

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: P531280

Luminaire Tested: **GALN-SA6C-740-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-740-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31049 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

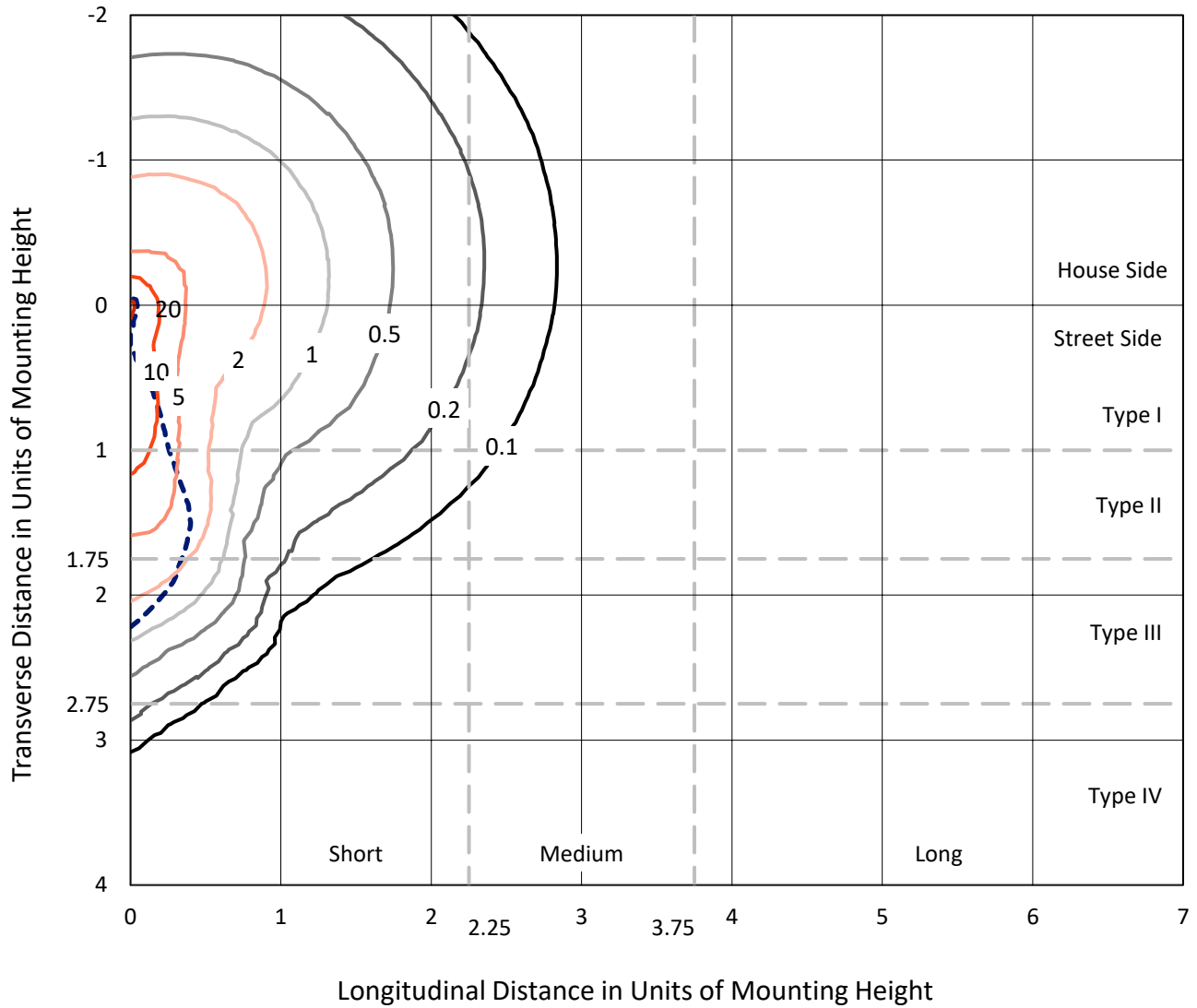
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

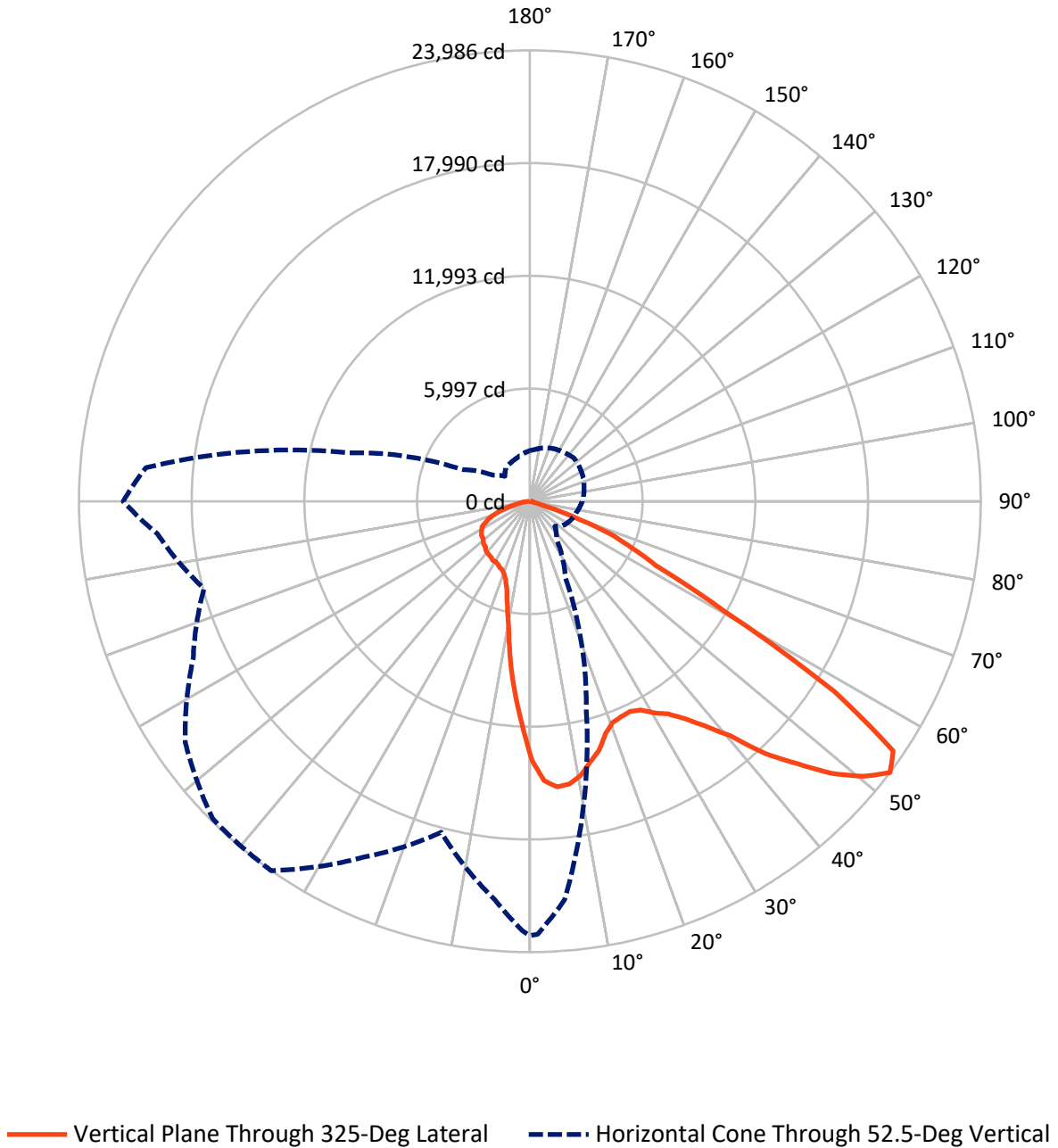
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22 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	9360.0	0.0	9360.0
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	21689.0	0.0	21689.0
	% Fixture	69.9	0.0	69.9
Total	Lumens	31049.0	0.0	31049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1051.3	3.4
10°-20°	2279.0	7.3
20°-30°	3443.4	11.1
30°-40°	4975.9	16.0
40°-50°	6622.0	21.3
50°-60°	7406.8	23.9
60°-70°	4174.4	13.4
70°-80°	930.5	3.0
80°-90°	165.7	0.5
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°	31049.0	100.0
0°-180°	31049.0	100.0

Coefficient of Utilization



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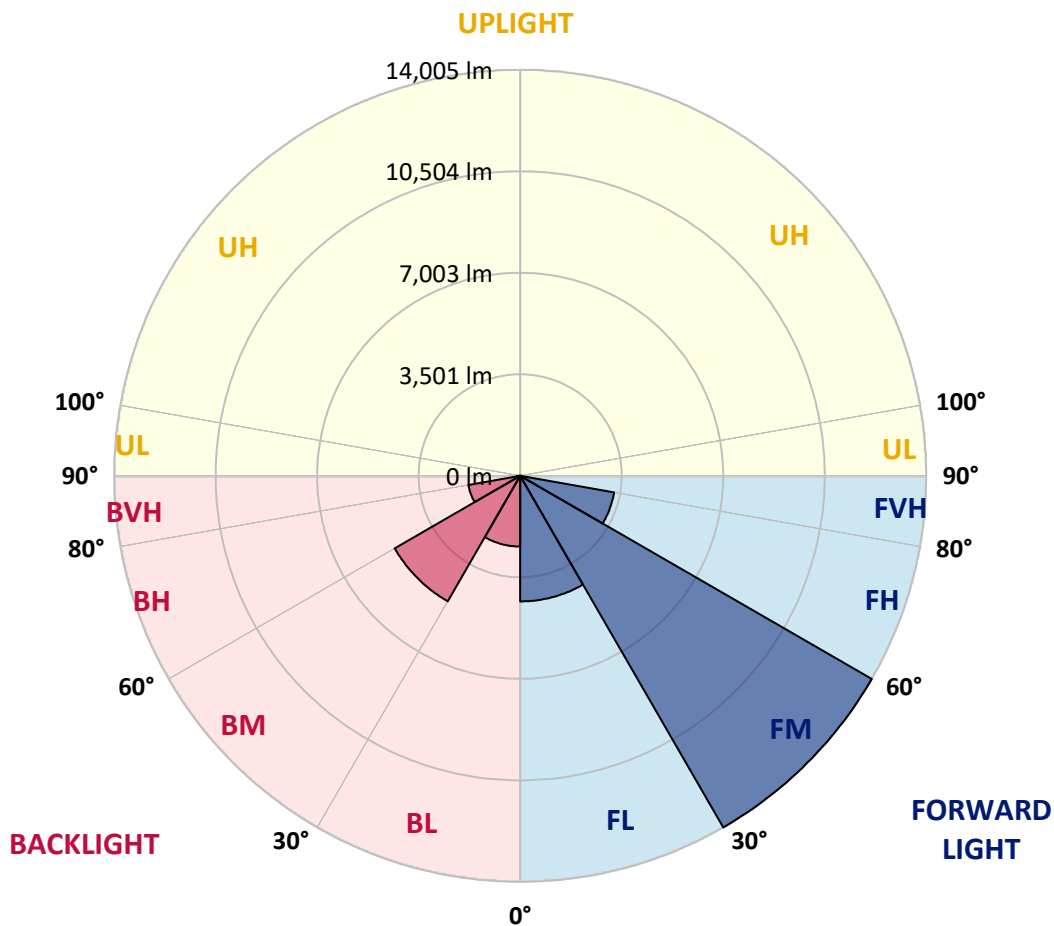
CATALOG NUMBER: GALN-SA6C-740-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4332.8	14.0			
FM (30°-60°)	14005.5	45.1			
FH (60°-80°)	3290.7	10.6			G2/5000
FVH (80°-90°)	60.0	0.2			G1/100
BL (0°-30°)	2440.9	7.9	B3/2500		
BM (30°-60°)	4999.2	16.1	B3/5000		
BH (60°-80°)	1814.2	5.8	B3/2500		G3/2500
BVH (80°-90°)	105.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7
2.5°	14009.2	14234.3	13991.2	13559.2	13253.2	12974.2	12681.7	12623.2	12240.7	12173.2	11894.1
5°	13212.7	13163.2	12866.2	12299.2	11673.6	11106.6	10688.1	10283.1	10008.5	9689.0	9666.5
