

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: P526522

Luminaire Tested: **GALN-SA1C-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526522
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-SA1C-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS 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: 4431 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

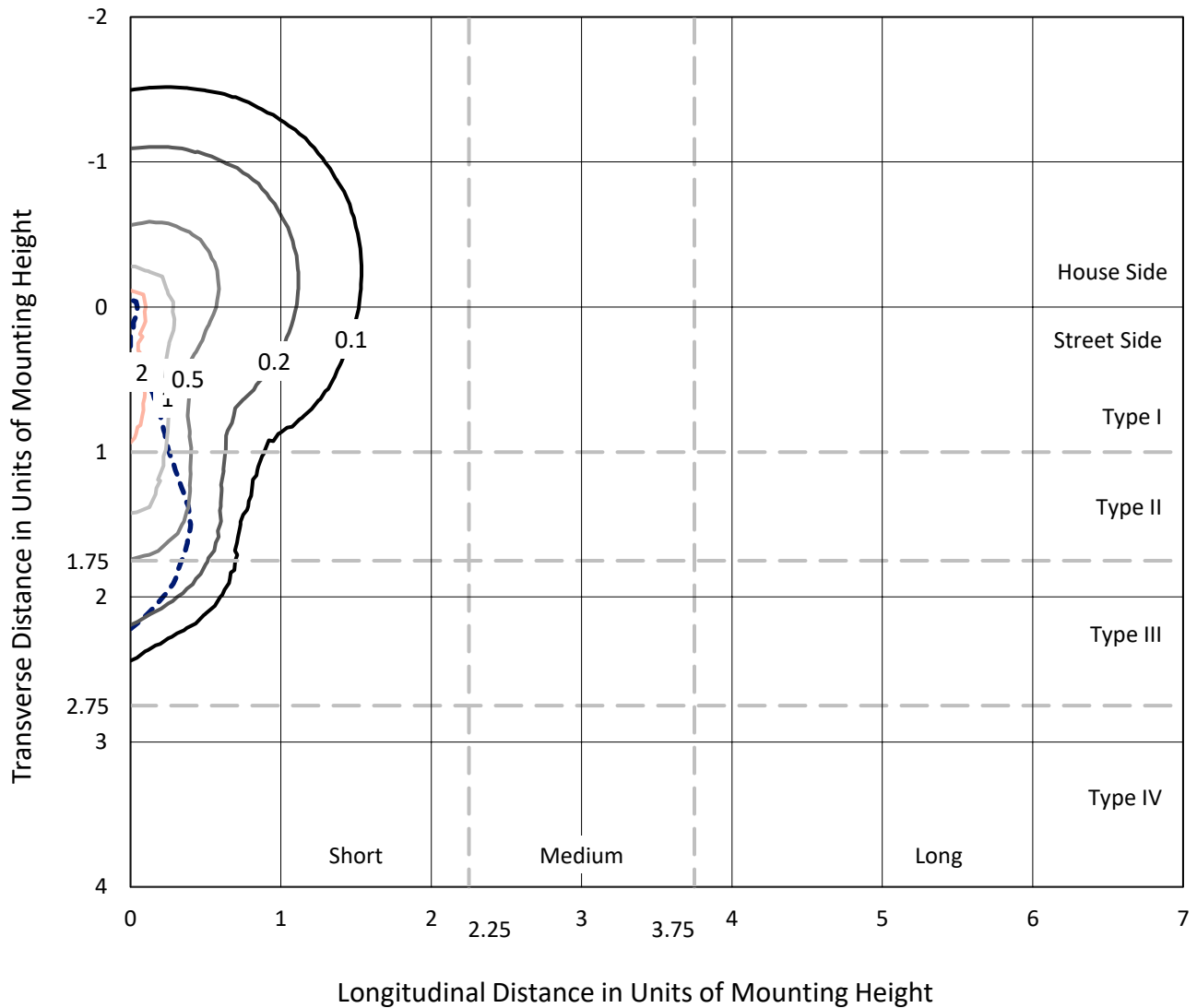
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

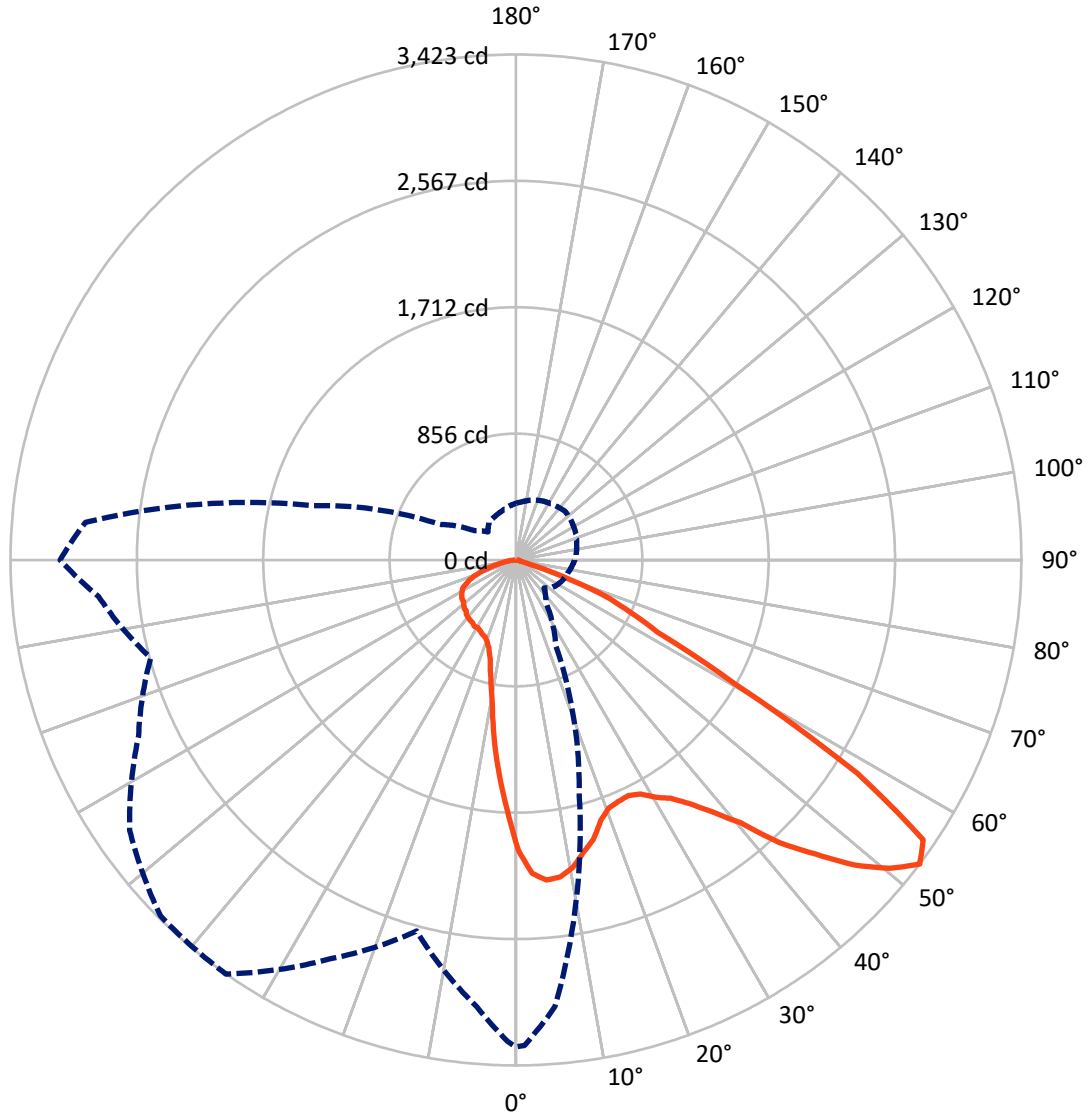
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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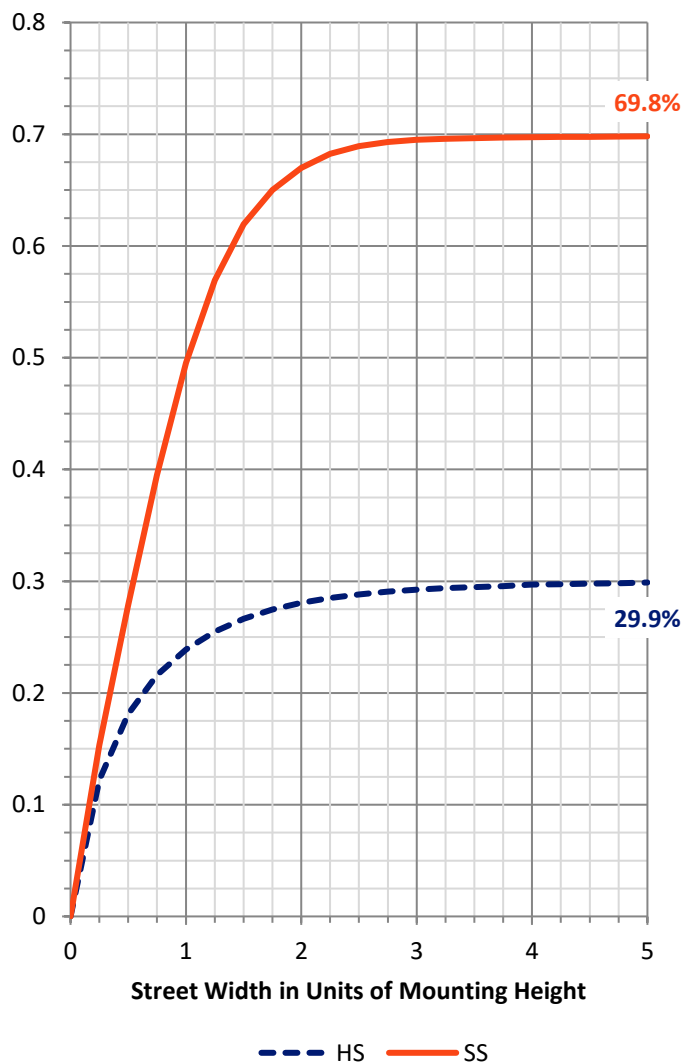
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1335.8	0.0	1335.8
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	3095.2	0.0	3095.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	4431.0	0.0	4431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	3.4
10°-20°	325.2	7.3
20°-30°	491.4	11.1
30°-40°	710.1	16.0
40°-50°	945.0	21.3
50°-60°	1057.0	23.9
60°-70°	595.7	13.4
70°-80°	132.8	3.0
80°-90°	23.6	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°	4431.0	100.0
0°-180°	4431.0	100.0

Coefficient of Utilization



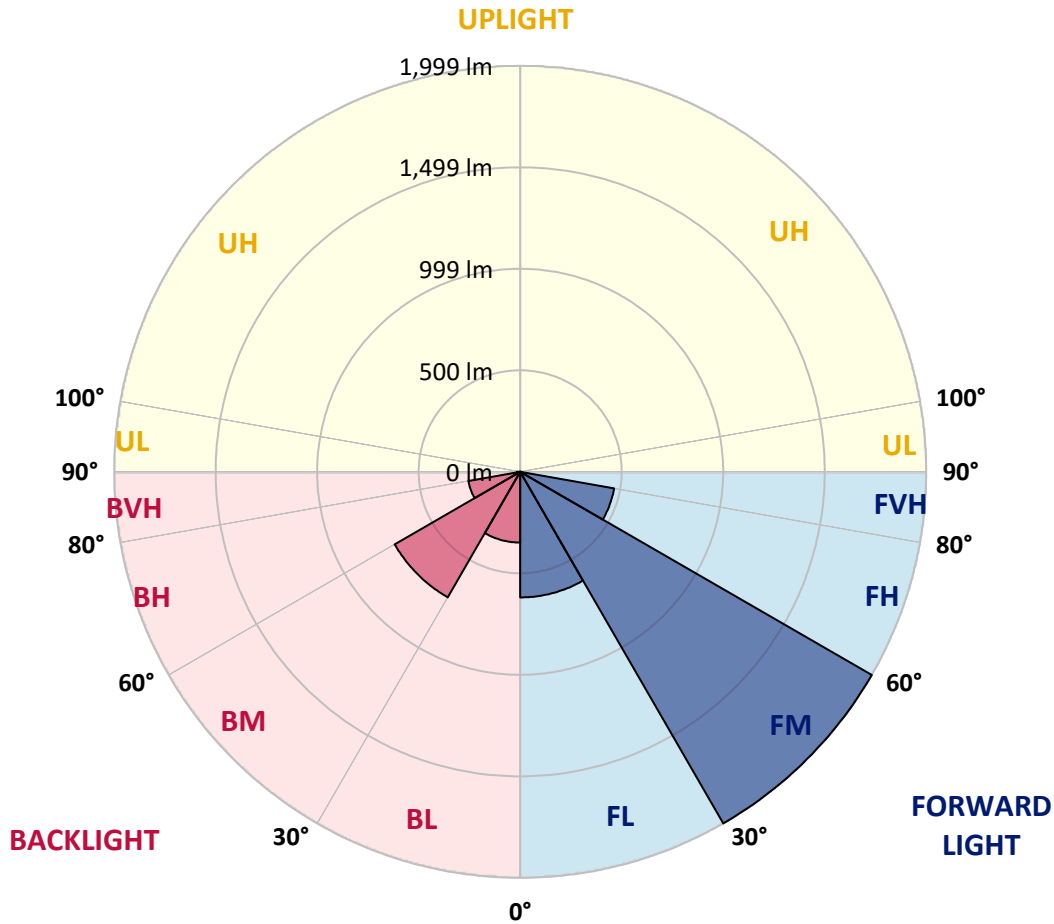
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	618.3	14.0			
FM (30°-60°)	1998.7	45.1			
FH (60°-80°)	469.6	10.6			G0/660
FVH (80°-90°)	8.6	0.2			G0/10
BL (0°-30°)	348.3	7.9	B1/500		
BM (30°-60°)	713.4	16.1	B1/1000		
BH (60°-80°)	258.9	5.8	B1/500		G1/500
