

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: P526521

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526521
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-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 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: 3289 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

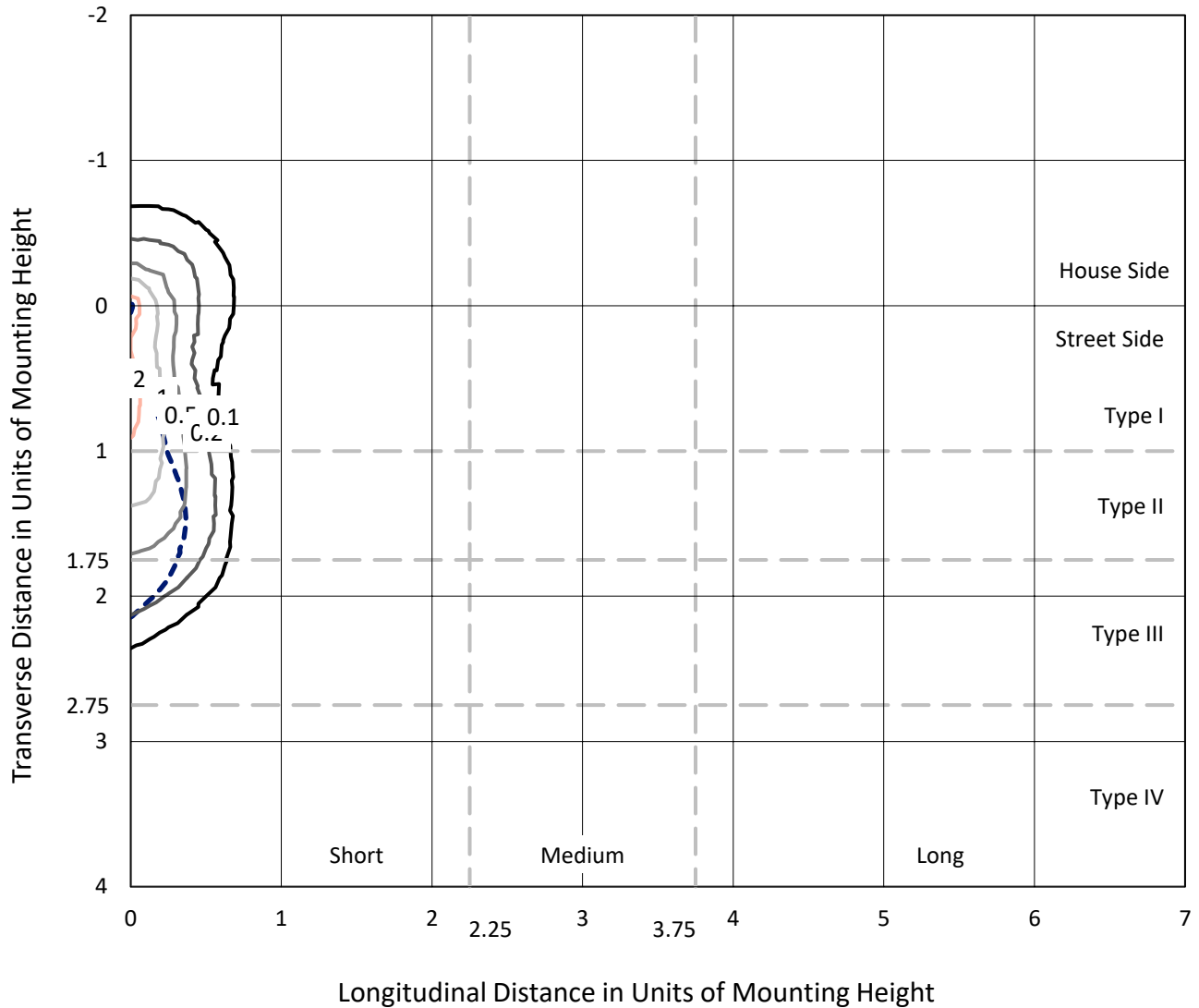
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

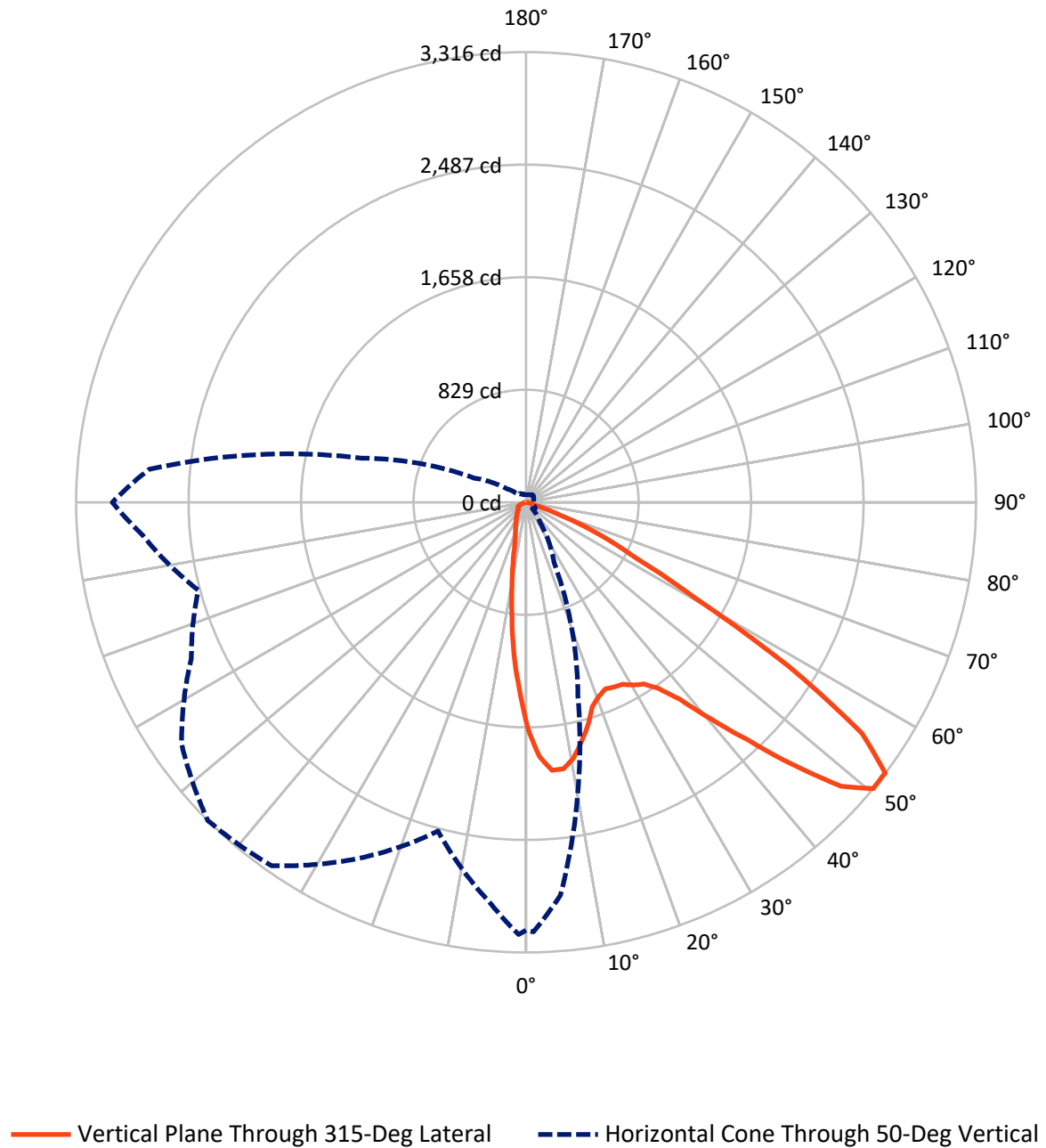
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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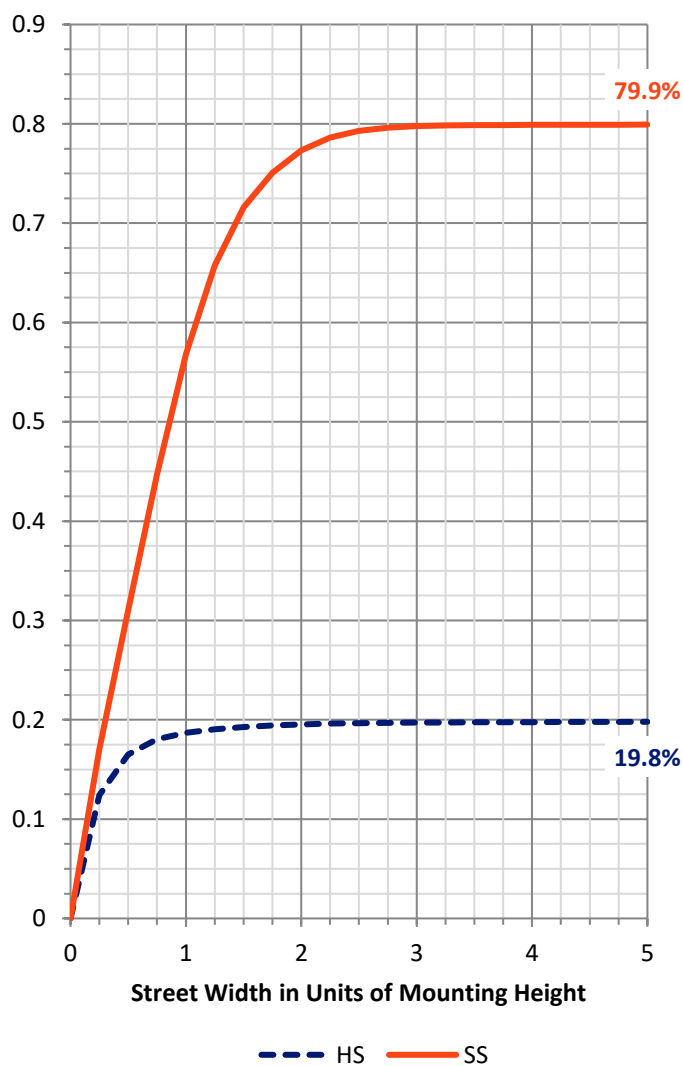
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	658.8	0.0	658.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2630.2	0.0	2630.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	3289.0	0.0	3289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	3.7
10°-20°	241.6	7.3
20°-30°	363.0	11.0
30°-40°	544.8	16.6
40°-50°	765.7	23.3
50°-60°	826.0	25.1
60°-70°	383.5	11.7
70°-80°	36.1	1.1
80°-90°	6.7	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°	3289.0	100.0
0°-180°	3289.0	100.0

Coefficient of Utilization

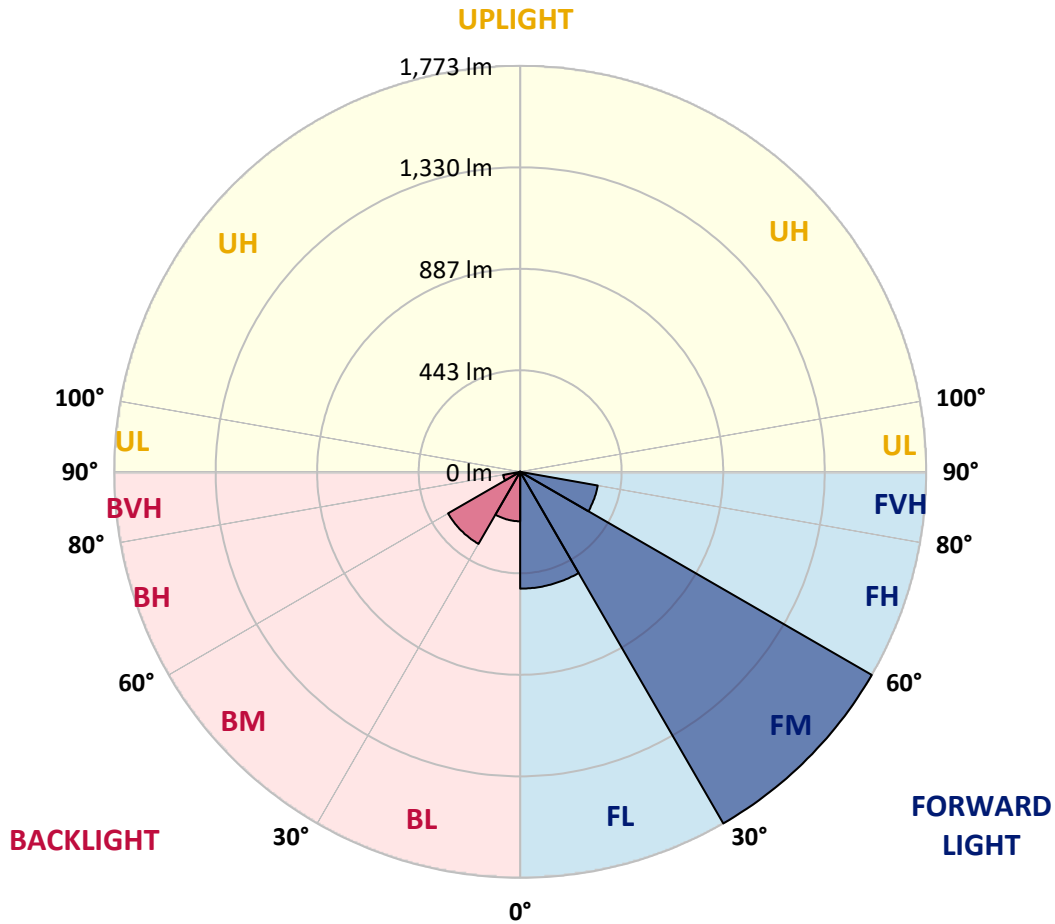


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.3	15.5			
FM (30°-60°)	1773.0	53.9			
FH (60°-80°)	343.9	10.5			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	215.9	6.6	B1/500		
BM (30°-60°)	363.6	11.1	B1/1000		
BH (60°-80°)	75.6	2.3	B0/110		G0/110
