

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: P526571

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
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-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT 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

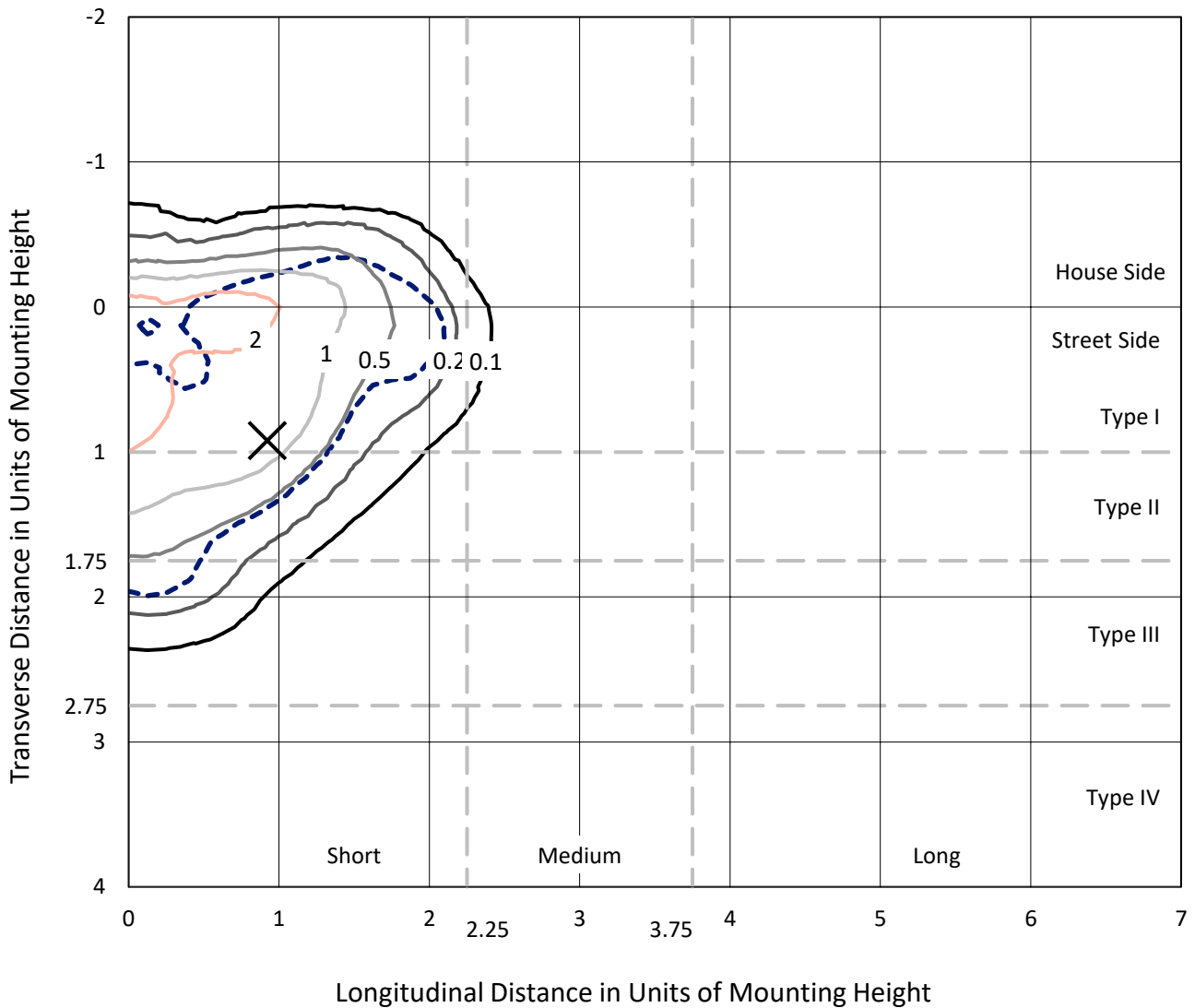
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

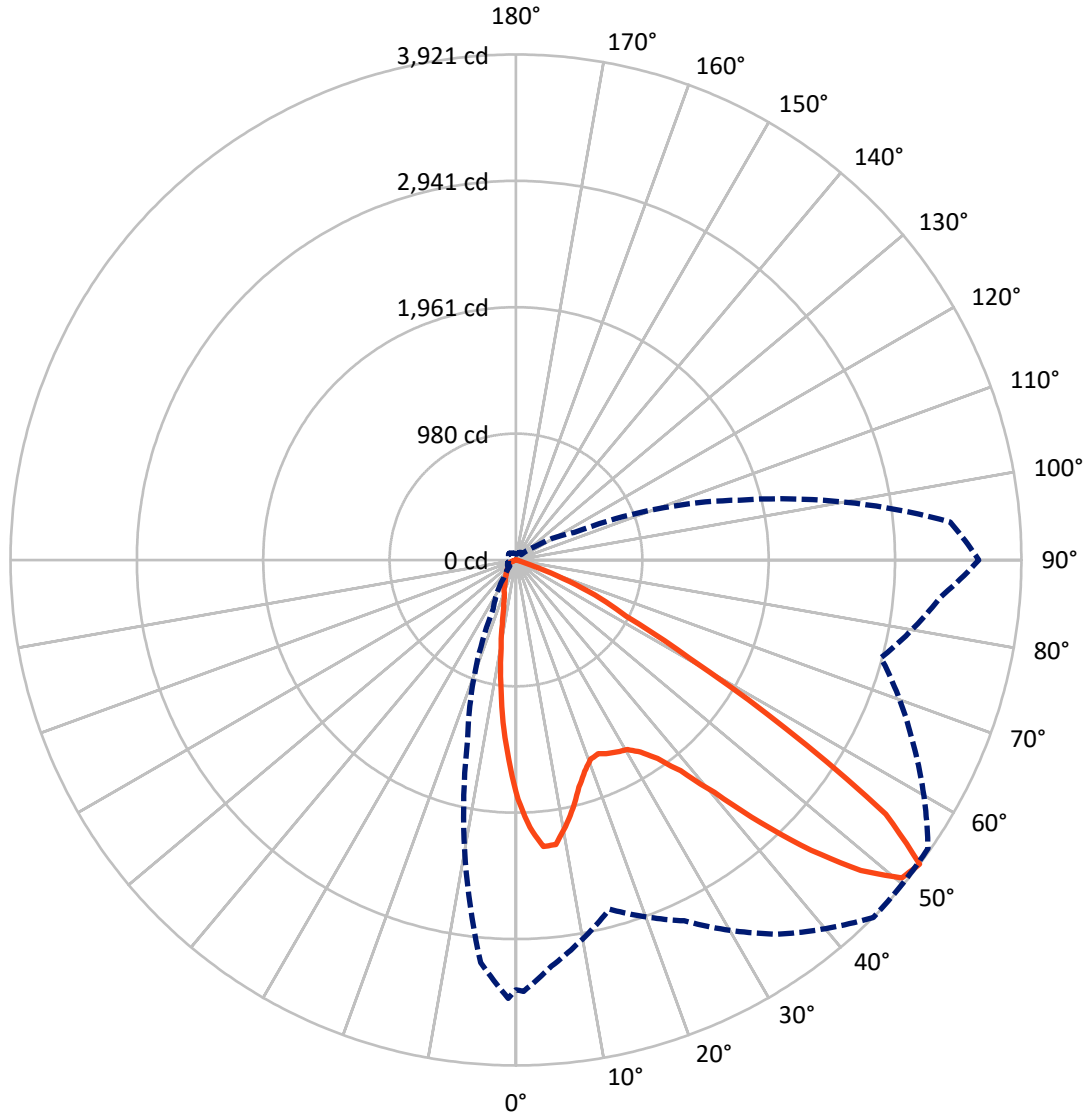
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	743.4	0.0	743.4
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2919.6	0.0	2919.6
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	3663.0	0.0	3663.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.5	3.7
10°-20°	267.2	7.3
20°-30°	406.7	11.1
30°-40°	607.9	16.6
40°-50°	865.6	23.6
50°-60°	930.5	25.4
60°-70°	412.3	11.3
70°-80°	33.4	0.9
80°-90°	3.9	0.1
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**



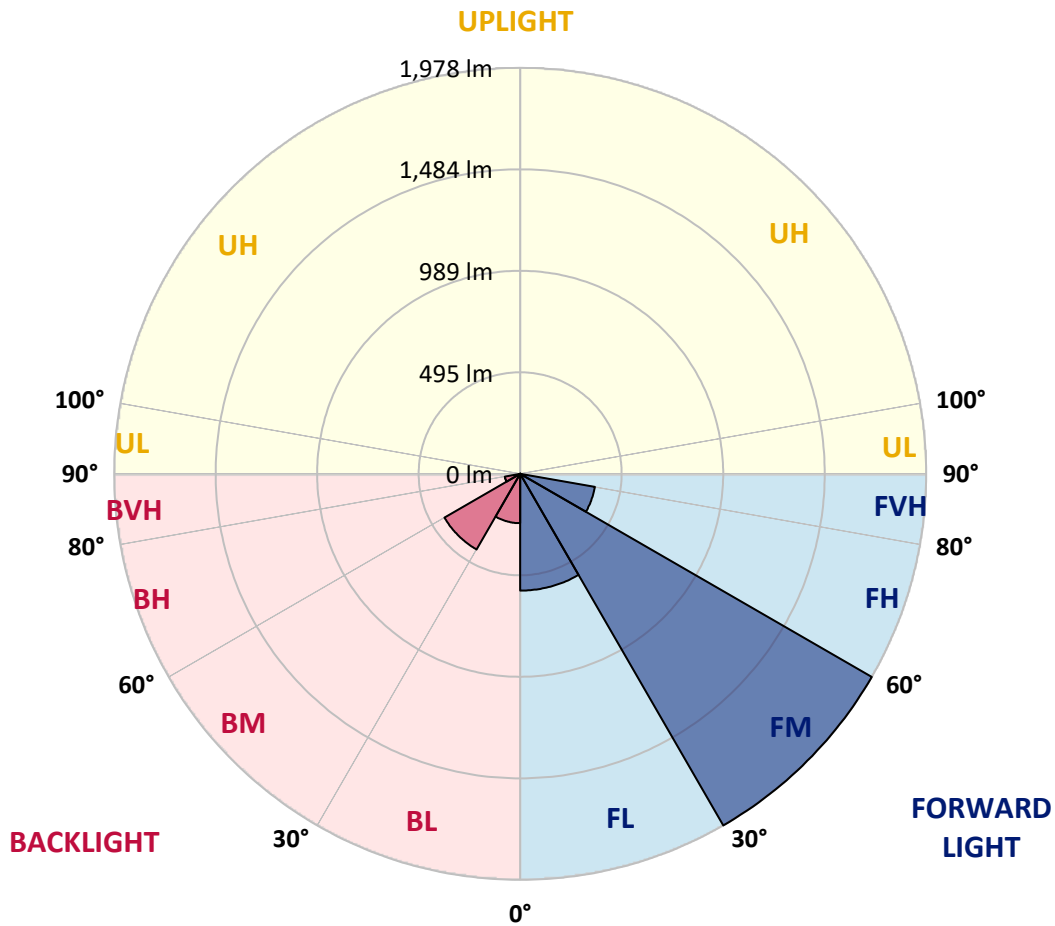
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	568.9	15.5			
FM (30°-60°)	1978.1	54.0			
FH (60°-80°)	369.6	10.1			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	240.4	6.6	B1/500		
BM (30°-60°)	425.9	11.6	B1/1000		
BH (60°-80°)	76.1	2.1	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			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°	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3
2.5°	1965.4	1971.1	2002.8	2042.5	2063.4	2110.9	2077.8	2086.4	2068.4	2005.0	1955.3
5°	1905.6	1904.9	1945.2	2043.2	2136.1	2230.5	2233.4	2183.0	2094.3	1997.1	1858.0
7.5°	1725.5	1753.6	1795.4	1951.7	2123.9	2194.5	2228.3	2169.3	2033.1	1894.1	1743.5
