

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: P526053

Luminaire Tested: **GALN-SA1A-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526053  
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-SA1A-727-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 615mA 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: 2140 lumens  
Efficiency: N/A  
Efficacy: 64.8 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

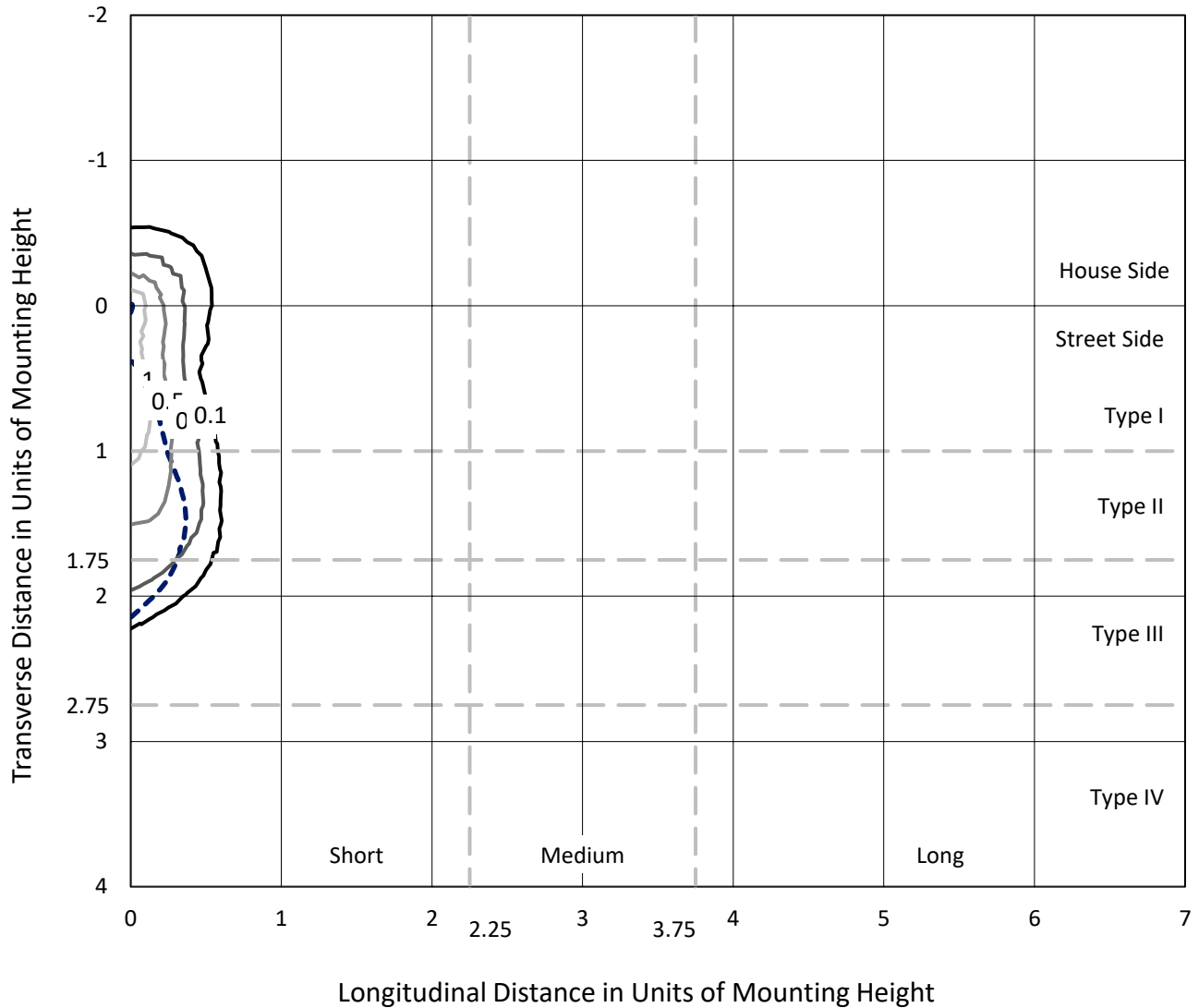
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

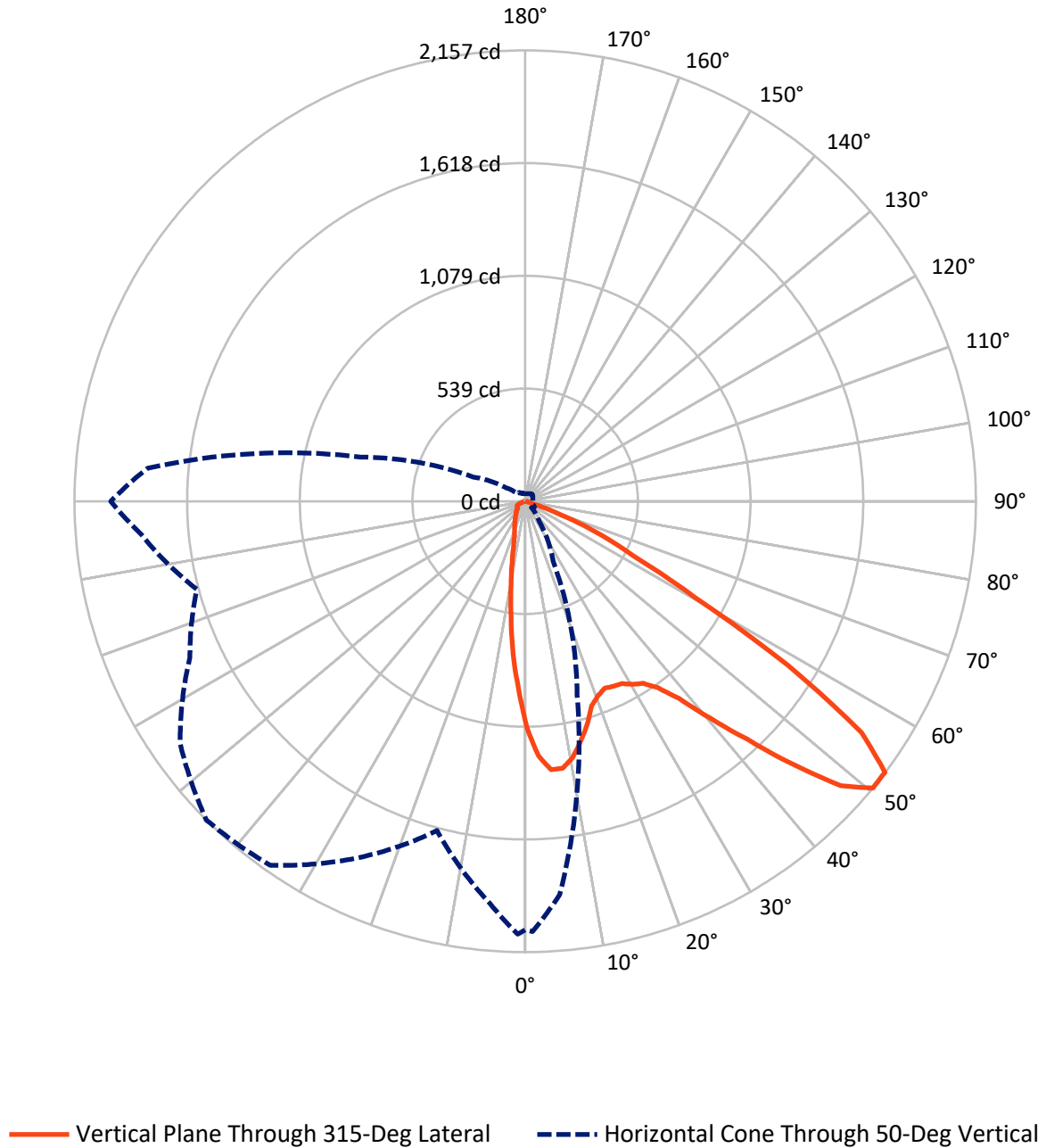
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	428.6	0.0	428.6
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	1711.4	0.0	1711.4
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	2140.0	0.0	2140.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.1	3.7
10°-20°	157.2	7.3
20°-30°	236.2	11.0
30°-40°	354.5	16.6
40°-50°	498.2	23.3
50°-60°	537.4	25.1
60°-70°	249.5	11.7
70°-80°	23.5	1.1
80°-90°	4.3	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°	2140.0	100.0
0°-180°	2140.0	100.0

**Coefficient of Utilization**



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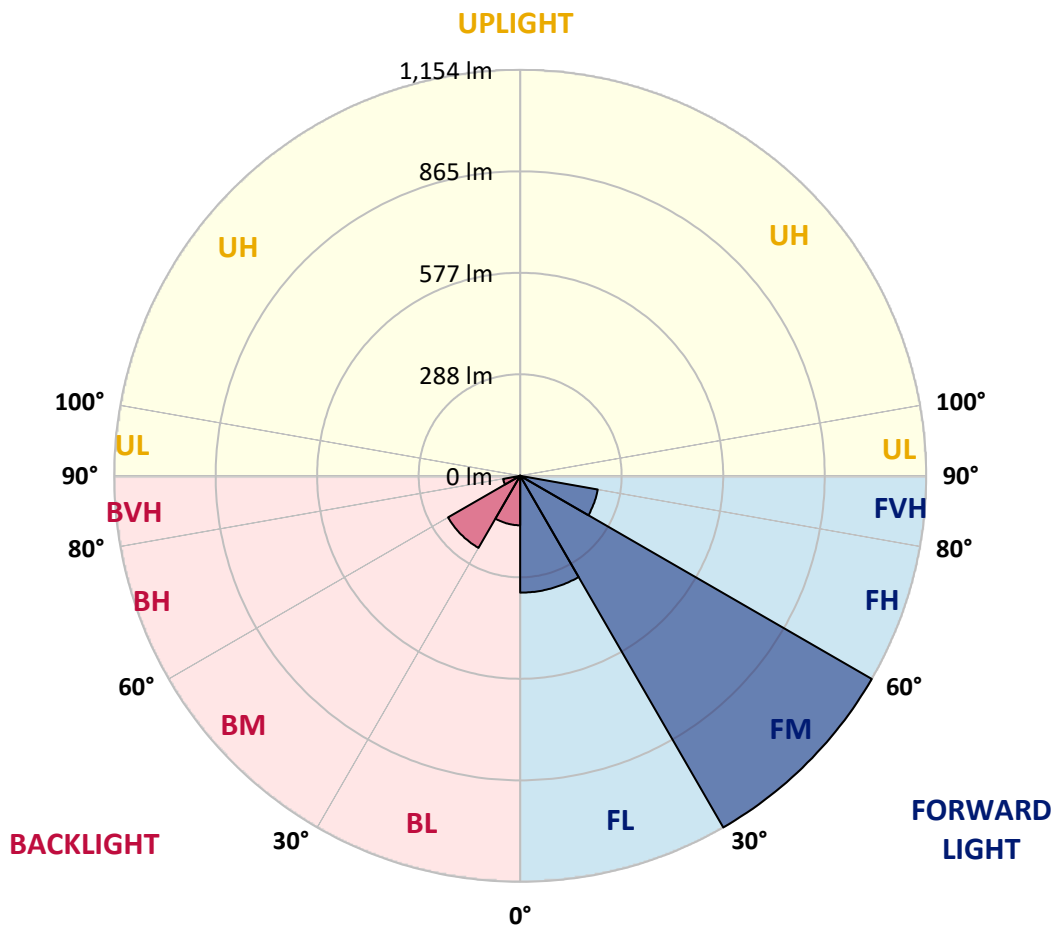
CATALOG NUMBER: GALN-SA1A-727-U-SLR-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.0	15.5			
FM (30°-60°)	1153.6	53.9			
FH (60°-80°)	223.8	10.5			G0/660
FVH (80°-90°)	1.9	0.1			G0/10
BL (0°-30°)	140.5	6.6	B1/500		
BM (30°-60°)	236.5	11.1	B1/1000		
BH (60°-80°)	49.2	2.3	B0/110		G0/110
BVH (80°-90°)	2.4	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°	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2