BVH (80°-90°)	3.7	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°	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9
2.5°	1733.8	1707.1	1673.2	1645.1	1603.3	1519.2	1496.3	1468.9	1446.1	1415.4	1372.3
5°	1576.6	1568.1	1552.4	1446.7	1370.4	1268.6	1185.0	1149.8	1103.5	1065.6	1038.2
7.5°	1456.5	1422.6	1373.0	1266.6	1144.6	1035.6	942.9	888.8	827.4	806.6	769.4
10°	1328.0	1335.8	1262.7	1113.3	965.8	877.7	820.3	768.1	712.6	676.0	623.2
12.5°	1286.8	1261.4	1205.3	1020.6	894.7	812.4	742.6	678.0	619.3	560.5	509.6
15°	1313.6	1274.4	1196.1	1001.0	839.8	737.4	649.9	562.5	508.3	433.3	380.4
17.5°	1409.5	1378.2	1273.1	1021.9	811.8	665.6	535.7	445.7	362.8	295.0	268.2
20°	1569.4	1525.0	1393.2	1048.7	770.0	578.8	434.6	323.7	245.4	216.6	201.6
22.5°	1726.0	1701.9	1535.5	1100.2	732.8	501.8	326.3	218.0	183.4	178.1	168.4
25°	2024.2	1951.8	1752.8	1193.5	704.1	429.4	246.0	175.5	155.3	151.4	152.7
27.5°	2201.7	2141.0	1953.8	1255.5	672.1	373.9	208.2	161.2	147.5	139.0	135.7
30°	2372.0	2301.6	2053.6	1292.1	603.6	315.2	184.7	154.7	151.4	139.0	135.1
32.5°	2503.2	2434.0	2197.8	1346.9	575.6	277.3	152.0	120.7	112.2	110.9	122.7
35°	2704.2	2630.5	2321.1	1376.9	554.0	257.8	131.8	107.7	97.9	94.0	94.6
37.5°	2891.5	2841.2	2435.3	1388.6	531.2	251.9	118.1	96.6	88.1	85.5	84.8
40°	3048.1	2935.9	2543.7	1401.0	521.4	240.8	109.6	88.1	82.2	78.3	78.3
42.5°	3119.9	3005.7	2665.0	1393.9	518.8	223.2	109.6	80.9	76.3	72.4	71.8
45°	3104.2	3057.9	2719.2	1390.6	518.8	205.6	99.8	79.0	72.4	67.2	65.9
