

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: P526080

Luminaire Tested: **GALN-SA1A-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526080
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-SA1A-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA 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: 3139 lumens
Efficiency: N/A
Efficacy: 95.1 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): 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

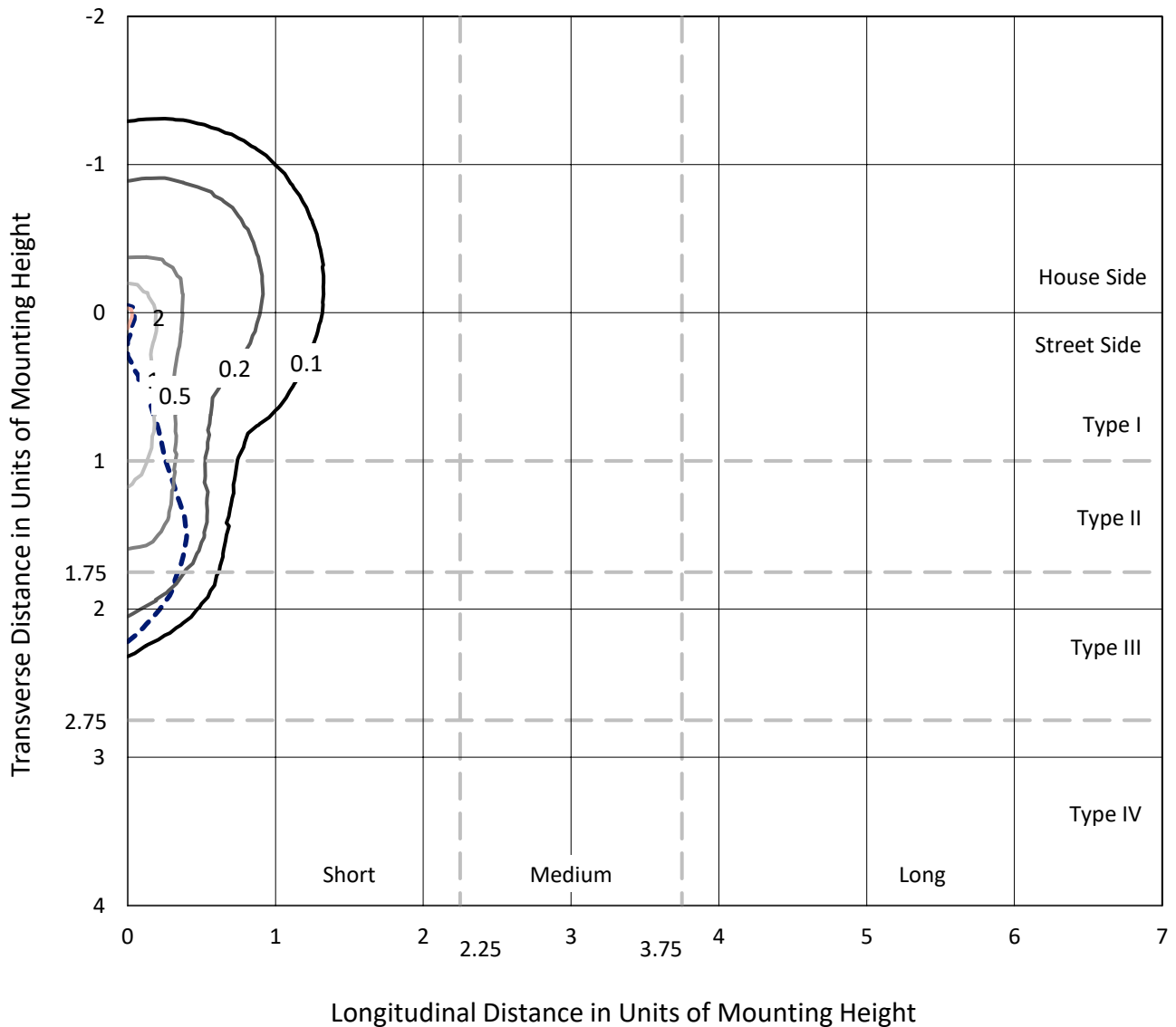




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Iso-Footcandle Lines of Horizontal Illumination

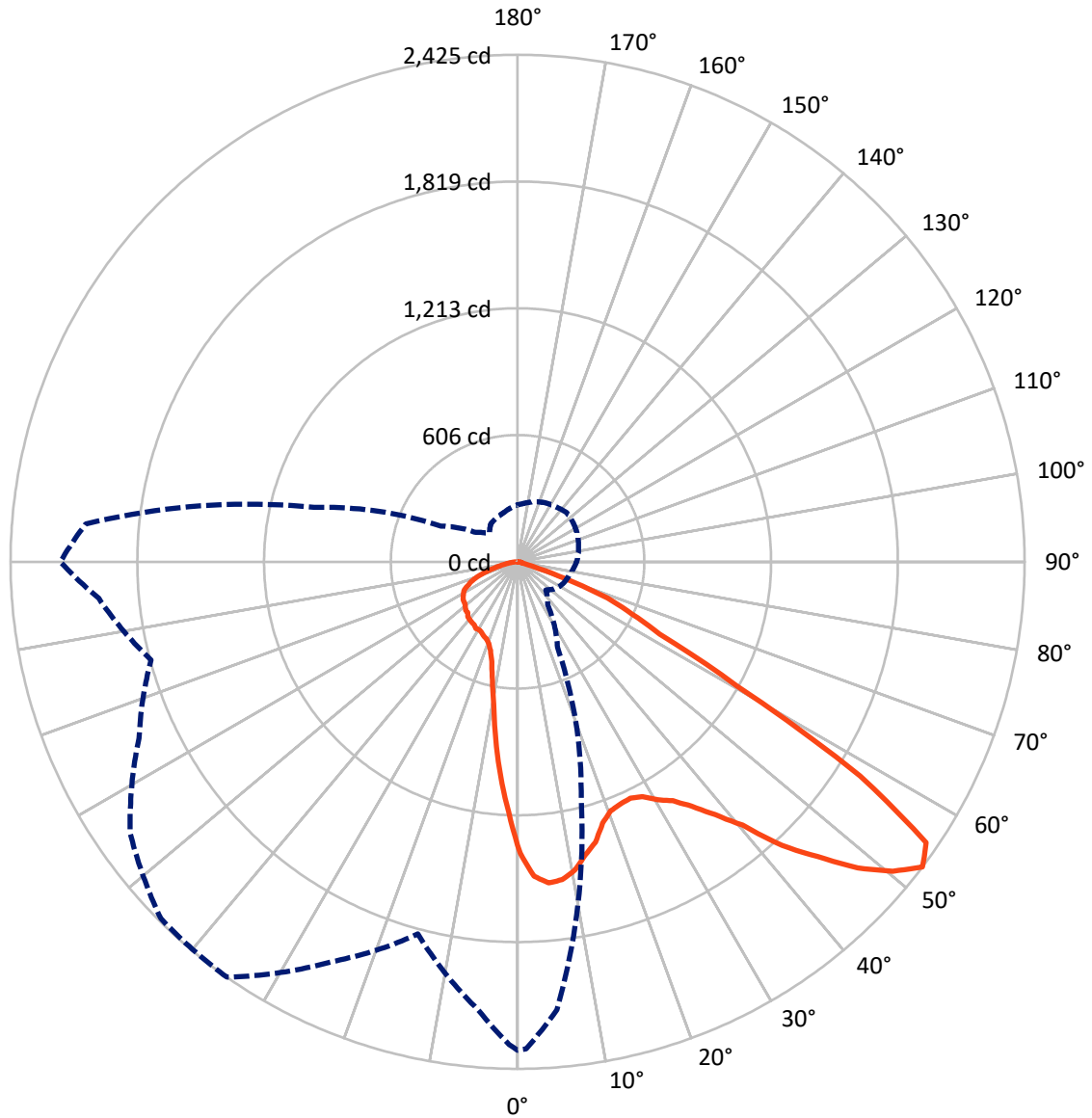
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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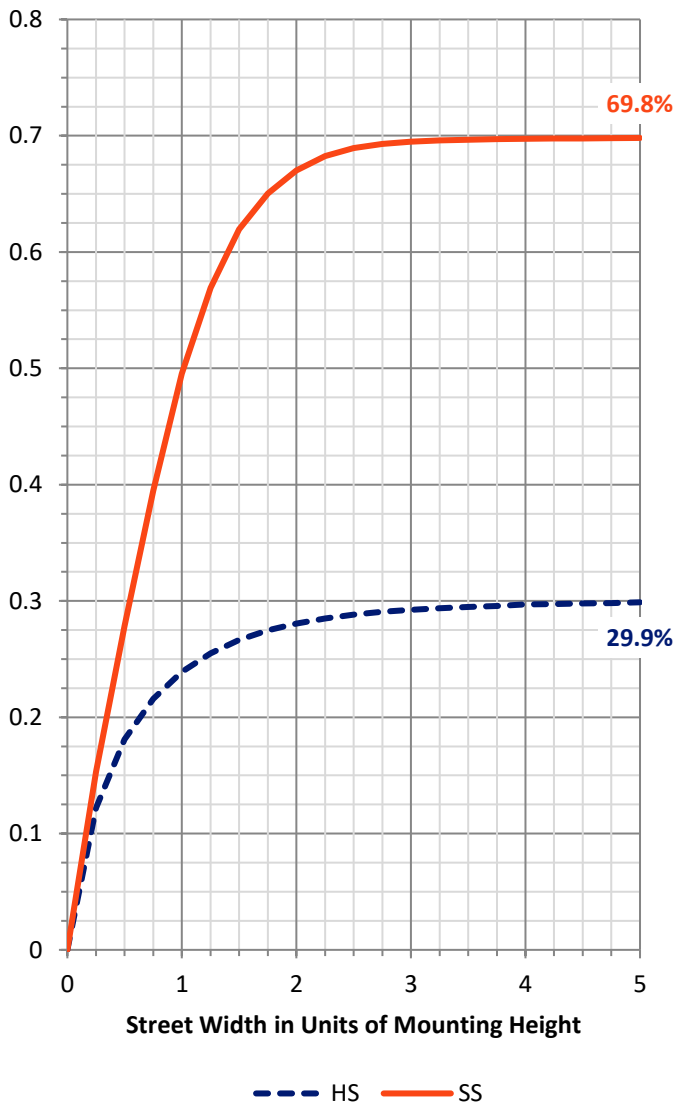
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	946.3	0.0	946.3
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	2192.7	0.0	2192.7
	% Fixture	69.9	0.0	69.9
Total	Lumens	3139.0	0.0	3139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.4
10°-20°	230.4	7.3
20°-30°	348.1	11.1
30°-40°	503.0	16.0
40°-50°	669.5	21.3
50°-60°	748.8	23.9
60°-70°	422.0	13.4
70°-80°	94.1	3.0
80°-90°	16.8	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°	3139.0	100.0
0°-180°	3139.0	100.0

Coefficient of Utilization

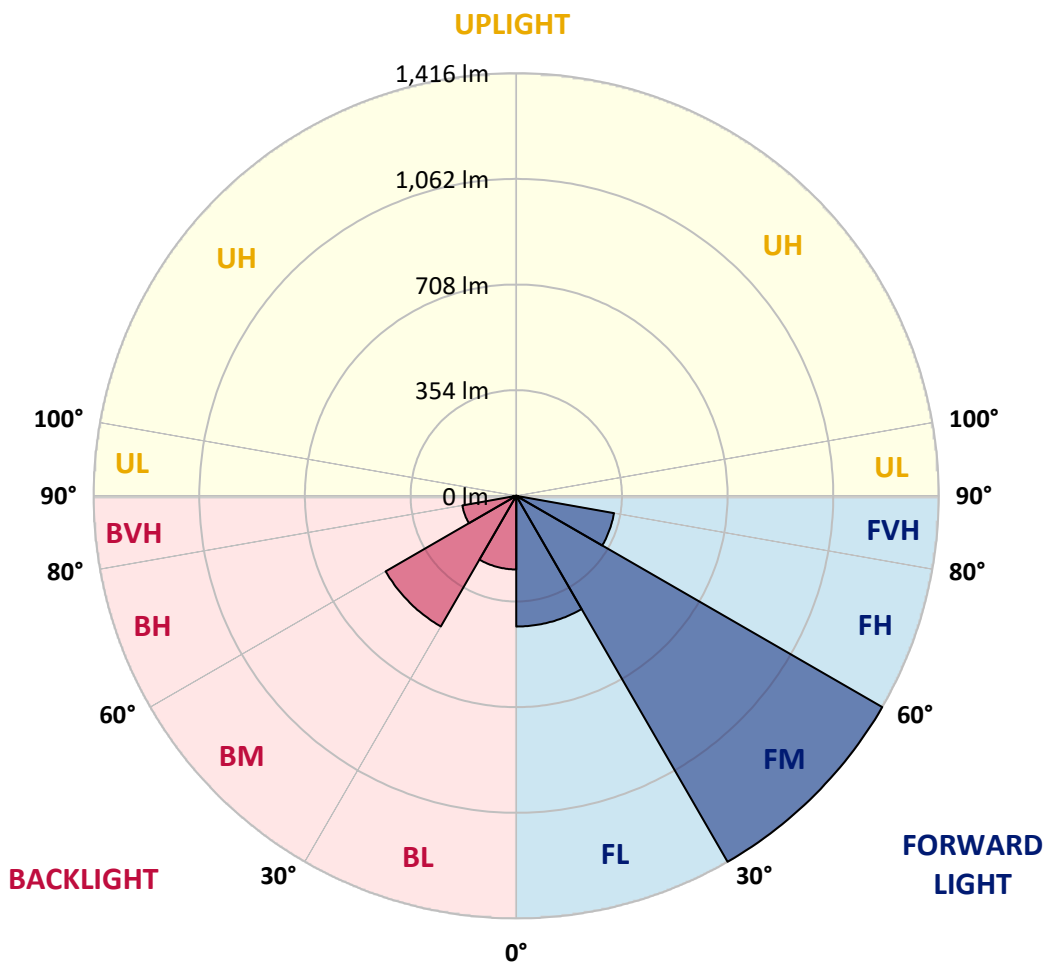


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.0	14.0			
FM (30°-60°)	1415.9	45.1			
FH (60°-80°)	332.7	10.6			G0/660