7.5°	12245.2	11957.1	11786.1	10926.6	10152.5	9261.5	8879.0	8262.4	8068.9	7780.9	7632.4
10°	11381.1	11169.6	10769.1	9909.5	8829.5	8239.9	7830.4	7497.4	7272.4	6975.4	6601.9
12.5°	10953.6	10868.1	10418.1	9086.0	8284.9	7654.9	7366.9	7042.9	6660.4	6183.3	5998.8
15°	11030.1	10742.1	10400.1	8928.5	7821.4	7213.9	6754.9	6349.8	5859.3	5404.8	5139.3
17.5°	11601.6	11381.1	10697.1	9027.5	7645.9	6768.4	5935.8	5337.3	4896.3	4486.7	4302.2
20°	12726.7	12407.2	11637.6	9153.5	7267.9	6147.3	5193.3	4455.2	3982.7	3766.7	3703.7
22.5°	13973.2	13784.2	12555.7	9437.0	6966.4	5571.3	4405.7	3667.7	3492.2	3433.7	3550.7
25°	15489.8	14999.3	13982.2	9900.5	6732.4	5080.8	3739.7	3330.2	3240.2	3298.7	3433.7
27.5°	16641.9	16511.4	14981.3	10337.1	6412.8	4491.2	3366.2	3096.2	3123.2	3181.7	3307.7
30°	18010.0	17348.4	15948.9	10638.6	6124.8	4086.2	3105.2	3033.2	3060.2	3159.2	3222.2
32.5°	18833.5	18586.0	16556.4	11093.1	5791.8	3735.2	2902.7	2835.2	2875.7	3024.2	3172.7
35°	19882.1	19391.5	17307.9	11210.1	5557.8	3595.7	2758.6	2709.1	2803.6	2907.2	3073.7
37.5°	21106.1	20768.6	18347.5	11129.1	5431.8	3451.7	2637.1	2614.6	2682.1	2826.2	3019.7
40°	21830.7	21727.2	18892.0	11178.6	5233.8	3325.7	2497.6	2524.6	2664.1	2776.6	2965.7
42.5°	22528.2	21853.2	19697.6	11160.6	5107.8	3154.7	2511.1	2479.6	2587.6	2718.1	2898.2
45°	22681.2	22010.7	19886.6	11034.6	4954.8	2988.2	2407.6	2421.1	2551.6	2713.6	2830.7
47.5°	22582.2	22087.2	20237.6	10998.6	4810.8	2871.2	2254.6	2416.6	2493.1	2623.6	2790.1
50°	22514.7	22487.7	20534.6	11169.6	4617.2	2686.6	2070.1	2358.1	2434.6	2565.1	2745.1
52.5°	23108.7	23050.2	21277.1	11619.6	4464.2	2488.6	1881.1	2209.6	2394.1	2520.1	2695.6