BVH (80°-90°)	15.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5
2.5°	1999.3	2031.4	1996.7	1935.0	1891.4	1851.5	1809.8	1801.5	1746.9	1737.2	1697.4
5°	1885.6	1878.5	1836.1	1755.2	1665.9	1585.0	1525.3	1467.5	1428.3	1382.7	1379.5
7.5°	1747.5	1706.4	1682.0	1559.3	1448.9	1321.7	1267.1	1179.1	1151.5	1110.4	1089.2
10°	1624.2	1594.0	1536.9	1414.2	1260.1	1175.9	1117.5	1070.0	1037.8	995.5	942.1
12.5°	1563.2	1551.0	1486.8	1296.7	1182.3	1092.4	1051.3	1005.1	950.5	882.4	856.1
15°	1574.1	1533.0	1484.2	1274.2	1116.2	1029.5	964.0	906.2	836.2	771.3	733.4
17.5°	1655.7	1624.2	1526.6	1288.3	1091.1	965.9	847.1	761.7	698.7	640.3	614.0
20°	1816.2	1770.6	1660.8	1306.3	1037.2	877.3	741.1	635.8	568.4	537.5	528.6
22.5°	1994.1	1967.1	1791.8	1346.8	994.2	795.1	628.7	523.4	498.4	490.0	506.7
25°	2210.6	2140.5	1995.4	1412.9	960.8	725.1	533.7	475.2	462.4	470.8	490.0
27.5°	2375.0	2356.3	2138.0	1475.2	915.2	640.9	480.4	441.9	445.7	454.1	472.0
30°	2570.2	2475.8	2276.1	1518.2	874.1	583.1	443.1	432.9	436.7	450.8	459.8
32.5°	2687.7	2652.4	2362.8	1583.1	826.5	533.1	414.2	404.6	410.4	431.6	452.8
35°	2837.4	2767.4	2470.0	1599.8	793.2	513.1	393.7	386.6	400.1	414.9	438.6
37.5°	3012.1	2963.9	2618.4	1588.2	775.2	492.6	376.3	373.1	382.8	403.3	430.9
40°	3115.5	3100.7	2696.1	1595.3	746.9	474.6	356.4	360.3	380.2	396.3	423.2
42.5°	3215.0	3118.7	2811.0	1592.7	728.9	450.2	358.4	353.9	369.3	387.9	413.6
45°	3236.8	3141.1	2838.0	1574.7	707.1	426.4	343.6	345.5	364.1	387.3	404.0