10°	1589.3	1603.7	1674.3	1863.1	1989.2	2083.5	2104.4	2070.6	1966.1	1792.5	1623.9
12.5°	1510.8	1518.0	1600.8	1759.3	1892.6	1962.5	1972.6	1988.4	1913.5	1750.7	1548.2
15°	1511.5	1517.3	1628.9	1761.5	1814.1	1795.4	1828.5	1827.8	1860.2	1742.8	1611.6
17.5°	1620.3	1626.8	1727.6	1793.2	1770.1	1726.2	1724.0	1757.2	1825.6	1841.5	1707.5
20°	1807.6	1822.7	1896.9	1893.3	1763.7	1675.0	1650.5	1675.8	1835.0	1925.0	1900.5
22.5°	2059.8	2080.6	2132.5	2033.1	1793.2	1640.5	1632.5	1681.5	1896.9	2111.6	2119.6
25°	2352.3	2387.6	2412.8	2285.3	1898.4	1700.3	1662.8	1747.1	1980.5	2314.1	2398.4
27.5°	2546.1	2582.8	2577.0	2394.8	1969.0	1716.1	1684.4	1762.9	2053.3	2362.3	2543.9
30°	2697.4	2719.7	2760.0	2453.8	2039.6	1760.8	1706.7	1829.9	2077.0	2445.9	2719.7
32.5°	2873.9	2889.0	2891.9	2558.3	2148.4	1817.0	1775.9	1913.5	2182.2	2525.9	2875.3
35°	3051.8	3074.1	3027.3	2687.3	2215.4	1921.4	1891.2	2058.3	2266.5	2608.7	3046.8
37.5°	3244.9	3256.4	3148.4	2740.6	2311.2	2091.5	2074.9	2214.7	2412.8	2758.6	3237.0
40°	3407.0	3417.8	3277.3	2806.1	2412.1	2329.2	2371.7	2512.9	2611.6	2855.9	3332.1
42.5°	3497.0	3522.3	3320.5	2770.1	2614.5	2598.7	2787.4	2837.1	2842.2	2883.2	3417.1
45°	3521.5	3510.0	3249.2	2799.7	2791.7	3041.7	3213.2	3278.8	3071.3	2933.7	3438.7
47.5°	3408.4	3423.6	3144.0	2773.7	3024.4	3377.5	3599.4	3721.1	3242.0	2889.7	3385.4
50°	3316.9	3297.5	3110.2	2755.0	3087.1	3536.0	3878.2	3905.5	3399.1	2943.7	3327.0
52.5°	3334.9	3347.2	3164.2	2804.7	3088.6	3545.3	3921.4	3902.7	3404.1	2931.5	3306.1
55°	3373.1	3319.1	3141.1	2695.2	2881.8	3283.8	3480.5	3451.7	3141.9	2801.1	3255.0