FVH (80°-90°)	6.1	0.2			G0/10
BL (0°-30°)	246.8	7.9	B1/500		
BM (30°-60°)	505.4	16.1	B1/1000		
BH (60°-80°)	183.4	5.8	B1/500		G1/500
BVH (80°-90°)	10.7	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°	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1
2.5°	1416.3	1439.1	1414.5	1370.8	1339.9	1311.7	1282.1	1276.2	1237.5	1230.7	1202.5
5°	1335.8	1330.8	1300.7	1243.4	1180.2	1122.9	1080.5	1039.6	1011.8	979.5	977.3
7.5°	1238.0	1208.8	1191.6	1104.7	1026.4	936.3	897.6	835.3	815.8	786.6	771.6
10°	1150.6	1129.2	1088.7	1001.8	892.6	833.0	791.6	758.0	735.2	705.2	667.4
12.5°	1107.4	1098.7	1053.2	918.6	837.6	773.9	744.8	712.0	673.4	625.1	606.5
15°	1115.1	1086.0	1051.4	902.7	790.7	729.3	682.9	642.0	592.4	546.4	519.6
17.5°	1172.9	1150.6	1081.5	912.7	773.0	684.3	600.1	539.6	495.0	453.6	434.9
20°	1286.6	1254.3	1176.5	925.4	734.8	621.5	525.0	450.4	402.6	380.8	374.4
22.5°	1412.7	1393.6	1269.4	954.1	704.3	563.2	445.4	370.8	353.1	347.1	359.0
25°	1566.0	1516.4	1413.6	1000.9	680.6	513.7	378.1	336.7	327.6	333.5	347.1
27.5°	1682.5	1669.3	1514.6	1045.1	648.3	454.1	340.3	313.0	315.7	321.7	334.4
30°	1820.8	1753.9	1612.4	1075.5	619.2	413.1	313.9	306.6	309.4	319.4	325.8
32.5°	1904.0	1879.0	1673.8	1121.5	585.5	377.6	293.5	286.6	290.7	305.7	320.8
35°	2010.0	1960.5	1749.8	1133.3	561.9	363.5	278.9	273.9	283.4	293.9	310.7
37.5°	2133.8	2099.7	1854.9	1125.1	549.1	349.0	266.6	264.3	271.2	285.7	305.3
40°	2207.0	2196.6	1909.9	1130.1	529.1	336.2	252.5	255.2	269.3	280.7	299.8
42.5°	2277.6	2209.3	1991.4	1128.3	516.4	318.9	253.9	250.7	261.6	274.8	293.0
