

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: P526573

Luminaire Tested: **GALN-SA1C-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526573  
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-SA1C-735-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS 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: 3663 lumens  
Efficiency: N/A  
Efficacy: 64.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0

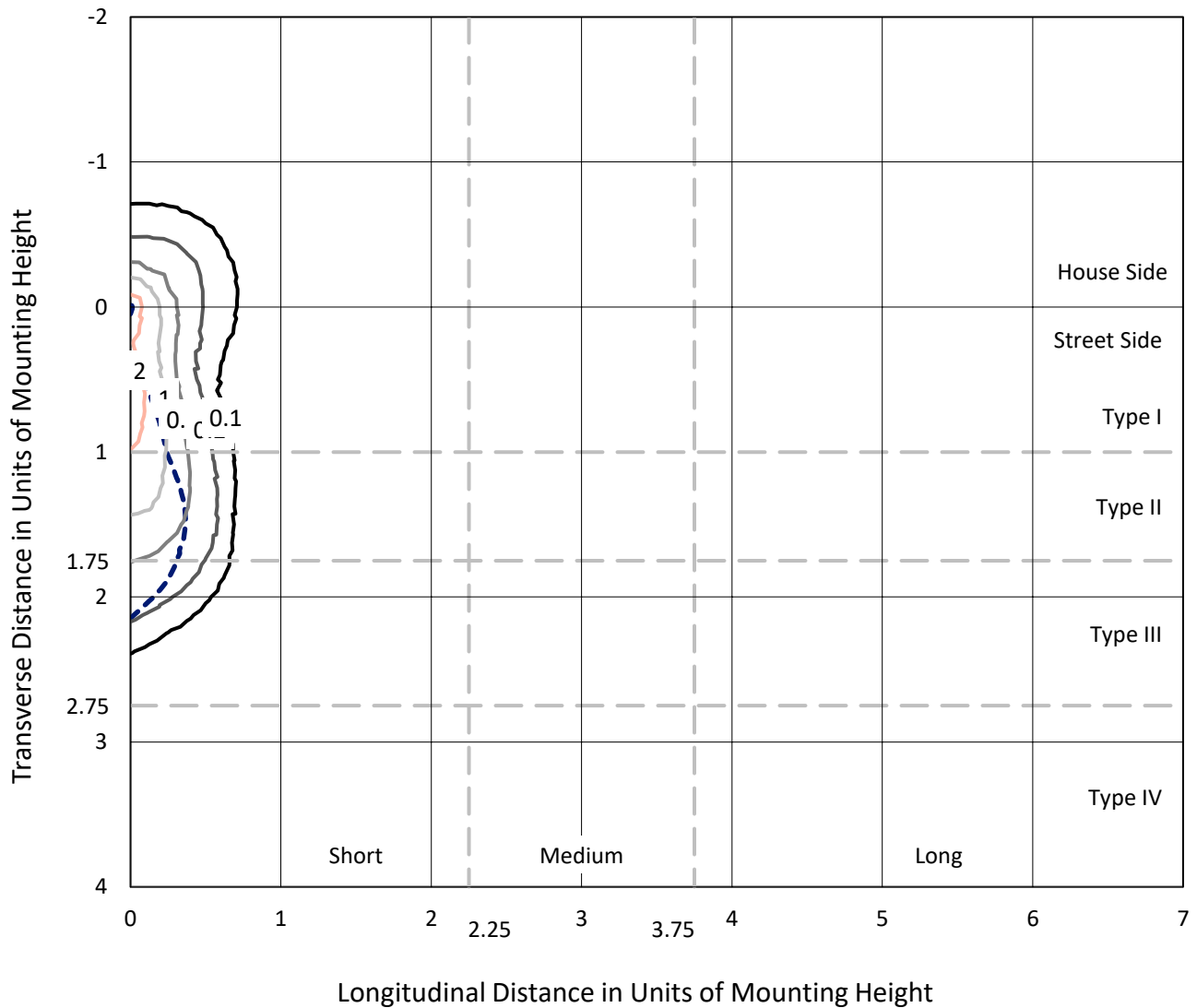
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

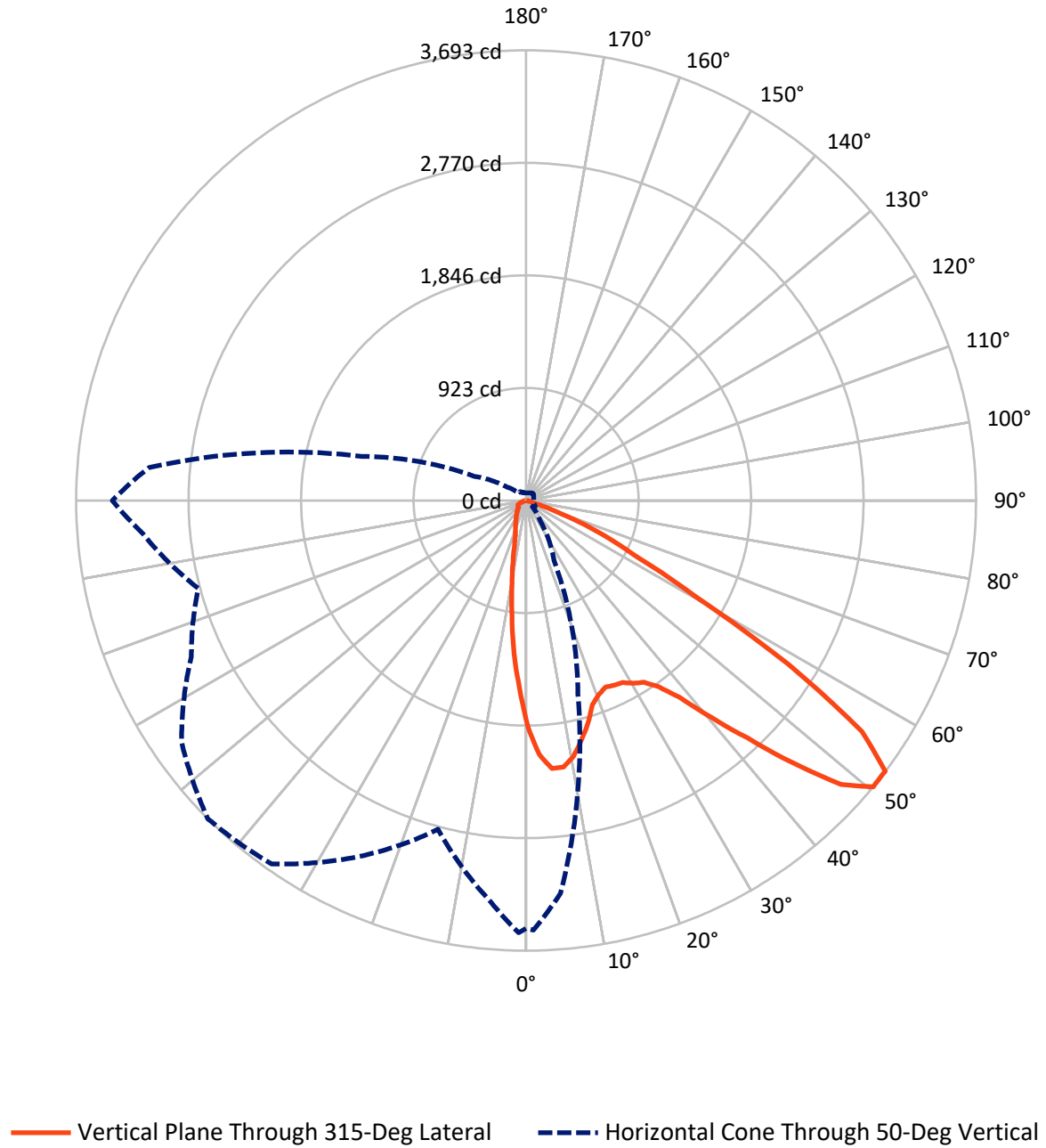
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	733.7	0.0	733.7
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	2929.3	0.0	2929.3
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	3663.0	0.0	3663.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.4	3.7
10°-20°	269.1	7.3
20°-30°	404.3	11.0
30°-40°	606.8	16.6
40°-50°	852.8	23.3
50°-60°	919.9	25.1
60°-70°	427.1	11.7
70°-80°	40.2	1.1
80°-90°	7.4	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°	3663.0	100.0
0°-180°	3663.0	100.0

**Coefficient of Utilization**

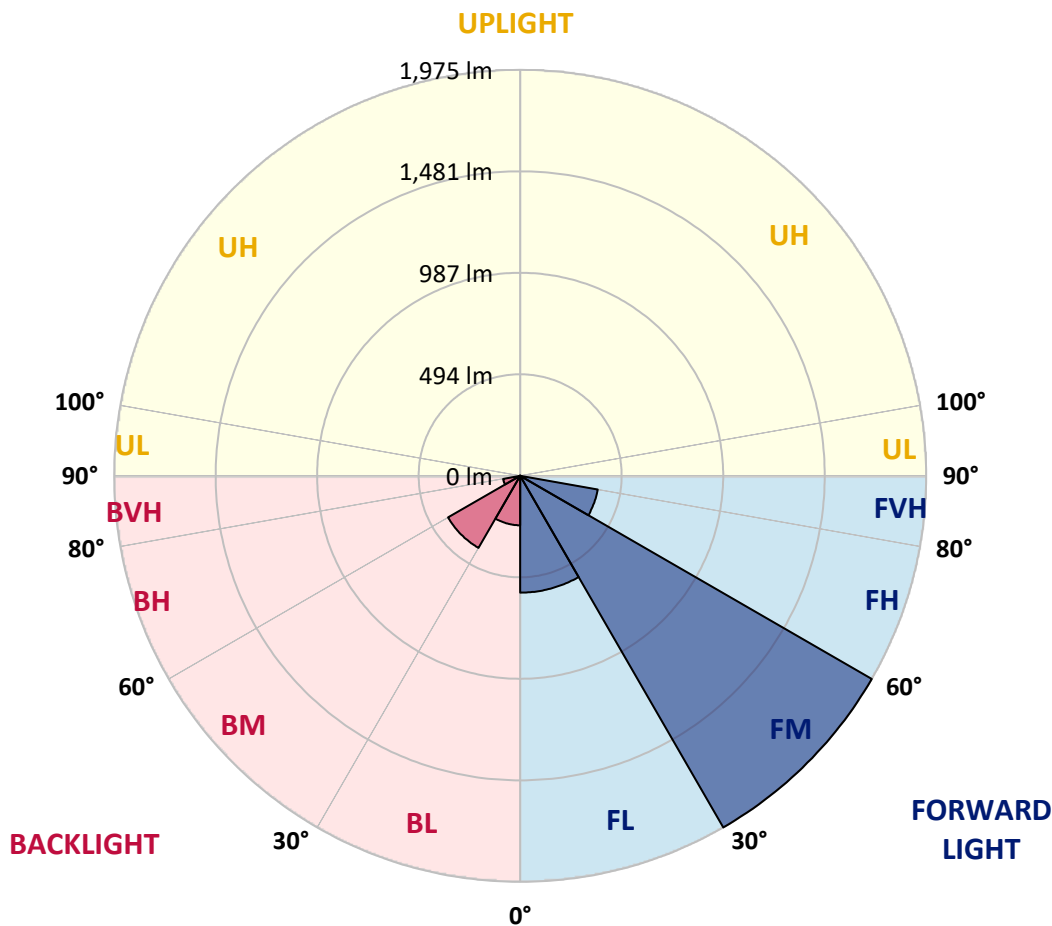


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	568.3	15.5			
FM (30°-60°)	1974.6	53.9			
FH (60°-80°)	383.1	10.5			G0/660
FVH (80°-90°)	3.3	0.1			G0/10
BL (0°-30°)	240.5	6.6	B1/500		
BM (30°-60°)	404.9	11.1	B1/1000		
BH (60°-80°)	84.2	2.3	B0/110		G0/110
BVH (80°-90°)	4.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6
2.5°	1931.0	1901.2	1863.4	1832.2	1785.7	1691.9	1666.5	1635.9	1610.5	1576.3	1528.4
5°	1755.9	1746.4	1729.0	1611.2	1526.2	1412.8	1319.8	1280.6	1229.0	1186.8	1156.3