47.5°	3144.7	3084.0	2787.1	1404.3	508.3	193.2	84.2	82.9	68.5	62.0	60.7
50°	3151.9	3163.6	2905.2	1475.4	485.5	177.5	65.9	81.6	65.9	56.1	54.8
52°	3198.8	3125.8	2941.1	1513.3	461.4	165.7	55.5	69.8	63.3	52.2	50.9
52.5°	3134.2	3181.9	2949.6	1527.0	464.0	157.9	53.5	68.5	62.0	52.2	48.9
55°	3061.8	3107.5	2915.0	1556.4	425.5	124.0	41.8	49.6	56.1	45.7	43.7
57.5°	2661.1	2707.5	2533.2	1425.2	346.5	87.4	34.6	37.2	49.6	42.4	40.5
60°	2365.5	2332.2	2126.0	1189.0	246.0	48.9	27.4	28.7	54.2	39.2	38.5
62.5°	2161.9	2090.8	1776.9	918.1	150.1	32.6	21.5	22.2	41.8	36.5	36.5
65°	1599.4	1519.8	1180.5	555.3	73.7	22.8	16.3	17.6	26.1	31.3	31.3
67.5°	912.9	882.3	570.3	250.6	30.7	14.4	12.4	13.7	20.2	25.4	24.1
70°	419.6	376.5	219.3	52.9	14.4	9.8	9.8	11.1	16.3	18.9	17.6
72.5°	122.7	116.2	53.5	8.5	5.9	5.9	6.5	8.5	12.4	14.4	13.1
75°	9.1	5.9	3.9	2.6	2.6	3.9	5.2	8.5	12.4	13.7	11.1
77.5°	0.7	1.3	0.7	0.7	2.0	3.9	5.9	10.4	16.3	17.0	12.4
80°	0.7	0.7	0.0	0.7	2.0	3.9	6.5	11.7	18.3	19.6	10.4
82.5°	0.0	0.0	0.0	0.7	2.6	5.2	7.8	12.4	17.0	20.9	11.1
85°	0.0	0.0	0.0	0.7	3.9	7.2	9.1	3.3	2.0	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°	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9
2.5°	1403.0	1386.0	1379.5	1385.4	1383.4	1381.5	1417.4	1409.5	1408.2	1420.0	1417.4
5°	1053.2	1023.2	1105.4	1072.2	1106.7	1127.6	1131.5	1133.5	1157.6	1132.2	1165.5
7.5°	750.4	758.3	757.6	779.8	819.6	854.9	875.7	859.4	858.1	854.9	840.5
10°	599.7	586.0	583.4	578.2	590.6	620.6	646.0	625.8	611.4	631.0	625.2