45°	2293.0	2225.2	2010.5	1115.6	500.9	302.1	243.4	244.8	258.0	274.3	286.2
47.5°	2283.0	2233.0	2046.0	1111.9	486.4	290.3	227.9	244.3	252.1	265.2	282.1
50°	2276.2	2273.5	2076.0	1129.2	466.8	271.6	209.3	238.4	246.1	259.3	277.5
52.5°	2336.3	2330.3	2151.1	1174.7	451.3	251.6	190.2	223.4	242.0	254.8	272.5
55°	2372.7	2346.7	2279.8	1230.7	425.4	225.2	177.0	204.7	232.0	243.4	261.6
57.5°	2134.2	2116.5	2062.4	1148.8	381.7	190.6	160.6	185.6	218.4	236.1	254.8
60°	1775.7	1748.0	1609.2	976.4	281.6	148.3	150.6	170.6	214.7	221.6	243.4
62.5°	1674.3	1605.6	1416.8	785.7	216.1	127.4	135.1	157.0	195.6	207.0	228.8
65°	1328.5	1277.5	1013.7	567.3	144.7	110.6	123.3	141.5	168.8	191.1	211.1
67.5°	831.7	783.0	541.0	268.4	101.0	94.6	110.1	129.2	151.5	171.5	193.8
70°	434.5	381.3	249.8	96.9	69.6	77.3	91.9	110.1	131.9	148.3	165.6
72.5°	162.0	131.5	81.4	41.9	48.2	59.1	74.6	87.8	103.3	123.3	132.9
75°	25.0	21.4	20.9	25.5	32.8	42.8	53.2	66.4	80.1	92.8	99.2
77.5°	11.8	11.4	12.7	16.8	21.8	30.5	38.7	51.4	62.3	70.5	74.2
80°	7.7	7.3	8.2	11.4	16.4	22.7	30.9	39.6	49.6	56.4	55.5
82.5°	4.5	5.0	5.0	7.7	11.4	16.4	22.3	30.0	36.9	42.8	39.1
85°	2.7	2.3	2.3	4.5	7.7	13.2	18.7	12.7	13.2	13.2	15.0
87.5°	0.9	0.9	0.9	0.5	0.9	0.9	1.4	2.3	2.7	3.2	4.1
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°	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1
2.5°	1201.6	1215.7	1210.7	1192.9	1206.6	1208.8	1199.7	1231.1	1237.1	1227.5	1230.2
5°	974.1	977.7	985.9	1003.2	1015.5	1030.0	1030.0	1031.0	1018.7	1049.6	1040.5