47.5°	3222.7	3152.1	2888.1	1569.6	686.5	409.7	321.8	344.9	355.8	374.4	398.2
50°	3213.1	3209.2	2930.5	1594.0	658.9	383.4	295.4	336.5	347.4	366.1	391.8
52.5°	3297.8	3289.5	3036.5	1658.2	637.1	355.2	268.5	315.3	341.7	359.6	384.7
55°	3349.2	3312.6	3218.2	1737.2	600.5	317.9	249.8	289.0	327.5	343.6	369.3
57.5°	3012.7	2987.6	2911.2	1621.6	538.8	269.1	226.7	262.0	308.3	333.3	359.6
60°	2506.6	2467.4	2271.6	1378.2	397.5	209.4	212.6	240.8	303.1	312.8	343.6
62.5°	2363.4	2266.4	1999.9	1109.1	305.1	179.8	190.7	221.6	276.2	292.2	323.0
65°	1875.3	1803.4	1430.9	800.9	204.2	156.1	174.0	199.7	238.3	269.7	298.0
67.5°	1174.0	1105.3	763.6	378.9	142.6	133.6	155.4	182.4	213.9	242.1	273.6
70°	613.3	538.2	352.6	136.8	98.3	109.2	129.7	155.4	186.2	209.4	233.8
72.5°	228.6	185.6	115.0	59.1	68.1	83.5	105.3	124.0	145.8	174.0	187.5
75°	35.3	30.2	29.5	36.0	46.2	60.4	75.1	93.8	113.0	131.0	140.0
77.5°	16.7	16.1	18.0	23.8	30.8	43.0	54.6	72.6	88.0	99.5	104.7
80°	10.9	10.3	11.6	16.1	23.1	32.1	43.7	55.9	70.0	79.6	78.4
82.5°	6.4	7.1	7.1	10.9	16.1	23.1	31.5	42.4	52.0	60.4	55.2
85°	3.9	3.2	3.2	6.4	10.9	18.6	26.3	18.0	18.6	18.6	21.2
87.5°	1.3	1.3	1.3	0.6	1.3	1.3	1.9	3.2	3.9	4.5	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5
2.5°	1696.1	1716.0	1709.0	1683.9	1703.2	1706.4	1693.6	1737.9	1746.2	1732.7	1736.6
5°	1375.0	1380.2	1391.7	1416.1	1433.5	1454.0	1454.0	1455.3	1438.0	1481.6	1468.8
7.5°	1071.2	1074.4	1087.9	1140.0	1154.7	1193.9	1210.6	1199.0	1164.4	1149.6	1161.8
10°	924.8	906.2	901.7	908.1	941.5	958.2	972.3	968.5	962.7	951.1	938.3