57.5°	2910.6	2994.2	2888.3	2406.3	2365.2	2474.0	2470.4	2559.0	2343.6	2410.6	2963.2
60°	2362.3	2376.8	2416.4	2058.3	1636.9	1599.4	1547.5	1491.3	1577.1	2061.2	2695.2
62.5°	2077.8	2060.5	2201.7	1872.4	1155.6	967.6	958.9	993.5	1216.8	1966.1	2528.0
65°	1510.1	1531.7	1634.0	1453.1	867.4	738.5	725.5	827.8	984.9	1575.6	1929.4
67.5°	922.2	964.0	973.3	896.2	588.6	467.6	448.8	541.8	711.1	1019.4	1131.1
70°	425.8	476.2	523.8	489.2	340.8	192.4	181.6	227.7	358.8	586.4	600.1
72.5°	129.0	129.7	181.6	189.5	110.2	43.2	38.2	50.4	121.8	193.8	203.9
75°	9.4	10.1	24.5	28.1	20.9	10.8	11.5	13.7	25.9	43.2	32.4
77.5°	0.7	0.7	0.7	3.6	6.5	7.2	9.4	10.8	13.7	15.8	14.4
80°	0.7	0.0	0.7	2.9	5.0	7.2	8.6	10.1	10.8	12.2	10.8
82.5°	0.0	0.0	0.0	2.2	5.0	7.2	7.9	10.8	12.2	14.4	12.2
85°	0.0	0.0	0.0	2.2	5.0	7.9	7.2	3.6	0.0	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°	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3
2.5°	1963.9	1935.8	1871.7	1839.3	1762.9	1752.1	1677.2	1665.0	1639.7	1626.0	1592.9
5°	1796.8	1762.9	1658.5	1570.6	1468.3	1396.9	1342.2	1292.5	1263.7	1237.0	1249.3
7.5°	1660.6	1561.9	1445.9	1299.0	1180.8	1104.4	1020.9	952.4	912.1	884.7	891.2
10°	1518.0	1453.9	1292.5	1127.5	984.9	930.8	865.3	812.7	755.7	706.8	683.7
12.5°	1473.3	1378.2	1175.8	1007.9	899.8	847.2	772.3	711.8	639.0	579.2	558.3
15°	1481.2	1389.7	1144.1	964.7	837.2	746.4	657.0	582.1	502.2	460.4	438.8
17.5°	1610.2	1451.7	1165.0	919.3	750.0	623.9	513.7	418.6	358.8	315.6	306.2
20°	1768.7	1585.7	1209.6	886.1	678.7	496.4	375.4	293.2	243.5	236.3	234.1
22.5°	2000.7	1804.7	1305.4	863.8	591.5	386.9	257.2	213.3	199.6	198.1	198.8