12.5°	490.1	471.1	460.7	439.8	440.5	460.7	460.7	460.7	475.1	486.2	494.6
15°	375.9	360.2	360.2	339.3	334.8	335.4	345.9	347.2	370.0	376.5	379.8
17.5°	263.0	254.5	264.3	272.8	267.5	268.9	272.8	274.1	277.3	274.7	281.3
20°	202.3	201.0	203.6	218.6	229.7	236.2	231.7	225.1	221.2	212.1	212.1
22.5°	171.6	174.2	178.8	191.2	205.6	209.5	204.3	189.2	177.5	176.2	176.8
25°	152.7	155.3	162.5	170.3	178.1	184.7	179.5	168.4	161.8	156.0	156.0
27.5°	141.0	142.3	146.2	152.0	158.6	163.8	161.8	156.0	148.8	146.2	140.3
30°	131.8	133.8	138.3	139.6	145.5	148.1	144.9	143.6	139.0	135.7	133.8
32.5°	127.2	126.6	129.9	131.2	131.8	133.8	129.9	131.8	131.2	125.9	124.0
35°	95.9	101.1	109.6	116.8	118.8	121.4	120.7	118.1	110.9	105.1	97.9
37.5°	86.1	89.4	94.0	99.8	107.7	110.9	109.6	103.1	94.6	90.7	89.4
40°	79.6	81.6	85.5	89.4	97.2	103.1	98.5	92.7	86.1	82.9	80.9
42.5°	73.7	74.4	76.3	80.3	86.1	95.3	87.4	79.6	77.0	75.0	73.7
45°	67.2	67.2	69.8	71.8	78.3	86.8	79.0	71.8	70.5	69.2	68.5
47.5°	62.0	62.6	64.0	66.6	71.8	77.7	72.4	66.6	63.3	62.6	61.3
50°	55.5	56.1	58.7	61.3	67.9	71.1	67.9	61.3	58.1	56.1	56.1
52°	50.2	52.2	54.8	60.0	64.6	69.8	65.9	58.7	54.8	52.9	51.6
52.5°	49.6	50.9	53.5	59.4	64.6	69.2	65.3	58.1	53.5	52.2	50.9
55°	44.4	46.3	50.9	58.1	64.0	69.2	64.0	57.4	50.9	47.6	46.3
57.5°	42.4	43.7	49.6	58.7	63.3	69.2	64.0	57.4	50.9	45.0	43.7
60°	40.5	43.1	49.6	56.8	62.6	69.8	64.6	56.8	49.6	42.4	42.4
62.5°	38.5	40.5	48.9	55.5	60.0	67.2	62.0	55.5	47.6	40.5	39.8
