

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: P647176

Luminaire Tested: **GALN-SA9C-835-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-835-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 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: 43016.5 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

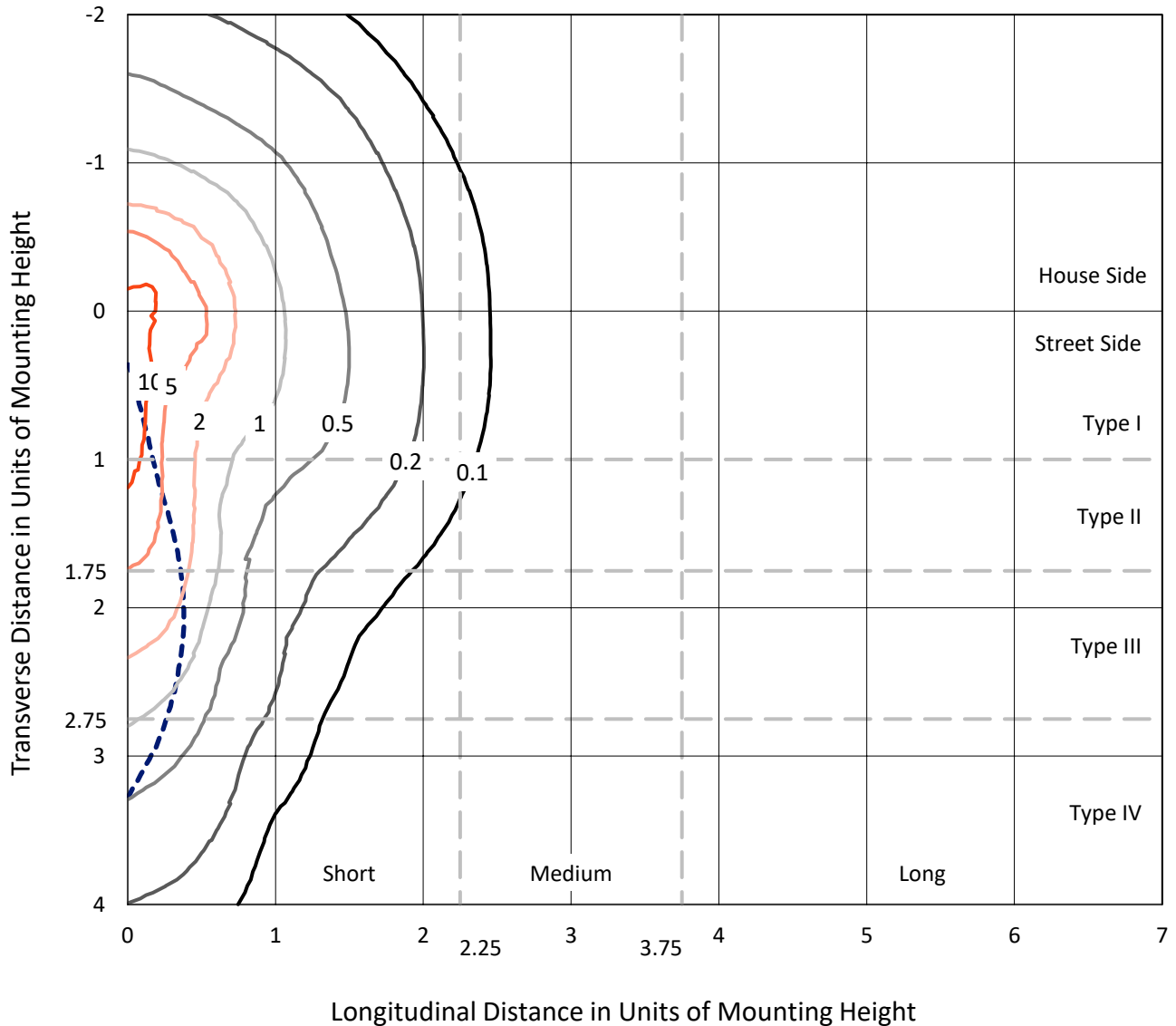
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

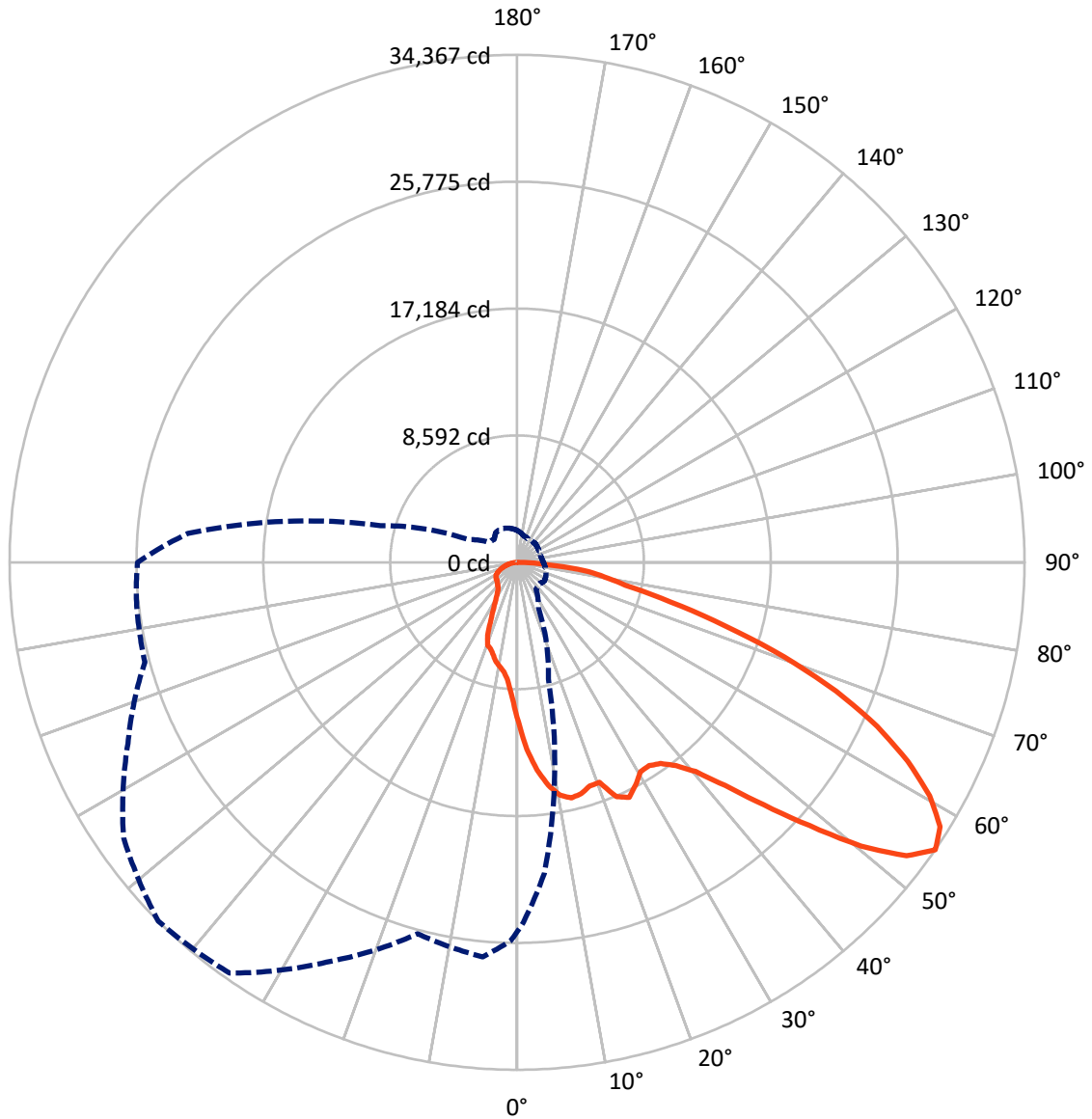
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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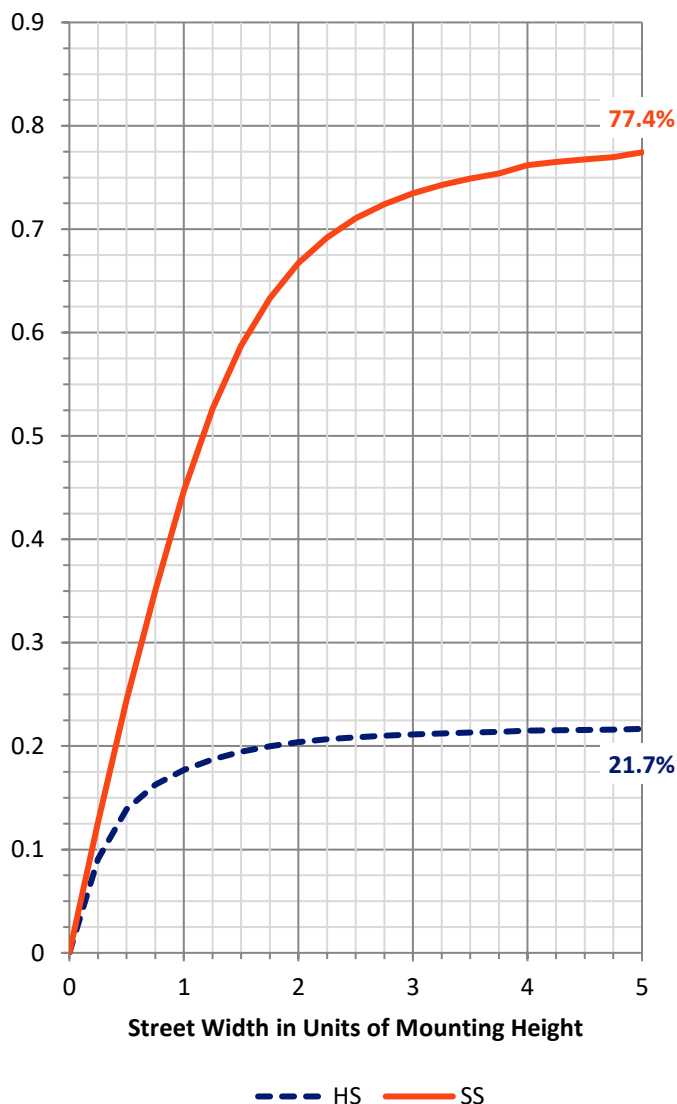
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9409.7	0.0	9409.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	33606.8	0.0	33606.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	43016.5	0.0	43016.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	915.0	2.1
10°-20°	2427.4	5.6
20°-30°	4193.4	9.7
30°-40°	4873.4	11.3
40°-50°	6799.4	15.8
50°-60°	9226.0	21.4
60°-70°	8777.4	20.4
70°-80°	4741.8	11.0
80°-90°	1062.7	2.5
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°	43016.5	100.0
0°-180°	43016.5	100.0

Coefficient of Utilization

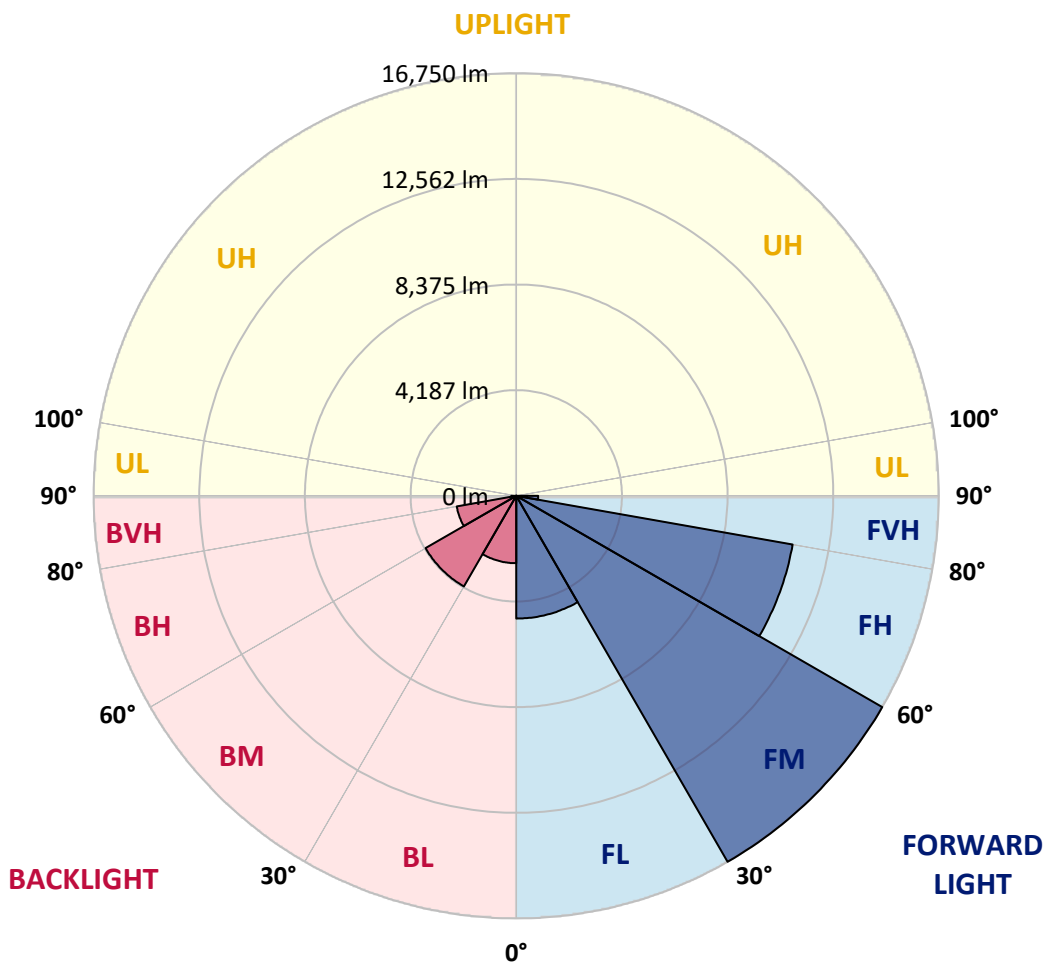


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4865.3	11.3			
FM (30°-60°)	16749.7	38.9			
FH (60°-80°)	11123.3	25.9			G4/12000
FVH (80°-90°)	868.5	2.0			G5
BL (0°-30°)	2670.5	6.2	B4/5000		
BM (30°-60°)	4149.0	9.6	B3/5000		
BH (60°-80°)	2395.9	5.6	B3/2500		G3/2500
BVH (80°-90°)	194.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5
2.5°	11993.1	11947.6	11819.9	11485.0	11147.3	10804.0	10540.0	10210.9	9867.4	9683.0	9447.4
5°	12157.6	12106.6	11805.8	11050.9	10366.9	9648.9	9075.7	8573.4	8369.0	8068.2	7826.9