7.5°	1622.1	1584.3	1529.1	1410.6	1274.7	1153.4	1050.2	989.8	921.5	898.3	856.9
10°	1479.0	1487.7	1406.3	1239.9	1075.6	977.5	913.5	855.4	793.6	752.9	694.1
12.5°	1433.2	1404.8	1342.3	1136.7	996.4	904.8	827.1	755.1	689.7	624.3	567.6
15°	1463.0	1419.4	1332.2	1114.9	935.3	821.2	723.9	626.5	566.1	482.6	423.7
17.5°	1569.8	1534.9	1417.9	1138.1	904.1	741.3	596.7	496.4	404.1	328.5	298.7
20°	1747.9	1698.4	1551.6	1167.9	857.6	644.6	484.0	360.5	273.3	241.3	224.6
22.5°	1922.3	1895.4	1710.1	1225.3	816.2	558.9	363.4	242.7	204.2	198.4	187.5
25°	2254.4	2173.7	1952.1	1329.2	784.2	478.2	274.0	195.5	173.0	168.6	170.1
27.5°	2452.1	2384.5	2175.9	1398.3	748.6	416.4	231.8	179.5	164.2	154.8	151.2
30°	2641.8	2563.3	2287.1	1439.0	672.3	351.0	205.7	172.2	168.6	154.8	150.4
32.5°	2787.9	2710.8	2447.7	1500.0	641.0	308.9	169.3	134.5	125.0	123.5	136.6
35°	3011.7	2929.6	2585.1	1533.5	617.0	287.1	146.8	119.9	109.0	104.7	105.4
37.5°	3220.3	3164.3	2712.3	1546.5	591.6	280.5	131.5	107.6	98.1	95.2	94.5
40°	3394.7	3269.7	2832.9	1560.4	580.7	268.2	122.1	98.1	91.6	87.2	87.2
42.5°	3474.6	3347.5	2968.1	1552.4	577.8	248.6	122.1	90.1	85.0	80.7	79.9
45°	3457.2	3405.6	3028.4	1548.7	577.8	228.9	111.2	87.9	80.7	74.9	73.4
47.5°	3502.3	3434.7	3104.0	1564.0	566.1	215.1	93.8	92.3	76.3	69.0	67.6
50°	3510.3	3523.3	3235.5	1643.2	540.7	197.7	73.4	90.8	73.4	62.5	61.0
52°	3562.6	3481.2	3275.5	1685.4	513.8	184.6	61.8	77.8	70.5	58.1	56.7
52.5°	3490.6	3543.7	3285.0	1700.6	516.7	175.9	59.6	76.3	69.0	58.1	54.5
55°	3410.0	3460.8	3246.4	1733.3	473.8	138.1	46.5	55.2	62.5	50.9	48.7
57.5°	2963.7	3015.3	2821.3	1587.2	385.9	97.4	38.5	41.4	55.2	47.2	45.1
60°	2634.5	2597.4	2367.8	1324.2	274.0	54.5	30.5	32.0	60.3	43.6	42.9