65°	33.3	36.5	43.1	46.3	51.6	58.1	52.9	48.3	41.8	35.9	35.2
67.5°	25.4	26.8	32.0	35.9	39.2	45.0	42.4	36.5	32.0	27.4	27.4
70°	17.6	18.9	22.8	24.8	28.1	31.3	29.4	24.8	21.5	18.9	18.3
72.5°	12.4	13.1	14.4	15.7	17.0	18.3	17.6	14.4	12.4	11.7	11.1
75°	9.8	11.1	11.7	11.1	10.4	9.8	9.8	8.5	7.2	6.5	6.5
77.5°	9.8	10.4	9.8	8.5	7.2	6.5	5.9	5.2	3.9	3.3	3.9
80°	8.5	8.5	8.5	7.2	6.5	5.9	5.2	4.6	3.9	3.3	3.3
82.5°	9.1	9.1	8.5	7.2	7.2	5.9	5.9	5.2	4.6	3.3	3.3
85°	0.0	0.0	0.0	1.3	3.3	5.9	5.9	5.2	4.6	3.9	3.9
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	2.6	3.3	3.9	3.9	3.9
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°	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9
2.5°	1440.8	1465.6	1512.6	1559.6	1588.3	1622.3	1683.6	1716.2	1758.6	1779.5	1820.6
5°	1160.9	1219.6	1240.5	1294.0	1351.4	1408.9	1500.2	1600.7	1684.3	1741.7	1816.1
7.5°	847.0	860.7	941.6	977.5	1071.5	1175.9	1300.5	1427.1	1532.9	1626.8	1683.6
10°	634.9	685.2	736.1	804.6	880.3	988.0	1107.4	1247.0	1384.1	1478.0	1549.8
12.5°	510.3	550.1	618.0	691.7	785.0	856.2	976.2	1114.6	1292.1	1384.1	1478.7
15°	386.3	437.2	514.2	590.6	689.1	764.1	885.5	1059.8	1288.1	1414.7	1496.3
17.5°	286.5	321.1	390.2	475.7	576.2	681.9	845.7	1053.9	1331.9	1482.6	1566.8
20°	219.3	231.0	274.7	351.1	460.1	598.4	781.1	1079.3	1461.1	1647.7	1733.2
22.5°	177.5	182.7	199.7	252.5	358.3	525.3	750.4	1096.9	1606.6	1845.4	1959.6
25°	154.7	153.4	164.4	187.3	279.9	456.8	711.3	1163.5	1784.7	2077.7	2180.2