2.5°	1128.1	1110.7	1088.6	1070.4	1043.2	988.4	973.6	955.8	940.9	920.9	892.9
5°	1025.8	1020.3	1010.1	941.3	891.6	825.4	771.1	748.1	718.0	693.4	675.5
7.5°	947.7	925.6	893.3	824.1	744.7	673.8	613.5	578.3	538.4	524.8	500.6
10°	864.0	869.1	821.6	724.3	628.4	571.1	533.7	499.7	463.7	439.9	405.5
12.5°	837.3	820.7	784.2	664.1	582.1	528.6	483.2	441.1	402.9	364.7	331.6
15°	854.7	829.2	778.3	651.3	546.4	479.8	422.9	366.0	330.8	281.9	247.5
17.5°	917.1	896.7	828.4	664.9	528.2	433.1	348.6	290.0	236.1	191.9	174.5
20°	1021.1	992.3	906.5	682.3	501.0	376.6	282.8	210.6	159.6	141.0	131.2
22.5°	1123.0	1107.3	999.1	715.9	476.8	326.5	212.3	141.8	119.3	115.9	109.5
25°	1317.1	1269.9	1140.4	776.6	458.1	279.4	160.1	114.2	101.1	98.5	99.4
27.5°	1432.6	1393.1	1271.2	816.9	437.3	243.3	135.4	104.9	96.0	90.4	88.3
30°	1543.4	1497.5	1336.2	840.7	392.7	205.1	120.2	100.6	98.5	90.4	87.9
32.5°	1628.7	1583.7	1430.0	876.4	374.5	180.5	98.9	78.5	73.0	72.2	79.8
35°	1759.5	1711.5	1510.3	895.9	360.5	167.7	85.8	70.1	63.7	61.1	61.6
37.5°	1881.4	1848.7	1584.6	903.5	345.6	163.9	76.9	62.8	57.3	55.6	55.2
40°	1983.3	1910.2	1655.0	911.6	339.2	156.7	71.3	57.3	53.5	51.0	51.0
42.5°	2030.0	1955.7	1734.0	906.9	337.5	145.2	71.3	52.6	49.7	47.1	46.7
45°	2019.8	1989.6	1769.3	904.8	337.5	133.7	65.0	51.4	47.1	43.7	42.9
47.5°	2046.1	2006.6	1813.4	913.7	330.8	125.7	54.8	53.9	44.6	40.3	39.5
50°	2050.8	2058.4	1890.3	960.0	315.9	115.5	42.9	53.1	42.9	36.5	35.7
52°	2081.3	2033.8	1913.6	984.6	300.2	107.8	36.1	45.4	41.2	34.0	33.1
52.5°	2039.3	2070.3	1919.1	993.5	301.9	102.8	34.8	44.6	40.3	34.0	31.8
55°	1992.2	2021.9	1896.6	1012.6	276.8	80.7	27.2	32.3	36.5	29.7	28.4
