

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: P526236

Luminaire Tested: **GALN-SA1A-830-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526236
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-830-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 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: 2739 lumens
Efficiency: N/A
Efficacy: 83.0 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



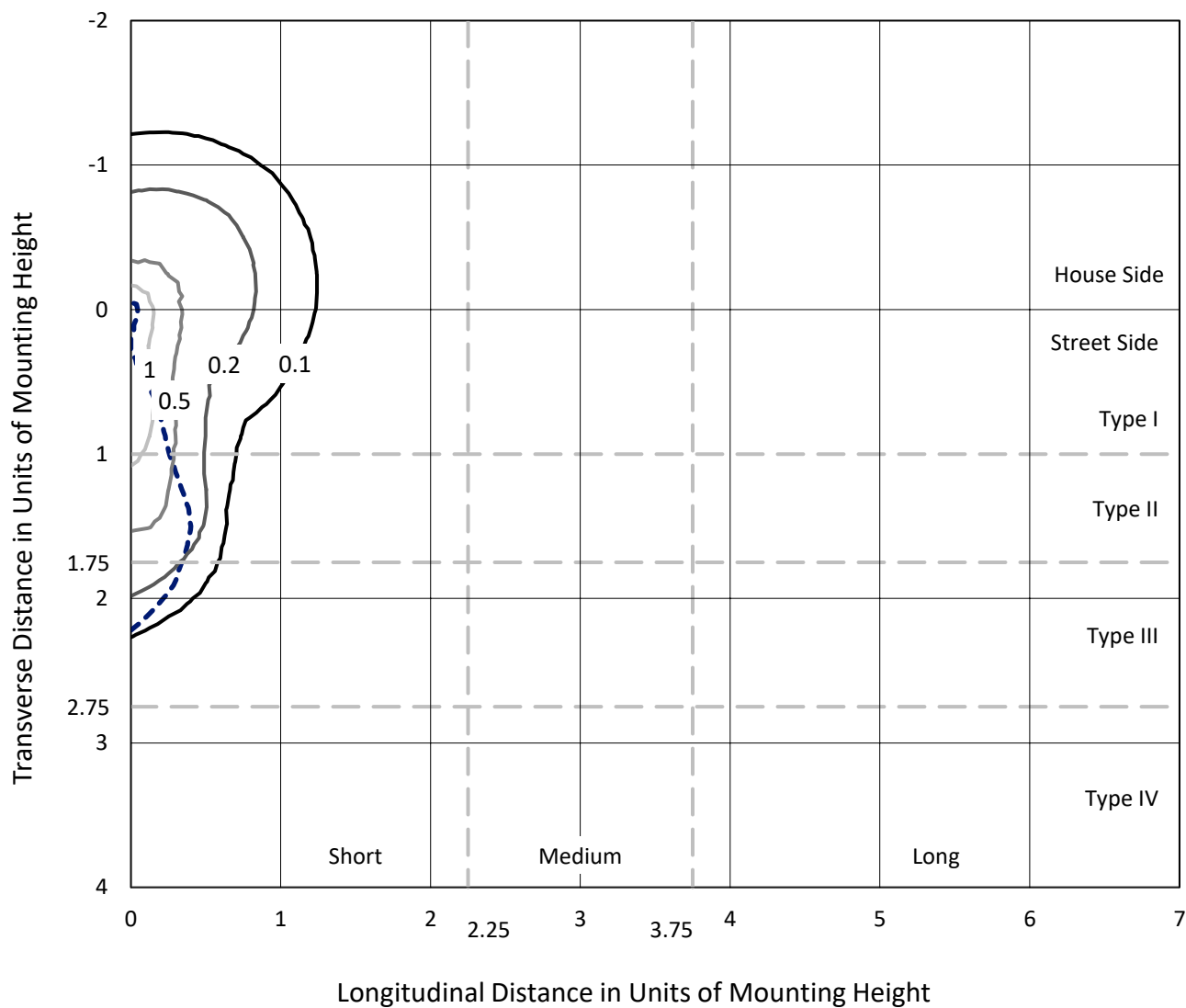
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

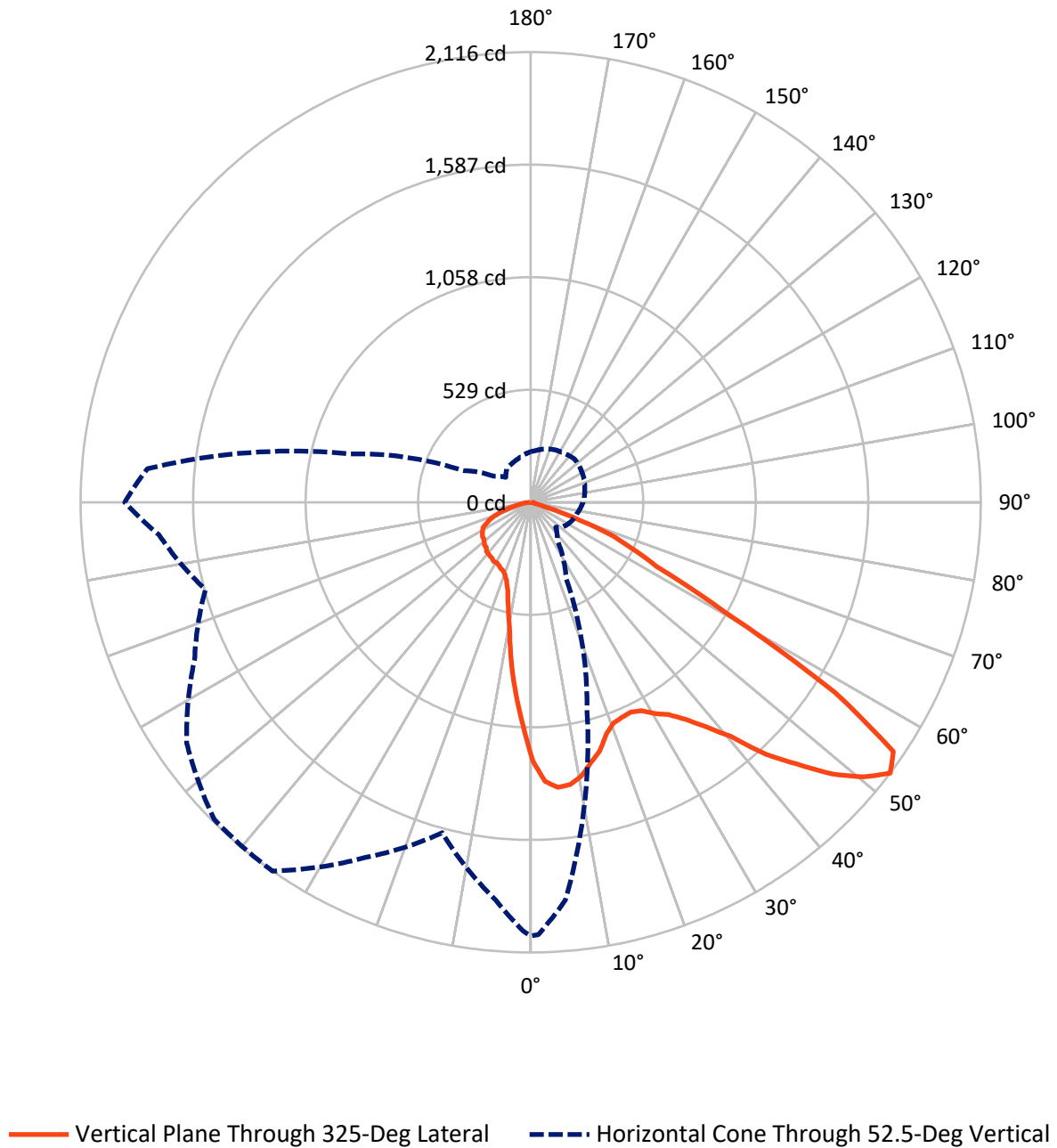


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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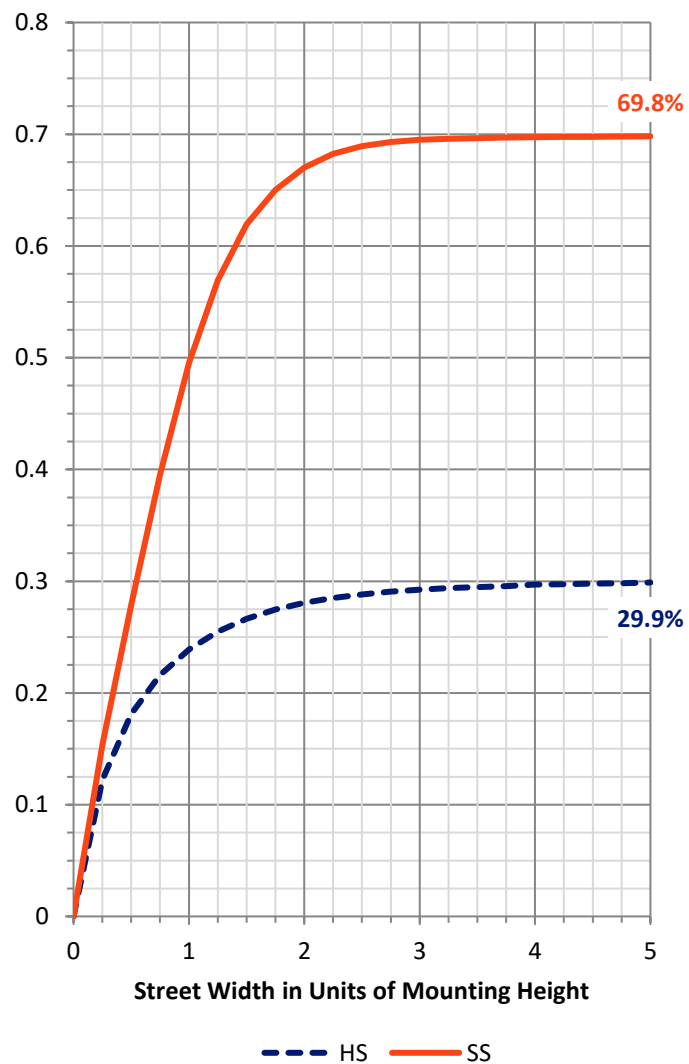
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	825.7	0.0	825.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	1913.3	0.0	1913.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	2739.0	0.0	2739.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	3.4
10°-20°	201.0	7.3
20°-30°	303.8	11.1
30°-40°	438.9	16.0
40°-50°	584.2	21.3
50°-60°	653.4	23.9
60°-70°	368.3	13.4
70°-80°	82.1	3.0
80°-90°	14.6	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°	2739.0	100.0
0°-180°	2739.0	100.0

Coefficient of Utilization



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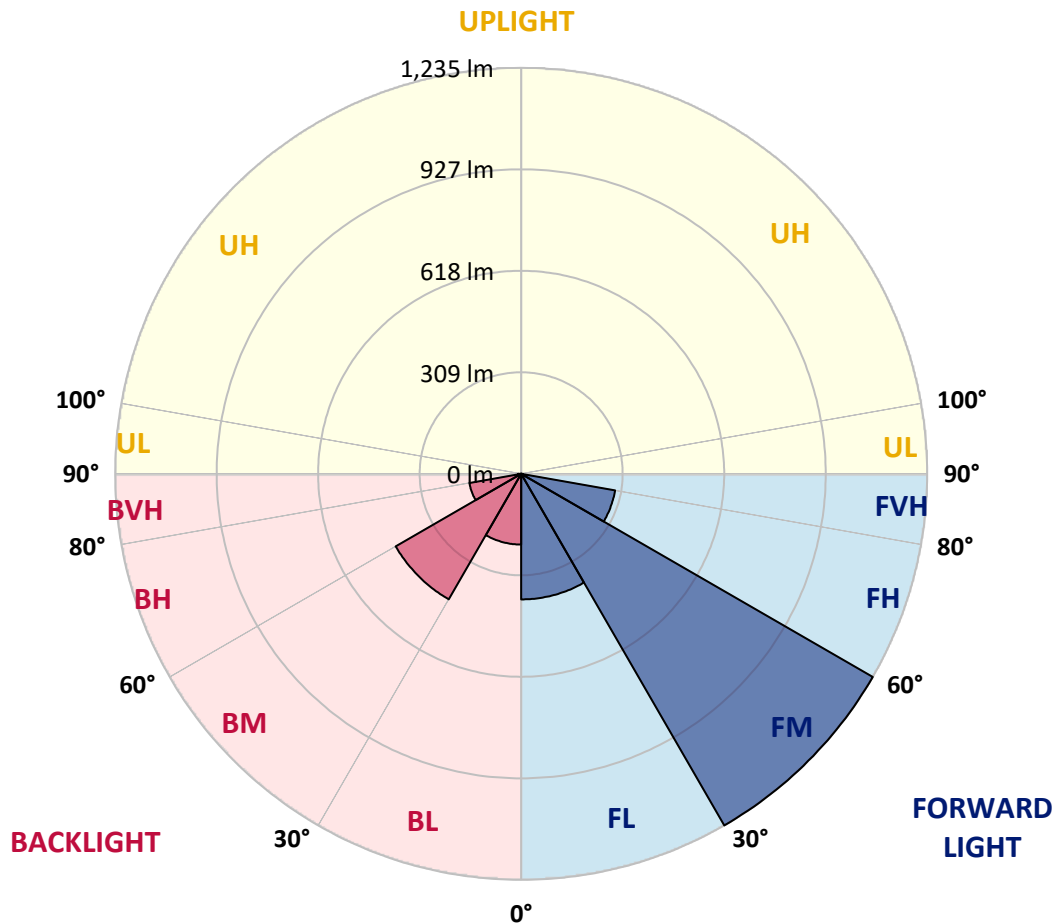
CATALOG NUMBER: GALN-SA1A-830-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.2	14.0			
FM	(30°-60°)	1235.5	45.1			
FH	(60°-80°)	290.3	10.6			G0/660
FVH	(80°-90°)	5.3	0.2			G0/10
BL	(0°-30°)	215.3	7.9	B1/500		