12.5°	827.2	813.7	802.8	787.4	789.3	805.4	816.3	807.3	809.9	812.4	816.3
15°	721.2	711.6	705.8	682.7	680.1	691.0	694.9	700.0	709.7	710.3	705.8
17.5°	608.8	600.5	613.3	626.2	617.2	617.8	624.9	629.4	626.8	615.3	609.5
20°	531.8	540.8	553.6	565.8	575.4	581.2	583.8	576.7	568.4	544.6	544.0
22.5°	509.3	520.8	531.8	550.4	559.4	574.2	560.7	544.6	533.1	521.5	508.0
25°	492.6	502.2	524.1	531.1	548.5	560.7	551.0	535.0	515.1	498.4	488.1
27.5°	480.4	491.3	505.4	524.7	538.2	545.3	535.6	529.2	508.6	488.7	474.0
30°	472.7	484.2	509.9	526.0	537.5	543.3	526.6	518.9	504.1	487.5	474.6
32.5°	467.5	477.8	499.7	520.2	527.9	527.9	530.5	521.5	500.9	472.7	461.8
35°	450.8	465.0	483.0	506.7	520.8	529.2	516.4	506.1	492.6	463.7	443.8
37.5°	441.2	450.8	474.0	496.4	508.6	517.6	512.5	494.5	476.5	452.8	436.7
40°	430.9	446.3	466.9	488.1	501.6	510.6	506.7	485.5	463.7	441.2	430.3
42.5°	423.9	434.1	455.3	479.1	495.2	512.5	500.9	474.6	459.2	428.4	416.2
45°	418.1	434.8	457.3	466.9	483.6	501.6	481.0	465.0	447.0	424.5	414.2
47.5°	411.0	426.4	441.2	466.9	474.6	483.0	479.1	453.4	438.0	413.6	406.5
50°	408.5	414.2	441.2	455.3	466.3	474.6	464.3	445.1	430.3	405.2	389.8
52.5°	398.2	409.1	426.4	445.1	458.6	468.8	452.1	439.9	420.0	393.7	384.1
55°	385.3	391.8	422.6	441.9	448.9	456.0	449.6	429.7	409.1	382.1	372.5
57.5°	368.6	383.4	408.5	435.4	444.4	448.3	438.0	421.9	396.3	372.5	357.1
60°	351.3	366.7	394.3	416.2	425.2	439.3	423.9	414.2	384.7	358.4	341.7
62.5°	334.0	351.3	371.9	399.5	407.2	413.0	409.1	395.6	371.9	342.3	321.8