25°	2324.9	2079.2	1409.9	845.1	525.9	298.3	210.4	180.8	176.5	174.3	178.0
27.5°	2465.4	2244.9	1465.4	804.7	466.1	268.7	207.5	179.4	167.1	163.5	165.7
30°	2639.0	2355.1	1552.6	735.6	378.2	221.2	193.8	195.2	189.5	171.5	165.7
32.5°	2869.5	2492.7	1596.5	686.6	337.9	183.0	141.9	130.4	145.5	148.4	153.5
35°	3017.2	2632.5	1618.8	657.8	317.0	156.3	120.3	109.5	105.9	106.6	109.5
37.5°	3291.7	2821.3	1646.9	627.5	301.1	136.2	108.8	98.7	93.7	93.7	96.5
40°	3456.0	2971.1	1685.1	610.9	285.3	123.9	98.7	90.1	85.7	85.7	87.2
42.5°	3497.0	3045.3	1672.2	605.2	267.3	121.0	90.1	83.6	78.5	77.8	77.1
45°	3570.5	3158.4	1674.3	598.7	248.6	110.2	85.0	77.8	70.6	69.9	69.2
47.5°	3651.2	3239.8	1678.6	573.5	230.5	92.2	88.6	72.0	63.4	62.0	62.0
50°	3582.1	3304.7	1716.1	548.3	207.5	74.9	87.2	67.7	56.2	54.0	54.8
52.5°	3590.7	3381.1	1795.4	513.0	178.7	59.8	70.6	64.1	51.2	47.5	48.3
55°	3452.4	3300.4	1806.2	475.5	139.8	46.1	54.0	56.2	43.2	41.8	41.8
57.5°	2971.8	2794.6	1593.6	385.4	92.2	38.2	38.9	49.0	37.5	36.0	36.7
60°	2543.2	2243.5	1282.4	254.3	57.6	30.3	28.1	49.7	33.1	32.4	34.6
62.5°	2318.4	1843.6	972.6	157.8	39.6	23.1	19.5	40.3	28.8	28.8	31.7
65°	1675.0	1238.4	565.6	82.9	28.1	18.0	14.4	23.1	23.8	24.5	25.9
67.5°	1037.4	625.3	238.5	40.3	18.7	12.2	9.4	14.4	15.8	15.8	17.3
70°	512.2	249.3	79.2	23.1	14.4	10.1	6.5	7.9	7.9	7.2	7.9
72.5°	158.5	74.9	20.2	14.4	10.1	6.5	3.6	2.9	1.4	0.0	0.7
75°	18.0	14.4	13.0	10.1	6.5	2.9	0.7	0.0	0.0	0.0	0.0
77.5°	10.8	12.2	12.2	10.1	6.5	2.2	0.0	0.0	0.0	0.0	0.0
80°	8.6	9.4	10.1	9.4	5.8	2.9	0.0	0.0	0.0	0.0	0.0