7.5°	758.9	761.2	770.7	807.6	818.0	845.8	857.6	849.4	824.9	814.4	823.0
10°	655.2	642.0	638.8	643.3	667.0	678.8	688.8	686.1	682.0	673.8	664.7
12.5°	586.0	576.4	568.7	557.8	559.2	570.5	578.3	571.9	573.7	575.5	578.3
15°	510.9	504.1	500.0	483.6	481.8	489.5	492.3	495.9	502.7	503.2	500.0
17.5°	431.3	425.4	434.5	443.6	437.2	437.7	442.7	445.9	444.0	435.9	431.8
20°	376.7	383.1	392.2	400.8	407.7	411.7	413.6	408.6	402.6	385.8	385.4
22.5°	360.8	369.0	376.7	389.9	396.3	406.7	397.2	385.8	377.6	369.4	359.9
25°	349.0	355.8	371.3	376.3	388.5	397.2	390.4	379.0	364.9	353.1	345.8
27.5°	340.3	348.0	358.1	371.7	381.3	386.3	379.4	374.9	360.3	346.2	335.8
30°	334.9	343.0	361.2	372.6	380.8	384.9	373.1	367.6	357.1	345.3	336.2
32.5°	331.2	338.5	354.0	368.5	374.0	374.0	375.8	369.4	354.9	334.9	327.1
35°	319.4	329.4	342.1	359.0	369.0	374.9	365.8	358.5	349.0	328.5	314.4
37.5°	312.6	319.4	335.8	351.7	360.3	366.7	363.1	350.3	337.6	320.8	309.4
40°	305.3	316.2	330.8	345.8	355.3	361.7	359.0	344.0	328.5	312.6	304.8
42.5°	300.3	307.6	322.6	339.4	350.8	363.1	354.9	336.2	325.3	303.5	294.8
45°	296.2	308.0	323.9	330.8	342.6	355.3	340.8	329.4	316.7	300.7	293.5
47.5°	291.2	302.1	312.6	330.8	336.2	342.1	339.4	321.2	310.3	293.0	288.0
50°	289.4	293.5	312.6	322.6	330.3	336.2	328.9	315.3	304.8	287.1	276.2
52.5°	282.1	289.8	302.1	315.3	324.8	332.1	320.3	311.7	297.5	278.9	272.1
55°	273.0	277.5	299.4	313.0	318.0	323.0	318.5	304.4	289.8	270.7	263.9
57.5°	261.2	271.6	289.4	308.5	314.8	317.6	310.3	298.9	280.7	263.9	253.0