65°	313.4	326.3	351.9	366.1	371.2	384.7	371.2	366.1	344.9	316.6	299.3
67.5°	282.6	293.5	316.0	329.5	333.3	339.1	338.5	332.7	308.9	289.6	274.2
70°	247.3	256.9	271.0	287.1	289.0	296.1	289.6	288.4	272.9	246.6	238.3
72.5°	198.4	207.4	226.1	233.1	233.8	236.3	233.1	228.6	224.8	197.2	188.8
75°	152.2	157.3	166.3	172.8	172.8	176.0	174.0	169.5	159.3	141.9	133.6
77.5°	106.0	111.1	122.7	126.5	125.9	127.2	121.4	116.9	101.5	92.5	85.4
80°	77.1	80.3	86.1	88.6	89.3	91.2	84.1	80.3	71.3	61.0	57.8
82.5°	55.9	57.8	58.4	61.7	61.7	58.4	56.5	52.7	46.2	39.8	37.2
85°	23.1	23.8	24.4	28.3	28.9	34.7	32.1	30.2	26.3	22.5	20.6
87.5°	5.8	6.4	8.3	7.1	8.3	8.3	9.0	10.3	10.3	8.3	8.3
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°	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5
2.5°	1751.4	1756.5	1822.0	1830.4	1862.5	1895.2	1961.4	2008.9	2047.4	2072.5	2079.5
5°	1482.3	1515.0	1545.2	1594.0	1638.3	1701.3	1773.8	1863.7	1976.8	2034.6	2057.7
7.5°	1160.5	1199.0	1242.7	1290.2	1355.1	1468.1	1565.1	1669.2	1813.7	1873.4	1963.9
10°	947.3	990.3	1048.1	1084.7	1163.1	1271.0	1384.0	1504.1	1642.2	1728.2	1832.9
12.5°	837.5	872.8	926.1	1003.2	1061.6	1131.6	1215.7	1367.3	1565.1	1646.7	1718.6
15°	716.1	755.3	816.9	902.3	972.3	1055.8	1150.2	1315.3	1525.9	1651.8	1712.8
17.5°	615.9	644.2	709.0	782.9	863.2	954.4	1089.9	1312.7	1567.0	1728.2	1827.8
20°	546.5	550.4	585.7	648.7	757.8	876.6	1052.6	1299.9	1698.7	1859.9	1985.8
22.5°	502.9	499.0	499.7	553.0	629.4	800.2	994.2	1343.5	1848.3	2069.3	2154.0