62.5°	2407.8	2328.5	1979.0	1022.6	167.2	36.3	24.0	24.7	46.5	40.7	40.7
65°	1781.3	1692.6	1314.7	618.5	82.1	25.4	18.2	19.6	29.1	34.9	34.9
67.5°	1016.7	982.6	635.2	279.1	34.2	16.0	13.8	15.3	22.5	28.3	26.9
70°	467.3	419.3	244.2	58.9	16.0	10.9	10.9	12.4	18.2	21.1	19.6
72.5°	136.6	129.4	59.6	9.4	6.5	6.5	7.3	9.4	13.8	16.0	14.5
75°	10.2	6.5	4.4	2.9	2.9	4.4	5.8	9.4	13.8	15.3	12.4
77.5°	0.7	1.5	0.7	0.7	2.2	4.4	6.5	11.6	18.2	18.9	13.8
80°	0.7	0.7	0.0	0.7	2.2	4.4	7.3	13.1	20.3	21.8	11.6
82.5°	0.0	0.0	0.0	0.7	2.9	5.8	8.7	13.8	18.9	23.3	12.4
85°	0.0	0.0	0.0	0.7	4.4	8.0	10.2	3.6	2.2	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°	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6
2.5°	1562.5	1543.6	1536.4	1542.9	1540.7	1538.6	1578.5	1569.8	1568.4	1581.4	1578.5
5°	1173.0	1139.6	1231.1	1194.1	1232.6	1255.8	1260.2	1262.4	1289.3	1260.9	1298.0
7.5°	835.8	844.5	843.8	868.5	912.8	952.1	975.3	957.1	955.7	952.1	936.1
10°	667.9	652.6	649.7	643.9	657.7	691.2	719.5	697.0	681.0	702.8	696.2
12.5°	545.8	524.7	513.1	489.8	490.6	513.1	513.1	513.1	529.1	541.4	550.9
15°	418.6	401.2	401.2	377.9	372.8	373.6	385.2	386.6	412.1	419.3	423.0
17.5°	292.9	283.4	294.3	303.8	298.0	299.4	303.8	305.2	308.9	306.0	313.2
20°	225.3	223.8	226.7	243.5	255.8	263.1	258.0	250.7	246.4	236.2	236.2
22.5°	191.1	194.0	199.1	212.9	228.9	233.3	227.5	210.8	197.7	196.2	197.0
25°	170.1	173.0	181.0	189.7	198.4	205.7	199.9	187.5	180.2	173.7	173.7
27.5°	157.0	158.4	162.8	169.3	176.6	182.4	180.2	173.7	165.7	162.8	156.3
30°	146.8	149.0	154.1	155.5	162.1	165.0	161.3	159.9	154.8	151.2	149.0
32.5°	141.7	141.0	144.6	146.1	146.8	149.0	144.6	146.8	146.1	140.3	138.1