55°	23468.8	23212.2	22550.7	12173.2	4207.7	2227.6	1750.6	2025.1	2295.1	2407.6	2587.6
57.5°	21110.6	20935.1	20399.6	11363.1	3775.7	1885.6	1588.6	1836.1	2160.1	2335.6	2520.1
60°	17564.4	17289.9	15917.4	9657.5	2785.6	1467.1	1489.6	1687.6	2124.1	2191.6	2407.6
62.5°	16560.9	15881.3	14013.7	7771.9	2137.6	1260.1	1336.6	1552.6	1935.1	2047.6	2263.6
65°	13140.7	12636.7	10026.5	5611.8	1431.1	1093.6	1219.6	1399.6	1669.6	1890.1	2088.1
67.5°	8226.4	7744.9	5350.8	2655.1	999.1	936.1	1089.1	1278.1	1498.6	1696.6	1917.1
70°	4297.7	3771.2	2470.6	958.6	688.5	765.0	909.0	1089.1	1305.1	1467.1	1638.1
72.5°	1602.1	1300.6	805.5	414.0	477.0	585.0	738.0	868.5	1021.6	1219.6	1314.1
75°	247.5	211.5	207.0	252.0	324.0	423.0	526.5	657.0	792.0	918.0	981.1
77.5°	117.0	112.5	126.0	166.5	216.0	301.5	382.5	508.5	616.5	697.5	733.5
80°	76.5	72.0	81.0	112.5	162.0	225.0	306.0	391.5	490.5	558.0	549.0
82.5°	45.0	49.5	49.5	76.5	112.5	162.0	220.5	297.0	364.5	423.0	387.0
85°	27.0	22.5	22.5	45.0	76.5	130.5	184.5	126.0	130.5	130.5	148.5
87.5°	9.0	9.0	9.0	4.5	9.0	9.0	13.5	22.5	27.0	31.5	40.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7
2.5°	11885.1	12024.6	11975.1	11799.6	11934.6	11957.1	11867.1	12177.7	12236.2	12141.6	12168.7
5°	9635.0	9671.0	9752.0	9923.0	10044.5	10188.5	10188.5	10197.5	10076.0	10382.1	10292.1
7.5°	7506.4	7528.9	7623.4	7987.9	8091.4	8365.9	8483.0	8401.9	8158.9	8055.4	8140.9
10°	6480.3	6349.8	6318.3	6363.3	6597.4	6714.4	6813.4	6786.4	6745.9	6664.9	6574.9
12.5°	5796.3	5701.8	5625.3	5517.3	5530.8	5643.3	5719.8	5656.8	5674.8	5692.8	5719.8
15°	5053.8	4986.3	4945.8	4783.8	4765.8	4842.3	4869.3	4905.3	4972.8	4977.3	4945.8