7.5°	11771.7	11749.0	11297.8	10213.7	9277.1	8337.8	7688.0	7285.0	6918.8	6782.7	6811.0
10°	11419.8	11329.0	10764.2	9348.1	8255.5	7492.1	7026.7	6632.2	6373.9	6305.9	6320.1
12.5°	11127.4	11005.5	10338.6	8766.3	7810.0	7199.8	6606.6	6195.2	5959.6	6024.9	6246.2
15°	11067.9	10903.3	10159.7	8567.7	7565.9	6779.8	6129.9	5656.0	5480.1	5621.9	5976.6
17.5°	11453.9	11246.7	10466.3	8633.0	7333.2	6351.3	5553.8	5011.7	4864.2	5091.2	5553.8
20°	12694.0	12387.5	11422.6	9010.4	7310.5	6138.4	5218.9	4674.0	4736.5	5167.9	5650.3
22.5°	14987.1	14527.3	13097.0	9561.0	7429.7	6084.5	5150.8	4867.0	5210.4	5576.5	5894.3
25°	15441.2	15080.7	13397.8	9685.8	7404.1	6047.6	5343.8	5485.7	5868.8	6050.5	5939.8
27.5°	15696.6	15285.0	13377.9	9067.1	6620.9	5485.7	5108.3	5343.8	5440.3	5264.3	4963.5
30°	16292.5	15864.0	13715.7	8417.2	5451.6	4069.6	3567.3	3470.8	3536.0	3570.1	3462.3
32.5°	17112.6	16689.8	14351.4	7991.6	4713.8	3365.8	2872.0	2735.7	2704.6	2667.7	2625.1
35°	18174.1	17524.2	14975.7	7719.1	4410.1	3113.2	2659.1	2554.1	2511.6	2460.5	2415.1
37.5°	19252.5	18571.4	15764.7	7432.5	4208.6	2937.3	2517.3	2469.0	2395.2	2341.2	2276.0
40°	20399.0	19635.6	16482.6	7182.8	4012.8	2823.7	2415.1	2409.4	2312.9	2250.5	2173.8
42.5°	21392.3	20606.1	17124.0	7029.5	3862.4	2704.6	2352.6	2369.7	2270.3	2176.7	2077.4
45°	22181.2	21409.3	17717.2	7029.5	3740.4	2585.3	2341.2	2329.9	2230.6	2114.3	2000.7
47.5°	22873.6	22076.2	18296.0	7208.3	3663.7	2486.0	2278.8	2298.7	2196.5	2049.0	1938.3
50°	23410.0	22706.2	19076.5	7486.4	3587.2	2406.6	2199.4	2307.3	2168.2	2014.9	1887.2
52.5°	24093.9	23463.9	20015.8	7866.7	3521.9	2318.6	2128.4	2307.3	2165.3	2017.8	1878.7
55°	25041.8	24377.8	21148.2	8181.7	3416.9	2236.2	2066.0	2242.0	2156.9	2003.5	1856.0