BM	(30°-60°)	441.0	16.1	B1/1000		
BH	(60°-80°)	160.0	5.8	B1/500		G1/500
BVH	(80°-90°)	9.3	0.3			G0/10
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°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6
2.5°	1235.8	1255.7	1234.2	1196.1	1169.1	1144.5	1118.7	1113.6	1079.8	1073.9	1049.2
5°	1165.6	1161.2	1135.0	1085.0	1029.8	979.8	942.9	907.1	882.9	854.7	852.7
7.5°	1080.2	1054.8	1039.7	963.9	895.6	817.0	783.3	728.9	711.8	686.4	673.3
10°	1004.0	985.3	950.0	874.2	778.9	726.9	690.8	661.4	641.5	615.3	582.4
12.5°	966.3	958.7	919.0	801.5	730.9	675.3	649.9	621.3	587.5	545.5	529.2
15°	973.0	947.6	917.4	787.6	690.0	636.4	595.9	560.2	516.9	476.8	453.4
17.5°	1023.4	1004.0	943.6	796.4	674.5	597.1	523.6	470.8	431.9	395.8	379.5
20°	1122.7	1094.5	1026.6	807.5	641.1	542.3	458.1	393.0	351.3	332.3	326.7
22.5°	1232.7	1216.0	1107.6	832.5	614.5	491.5	388.7	323.5	308.1	302.9	313.2
25°	1366.4	1323.2	1233.4	873.4	593.9	448.2	329.9	293.8	285.8	291.0	302.9
27.5°	1468.1	1456.6	1321.6	911.9	565.7	396.2	296.9	273.1	275.5	280.7	291.8
30°	1588.8	1530.4	1406.9	938.5	540.3	360.5	273.9	267.6	270.0	278.7	284.2
32.5°	1661.4	1639.6	1460.5	978.6	510.9	329.5	256.1	250.1	253.7	266.8	279.9
35°	1753.9	1710.6	1526.8	988.9	490.3	317.2	243.4	239.0	247.3	256.5	271.1
37.5°	1861.9	1832.1	1618.5	981.8	479.2	304.5	232.6	230.7	236.6	249.3	266.4
40°	1925.8	1916.7	1666.6	986.1	461.7	293.4	220.3	222.7	235.0	244.9	261.6
42.5°	1987.3	1927.8	1737.6	984.5	450.6	278.3	221.5	218.7	228.3	239.8	255.7
45°	2000.8	1941.7	1754.3	973.4	437.1	263.6	212.4	213.6	225.1	239.4	249.7