82.5°	10.8	12.2	13.7	12.2	7.9	3.6	1.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	2.2	0.7	0.0	0.0	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3
2.5°	1579.2	1563.4	1585.7	1552.6	1551.8	1552.6	1543.2	1534.6	1548.2	1585.0	1588.6
5°	1205.3	1239.2	1250.0	1285.3	1265.8	1237.0	1242.8	1223.3	1270.9	1291.8	1275.2
7.5°	877.5	875.3	948.1	952.4	961.8	962.5	961.1	922.9	884.0	892.6	918.6
10°	680.8	644.1	679.4	675.8	698.8	692.3	701.7	660.6	674.3	674.3	690.9
12.5°	554.7	515.8	509.4	500.0	509.4	513.0	516.6	508.6	531.7	542.5	554.0
15°	423.6	402.0	396.2	378.2	381.1	391.2	399.8	403.5	396.2	412.8	414.3
17.5°	307.6	306.9	310.5	309.8	306.9	304.7	304.0	294.7	291.8	293.2	299.0
20°	233.4	239.2	251.4	263.7	270.2	262.2	251.4	235.6	229.1	230.5	231.3
22.5°	199.6	208.2	224.8	238.5	245.0	230.5	211.1	197.4	194.5	193.8	193.1
25°	180.8	190.9	203.2	207.5	206.8	198.1	183.7	178.0	176.5	175.1	168.6
27.5°	170.7	174.3	176.5	181.6	183.7	178.0	174.3	165.7	164.3	164.3	159.9
30°	165.0	162.8	165.7	162.1	165.0	160.7	161.4	161.4	157.8	159.2	159.2
32.5°	153.5	154.2	154.2	147.0	149.1	144.1	149.1	153.5	154.2	154.9	160.7
35°	112.4	125.4	131.8	131.8	134.0	130.4	129.7	124.6	118.2	111.7	108.8
37.5°	98.7	103.7	112.4	117.4	121.0	118.2	111.7	103.7	100.1	97.3	94.4
40°	87.9	92.2	98.0	103.7	110.9	107.3	97.3	93.7	89.3	89.3	86.5
42.5°	79.2	81.4	85.0	93.7	101.6	94.4	87.2	84.3	82.1	81.4	80.7
45°	71.3	72.0	75.6	82.9	92.2	85.0	77.8	74.2	74.9	75.6	74.9
47.5°	64.1	65.6	67.7	76.4	82.1	78.5	70.6	68.4	68.4	68.4	69.2
50°	55.5	59.1	63.4	70.6	74.9	72.8	66.3	63.4	62.0	62.0	62.7
52.5°	49.7	52.6	58.4	67.0	72.8	69.2	62.7	58.4	55.5	54.8	56.2