35°	106.8	112.6	122.1	130.1	132.3	135.2	134.5	131.5	123.5	117.0	109.0
37.5°	95.9	99.6	104.7	111.2	119.9	123.5	122.1	114.8	105.4	101.0	99.6
40°	88.7	90.8	95.2	99.6	108.3	114.8	109.7	103.2	95.9	92.3	90.1
42.5°	82.1	82.9	85.0	89.4	95.9	106.1	97.4	88.7	85.8	83.6	82.1
45°	74.9	74.9	77.8	79.9	87.2	96.7	87.9	79.9	78.5	77.0	76.3
47.5°	69.0	69.8	71.2	74.1	79.9	86.5	80.7	74.1	70.5	69.8	68.3
50°	61.8	62.5	65.4	68.3	75.6	79.2	75.6	68.3	64.7	62.5	62.5
52°	56.0	58.1	61.0	66.9	71.9	77.8	73.4	65.4	61.0	58.9	57.4
52.5°	55.2	56.7	59.6	66.1	71.9	77.0	72.7	64.7	59.6	58.1	56.7
55°	49.4	51.6	56.7	64.7	71.2	77.0	71.2	64.0	56.7	53.1	51.6
57.5°	47.2	48.7	55.2	65.4	70.5	77.0	71.2	64.0	56.7	50.1	48.7
60°	45.1	48.0	55.2	63.2	69.8	77.8	71.9	63.2	55.2	47.2	47.2
62.5°	42.9	45.1	54.5	61.8	66.9	74.9	69.0	61.8	53.1	45.1	44.3
65°	37.1	40.7	48.0	51.6	57.4	64.7	58.9	53.8	46.5	40.0	39.2
67.5°	28.3	29.8	35.6	40.0	43.6	50.1	47.2	40.7	35.6	30.5	30.5
70°	19.6	21.1	25.4	27.6	31.3	34.9	32.7	27.6	24.0	21.1	20.3
72.5°	13.8	14.5	16.0	17.4	18.9	20.3	19.6	16.0	13.8	13.1	12.4
75°	10.9	12.4	13.1	12.4	11.6	10.9	10.9	9.4	8.0	7.3	7.3
77.5°	10.9	11.6	10.9	9.4	8.0	7.3	6.5	5.8	4.4	3.6	4.4
80°	9.4	9.4	9.4	8.0	7.3	6.5	5.8	5.1	4.4	3.6	3.6
82.5°	10.2	10.2	9.4	8.0	8.0	6.5	6.5	5.8	5.1	3.6	3.6
85°	0.0	0.0	0.0	1.5	3.6	6.5	6.5	5.8	5.1	4.4	4.4
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	2.9	3.6	4.4	4.4	4.4
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6
2.5°	1604.7	1632.3	1684.6	1737.0	1768.9	1806.7	1875.0	1911.4	1958.6	1981.9	2027.7
5°	1292.9	1358.3	1381.6	1441.2	1505.1	1569.1	1670.8	1782.7	1875.8	1939.7	2022.6
7.5°	943.3	958.6	1048.7	1088.7	1193.3	1309.6	1448.4	1589.4	1707.2	1811.8	1875.0