47.5°	1992.1	1948.4	1785.3	970.2	424.4	253.3	198.9	213.2	219.9	231.4	246.1
50°	1986.1	1983.8	1811.5	985.3	407.3	237.0	182.6	208.0	214.8	226.3	242.2
52.5°	2038.5	2033.4	1877.0	1025.0	393.8	219.5	165.9	194.9	211.2	222.3	237.8
55°	2070.3	2047.7	1989.3	1073.9	371.2	196.5	154.4	178.6	202.5	212.4	228.3
57.5°	1862.3	1846.8	1799.6	1002.4	333.1	166.3	140.1	162.0	190.6	206.0	222.3
60°	1549.5	1525.2	1404.2	851.9	245.7	129.4	131.4	148.9	187.4	193.3	212.4
62.5°	1460.9	1401.0	1236.2	685.6	188.6	111.2	117.9	137.0	170.7	180.6	199.7
65°	1159.2	1114.7	884.5	495.0	126.2	96.5	107.6	123.5	147.3	166.7	184.2
67.5°	725.7	683.2	472.0	234.2	88.1	82.6	96.1	112.7	132.2	149.7	169.1
70°	379.1	332.7	217.9	84.6	60.7	67.5	80.2	96.1	115.1	129.4	144.5
72.5°	141.3	114.7	71.1	36.5	42.1	51.6	65.1	76.6	90.1	107.6	115.9
75°	21.8	18.7	18.3	22.2	28.6	37.3	46.4	58.0	69.9	81.0	86.5
77.5°	10.3	9.9	11.1	14.7	19.1	26.6	33.7	44.9	54.4	61.5	64.7
80°	6.7	6.4	7.1	9.9	14.3	19.8	27.0	34.5	43.3	49.2	48.4
82.5°	4.0	4.4	4.4	6.7	9.9	14.3	19.5	26.2	32.2	37.3	34.1
85°	2.4	2.0	2.0	4.0	6.7	11.5	16.3	11.1	11.5	11.5	13.1
87.5°	0.8	0.8	0.8	0.4	0.8	0.8	1.2	2.0	2.4	2.8	3.6
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°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6
2.5°	1048.5	1060.8	1056.4	1040.9	1052.8	1054.8	1046.9	1074.3	1079.4	1071.1	1073.5
5°	850.0	853.1	860.3	875.4	886.1	898.8	898.8	899.6	888.9	915.9	907.9
7.5°	662.2	664.2	672.5	704.7	713.8	738.0	748.3	741.2	719.7	710.6	718.2
10°	571.7	560.2	557.4	561.3	582.0	592.3	601.0	598.7	595.1	587.9	580.0