27.5°	141.0	141.0	146.2	162.5	232.3	412.4	686.5	1211.1	1964.2	2282.0	2337.5
30°	133.8	135.1	150.1	155.3	193.2	359.6	645.4	1259.4	2135.8	2412.5	2488.9
32.5°	124.0	118.8	115.5	128.6	162.5	311.9	604.3	1279.7	2274.8	2572.4	2637.6
35°	95.3	92.7	96.6	106.4	139.6	271.5	558.6	1302.5	2434.7	2757.7	2770.8
37.5°	86.1	85.5	88.1	96.6	117.5	236.2	526.0	1296.6	2556.7	2911.1	2875.8
40°	79.6	79.6	81.6	88.7	105.1	211.4	492.0	1291.4	2674.8	3083.3	2980.2
42.5°	74.4	74.4	77.7	82.2	99.8	195.1	466.6	1284.2	2774.0	3189.0	3041.6
45°	67.2	69.2	74.4	79.0	101.1	184.0	447.7	1256.8	2808.0	3187.7	3012.2
47.5°	62.0	64.6	69.8	76.3	91.4	180.8	434.6	1232.7	2796.2	3109.4	2920.2
50°	56.1	59.4	66.6	77.7	77.7	174.2	420.9	1254.2	2787.7	3048.7	2832.1
52°	52.2	54.8	64.0	75.7	67.9	160.5	412.4	1296.0	2822.3	3040.9	2792.9
52.5°	51.6	53.5	62.0	74.4	64.6	157.9	406.5	1305.8	2833.4	3021.3	2819.7
55°	45.7	48.3	56.8	58.1	52.9	129.9	387.6	1328.0	2778.6	2982.8	2794.3
57.5°	43.1	44.4	50.2	47.6	45.7	97.9	333.5	1293.4	2468.0	2649.4	2599.8
60°	39.8	41.1	47.0	37.2	38.5	68.5	250.6	1123.1	1981.8	2207.6	2297.0
62.5°	38.5	37.8	44.4	30.0	32.6	49.6	176.8	912.9	1527.0	1817.4	1972.0
65°	33.9	33.3	32.0	25.4	28.1	38.5	105.7	595.8	1076.1	1374.9	1459.8
67.5°	26.1	27.4	23.5	20.2	23.5	30.0	58.7	266.9	564.5	824.8	893.4
70°	18.3	19.6	18.9	17.6	20.9	24.8	33.9	91.4	233.6	433.3	477.7
72.5°	11.1	13.7	14.4	15.0	18.3	21.5	24.1	29.4	62.0	153.4	190.5
75°	6.5	9.1	11.1	13.1	15.0	18.3	20.2	20.9	21.5	28.7	46.3