57.5°	1731.5	1761.6	1648.3	927.3	225.5	56.9	22.5	24.2	32.3	27.6	26.3
60°	1539.1	1517.5	1383.3	773.6	160.1	31.8	17.8	18.7	35.2	25.5	25.1
62.5°	1406.7	1360.4	1156.2	597.4	97.7	21.2	14.0	14.4	27.2	23.8	23.8
65°	1040.7	988.9	768.1	361.3	48.0	14.9	10.6	11.5	17.0	20.4	20.4
67.5°	594.0	574.0	371.1	163.0	20.0	9.3	8.1	8.9	13.2	16.6	15.7
70°	273.0	245.0	142.7	34.4	9.3	6.4	6.4	7.2	10.6	12.3	11.5
72.5°	79.8	75.6	34.8	5.5	3.8	3.8	4.2	5.5	8.1	9.3	8.5
75°	5.9	3.8	2.5	1.7	1.7	2.5	3.4	5.5	8.1	8.9	7.2
77.5°	0.4	0.8	0.4	0.4	1.3	2.5	3.8	6.8	10.6	11.0	8.1
80°	0.4	0.4	0.0	0.4	1.3	2.5	4.2	7.6	11.9	12.7	6.8
82.5°	0.0	0.0	0.0	0.4	1.7	3.4	5.1	8.1	11.0	13.6	7.2
85°	0.0	0.0	0.0	0.4	2.5	4.7	5.9	2.1	1.3	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°	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2
2.5°	912.9	901.8	897.6	901.4	900.1	898.9	922.2	917.1	916.3	923.9	922.2
5°	685.3	665.8	719.3	697.6	720.1	733.7	736.2	737.5	753.2	736.7	758.3
7.5°	488.3	493.4	492.9	507.4	533.3	556.2	569.8	559.2	558.3	556.2	546.9
10°	390.2	381.3	379.6	376.2	384.3	403.8	420.3	407.2	397.8	410.6	406.8
12.5°	318.9	306.6	299.8	286.2	286.6	299.8	299.8	299.8	309.1	316.3	321.8
15°	244.6	234.4	234.4	220.8	217.8	218.2	225.0	225.9	240.7	245.0	247.1
17.5°	171.1	165.6	172.0	177.5	174.1	174.9	177.5	178.3	180.5	178.8	183.0
20°	131.6	130.8	132.5	142.2	149.5	153.7	150.7	146.5	143.9	138.0	138.0
22.5°	111.7	113.4	116.3	124.4	133.7	136.3	132.9	123.1	115.5	114.6	115.1
25°	99.4	101.1	105.7	110.8	115.9	120.2	116.8	109.5	105.3	101.5	101.5
27.5°	91.7	92.6	95.1	98.9	103.2	106.6	105.3	101.5	96.8	95.1	91.3
30°	85.8	87.0	90.0	90.9	94.7	96.4	94.3	93.4	90.4	88.3	87.0