12.5°	511.3	503.0	496.2	486.7	487.9	497.8	504.6	499.0	500.6	502.2	504.6
15°	445.8	439.9	436.3	422.0	420.4	427.2	429.5	432.7	438.7	439.1	436.3
17.5°	376.3	371.2	379.1	387.1	381.5	381.9	386.3	389.1	387.5	380.3	376.7
20°	328.7	334.3	342.2	349.7	355.7	359.3	360.9	356.5	351.3	336.6	336.3
22.5°	314.8	322.0	328.7	340.2	345.8	354.9	346.6	336.6	329.5	322.4	314.0
25°	304.5	310.4	323.9	328.3	339.0	346.6	340.6	330.7	318.4	308.1	301.7
27.5°	296.9	303.7	312.4	324.3	332.7	337.0	331.1	327.1	314.4	302.1	293.0
30°	292.2	299.3	315.2	325.1	332.3	335.9	325.5	320.8	311.6	301.3	293.4
32.5°	289.0	295.4	308.9	321.6	326.3	326.3	327.9	322.4	309.7	292.2	285.4
35°	278.7	287.4	298.5	313.2	322.0	327.1	319.2	312.8	304.5	286.6	274.3
37.5°	272.7	278.7	293.0	306.9	314.4	320.0	316.8	305.7	294.6	279.9	270.0
40°	266.4	275.9	288.6	301.7	310.0	315.6	313.2	300.1	286.6	272.7	266.0
42.5°	262.0	268.4	281.5	296.2	306.1	316.8	309.7	293.4	283.8	264.8	257.2
45°	258.4	268.8	282.7	288.6	298.9	310.0	297.3	287.4	276.3	262.4	256.1
47.5°	254.1	263.6	272.7	288.6	293.4	298.5	296.2	280.3	270.7	255.7	251.3
50°	252.5	256.1	272.7	281.5	288.2	293.4	287.0	275.1	266.0	250.5	241.0
52.5°	246.1	252.9	263.6	275.1	283.5	289.8	279.5	271.9	259.6	243.4	237.4
55°	238.2	242.2	261.2	273.1	277.5	281.9	277.9	265.6	252.9	236.2	230.3
57.5°	227.9	237.0	252.5	269.2	274.7	277.1	270.7	260.8	244.9	230.3	220.7
60°	217.2	226.7	243.8	257.2	262.8	271.5	262.0	256.1	237.8	221.5	211.2
62.5°	206.4	217.2	229.9	246.9	251.7	255.3	252.9	244.5	229.9	211.6	198.9
65°	193.7	201.7	217.6	226.3	229.5	237.8	229.5	226.3	213.2	195.7	185.0
