.1	557.8	1034.6	1140.5
72.5°	26.5	32.7	34.3	35.8	43.6	51.4	57.6	70.1	148.0	366.1	455.0
75°	15.6	21.8	26.5	31.2	35.8	43.6	48.3	49.9	51.4	68.6	110.6
77.5°	10.9	15.6	23.4	29.6	35.8	43.6	51.4	54.5	51.4	48.3	51.4
80°	9.3	15.6	21.8	28.0	37.4	45.2	51.4	51.4	49.9	43.6	46.7
82.5°	9.3	15.6	23.4	29.6	35.8	43.6	49.9	51.4	46.7	43.6	45.2
85°	10.9	17.1	24.9	31.2	39.0	35.8	32.7	26.5	24.9	20.3	21.8
87.5°	10.9	15.6	15.6	17.1	18.7	18.7	18.7	17.1	14.0	12.5	12.5
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°	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5	3982.5
2.5°	4351.7	4476.4	4471.7	4474.8	4456.1	4329.9	4269.1	4114.9	4158.5	4139.8
5°	4518.4	4641.5	4747.5	4735.0	4591.7	4420.3	4166.3	3926.4	3860.9	3764.3
7.5°	4351.7	4647.8	4745.9	4731.9	4520.0	4300.3	3895.2	3655.3	3541.5	3477.6
10°	4086.9	4429.6	4551.2	4576.1	4432.7	4099.3	3726.9	3342.1	3281.3	3170.7
12.5°	3935.7	4185.0	4259.8	4326.8	4276.9	4027.6	3599.2	3229.9	3145.8	3072.5
15°	3812.6	3960.6	3991.8	4068.2	4097.8	3963.8	3666.2	3351.4	3144.2	3136.4
17.5°	3926.4	3865.6	3751.9	3775.2	3868.7	3965.3	3839.1	3591.4	3390.4	3365.5
20°	4114.9	3846.9	3589.8	3647.5	3725.4	4021.4	4100.9	3926.4	3811.1	3747.2
22.5°	4331.5	3879.6	3538.4	3566.5	3714.5	4147.6	4524.7	4428.1	4213.1	4121.1
25°	4731.9	3970.0	3578.9	3597.6	3800.2	4323.7	4908.0	4979.6	4851.9	4833.2
27.5°	5123.0	4203.7	3667.7	3625.7	3843.8	4495.1	5140.1	5525.0	5300.6	5257.0
30°	5322.4	4393.8	3800.2	3728.5	4024.5	4599.5	5280.3	5880.2	5683.9	5663.6
32.5°	5627.8	4566.7	3903.0	3811.1	4125.8	4728.8	5542.1	6268.2	6078.1	5976.8
35°	5755.6	4755.3	4128.9	4021.4	4415.6	4909.5	5676.1	6614.1	6554.9	6456.7
37.5°	6001.7	4957.8	4395.4	4389.1	4766.2	5144.8	5917.6	7084.6	7073.7	6903.9
40°	6022.0	5179.1	4816.0	5012.4	5308.4	5554.6	6129.5	7215.5	7393.1	7277.8
42.5°	6053.2	5567.0	5543.7	5705.7	5959.7	5906.7	6137.3	7246.6	7517.8	7449.2
45°	6067.2	5955.0	6283.7	6582.9	6688.9	6367.9	6064.1	7187.4	7583.2	7411.8
47.5°	5955.0	6288.4	6882.1	7460.1	7491.3	6651.5	6032.9	7126.7	7622.1	7508.4
50°	5970.6	6497.2	7399.3	7916.6	7802.9	6902.3	5984.6	7089.3	7601.9	7525.5
52°	5933.2	6501.9	7472.6	7907.3	7827.8	6763.6	5902.0	6945.9	7583.2	7637.7
52.5°	5975.2	6473.8	7396.2	7913.5	7810.7	6832.2	5891.1	7025.4	7594.1	7483.5
55°	5830.3	6140.4	6949.1	7168.7	7153.2	6201.2	5556.1	6762.1	7309.0	7310.5
57.5°	5269.4	5322.4	5450.2	5445.5	5373.8	4875.2	4752.2	6218.3	6515.9	6353.9
60°	4643.1	3896.8	3552.4	3412.2	3332.7	3251.7	4203.7	5688.6	5716.6	5648.1
62.5°	4012.1	2701.7	2243.6	2204.7	2223.4	2519.4	4063.5	5478.2	5309.9	5161.9
65°	3237.7	1969.4	1629.8	1578.3	1760.6	2080.0	3289.1	4200.6	3942.0	3818.9
67.5°	2033.3	1436.6	1101.6	1005.0	1224.7	1431.9	2161.1	2639.4	2349.6	2179.8
70°	1206.0	802.4	498.6	447.2	503.3	763.5	1210.6	1316.6	1089.1	1001.8
72.5°	475.2	294.5	138.7	118.4	123.1	268.0	445.6	434.7	328.8	292.9
75°	127.8	88.8	48.3	39.0	32.7	49.9	71.7	46.7	17.1	21.8
77.5°	59.2	53.0	42.1	32.7	24.9	18.7	9.3	3.1	3.1	1.6
80°	51.4	45.2	39.0	32.7	24.9	15.6	7.8	1.6	1.6	1.6
82.5°	48.3	42.1	35.8	29.6	23.4	15.6	7.8	1.6	0.0	0.0
85°	20.3	26.5	29.6	28.0	24.9	15.6	7.8	1.6	0.0	0.0
87.5°	10.9	9.3	7.8	6.2	4.7	3.1	3.1	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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