57.5°	25705.9	25209.2	21948.5	8391.7	3266.4	2131.2	2009.3	2179.6	2119.9	1949.7	1787.9
58°	25737.1	25251.8	22064.9	8440.0	3229.6	2111.4	1995.1	2151.1	2102.9	1927.0	1765.2
60°	25379.5	24962.4	22087.6	8371.8	3019.6	2012.1	1921.2	2034.8	2012.1	1793.5	1643.1
62.5°	24079.8	23634.2	21170.9	7818.5	2741.4	1890.1	1807.8	1878.7	1827.6	1606.2	1467.2
65°	22232.3	21412.1	19286.5	6950.1	2542.8	1759.5	1654.5	1660.2	1606.2	1447.4	1325.3
67.5°	19771.8	18855.1	16329.4	5857.5	2392.4	1614.8	1472.9	1458.7	1393.4	1291.2	1192.0
70°	16743.8	16116.6	13270.1	4764.9	2224.9	1455.8	1268.5	1260.0	1220.3	1143.6	1055.7
72.5°	13571.0	12773.5	10716.0	3814.1	2020.6	1302.6	1078.4	1095.4	1044.4	990.4	910.9
75°	10015.0	9492.9	8283.9	3059.3	1745.3	1135.2	899.6	905.3	882.6	825.8	763.4
77.5°	6595.4	6439.2	5925.6	2009.3	1342.4	902.5	735.0	740.7	723.6	672.6	607.3
80°	4438.5	4333.5	4015.7	1294.1	896.8	652.7	567.6	573.2	570.4	516.5	428.5
82.5°	2735.7	2690.3	2588.2	874.1	621.5	468.2	374.6	391.7	422.8	363.2	292.3
85°	1291.2	1294.1	1563.7	476.8	366.1	300.8	204.4	218.5	218.5	218.5	164.6
87.5°	167.4	175.9	215.7	201.5	133.3	113.5	73.8	62.4	53.9	70.9	51.1
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°	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5
2.5°	9365.1	9308.4	9186.3	9158.0	9141.0	9189.2	9061.5	9095.6	9038.8	9197.7	9172.1
5°	7841.2	7846.8	7946.2	8011.4	8034.1	8011.4	7926.3	7778.7	7665.3	7619.8	7631.2
7.5°	6757.1	6856.4	7026.7	7216.8	7390.0	7441.0	7392.8	7111.8	6805.4	6612.4	6550.0
10°	6396.6	6530.1	6725.9	6876.3	7029.5	7151.5	7177.1	6958.6	6595.4	6138.4	5959.6
12.5°	6416.5	6598.2	6785.5	6833.7	6819.5	6867.8	6845.1	6808.2	6569.8	5988.0	5690.1
15°	6229.2	6445.0	6575.5	6550.0	6504.5	6461.9	6402.4	6308.7	6223.6	5814.9	5485.7