25°	481.0	470.8	464.3	475.9	545.3	709.7	949.9	1401.3	2009.5	2242.0	2346.1
27.5°	469.5	451.5	438.6	440.6	491.3	664.1	922.2	1426.4	2169.4	2482.9	2519.5
30°	465.0	442.5	423.9	417.4	450.8	600.5	863.2	1469.4	2312.7	2615.2	2646.6
32.5°	448.9	421.3	403.3	397.5	411.0	544.6	820.8	1500.2	2439.2	2759.0	2748.1
35°	430.3	407.2	384.7	373.8	383.4	508.6	786.7	1485.5	2588.2	2870.8	2865.0
37.5°	428.4	398.2	379.6	361.6	360.9	464.3	740.5	1499.6	2683.2	3071.1	2992.1
40°	411.7	392.4	368.0	353.2	344.9	441.9	695.5	1466.2	2822.6	3152.1	3074.3
42.5°	412.3	383.4	362.2	344.9	336.5	409.1	664.7	1457.2	2871.4	3283.7	3112.9
45°	402.0	373.8	355.8	335.2	330.7	384.1	635.2	1415.5	2957.5	3290.1	3064.7
47.5°	391.8	366.7	347.4	323.0	312.8	375.1	612.0	1380.8	2912.5	3229.8	2997.9
50°	384.7	355.8	337.8	320.5	291.6	359.6	581.9	1372.4	2849.6	3148.2	2874.0
52.5°	372.5	346.8	328.2	314.7	268.5	345.5	570.3	1421.3	2926.6	3087.2	2838.0
55°	360.9	334.6	310.8	284.5	249.2	308.3	538.2	1466.9	3039.0	3227.8	3001.1
57.5°	348.7	323.7	298.0	266.5	230.6	269.7	504.8	1475.2	2828.4	2983.2	2848.9
60°	332.7	300.6	281.3	240.2	210.7	223.5	400.1	1300.5	2193.9	2491.2	2495.7
62.5°	314.7	280.0	263.3	215.1	190.1	192.7	326.3	1093.1	1779.6	2062.2	2184.9
65°	290.9	257.5	237.6	199.1	175.3	167.0	238.9	800.9	1351.9	1673.0	1812.4
67.5°	260.1	228.6	203.6	173.4	156.7	143.2	163.1	450.8	798.3	1123.3	1165.6
70°	227.3	200.4	174.0	149.0	130.4	120.7	119.5	199.7	381.5	604.3	687.8
72.5°	179.2	159.9	138.7	120.1	107.9	93.8	85.4	82.8	129.1	246.0	339.7
75°	128.4	112.4	100.2	88.0	79.0	71.3	64.9	59.1	53.9	61.7	84.8