17.5°	4266.2	4207.7	4297.7	4387.7	4324.7	4329.2	4378.7	4410.2	4392.2	4311.2	4270.7
20°	3726.2	3789.2	3879.2	3964.7	4032.2	4072.7	4090.7	4041.2	3982.7	3816.2	3811.7
22.5°	3568.7	3649.7	3726.2	3856.7	3919.7	4023.2	3928.7	3816.2	3735.2	3654.2	3559.7
25°	3451.7	3519.2	3672.2	3721.7	3843.2	3928.7	3861.2	3748.7	3609.2	3492.2	3420.2
27.5°	3366.2	3442.7	3541.7	3676.7	3771.2	3820.7	3753.2	3708.2	3564.2	3424.7	3321.2
30°	3312.2	3393.2	3573.2	3685.7	3766.7	3807.2	3690.2	3636.2	3532.7	3415.7	3325.7
32.5°	3276.2	3348.2	3501.2	3645.2	3699.2	3699.2	3717.2	3654.2	3510.2	3312.2	3235.7
35°	3159.2	3258.2	3384.2	3550.7	3649.7	3708.2	3618.2	3546.2	3451.7	3249.2	3109.7
37.5°	3091.7	3159.2	3321.2	3478.7	3564.2	3627.2	3591.2	3465.2	3339.2	3172.7	3060.2
40°	3019.7	3127.7	3271.7	3420.2	3514.7	3577.7	3550.7	3402.2	3249.2	3091.7	3015.2
42.5°	2970.2	3042.2	3190.7	3357.2	3469.7	3591.2	3510.2	3325.7	3217.7	3001.7	2916.2
45°	2929.7	3046.7	3204.2	3271.7	3388.7	3514.7	3370.7	3258.2	3132.2	2974.7	2902.7
47.5°	2880.2	2988.2	3091.7	3271.7	3325.7	3384.2	3357.2	3177.2	3069.2	2898.2	2848.7
50°	2862.2	2902.7	3091.7	3190.7	3267.2	3325.7	3253.7	3118.7	3015.2	2839.7	2731.6
52.5°	2790.1	2866.7	2988.2	3118.7	3213.2	3285.2	3168.2	3082.7	2943.2	2758.6	2691.1
55°	2700.1	2745.1	2961.2	3096.2	3145.7	3195.2	3150.2	3010.7	2866.7	2677.6	2610.1
57.5°	2583.1	2686.6	2862.2	3051.2	3114.2	3141.2	3069.2	2956.7	2776.6	2610.1	2502.1
60°	2461.6	2569.6	2763.1	2916.2	2979.2	3078.2	2970.2	2902.7	2695.6	2511.1	2394.1
62.5°	2340.1	2461.6	2605.6	2799.1	2853.2	2893.7	2866.7	2772.1	2605.6	2398.6	2254.6
65°	2196.1	2286.1	2466.1	2565.1	2601.1	2695.6	2601.1	2565.1	2416.6	2218.6	2097.1