67.5°	174.7	181.4	195.3	203.7	206.0	209.6	209.2	205.6	191.0	179.0	169.5
70°	152.8	158.8	167.5	177.5	178.6	183.0	179.0	178.2	168.7	152.4	147.3
72.5°	122.7	128.2	139.7	144.1	144.5	146.1	144.1	141.3	138.9	121.9	116.7
75°	94.1	97.3	102.8	106.8	106.8	108.8	107.6	104.8	98.5	87.7	82.6
77.5°	65.5	68.7	75.8	78.2	77.8	78.6	75.0	72.3	62.7	57.2	52.8
80°	47.6	49.6	53.2	54.8	55.2	56.4	52.0	49.6	44.1	37.7	35.7
82.5°	34.5	35.7	36.1	38.1	38.1	36.1	34.9	32.6	28.6	24.6	23.0
85°	14.3	14.7	15.1	17.5	17.9	21.4	19.8	18.7	16.3	13.9	12.7
87.5°	3.6	4.0	5.2	4.4	5.2	5.2	5.6	6.4	6.4	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6
2.5°	1082.6	1085.8	1126.3	1131.4	1151.3	1171.5	1212.4	1241.8	1265.6	1281.1	1285.5
5°	916.3	936.5	955.2	985.3	1012.7	1051.6	1096.5	1152.1	1221.9	1257.7	1272.0
7.5°	717.4	741.2	768.2	797.6	837.7	907.5	967.5	1031.8	1121.1	1158.0	1214.0
10°	585.6	612.2	647.9	670.5	718.9	785.6	855.5	929.8	1015.1	1068.3	1133.0
12.5°	517.7	539.5	572.5	620.1	656.2	699.5	751.5	845.2	967.5	1017.9	1062.3
15°	442.6	466.9	505.0	557.8	601.0	652.7	711.0	813.0	943.2	1021.1	1058.8
17.5°	380.7	398.2	438.3	483.9	533.6	589.9	673.7	811.4	968.7	1068.3	1129.8
20°	337.8	340.2	362.1	401.0	468.4	541.9	650.7	803.5	1050.0	1149.7	1227.5
22.5°	310.8	308.5	308.9	341.8	389.1	494.7	614.5	830.5	1142.5	1279.1	1331.5
25°	297.3	291.0	287.0	294.2	337.0	438.7	587.1	866.2	1242.2	1385.9	1450.2
27.5°	290.2	279.1	271.1	272.3	303.7	410.5	570.1	881.7	1341.0	1534.8	1557.4
30°	287.4	273.5	262.0	258.0	278.7	371.2	533.6	908.3	1429.6	1616.5	1636.0
32.5°	277.5	260.4	249.3	245.7	254.1	336.6	507.4	927.4	1507.8	1705.5	1698.7