60°	248.9	259.8	279.3	294.8	301.2	311.2	300.3	293.5	272.5	253.9	242.0
62.5°	236.6	248.9	263.4	283.0	288.4	292.5	289.8	280.3	263.4	242.5	227.9
65°	222.0	231.1	249.3	259.3	263.0	272.5	263.0	259.3	244.3	224.3	212.0
67.5°	200.2	207.9	223.8	233.4	236.1	240.2	239.8	235.7	218.8	205.2	194.3
70°	175.2	182.0	192.0	203.4	204.7	209.7	205.2	204.3	193.4	174.7	168.8
72.5°	140.6	147.0	160.1	165.2	165.6	167.4	165.2	162.0	159.2	139.7	133.8
75°	107.8	111.5	117.8	122.4	122.4	124.7	123.3	120.1	112.8	100.5	94.6
77.5°	75.1	78.7	86.9	89.6	89.2	90.1	86.0	82.8	71.9	65.5	60.5
80°	54.6	56.9	61.0	62.8	63.2	64.6	59.6	56.9	50.5	43.2	40.9
82.5°	39.6	40.9	41.4	43.7	43.7	41.4	40.0	37.3	32.8	28.2	26.4
85°	16.4	16.8	17.3	20.0	20.5	24.6	22.7	21.4	18.7	15.9	14.6
87.5°	4.1	4.5	5.9	5.0	5.9	5.9	6.4	7.3	7.3	5.9	5.9
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°	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1
2.5°	1240.7	1244.3	1290.7	1296.7	1319.4	1342.6	1389.5	1423.1	1450.4	1468.2	1473.2
5°	1050.1	1073.3	1094.6	1129.2	1160.6	1205.2	1256.6	1320.3	1400.4	1441.3	1457.7
7.5°	822.1	849.4	880.4	914.0	960.0	1040.1	1108.8	1182.5	1284.8	1327.1	1391.3
10°	671.1	701.6	742.5	768.4	823.9	900.4	980.5	1065.5	1163.3	1224.3	1298.5
12.5°	593.3	618.3	656.1	710.7	752.1	801.7	861.3	968.6	1108.8	1166.5	1217.5
15°	507.3	535.0	578.7	639.2	688.8	748.0	814.8	931.8	1081.0	1170.2	1213.4
17.5°	436.3	456.3	502.3	554.6	611.5	676.1	772.1	930.0	1110.1	1224.3	1294.8
20°	387.2	389.9	414.9	459.5	536.9	621.0	745.7	920.9	1203.4	1317.6	1406.8