67.5°	1980.1	2056.6	2214.1	2308.6	2335.6	2376.1	2371.6	2331.1	2164.6	2029.6	1921.6
70°	1732.6	1800.1	1899.1	2011.6	2025.1	2074.6	2029.6	2020.6	1912.6	1728.1	1669.6
72.5°	1390.6	1453.6	1584.1	1633.6	1638.1	1656.1	1633.6	1602.1	1575.1	1381.6	1323.1
75°	1066.6	1102.6	1165.6	1210.6	1210.6	1233.1	1219.6	1188.1	1116.1	994.6	936.1
77.5°	742.5	778.5	859.5	886.5	882.0	891.0	850.5	819.0	711.0	648.0	598.5
80°	540.0	562.5	603.0	621.0	625.5	639.0	589.5	562.5	499.5	427.5	405.0
82.5°	391.5	405.0	409.5	432.0	432.0	409.5	396.0	369.0	324.0	279.0	261.0
85°	162.0	166.5	171.0	198.0	202.5	243.0	225.0	211.5	184.5	157.5	144.0
87.5°	40.5	45.0	58.5	49.5	58.5	58.5	63.0	72.0	72.0	58.5	58.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7
2.5°	12272.2	12308.2	12767.2	12825.7	13050.7	13280.2	13743.7	14076.8	14346.8	14522.3	14571.8
5°	10386.6	10616.1	10827.6	11169.6	11480.1	11921.1	12429.7	13059.7	13851.7	14256.8	14418.8
7.5°	8131.9	8401.9	8708.0	9041.0	9495.5	10287.6	10967.1	11696.1	12708.7	13127.2	13761.7
10°	6637.9	6939.4	7344.4	7600.9	8149.9	8906.0	9698.0	10539.6	11507.1	12110.1	12843.7
12.5°	5868.3	6115.8	6489.3	7029.4	7438.9	7929.4	8519.0	9581.0	10967.1	11538.6	12042.6
15°	5017.8	5292.3	5724.3	6322.8	6813.4	7398.4	8059.9	9216.5	10692.6	11574.6	12002.1
17.5°	4315.7	4513.7	4968.3	5485.8	6048.3	6687.4	7636.9	9198.5	10980.6	12110.1	12807.7
20°	3829.7	3856.7	4104.2	4545.2	5310.3	6142.8	7375.9	9108.5	11903.1	13032.7	13914.7
22.5°	3523.7	3496.7	3501.2	3874.7	4410.2	5607.3	6966.4	9414.5	12951.7	14499.8	15093.8
25°	3370.7	3298.7	3253.7	3334.7	3820.7	4972.8	6655.9	9819.5	14081.3	15710.3	16439.4
27.5°	3289.7	3163.7	3073.7	3087.2	3442.7	4653.2	6462.3	9995.0	15201.8	17397.9	17654.4