35°	266.0	251.7	237.8	231.0	237.0	314.4	486.3	918.2	1599.9	1774.5	1771.0
37.5°	264.8	246.1	234.6	223.5	223.1	287.0	457.7	927.0	1658.6	1898.4	1849.6
40°	254.5	242.6	227.5	218.3	213.2	273.1	429.9	906.3	1744.8	1948.4	1900.4
42.5°	254.9	237.0	223.9	213.2	208.0	252.9	410.9	900.8	1774.9	2029.8	1924.2
45°	248.5	231.0	219.9	207.2	204.5	237.4	392.6	875.0	1828.1	2033.8	1894.4
47.5°	242.2	226.7	214.8	199.7	193.3	231.8	378.3	853.5	1800.4	1996.5	1853.2
50°	237.8	219.9	208.8	198.1	180.2	222.3	359.7	848.4	1761.4	1946.0	1776.5
52.5°	230.3	214.4	202.9	194.5	165.9	213.6	352.5	878.5	1809.1	1908.3	1754.3
55°	223.1	206.8	192.1	175.9	154.0	190.6	332.7	906.7	1878.6	1995.3	1855.1
57.5°	215.6	200.1	184.2	164.8	142.5	166.7	312.0	911.9	1748.3	1844.0	1761.1
60°	205.6	185.8	173.9	148.5	130.2	138.2	247.3	803.9	1356.1	1539.9	1542.7
62.5°	194.5	173.1	162.8	133.0	117.5	119.1	201.7	675.7	1100.1	1274.7	1350.6
65°	179.8	159.2	146.9	123.1	108.4	103.2	147.7	495.0	835.7	1034.2	1120.3
67.5°	160.8	141.3	125.8	107.2	96.9	88.5	100.8	278.7	493.5	694.3	720.5
70°	140.5	123.9	107.6	92.1	80.6	74.6	73.8	123.5	235.8	373.6	425.2
72.5°	110.8	98.9	85.7	74.2	66.7	58.0	52.8	51.2	79.8	152.0	210.0
75°	79.4	69.5	61.9	54.4	48.8	44.1	40.1	36.5	33.3	38.1	52.4
77.5°	50.0	46.4	40.5	38.5	35.3	34.1	32.6	30.6	28.2	26.6	26.6
80°	33.7	31.4	29.4	29.0	27.8	27.4	27.8	25.8	23.4	21.4	22.2
82.5°	22.6	22.2	21.8	21.4	21.8	22.2	23.0	22.6	20.6	19.5	19.8
85°	13.5	14.3	15.1	15.9	17.5	15.5	12.7	10.7	9.5	8.7	8.3
87.5°	5.2	7.1	6.4	6.0	6.4	6.0	5.6	5.2	4.4	4.0	4.0