17.5°	5797.9	6019.2	6127.1	6135.6	6135.6	6124.2	5979.5	5945.5	5934.1	5735.5	5533.9
20°	5877.4	5999.3	5951.1	5871.6	5894.3	5971.0	5885.8	5868.8	5934.1	6022.1	5985.2
22.5°	5922.8	5880.2	5516.9	5165.0	5085.6	5323.9	5372.2	5562.4	5826.2	6144.1	6351.3
25°	5641.7	5298.4	4648.5	4251.2	4027.0	4248.4	4537.8	4889.8	5284.2	5692.9	5934.1
27.5°	4716.6	4455.5	3990.1	3632.6	3436.7	3470.8	3717.7	4038.3	4404.5	4679.8	4855.7
30°	3553.1	3436.7	3195.5	3073.4	2954.3	2925.9	3030.9	3152.9	3314.7	3348.7	3394.1
32.5°	2616.6	2599.6	2613.7	2574.0	2551.3	2548.4	2517.3	2545.6	2562.7	2582.5	2542.8
35°	2366.9	2344.1	2304.4	2293.0	2278.8	2284.6	2270.3	2256.1	2267.5	2284.6	2295.9
37.5°	2239.1	2205.1	2148.3	2128.4	2128.4	2137.0	2114.3	2108.5	2128.4	2182.4	2210.7
40°	2139.8	2100.1	2034.8	2009.3	2026.2	2049.0	2017.8	2006.4	2054.7	2111.4	2156.9
42.5°	2046.1	2014.9	1952.5	1924.1	1938.3	1980.8	1935.5	1927.0	1989.4	2051.9	2105.7
45°	1966.7	1935.5	1878.7	1864.5	1870.2	1909.9	1878.7	1878.7	1938.3	2006.4	2054.7
47.5°	1904.3	1864.5	1827.6	1816.2	1822.0	1844.7	1839.0	1839.0	1895.7	1966.7	2014.9
50°	1841.8	1807.8	1759.5	1765.2	1779.4	1810.6	1807.8	1816.2	1873.0	1961.0	2012.1
52.5°	1813.4	1762.4	1708.4	1714.1	1756.7	1793.5	1782.2	1790.7	1856.0	2020.6	2094.4
55°	1782.2	1714.1	1651.7	1660.2	1708.4	1762.4	1748.1	1759.5	1836.1	2060.3	2162.5
57.5°	1722.6	1643.1	1575.1	1580.7	1651.7	1708.4	1685.7	1699.9	1790.7	2017.8	2125.6
58°	1697.1	1629.0	1563.7	1566.5	1634.7	1697.1	1671.5	1682.9	1776.5	2006.4	2108.5
60°	1589.3	1549.5	1492.7	1495.6	1560.8	1614.8	1600.6	1612.0	1702.8	1924.1	2000.7
62.5°	1441.7	1419.0	1404.8	1404.8	1444.5	1495.6	1509.8	1524.0	1606.2	1739.7	1807.8
65°	1282.7	1282.7	1285.6	1285.6	1311.1	1376.4	1384.9	1421.8	1498.4	1563.7	1614.8