32.5°	82.8	82.4	84.5	85.3	85.8	87.0	84.5	85.8	85.3	81.9	80.7
35°	62.4	65.8	71.3	76.0	77.3	79.0	78.5	76.9	72.2	68.4	63.7
37.5°	56.0	58.2	61.1	65.0	70.1	72.2	71.3	67.1	61.6	59.0	58.2
40°	51.8	53.1	55.6	58.2	63.3	67.1	64.1	60.3	56.0	53.9	52.6
42.5°	48.0	48.4	49.7	52.2	56.0	62.0	56.9	51.8	50.1	48.8	48.0
45°	43.7	43.7	45.4	46.7	51.0	56.5	51.4	46.7	45.9	45.0	44.6
47.5°	40.3	40.8	41.6	43.3	46.7	50.5	47.1	43.3	41.2	40.8	39.9
50°	36.1	36.5	38.2	39.9	44.2	46.3	44.2	39.9	37.8	36.5	36.5
52°	32.7	34.0	35.7	39.1	42.0	45.4	42.9	38.2	35.7	34.4	33.5
52.5°	32.3	33.1	34.8	38.6	42.0	45.0	42.5	37.8	34.8	34.0	33.1
55°	28.9	30.1	33.1	37.8	41.6	45.0	41.6	37.4	33.1	31.0	30.1
57.5°	27.6	28.4	32.3	38.2	41.2	45.0	41.6	37.4	33.1	29.3	28.4
60°	26.3	28.0	32.3	36.9	40.8	45.4	42.0	36.9	32.3	27.6	27.6
62.5°	25.1	26.3	31.8	36.1	39.1	43.7	40.3	36.1	31.0	26.3	25.9
65°	21.7	23.8	28.0	30.1	33.5	37.8	34.4	31.4	27.2	23.4	22.9
67.5°	16.6	17.4	20.8	23.4	25.5	29.3	27.6	23.8	20.8	17.8	17.8
70°	11.5	12.3	14.9	16.1	18.3	20.4	19.1	16.1	14.0	12.3	11.9
72.5°	8.1	8.5	9.3	10.2	11.0	11.9	11.5	9.3	8.1	7.6	7.2
75°	6.4	7.2	7.6	7.2	6.8	6.4	6.4	5.5	4.7	4.2	4.2
77.5°	6.4	6.8	6.4	5.5	4.7	4.2	3.8	3.4	2.5	2.1	2.5
80°	5.5	5.5	5.5	4.7	4.2	3.8	3.4	3.0	2.5	2.1	2.1
82.5°	5.9	5.9	5.5	4.7	4.7	3.8	3.8	3.4	3.0	2.1	2.1
85°	0.0	0.0	0.0	0.8	2.1	3.8	3.8	3.4	3.0	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.4	0.8	1.7	2.1	2.5	2.5	2.5
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°	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2
2.5°	937.5	953.6	984.2	1014.8	1033.4	1055.5	1095.4	1116.7	1144.3	1157.9	1184.6
5°	755.3	793.6	807.1	842.0	879.3	916.7	976.1	1041.5	1095.9	1133.2	1181.6