10°	707.1	763.1	819.8	896.1	980.4	1100.3	1233.3	1388.8	1541.5	1646.1	1726.1
12.5°	568.3	612.7	688.2	770.4	874.3	953.5	1087.2	1241.3	1439.0	1541.5	1646.8
15°	430.2	486.9	572.7	657.7	767.5	851.0	986.2	1180.3	1434.6	1575.6	1666.5
17.5°	319.0	357.6	434.6	529.8	641.7	759.5	941.9	1173.7	1483.3	1651.2	1745.0
20°	244.2	257.3	306.0	391.0	512.4	666.4	869.9	1202.1	1627.2	1835.1	1930.3
22.5°	197.7	203.5	222.4	281.3	399.0	585.0	835.8	1221.7	1789.3	2055.3	2182.5
25°	172.2	170.8	183.1	208.6	311.8	508.7	792.2	1295.8	1987.7	2314.0	2428.1
27.5°	157.0	157.0	162.8	181.0	258.7	459.3	764.6	1348.9	2187.6	2541.5	2603.3
30°	149.0	150.4	167.2	173.0	215.1	400.4	718.8	1402.6	2378.7	2686.8	2771.9
32.5°	138.1	132.3	128.6	143.2	181.0	347.4	673.0	1425.2	2533.5	2864.9	2937.6
35°	106.1	103.2	107.6	118.5	155.5	302.3	622.1	1450.6	2711.5	3071.3	3085.8
37.5°	95.9	95.2	98.1	107.6	130.8	263.1	585.8	1444.1	2847.5	3242.1	3202.8
40°	88.7	88.7	90.8	98.8	117.0	235.5	548.0	1438.3	2979.0	3433.9	3319.1
42.5°	82.9	82.9	86.5	91.6	111.2	217.3	519.6	1430.3	3089.5	3551.7	3387.4
45°	74.9	77.0	82.9	87.9	112.6	204.9	498.6	1399.7	3127.3	3550.2	3354.7
47.5°	69.0	71.9	77.8	85.0	101.7	201.3	484.0	1372.9	3114.2	3463.0	3252.3
50°	62.5	66.1	74.1	86.5	86.5	194.0	468.8	1396.8	3104.7	3395.4	3154.1
52°	58.1	61.0	71.2	84.3	75.6	178.8	459.3	1443.3	3143.2	3386.7	3110.5
52.5°	57.4	59.6	69.0	82.9	71.9	175.9	452.8	1454.3	3155.6	3364.9	3140.3
55°	50.9	53.8	63.2	64.7	58.9	144.6	431.7	1479.0	3094.6	3322.0	3112.0
57.5°	48.0	49.4	56.0	53.1	50.9	109.0	371.4	1440.4	2748.6	2950.7	2895.4
60°	44.3	45.8	52.3	41.4	42.9	76.3	279.1	1250.8	2207.2	2458.6	2558.2