77.5°	4.6	6.5	9.8	12.4	15.0	18.3	21.5	22.8	21.5	20.2	21.5
80°	3.9	6.5	9.1	11.7	15.7	18.9	21.5	21.5	20.9	18.3	19.6
82.5°	3.9	6.5	9.8	12.4	15.0	18.3	20.9	21.5	19.6	18.3	18.9
85°	4.6	7.2	10.4	13.1	16.3	15.0	13.7	11.1	10.4	8.5	9.1
87.5°	4.6	6.5	6.5	7.2	7.8	7.8	7.8	7.2	5.9	5.2	5.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9	1667.9
2.5°	1822.6	1874.8	1872.8	1874.1	1866.3	1813.5	1788.0	1723.4	1741.7	1733.8
5°	1892.4	1944.0	1988.3	1983.1	1923.1	1851.3	1744.9	1644.4	1617.0	1576.6
7.5°	1822.6	1946.6	1987.7	1981.8	1893.1	1801.1	1631.4	1530.9	1483.3	1456.5
10°	1711.7	1855.2	1906.1	1916.6	1856.5	1716.9	1560.9	1399.7	1374.3	1328.0
12.5°	1648.4	1752.8	1784.1	1812.2	1791.3	1686.9	1507.4	1352.8	1317.5	1286.8
15°	1596.8	1658.8	1671.9	1703.8	1716.2	1660.1	1535.5	1403.7	1316.9	1313.6
17.5°	1644.4	1619.0	1571.4	1581.1	1620.3	1660.8	1607.9	1504.1	1420.0	1409.5
20°	1723.4	1611.2	1503.5	1527.6	1560.3	1684.3	1717.5	1644.4	1596.2	1569.4
22.5°	1814.1	1624.9	1482.0	1493.7	1555.7	1737.1	1895.0	1854.6	1764.5	1726.0
25°	1981.8	1662.7	1498.9	1506.8	1591.6	1810.8	2055.6	2085.6	2032.1	2024.2
27.5°	2145.6	1760.6	1536.1	1518.5	1609.9	1882.6	2152.8	2314.0	2220.0	2201.7
30°	2229.1	1840.2	1591.6	1561.6	1685.6	1926.4	2211.5	2462.8	2380.5	2372.0
32.5°	2357.0	1912.6	1634.7	1596.2	1728.0	1980.5	2321.1	2625.2	2545.6	2503.2
35°	2410.5	1991.6	1729.3	1684.3	1849.3	2056.2	2377.3	2770.1	2745.3	2704.2
37.5°	2513.7	2076.4	1840.9	1838.3	1996.2	2154.7	2478.4	2967.2	2962.6	2891.5