22.5°	356.2	353.5	354.0	391.7	445.9	566.9	704.3	951.8	1309.4	1465.9	1526.0
25°	340.8	333.5	328.9	337.1	386.3	502.7	672.9	992.7	1423.6	1588.3	1662.0
27.5°	332.6	319.8	310.7	312.1	348.0	470.4	653.3	1010.5	1536.9	1758.9	1784.8
30°	329.4	313.5	300.3	295.7	319.4	425.4	611.5	1041.0	1638.3	1852.6	1874.9
32.5°	318.0	298.5	285.7	281.6	291.2	385.8	581.4	1062.8	1728.0	1954.5	1946.8
35°	304.8	288.4	272.5	264.8	271.6	360.3	557.3	1052.3	1833.5	2033.7	2029.6
37.5°	303.5	282.1	268.9	256.1	255.7	328.9	524.6	1062.3	1900.9	2175.6	2119.7
40°	291.6	278.0	260.7	250.2	244.3	313.0	492.7	1038.7	1999.6	2233.0	2177.9
42.5°	292.1	271.6	256.6	244.3	238.4	289.8	470.9	1032.3	2034.2	2326.2	2205.2
45°	284.8	264.8	252.1	237.5	234.3	272.1	450.0	1002.7	2095.1	2330.8	2171.1
47.5°	277.5	259.8	246.1	228.8	221.6	265.7	433.6	978.2	2063.3	2288.0	2123.8
50°	272.5	252.1	239.3	227.0	206.6	254.8	412.2	972.3	2018.7	2230.2	2036.0
52.5°	263.9	245.7	232.5	222.9	190.2	244.8	404.0	1006.8	2073.3	2187.0	2010.5
55°	255.7	237.0	220.2	201.6	176.5	218.4	381.3	1039.1	2152.9	2286.7	2126.1
57.5°	247.0	229.3	211.1	188.8	163.3	191.1	357.6	1045.1	2003.7	2113.3	2018.2
60°	235.7	212.9	199.3	170.2	149.2	158.3	283.4	921.3	1554.2	1764.8	1768.0
62.5°	222.9	198.4	186.5	152.4	134.7	136.5	231.1	774.4	1260.7	1460.9	1547.8
65°	206.1	182.4	168.3	141.0	124.2	118.3	169.2	567.3	957.7	1185.2	1283.9
67.5°	184.3	162.0	144.2	122.8	111.0	101.5	115.6	319.4	565.5	795.7	825.8
70°	161.1	141.9	123.3	105.6	92.4	85.5	84.6	141.5	270.3	428.1	487.3