55°	43.2	48.3	57.6	64.1	72.0	68.4	61.2	56.2	51.2	50.4	50.4
57.5°	38.9	46.8	55.5	63.4	69.9	67.0	61.2	54.8	48.3	47.5	47.5
60°	36.7	45.4	54.0	61.2	69.9	65.6	60.5	53.3	46.1	46.1	45.4
62.5°	34.6	42.5	51.2	58.4	67.0	63.4	58.4	51.2	43.9	43.9	42.5
65°	28.8	36.7	42.5	49.0	58.4	54.8	49.7	44.7	38.9	37.5	38.2
67.5°	20.2	25.2	31.0	37.5	43.2	41.8	39.6	36.0	31.0	30.3	29.5
70°	10.1	13.7	18.7	25.2	30.3	28.8	27.4	24.5	21.6	20.9	20.9
72.5°	1.4	4.3	7.9	11.5	15.8	16.6	15.8	15.1	14.4	13.7	14.4
75°	0.0	0.0	0.0	2.9	6.5	7.9	9.4	10.8	10.8	9.4	11.5
77.5°	0.0	0.0	0.0	0.0	0.7	3.6	7.2	9.4	11.5	10.1	13.7
80°	0.0	0.0	0.0	0.0	0.7	4.3	7.2	10.1	11.5	10.1	14.4
82.5°	0.0	0.0	0.0	0.0	0.7	5.0	7.2	9.4	10.8	10.1	13.0
85°	0.0	0.0	0.0	0.0	2.2	4.3	2.9	1.4	0.7	0.7	2.2
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3	1857.3
2.5°	1608.8	1659.9	1714.7	1735.6	1800.4	1849.4	1882.5	1953.9	1964.7	1965.4
5°	1292.5	1318.4	1412.1	1456.0	1552.6	1627.5	1707.5	1822.7	1899.8	1905.6
7.5°	918.6	990.6	1030.2	1144.8	1263.7	1381.1	1500.0	1634.0	1723.3	1725.5
10°	739.2	786.0	856.6	942.3	1042.5	1162.1	1320.6	1476.2	1567.0	1589.3
12.5°	595.1	677.2	757.9	846.5	922.9	1012.9	1183.7	1391.2	1466.1	1510.8
15°	458.2	533.1	628.2	732.0	818.4	938.7	1133.3	1370.3	1496.4	1511.5
17.5°	337.9	404.9	492.8	590.8	720.4	891.2	1141.9	1476.2	1595.1	1620.3
20°	242.8	281.7	350.9	464.7	629.7	835.7	1150.6	1583.5	1764.4	1807.6
22.5°	192.4	208.2	253.6	354.5	528.1	777.4	1211.8	1788.9	1997.1	2059.8
25°	167.1	175.8	197.4	279.5	464.0	771.6	1309.8	2035.3	2306.9	2352.3
27.5°	161.4	162.8	181.6	256.5	429.4	733.4	1347.2	2210.3	2499.9	2546.1