40°	2522.1	2169.1	2017.1	2099.3	2223.3	2326.4	2567.2	3022.0	3096.4	3048.1
42.5°	2535.2	2331.6	2321.8	2389.7	2496.0	2473.8	2570.4	3035.0	3148.6	3119.9
45°	2541.1	2494.1	2631.8	2757.1	2801.4	2667.0	2539.8	3010.2	3176.0	3104.2
47.5°	2494.1	2633.7	2882.3	3124.4	3137.5	2785.8	2526.7	2984.8	3192.3	3144.7
50°	2500.6	2721.2	3099.0	3315.6	3268.0	2890.8	2506.5	2969.1	3183.8	3151.9
52°	2484.9	2723.1	3129.7	3311.7	3278.5	2832.8	2471.9	2909.1	3176.0	3198.8
52.5°	2502.6	2711.4	3097.7	3314.3	3271.3	2861.5	2467.3	2942.4	3180.6	3134.2
55°	2441.9	2571.7	2910.4	3002.4	2995.9	2597.2	2327.0	2832.1	3061.1	3061.8
57.5°	2207.0	2229.1	2282.6	2280.7	2250.7	2041.9	1990.3	2604.4	2729.0	2661.1
60°	1944.6	1632.0	1487.8	1429.1	1395.8	1361.9	1760.6	2382.5	2394.2	2365.5
62.5°	1680.3	1131.5	939.7	923.4	931.2	1055.2	1701.9	2294.4	2223.9	2161.9
65°	1356.0	824.8	682.6	661.0	737.4	871.2	1377.5	1759.3	1651.0	1599.4
67.5°	851.6	601.7	461.4	420.9	512.9	599.7	905.1	1105.4	984.1	912.9
70°	505.1	336.1	208.8	187.3	210.8	319.8	507.0	551.4	456.1	419.6
72.5°	199.0	123.3	58.1	49.6	51.6	112.2	186.6	182.1	137.7	122.7
75°	53.5	37.2	20.2	16.3	13.7	20.9	30.0	19.6	7.2	9.1
77.5°	24.8	22.2	17.6	13.7	10.4	7.8	3.9	1.3	1.3	0.7
80°	21.5	18.9	16.3	13.7	10.4	6.5	3.3	0.7	0.7	0.7
82.5°	20.2	17.6	15.0	12.4	9.8	6.5	3.3	0.7	0.0	0.0
85°	8.5	11.1	12.4	11.7	10.4	6.5	3.3	0.7	0.0	0.0
87.5°	4.6	3.9	3.3	2.6	2.0	1.3	1.3	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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