62.5°	42.9	42.2	49.4	33.4	36.3	55.2	197.0	1016.7	1700.6	2024.0	2196.3
65°	37.8	37.1	35.6	28.3	31.3	42.9	117.7	663.5	1198.4	1531.3	1625.8
67.5°	29.1	30.5	26.2	22.5	26.2	33.4	65.4	297.2	628.6	918.6	994.9
70°	20.3	21.8	21.1	19.6	23.3	27.6	37.8	101.7	260.2	482.6	532.0
72.5°	12.4	15.3	16.0	16.7	20.3	24.0	26.9	32.7	69.0	170.8	212.2
75°	7.3	10.2	12.4	14.5	16.7	20.3	22.5	23.3	24.0	32.0	51.6
77.5°	5.1	7.3	10.9	13.8	16.7	20.3	24.0	25.4	24.0	22.5	24.0
80°	4.4	7.3	10.2	13.1	17.4	21.1	24.0	24.0	23.3	20.3	21.8
82.5°	4.4	7.3	10.9	13.8	16.7	20.3	23.3	24.0	21.8	20.3	21.1
85°	5.1	8.0	11.6	14.5	18.2	16.7	15.3	12.4	11.6	9.4	10.2
87.5°	5.1	7.3	7.3	8.0	8.7	8.7	8.7	8.0	6.5	5.8	5.8
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6	1857.6
2.5°	2029.8	2088.0	2085.8	2087.3	2078.5	2019.7	1991.3	1919.4	1939.7	1931.0
5°	2107.6	2165.0	2214.4	2208.6	2141.8	2061.8	1943.4	1831.4	1800.9	1755.9
7.5°	2029.8	2167.9	2213.7	2207.2	2108.3	2005.9	1816.9	1705.0	1651.9	1622.1
10°	1906.3	2066.2	2122.9	2134.5	2067.6	1912.1	1738.4	1558.9	1530.6	1479.0
12.5°	1835.8	1952.1	1987.0	2018.2	1995.0	1878.7	1678.8	1506.6	1467.3	1433.2
15°	1778.4	1847.4	1862.0	1897.6	1911.4	1848.9	1710.1	1563.3	1466.6	1463.0
17.5°	1831.4	1803.1	1750.0	1760.9	1804.5	1849.6	1790.7	1675.2	1581.4	1569.8
20°	1919.4	1794.4	1674.5	1701.3	1737.7	1875.8	1912.8	1831.4	1777.7	1747.9
22.5°	2020.4	1809.6	1650.5	1663.6	1732.6	1934.6	2110.5	2065.5	1965.2	1922.3
25°	2207.2	1851.8	1669.4	1678.1	1772.6	2016.8	2289.3	2322.7	2263.1	2254.4
27.5°	2389.6	1960.8	1710.8	1691.2	1792.9	2096.7	2397.6	2577.1	2472.4	2452.1
30°	2482.6	2049.5	1772.6	1739.1	1877.2	2145.4	2463.0	2742.8	2651.2	2641.8
32.5°	2625.1	2130.1	1820.5	1777.7	1924.5	2205.7	2585.1	2923.8	2835.1	2787.9