7.5°	551.1	560.0	612.7	636.0	697.2	765.1	846.2	928.6	997.4	1058.5	1095.4
10°	413.1	445.8	478.9	523.5	572.8	642.8	720.5	811.4	900.6	961.7	1008.4
12.5°	332.0	357.9	402.1	450.1	510.8	557.1	635.2	725.2	840.7	900.6	962.1
15°	251.4	284.5	334.6	384.3	448.4	497.2	576.2	689.5	838.1	920.5	973.6
17.5°	186.4	208.9	253.9	309.5	374.9	443.7	550.3	685.7	866.6	964.7	1019.4
20°	142.7	150.3	178.8	228.4	299.3	389.3	508.2	702.3	950.7	1072.1	1127.7
22.5°	115.5	118.9	129.9	164.3	233.1	341.8	488.3	713.7	1045.3	1200.7	1275.0
25°	100.6	99.8	107.0	121.9	182.1	297.2	462.8	757.0	1161.3	1351.9	1418.6
27.5°	91.7	91.7	95.1	105.7	151.2	268.3	446.7	788.0	1278.0	1484.8	1520.9
30°	87.0	87.9	97.7	101.1	125.7	233.9	419.9	819.5	1389.7	1569.7	1619.4
32.5°	80.7	77.3	75.2	83.6	105.7	203.0	393.2	832.6	1480.1	1673.7	1716.2
35°	62.0	60.3	62.8	69.2	90.9	176.6	363.4	847.5	1584.1	1794.3	1802.8
37.5°	56.0	55.6	57.3	62.8	76.4	153.7	342.2	843.7	1663.5	1894.1	1871.2
40°	51.8	51.8	53.1	57.7	68.4	137.6	320.1	840.3	1740.4	2006.2	1939.1
42.5°	48.4	48.4	50.5	53.5	65.0	127.0	303.6	835.6	1804.9	2075.0	1979.0
45°	43.7	45.0	48.4	51.4	65.8	119.7	291.3	817.8	1827.0	2074.1	1959.9
47.5°	40.3	42.0	45.4	49.7	59.4	117.6	282.8	802.0	1819.4	2023.2	1900.0
50°	36.5	38.6	43.3	50.5	50.5	113.4	273.9	816.1	1813.8	1983.7	1842.7
52°	34.0	35.7	41.6	49.3	44.2	104.4	268.3	843.2	1836.3	1978.6	1817.2
52.5°	33.5	34.8	40.3	48.4	42.0	102.8	264.5	849.6	1843.6	1965.8	1834.6
55°	29.7	31.4	36.9	37.8	34.4	84.5	252.2	864.0	1807.9	1940.8	1818.1
57.5°	28.0	28.9	32.7	31.0	29.7	63.7	217.0	841.5	1605.8	1723.8	1691.6
60°	25.9	26.7	30.6	24.2	25.1	44.6	163.0	730.7	1289.5	1436.4	1494.6