72.5°	126.9	113.3	98.3	85.1	76.4	66.4	60.5	58.7	91.4	174.3	240.7
75°	91.0	79.6	71.0	62.3	56.0	50.5	46.0	41.9	38.2	43.7	60.1
77.5°	57.3	53.2	46.4	44.1	40.5	39.1	37.3	35.0	32.3	30.5	30.5
80°	38.7	35.9	33.7	33.2	31.8	31.4	31.8	29.6	26.8	24.6	25.5
82.5°	25.9	25.5	25.0	24.6	25.0	25.5	26.4	25.9	23.7	22.3	22.7
85°	15.5	16.4	17.3	18.2	20.0	17.7	14.6	12.3	10.9	10.0	9.6
87.5°	5.9	8.2	7.3	6.8	7.3	6.8	6.4	5.9	5.0	4.5	4.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1	1393.1
2.5°	1506.4	1515.5	1523.2	1521.4	1505.5	1484.1	1475.5	1431.3	1422.2	1416.3
5°	1526.9	1579.6	1591.0	1584.2	1542.8	1490.5	1439.5	1374.9	1337.1	1335.8
7.5°	1489.1	1554.2	1574.6	1590.1	1535.1	1444.1	1356.7	1259.8	1236.1	1238.0
10°	1393.1	1496.8	1547.3	1563.3	1500.0	1421.3	1300.3	1202.0	1151.5	1150.6
12.5°	1339.9	1421.3	1435.4	1457.7	1439.1	1359.4	1267.5	1157.4	1108.3	1107.4
15°	1292.6	1346.2	1350.3	1381.7	1391.7	1338.1	1276.2	1158.8	1119.2	1115.1
17.5°	1334.0	1296.7	1281.2	1285.3	1314.9	1334.4	1326.2	1236.1	1195.7	1172.9
20°	1361.7	1278.5	1231.6	1236.1	1271.2	1342.6	1400.8	1348.1	1283.9	1286.6
22.5°	1435.9	1281.2	1207.9	1202.9	1258.4	1385.4	1485.0	1489.6	1427.7	1412.7
25°	1546.9	1312.6	1200.7	1199.3	1252.5	1431.3	1583.3	1657.0	1593.7	1566.0
27.5°	1636.1	1361.7	1223.4	1228.0	1271.2	1468.6	1667.0	1764.8	1716.6	1682.5
30°	1714.3	1412.7	1255.3	1234.3	1321.2	1488.2	1702.9	1887.7	1849.0	1820.8
32.5°	1746.6	1485.0	1305.8	1271.2	1362.6	1511.9	1777.6	2006.9	1973.6	1904.0
35°	1801.2	1525.5	1333.1	1330.3	1435.0	1568.7	1812.6	2085.6	2071.9	2010.0