30°	3258.2	3100.7	2970.2	2925.2	3159.2	4207.7	6048.3	10296.6	16205.4	18325.0	18545.5
32.5°	3145.7	2952.2	2826.2	2785.6	2880.2	3816.2	5751.3	10512.6	17091.9	19333.0	19256.5
35°	3015.2	2853.2	2695.6	2619.1	2686.6	3564.2	5512.8	10409.1	18136.0	20116.1	20075.6
37.5°	3001.7	2790.1	2659.6	2533.6	2529.1	3253.7	5188.8	10508.1	18802.0	21520.2	20966.6
40°	2884.7	2749.6	2578.6	2475.1	2416.6	3096.2	4873.8	10274.0	19778.6	22087.2	21542.7
42.5°	2889.2	2686.6	2538.1	2416.6	2358.1	2866.7	4657.7	10211.0	20120.6	23009.7	21812.7
45°	2817.2	2619.1	2493.1	2349.1	2317.6	2691.1	4450.7	9918.5	20723.6	23054.7	21475.1
47.5°	2745.1	2569.6	2434.6	2263.6	2191.6	2628.1	4288.7	9675.5	20408.6	22631.7	21007.1
50°	2695.6	2493.1	2367.1	2245.6	2043.1	2520.1	4077.2	9617.0	19967.6	22060.2	20138.6
52.5°	2610.1	2430.1	2299.6	2205.1	1881.1	2421.1	3996.2	9959.0	20507.6	21632.7	19886.6
55°	2529.1	2344.6	2178.1	1993.6	1746.1	2160.1	3771.2	10278.5	21295.1	22618.2	21029.6
57.5°	2443.6	2268.1	2088.1	1867.6	1615.6	1890.1	3537.2	10337.1	19819.1	20903.6	19963.1
60°	2331.1	2106.1	1971.1	1683.1	1476.1	1566.1	2803.6	9113.0	15372.8	17456.4	17487.9
62.5°	2205.1	1962.1	1845.1	1507.6	1332.1	1350.1	2286.1	7659.4	12470.2	14450.3	15309.8
65°	2038.6	1804.6	1665.1	1395.1	1228.6	1170.1	1674.1	5611.8	9473.0	11723.1	12699.7
67.5°	1822.6	1602.1	1426.6	1215.1	1098.1	1003.6	1143.1	3159.2	5593.8	7870.9	8167.9
70°	1593.1	1404.1	1219.6	1044.1	913.5	846.0	837.0	1399.6	2673.1	4234.7	4819.8
72.5°	1255.6	1120.6	972.1	841.5	756.0	657.0	598.5	580.5	904.5	1723.6	2380.6
75°	900.0	787.5	702.0	616.5	553.5	499.5	454.5	414.0	378.0	432.0	594.0
77.5°	567.0	526.5	459.0	436.5	400.5	387.0	369.0	346.5	319.5	301.5	301.5