67.5°	1174.9	1169.3	1174.9	1160.7	1172.1	1211.8	1254.4	1288.4	1367.9	1413.3	1430.3
70°	1035.8	1033.0	1035.8	1015.9	1030.2	1064.3	1092.6	1149.4	1231.7	1265.7	1274.3
72.5°	899.6	899.6	905.3	891.1	891.1	928.0	947.9	1010.3	1087.0	1106.8	1109.6
75°	757.7	766.2	766.2	746.4	752.1	774.8	800.3	851.4	922.3	936.5	936.5
77.5°	601.7	632.8	632.8	613.0	621.5	624.4	658.4	684.0	737.8	743.5	720.8
80°	437.1	468.2	493.8	476.8	490.9	473.9	493.8	510.8	564.8	539.2	502.3
82.5°	312.2	334.9	354.8	357.6	343.4	312.2	337.7	340.5	366.1	332.1	312.2
85°	173.1	193.0	218.5	207.2	184.5	164.6	173.1	178.8	175.9	167.4	156.1
87.5°	45.4	48.2	53.9	39.7	36.9	31.2	42.6	42.6	48.2	51.1	48.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5
2.5°	9192.0	9316.9	9586.5	9790.8	10040.6	10344.2	10701.8	11062.2	11451.0	11573.1	11743.3
5°	7605.6	7917.8	8048.4	8420.1	8789.0	9342.4	9932.7	10616.7	11365.9	11726.3	12072.5
7.5°	6498.8	6666.3	6802.5	7075.0	7517.7	8190.3	8930.9	9785.2	10846.5	11371.5	11879.5
10°	5902.9	5919.9	6087.4	6425.1	6811.0	7404.1	8105.1	9061.5	10244.9	10883.4	11479.4
12.5°	5508.4	5434.6	5616.2	5968.2	6405.2	6952.9	7597.1	8508.1	9810.7	10466.3	11187.1
15°	5162.2	5045.8	5182.1	5542.5	5973.8	6618.0	7310.5	8275.4	9640.5	10403.8	11204.1
17.5°	5170.7	4850.0	4898.2	5201.9	5630.4	6286.0	7126.0	8266.8	9898.7	10778.4	11726.3
20°	5809.2	5295.6	5077.1	5133.8	5548.1	6263.3	7211.2	8664.2	10747.2	12029.9	13043.1
22.5°	6436.4	6127.1	5775.2	5658.8	5885.8	6635.1	7753.2	9603.5	12591.8	14524.5	16354.9
25°	6217.9	6481.8	6393.8	6229.2	6280.3	6901.8	8122.1	10375.5	14025.0	16201.7	17921.5
27.5°	4974.9	5454.5	5551.0	5548.1	5568.0	6078.8	7304.8	9856.1	14203.8	16522.4	18165.5
30°	3496.3	3538.9	3590.0	3689.3	3780.1	4237.0	5715.6	8652.9	14124.3	16667.1	18313.1