37.5°	1844.9	1566.4	1430.0	1399.9	1534.1	1664.3	1869.0	2194.3	2162.9	2133.8
40°	1878.6	1639.7	1520.5	1560.1	1656.1	1751.2	1920.9	2201.1	2291.7	2207.0
42.5°	1847.6	1705.2	1669.3	1763.9	1854.9	1850.3	1926.8	2253.9	2321.7	2277.6
45°	1839.9	1816.2	1904.5	1990.5	2011.4	1932.7	1884.5	2195.7	2312.6	2293.0
47.5°	1821.2	1925.4	2079.2	2219.3	2187.5	1987.7	1834.0	2185.2	2318.1	2283.0
50°	1814.9	1949.1	2208.4	2344.9	2325.8	2035.5	1810.3	2117.9	2279.4	2276.2
52.5°	1814.4	1997.8	2262.1	2413.1	2425.0	2111.0	1842.6	2152.0	2309.4	2336.3
55°	1834.9	1982.3	2255.3	2375.4	2370.8	2077.4	1846.3	2174.7	2346.3	2372.7
57.5°	1730.7	1775.7	1861.3	1956.4	1931.8	1720.7	1648.8	2010.5	2153.4	2134.2
60°	1494.6	1353.5	1257.1	1252.5	1204.8	1138.8	1349.4	1794.4	1794.4	1775.7
62.5°	1308.9	888.5	763.4	727.9	762.1	838.0	1301.7	1745.3	1695.7	1674.3
65°	1144.7	678.4	551.9	541.9	601.0	715.7	1177.0	1486.8	1399.5	1328.5
67.5°	736.6	496.8	410.4	392.6	464.1	525.5	783.5	914.5	859.4	831.7
70°	475.0	323.5	228.4	214.3	242.0	323.9	500.5	533.2	453.1	434.5
72.5°	224.8	139.7	80.1	66.0	74.2	123.8	197.9	212.9	177.0	162.0
75°	71.4	51.4	32.8	28.2	26.8	31.8	45.5	35.0	25.5	25.0
77.5°	31.8	30.5	25.9	21.8	19.1	15.9	13.2	10.9	11.4	11.8
80°	26.4	24.1	21.4	19.1	15.9	12.3	9.6	7.3	7.3	7.7
82.5°	23.2	20.9	18.7	15.9	13.6	10.0	7.3	5.0	4.5	4.5
85°	10.0	11.8	12.7	13.6	10.9	8.2	5.0	3.2	2.7	2.7
87.5°	4.1	3.6	3.2	2.7	2.3	2.3	1.8	1.4	0.9	0.9
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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