80°	382.5	355.5	333.0	328.5	315.0	310.5	315.0	292.5	265.5	243.0	252.0
82.5°	256.5	252.0	247.5	243.0	247.5	252.0	261.0	256.5	234.0	220.5	225.0
85°	153.0	162.0	171.0	180.0	198.0	175.5	144.0	121.5	108.0	99.0	94.5
87.5°	58.5	81.0	72.0	67.5	72.0	67.5	63.0	58.5	49.5	45.0	45.0
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°	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7	13779.7
2.5°	14900.3	14990.3	15066.8	15048.8	14891.3	14679.8	14594.3	14157.8	14067.8	14009.2
5°	15102.8	15624.8	15737.3	15669.8	15260.3	14742.8	14238.8	13599.7	13226.2	13212.7
7.5°	14729.3	15372.8	15575.3	15728.3	15183.8	14283.8	13419.7	12461.2	12227.2	12245.2
10°	13779.7	14805.8	15305.3	15462.8	14837.3	14058.8	12861.7	11889.6	11390.1	11381.1
12.5°	13253.2	14058.8	14198.3	14418.8	14234.3	13446.7	12537.7	11448.6	10962.6	10953.6
15°	12785.2	13316.2	13356.7	13667.2	13766.2	13235.2	12623.2	11462.1	11070.6	11030.1
17.5°	13194.7	12825.7	12672.7	12713.2	13005.7	13199.2	13118.2	12227.2	11826.6	11601.6
20°	13469.2	12645.7	12182.2	12227.2	12573.7	13280.2	13856.2	13334.2	12699.7	12726.7
22.5°	14202.8	12672.7	11948.1	11898.6	12447.7	13703.2	14688.8	14733.8	14121.8	13973.2
25°	15300.8	12983.2	11876.1	11862.6	12389.2	14157.8	15660.8	16389.9	15764.3	15489.8
27.5°	16182.9	13469.2	12101.1	12146.1	12573.7	14526.8	16488.9	17456.4	16979.4	16641.9
30°	16956.9	13973.2	12416.2	12209.2	13068.7	14720.3	16844.4	18671.5	18289.0	18010.0
32.5°	17276.4	14688.8	12915.7	12573.7	13478.2	14954.3	17582.4	19850.6	19522.0	18833.5
35°	17816.5	15089.3	13185.7	13158.7	14193.8	15516.8	17929.0	20629.1	20494.1	19882.1
37.5°	18248.5	15494.3	14144.3	13847.2	15174.8	16461.9	18487.0	21704.7	21394.1	21106.1