35°	2684.7	2218.1	1925.9	1875.8	2059.6	2290.0	2647.6	3085.1	3057.5	3011.7
37.5°	2799.5	2312.6	2050.2	2047.3	2223.2	2399.8	2760.2	3304.6	3299.5	3220.3
40°	2808.9	2415.8	2246.4	2338.0	2476.1	2590.9	2859.1	3365.6	3448.5	3394.7
42.5°	2823.5	2596.7	2585.8	2661.4	2779.9	2755.2	2862.7	3380.2	3506.6	3474.6
45°	2830.0	2777.7	2931.0	3070.6	3120.0	2970.3	2828.6	3352.6	3537.1	3457.2
47.5°	2777.7	2933.2	3210.1	3479.7	3494.3	3102.5	2814.0	3324.2	3555.3	3502.3
50°	2785.0	3030.6	3451.4	3692.7	3639.6	3219.6	2791.5	3306.8	3545.9	3510.3
52°	2767.5	3032.8	3485.5	3688.3	3651.3	3154.9	2753.0	3239.9	3537.1	3562.6
52.5°	2787.1	3019.7	3449.9	3691.2	3643.3	3186.8	2747.9	3277.0	3542.2	3490.6
55°	2719.5	2864.2	3241.4	3343.8	3336.6	2892.5	2591.6	3154.1	3409.2	3410.0
57.5°	2457.9	2482.6	2542.2	2540.0	2506.6	2274.0	2216.6	2900.5	3039.3	2963.7
60°	2165.7	1817.6	1657.0	1591.6	1554.5	1516.8	1960.8	2653.4	2666.5	2634.5
62.5°	1871.4	1260.2	1046.5	1028.4	1037.1	1175.2	1895.4	2555.3	2476.8	2407.8
65°	1510.2	918.6	760.2	736.2	821.2	970.2	1534.2	1959.3	1838.7	1781.3
67.5°	948.4	670.1	513.8	468.8	571.2	667.9	1008.0	1231.1	1096.0	1016.7
70°	562.5	374.3	232.6	208.6	234.7	356.1	564.7	614.1	508.0	467.3
72.5°	221.7	137.4	64.7	55.2	57.4	125.0	207.9	202.8	153.3	136.6
75°	59.6	41.4	22.5	18.2	15.3	23.3	33.4	21.8	8.0	10.2
77.5°	27.6	24.7	19.6	15.3	11.6	8.7	4.4	1.5	1.5	0.7
80°	24.0	21.1	18.2	15.3	11.6	7.3	3.6	0.7	0.7	0.7
82.5°	22.5	19.6	16.7	13.8	10.9	7.3	3.6	0.7	0.0	0.0
85°	9.4	12.4	13.8	13.1	11.6	7.3	3.6	0.7	0.0	0.0
87.5°	5.1	4.4	3.6	2.9	2.2	1.5	1.5	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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