30°	170.0	193.1	194.5	216.9	365.3	657.8	1366.7	2379.6	2663.5	2697.4
32.5°	147.0	139.8	144.8	167.9	321.3	613.8	1403.4	2527.3	2850.1	2873.9
35°	102.3	107.3	118.9	145.5	281.0	567.7	1412.8	2690.1	3027.3	3051.8
37.5°	94.4	97.3	106.6	123.9	247.1	541.8	1399.8	2809.0	3211.0	3244.9
40°	87.9	91.5	96.5	112.4	221.9	513.0	1381.8	2916.4	3323.4	3407.0
42.5°	82.9	85.7	90.1	107.3	200.3	484.1	1356.6	3067.7	3424.3	3497.0
45°	77.1	81.4	86.5	104.5	188.0	464.7	1337.9	3058.3	3482.6	3521.5
47.5°	71.3	78.5	84.3	97.3	184.4	455.3	1345.8	3023.0	3435.1	3408.4
50°	65.6	74.9	85.0	80.7	175.8	436.6	1355.2	3071.3	3322.0	3316.9
52.5°	60.5	71.3	79.2	66.3	156.3	418.6	1445.9	3134.7	3401.9	3334.9
55°	53.3	64.1	63.4	53.3	126.8	404.9	1517.3	3136.1	3347.9	3373.1
57.5°	48.3	56.9	49.7	44.7	93.7	338.6	1401.3	2629.6	2865.9	2910.6
60°	44.7	55.5	37.5	35.3	61.2	244.2	1223.3	2036.7	2278.1	2362.3
62.5°	41.1	52.6	29.5	28.8	42.5	173.6	1005.7	1704.6	1963.2	2077.8
65°	36.0	37.5	23.8	22.3	30.3	93.7	612.4	1173.6	1467.5	1510.1
67.5°	29.5	28.8	19.5	18.0	20.2	45.4	270.2	587.9	850.8	922.2
70°	23.8	23.8	16.6	14.4	14.4	20.9	70.6	234.1	384.7	425.8
72.5°	17.3	18.0	13.0	11.5	10.8	10.1	11.5	46.8	100.9	129.0
75°	15.1	15.8	13.0	10.1	7.9	6.5	5.0	4.3	5.8	9.4
77.5°	16.6	16.6	13.7	9.4	7.2	5.0	2.9	1.4	1.4	0.7
80°	20.9	21.6	18.0	12.2	8.6	5.8	3.6	1.4	0.7	0.7
82.5°	22.3	24.5	20.2	15.1	10.8	6.5	3.6	0.7	0.0	0.0
85°	5.8	9.4	15.8	13.7	10.8	6.5	3.6	0.7	0.0	0.0
87.5°	0.0	0.7	2.2	2.2	2.9	2.9	2.2	0.7	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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