40°	18581.5	16218.9	15039.8	15431.3	16380.9	17321.4	19000.0	21772.2	22667.7	21830.7
42.5°	18275.5	16866.9	16511.4	17447.4	18347.5	18302.5	19058.5	22294.2	22964.7	22528.2
45°	18199.0	17965.0	18838.0	19688.6	19895.6	19117.0	18640.0	21718.2	22874.7	22681.2
47.5°	18014.5	19045.0	20566.1	21952.2	21637.2	19661.6	18140.5	21614.7	22928.7	22582.2
50°	17951.5	19279.0	21844.2	23194.2	23005.2	20134.1	17906.5	20948.6	22546.2	22514.7
52.5°	17947.0	19760.6	22375.2	23869.3	23986.3	20881.1	18226.0	21286.1	22843.2	23108.7
55°	18149.5	19607.5	22307.7	23495.8	23450.8	20548.1	18262.0	21511.2	23207.7	23468.8
57.5°	17118.9	17564.4	18410.5	19351.0	19108.0	17019.9	16308.9	19886.6	21299.6	21110.6
60°	14783.3	13388.2	12434.2	12389.2	11916.6	11264.1	13347.7	17748.9	17748.9	17564.4
62.5°	12947.2	8789.0	7551.4	7200.4	7537.9	8289.4	12875.2	17262.9	16772.4	16560.9
65°	11322.6	6709.9	5458.8	5359.8	5944.8	7078.9	11642.1	14706.8	13842.7	13140.7
67.5°	7285.9	4914.3	4059.2	3883.7	4590.2	5197.8	7749.4	9045.5	8501.0	8226.4
70°	4698.3	3199.7	2259.1	2119.6	2394.1	3204.2	4950.3	5274.3	4482.2	4297.7
72.5°	2223.1	1381.6	792.0	652.5	733.5	1224.1	1957.6	2106.1	1750.6	1602.1
75°	706.5	508.5	324.0	279.0	265.5	315.0	450.0	346.5	252.0	247.5
77.5°	315.0	301.5	256.5	216.0	189.0	157.5	130.5	108.0	112.5	117.0
80°	261.0	238.5	211.5	189.0	157.5	121.5	94.5	72.0	72.0	76.5
82.5°	229.5	207.0	184.5	157.5	135.0	99.0	72.0	49.5	45.0	45.0
85°	99.0	117.0	126.0	135.0	108.0	81.0	49.5	31.5	27.0	27.0
87.5°	40.5	36.0	31.5	27.0	22.5	22.5	18.0	13.5	9.0	9.0
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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