62.5°	25.1	24.6	28.9	19.5	21.2	32.3	115.1	594.0	993.5	1182.5	1283.1
65°	22.1	21.7	20.8	16.6	18.3	25.1	68.8	387.6	700.1	894.6	949.8
67.5°	17.0	17.8	15.3	13.2	15.3	19.5	38.2	173.7	367.3	536.7	581.3
70°	11.9	12.7	12.3	11.5	13.6	16.1	22.1	59.4	152.0	281.9	310.8
72.5°	7.2	8.9	9.3	9.8	11.9	14.0	15.7	19.1	40.3	99.8	124.0
75°	4.2	5.9	7.2	8.5	9.8	11.9	13.2	13.6	14.0	18.7	30.1
77.5°	3.0	4.2	6.4	8.1	9.8	11.9	14.0	14.9	14.0	13.2	14.0
80°	2.5	4.2	5.9	7.6	10.2	12.3	14.0	14.0	13.6	11.9	12.7
82.5°	2.5	4.2	6.4	8.1	9.8	11.9	13.6	14.0	12.7	11.9	12.3
85°	3.0	4.7	6.8	8.5	10.6	9.8	8.9	7.2	6.8	5.5	5.9
87.5°	3.0	4.2	4.2	4.7	5.1	5.1	5.1	4.7	3.8	3.4	3.4
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°	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2
2.5°	1185.9	1219.8	1218.6	1219.4	1214.3	1179.9	1163.4	1121.3	1133.2	1128.1
5°	1231.3	1264.9	1293.7	1290.3	1251.3	1204.6	1135.4	1070.0	1052.1	1025.8
7.5°	1185.9	1266.5	1293.3	1289.5	1231.7	1171.9	1061.5	996.1	965.1	947.7
10°	1113.7	1207.1	1240.2	1247.0	1208.0	1117.1	1015.6	910.7	894.2	864.0
12.5°	1072.5	1140.4	1160.8	1179.1	1165.5	1097.6	980.8	880.2	857.2	837.3
15°	1039.0	1079.3	1087.8	1108.6	1116.7	1080.2	999.1	913.3	856.8	854.7
17.5°	1070.0	1053.4	1022.4	1028.8	1054.3	1080.6	1046.2	978.7	923.9	917.1
20°	1121.3	1048.3	978.3	994.0	1015.2	1095.9	1117.5	1070.0	1038.5	1021.1
22.5°	1180.4	1057.2	964.2	971.9	1012.2	1130.3	1233.0	1206.7	1148.1	1123.0
25°	1289.5	1081.9	975.3	980.4	1035.6	1178.2	1337.5	1357.0	1322.2	1317.1
27.5°	1396.0	1145.5	999.5	988.0	1047.5	1224.9	1400.7	1505.6	1444.5	1432.6
30°	1450.4	1197.3	1035.6	1016.0	1096.7	1253.4	1438.9	1602.4	1548.9	1543.4
32.5°	1533.6	1244.5	1063.6	1038.5	1124.3	1288.6	1510.3	1708.1	1656.3	1628.7