32.5°	2522.9	2579.7	2650.6	2786.9	3002.5	3584.3	5000.4	8269.7	14544.4	17265.9	18744.5
35°	2307.3	2372.5	2440.6	2596.7	2801.0	3340.2	4716.6	8110.8	15234.0	18236.5	19519.3
37.5°	2239.1	2312.9	2372.5	2486.0	2650.6	3164.3	4458.4	8003.0	15940.6	19263.8	20557.9
40°	2190.9	2276.0	2324.3	2415.1	2528.6	3002.5	4228.5	7917.8	16624.5	20203.1	21392.3
42.5°	2148.3	2236.2	2298.7	2364.0	2457.6	2857.8	4024.2	7832.7	17217.7	21114.1	22223.7
45°	2097.2	2207.9	2287.4	2338.4	2420.7	2735.7	3868.1	7764.5	17893.1	21922.9	23063.8
47.5°	2054.7	2176.7	2276.0	2335.6	2366.9	2650.6	3743.2	7858.2	18704.7	22768.6	23844.2
50°	2057.5	2173.8	2298.7	2392.4	2310.1	2579.7	3666.6	8230.0	19760.4	23773.3	24460.1
52.5°	2148.3	2290.2	2389.6	2412.3	2230.6	2494.6	3626.9	8879.8	21009.1	24661.5	25081.5
55°	2250.5	2398.0	2505.9	2491.7	2188.0	2386.7	3618.3	9572.3	22377.0	25697.4	25890.4
57.5°	2213.5	2429.3	2593.8	2520.1	2190.9	2281.7	3581.4	10131.4	23520.7	26472.1	26690.7
58°	2202.2	2417.9	2605.2	2514.4	2182.4	2250.5	3572.9	10179.6	23679.6	26526.0	26804.1
60°	2091.5	2318.6	2596.7	2471.9	2134.1	2165.3	3479.3	10335.7	23637.0	26248.0	26872.2
62.5°	1890.1	2077.4	2400.9	2264.7	1986.5	2051.9	3269.3	10142.7	22484.9	24908.4	25876.2
65°	1663.0	1802.1	2017.8	1992.2	1776.5	1935.5	2982.7	9379.3	20177.6	22734.6	23753.4
67.5°	1492.7	1606.2	1742.5	1705.6	1597.7	1779.4	2673.3	8088.1	17589.5	20123.7	21406.4
70°	1319.7	1407.6	1475.7	1450.2	1416.1	1626.1	2398.0	6564.1	15109.1	17643.3	18886.4
72.5°	1143.6	1225.9	1282.7	1245.8	1225.9	1464.4	2173.8	5094.0	11933.5	14555.7	16153.4
75°	956.4	1038.6	1078.4	1035.8	1024.5	1291.2	1841.8	3805.6	8953.6	11221.2	12600.3
77.5°	740.7	828.6	879.8	865.5	871.2	1061.4	1487.1	2605.2	6402.4	7648.2	9101.2