77.5°	80.9	75.1	65.5	62.3	57.2	55.2	52.7	49.5	45.6	43.0	43.0
80°	54.6	50.7	47.5	46.9	45.0	44.3	45.0	41.7	37.9	34.7	36.0
82.5°	36.6	36.0	35.3	34.7	35.3	36.0	37.2	36.6	33.4	31.5	32.1
85°	21.8	23.1	24.4	25.7	28.3	25.0	20.6	17.3	15.4	14.1	13.5
87.5°	8.3	11.6	10.3	9.6	10.3	9.6	9.0	8.3	7.1	6.4	6.4
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°	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5
2.5°	2126.4	2139.3	2150.2	2147.6	2125.1	2095.0	2082.7	2020.5	2007.6	1999.3
5°	2155.3	2229.8	2245.9	2236.2	2177.8	2103.9	2032.0	1940.8	1887.5	1885.6
7.5°	2102.0	2193.9	2222.8	2244.6	2166.9	2038.4	1915.1	1778.3	1744.9	1747.5
10°	1966.5	2112.9	2184.2	2206.7	2117.4	2006.3	1835.5	1696.8	1625.5	1624.2
12.5°	1891.4	2006.3	2026.2	2057.7	2031.4	1919.0	1789.2	1633.8	1564.5	1563.2
15°	1824.6	1900.4	1906.1	1950.4	1964.6	1888.8	1801.5	1635.8	1579.9	1574.1
17.5°	1883.0	1830.4	1808.5	1814.3	1856.0	1883.7	1872.1	1744.9	1687.8	1655.7
20°	1922.2	1804.7	1738.5	1744.9	1794.4	1895.2	1977.4	1902.9	1812.4	1816.2
22.5°	2026.9	1808.5	1705.1	1698.1	1776.4	1955.6	2096.2	2102.7	2015.3	1994.1
25°	2183.6	1852.8	1694.8	1692.9	1768.1	2020.5	2235.0	2339.0	2249.7	2210.6
27.5°	2309.5	1922.2	1727.0	1733.4	1794.4	2073.1	2353.1	2491.2	2423.1	2375.0
30°	2419.9	1994.1	1771.9	1742.4	1865.0	2100.7	2403.9	2664.6	2610.0	2570.2
32.5°	2465.5	2096.2	1843.2	1794.4	1923.5	2134.1	2509.2	2832.9	2786.0	2687.7
35°	2542.6	2153.4	1881.7	1877.9	2025.6	2214.4	2558.6	2944.0	2924.7	2837.4