35°	1568.4	1295.8	1125.2	1095.9	1203.3	1337.9	1546.8	1802.4	1786.2	1759.5
37.5°	1635.5	1351.0	1197.8	1196.1	1298.8	1402.0	1612.6	1930.6	1927.6	1881.4
40°	1641.0	1411.3	1312.4	1365.9	1446.6	1513.7	1670.3	1966.3	2014.7	1983.3
42.5°	1649.5	1517.1	1510.7	1554.8	1624.1	1609.6	1672.5	1974.8	2048.6	2030.0
45°	1653.3	1622.8	1712.4	1793.9	1822.8	1735.3	1652.5	1958.6	2066.5	2019.8
47.5°	1622.8	1713.6	1875.4	2032.9	2041.4	1812.6	1644.0	1942.1	2077.1	2046.1
50°	1627.0	1770.5	2016.4	2157.3	2126.3	1880.9	1630.8	1931.9	2071.6	2050.8
52°	1616.8	1771.8	2036.3	2154.8	2133.1	1843.1	1608.3	1892.8	2066.5	2081.3
52.5°	1628.3	1764.2	2015.5	2156.5	2128.5	1861.8	1605.4	1914.5	2069.4	2039.3
55°	1588.8	1673.3	1893.7	1953.5	1949.3	1689.9	1514.1	1842.7	1991.7	1992.2
57.5°	1436.0	1450.4	1485.2	1483.9	1464.4	1328.5	1295.0	1694.5	1775.6	1731.5
60°	1265.3	1061.9	968.1	929.9	908.2	886.1	1145.5	1550.2	1557.8	1539.1
62.5°	1093.3	736.2	611.4	600.8	605.9	686.6	1107.3	1492.9	1447.0	1406.7
65°	882.3	536.7	444.1	430.1	479.8	566.8	896.3	1144.7	1074.2	1040.7
67.5°	554.1	391.5	300.2	273.9	333.7	390.2	588.9	719.3	640.3	594.0
70°	328.6	218.7	135.9	121.9	137.1	208.0	329.9	358.8	296.8	273.0
72.5°	129.5	80.2	37.8	32.3	33.5	73.0	121.4	118.5	89.6	79.8
75°	34.8	24.2	13.2	10.6	8.9	13.6	19.5	12.7	4.7	5.9
77.5°	16.1	14.4	11.5	8.9	6.8	5.1	2.5	0.8	0.8	0.4
80°	14.0	12.3	10.6	8.9	6.8	4.2	2.1	0.4	0.4	0.4
82.5°	13.2	11.5	9.8	8.1	6.4	4.2	2.1	0.4	0.0	0.0
85°	5.5	7.2	8.1	7.6	6.8	4.2	2.1	0.4	0.0	0.0
87.5°	3.0	2.5	2.1	1.7	1.3	0.8	0.8	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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