80°	519.4	615.8	649.9	635.7	675.4	808.8	1050.0	1654.5	4415.8	4963.5	5988.0
82.5°	320.7	411.5	417.2	431.4	459.8	598.8	791.8	1007.5	2772.7	2866.3	3609.9
85°	161.8	195.8	210.0	232.7	258.2	366.1	451.2	624.4	1785.1	1350.8	2017.8
87.5°	53.9	56.8	68.1	85.1	105.0	150.4	193.0	255.4	442.7	244.1	624.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5	10795.5
2.5°	12086.7	12327.9	12503.9	12665.7	12509.5	12495.3	12342.1	12095.2	11993.1	11993.1
5°	12799.0	13363.8	13820.7	14112.9	13988.1	13687.3	13190.7	12557.8	12217.2	12157.6
7.5°	12994.8	14110.1	14958.7	15259.5	15049.5	14385.4	13434.7	12367.6	11879.5	11771.7
10°	12875.7	14325.8	15571.7	16048.4	15756.2	14751.5	13454.6	12146.3	11544.6	11419.8
12.5°	12750.8	14354.2	15685.2	16374.8	16184.7	15046.7	13599.3	12001.6	11306.3	11127.4
15°	12841.6	14365.5	15546.2	16258.4	16380.4	15401.4	13837.7	12106.6	11258.1	11067.9
17.5°	13414.8	14581.3	15347.5	15923.6	16352.1	15883.9	14516.0	12608.9	11689.4	11453.9
20°	14612.4	15097.7	15461.0	15906.6	16596.2	16868.6	15903.7	13988.1	12901.2	12694.0
22.5°	18080.4	17992.4	17248.9	17240.3	18239.3	19331.9	19266.7	16792.0	15157.3	14987.1
25°	19380.2	18971.5	17895.9	17634.8	18074.7	19760.4	19516.4	17365.2	15855.4	15441.2
27.5°	18872.2	17859.1	17152.4	17092.8	16948.0	18540.1	19127.6	17597.9	16099.5	15696.6
30°	18840.9	17351.0	16340.7	16459.9	16599.0	18120.1	19343.2	18327.3	16723.9	16292.5
32.5°	18917.6	17422.0	16400.3	16423.0	16837.4	18182.6	19581.7	19121.9	17544.1	17112.6
35°	19226.9	17825.0	16780.6	16726.7	17373.8	18591.2	19987.5	20370.6	18665.0	18174.1
37.5°	19726.4	18628.1	17475.9	17461.8	18401.0	19329.1	20492.6	21630.6	19780.3	19252.5
40°	20461.4	19567.5	18713.2	18636.7	19797.4	20529.6	21148.2	22973.0	21077.3	20399.0