37.5°	2604.2	2211.2	2018.5	1976.1	2165.6	2349.3	2638.3	3097.5	3053.2	3012.1
40°	2651.8	2314.6	2146.3	2202.2	2337.7	2471.9	2711.5	3107.1	3234.9	3115.5
42.5°	2608.1	2407.1	2356.3	2489.9	2618.4	2611.9	2719.8	3181.6	3277.3	3215.0
45°	2597.2	2563.8	2688.4	2809.8	2839.3	2728.2	2660.1	3099.4	3264.4	3236.8
47.5°	2570.8	2717.9	2935.0	3132.8	3087.8	2805.9	2588.8	3084.6	3272.2	3222.7
50°	2561.9	2751.3	3117.4	3310.0	3283.1	2873.3	2555.4	2989.6	3217.6	3213.1
52.5°	2561.2	2820.0	3193.2	3406.4	3423.1	2979.9	2601.0	3037.7	3260.0	3297.8
55°	2590.1	2798.2	3183.5	3353.1	3346.7	2932.4	2606.2	3069.9	3312.0	3349.2
57.5°	2443.0	2506.6	2627.4	2761.6	2726.9	2428.9	2327.4	2838.0	3039.7	3012.7
60°	2109.7	1910.6	1774.5	1768.1	1700.6	1607.5	1904.9	2533.0	2533.0	2506.6
62.5°	1847.7	1254.3	1077.7	1027.6	1075.7	1183.0	1837.4	2463.6	2393.6	2363.4
65°	1615.8	957.6	779.0	764.9	848.4	1010.2	1661.4	2098.8	1975.5	1875.3
67.5°	1039.8	701.3	579.3	554.2	655.1	741.8	1105.9	1290.9	1213.2	1174.0
70°	670.5	456.6	322.4	302.5	341.7	457.3	706.5	752.7	639.7	613.3
72.5°	317.3	197.2	113.0	93.1	104.7	174.7	279.4	300.6	249.8	228.6
75°	100.8	72.6	46.2	39.8	37.9	45.0	64.2	49.5	36.0	35.3
77.5°	45.0	43.0	36.6	30.8	27.0	22.5	18.6	15.4	16.1	16.7
80°	37.2	34.0	30.2	27.0	22.5	17.3	13.5	10.3	10.3	10.9
82.5°	32.8	29.5	26.3	22.5	19.3	14.1	10.3	7.1	6.4	6.4
85°	14.1	16.7	18.0	19.3	15.4	11.6	7.1	4.5	3.9	3.9
87.5°	5.8	5.1	4.5	3.9	3.2	3.2	2.6	1.9	1.3	1.3
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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