42.5°	21349.7	20694.1	20345.1	20648.7	21764.0	21877.6	22169.9	24213.1	22181.2	21392.3
45°	22172.7	22141.4	22626.7	23432.7	24082.6	23401.5	23236.9	25044.6	23038.2	22181.2
47.5°	23151.7	23997.5	25461.8	26642.4	27323.5	25175.2	24147.9	25586.7	23662.6	22873.6
50°	24145.1	26219.5	28558.0	30204.0	30348.7	27102.1	24775.1	26097.5	24230.2	23410.0
52.5°	25189.3	27993.3	31106.5	33019.2	32738.2	28779.3	25382.4	26443.7	24814.8	24093.9
55°	26097.5	29080.2	32531.1	34367.2	33955.7	29801.0	26037.9	26818.4	25649.1	25041.8
57.5°	26605.5	29171.0	32176.4	33779.8	33334.2	29602.3	26338.7	27096.5	26182.7	25705.9
58°	26679.3	29049.0	31861.4	33439.2	32985.1	29434.9	26335.9	27085.1	26216.7	25737.1
60°	26614.0	28257.1	30689.3	32094.1	31617.3	28384.8	26228.1	26872.2	25785.4	25379.5
62.5°	26009.5	26883.6	28665.9	29687.5	29551.3	26744.5	25785.4	26069.1	24471.4	24079.8
65°	25214.9	25010.6	26074.8	26798.5	26900.7	25515.8	25345.5	24332.4	22785.7	22232.3
67.5°	24250.1	22887.8	22885.0	23296.5	23466.7	23625.7	24428.8	22445.1	20356.4	19771.8
70°	22612.6	19615.7	18713.2	19198.5	19056.7	20399.0	22791.3	19794.5	17427.7	16743.8
72.5°	19610.0	15566.0	14121.5	14745.8	14388.3	15997.4	19942.1	16289.7	14411.0	13571.0
75°	15895.2	11644.0	10154.1	10727.3	10506.0	12134.9	16593.3	11831.3	10335.7	10015.0
77.5°	12342.1	8437.1	7571.6	7492.1	7656.7	9030.3	12171.8	7988.7	6813.8	6595.4
80°	7929.1	6039.1	6090.2	5988.0	6073.2	5692.9	7390.0	5096.9	4614.5	4438.5
82.5°	5218.9	4208.6	5017.5	4631.5	4398.8	3828.3	4847.2	3337.4	2832.3	2735.7
85°	3555.9	3099.0	2820.9	2156.9	2540.0	2948.6	3635.4	1796.4	1424.7	1291.2
87.5°	1606.2	1078.4	791.8	488.1	771.9	891.1	1765.2	210.0	161.8	167.4
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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