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°	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6	1215.6
2.5°	1314.4	1322.4	1329.1	1327.5	1313.6	1295.0	1287.4	1248.9	1241.0	1235.8
5°	1332.3	1378.4	1388.3	1382.3	1346.2	1300.5	1256.1	1199.7	1166.8	1165.6
7.5°	1299.4	1356.1	1374.0	1387.5	1339.4	1260.0	1183.8	1099.3	1078.6	1080.2
10°	1215.6	1306.1	1350.2	1364.1	1308.9	1240.2	1134.6	1048.8	1004.8	1004.0
12.5°	1169.1	1240.2	1252.5	1272.0	1255.7	1186.2	1106.0	1009.9	967.1	966.3
15°	1127.9	1174.7	1178.3	1205.7	1214.4	1167.5	1113.6	1011.1	976.6	973.0
17.5°	1164.0	1131.4	1117.9	1121.5	1147.3	1164.4	1157.2	1078.6	1043.3	1023.4
20°	1188.2	1115.5	1074.7	1078.6	1109.2	1171.5	1222.3	1176.3	1120.3	1122.7
22.5°	1252.9	1117.9	1054.0	1049.6	1098.1	1208.8	1295.8	1299.7	1245.8	1232.7
25°	1349.8	1145.3	1047.7	1046.5	1092.9	1248.9	1381.5	1445.8	1390.7	1366.4
27.5°	1427.6	1188.2	1067.5	1071.5	1109.2	1281.5	1454.6	1539.9	1497.8	1468.1
30°	1495.9	1232.7	1095.3	1077.0	1152.9	1298.6	1485.9	1647.1	1613.4	1588.8
32.5°	1524.0	1295.8	1139.4	1109.2	1189.0	1319.2	1551.0	1751.1	1722.1	1661.4
35°	1571.7	1331.1	1163.2	1160.8	1252.1	1368.8	1581.6	1819.8	1807.9	1753.9
37.5°	1609.8	1366.8	1247.7	1221.5	1338.7	1452.2	1630.8	1914.7	1887.3	1861.9
40°	1639.2	1430.8	1326.7	1361.3	1445.0	1528.0	1676.1	1920.6	1999.6	1925.8
42.5°	1612.2	1487.9	1456.6	1539.1	1618.5	1614.6	1681.3	1966.7	2025.8	1987.3
45°	1605.4	1584.8	1661.8	1736.8	1755.1	1686.4	1644.3	1915.9	2017.9	2000.8
47.5°	1589.2	1680.1	1814.2	1936.5	1908.7	1734.5	1600.3	1906.7	2022.7	1992.1
50°	1583.6	1700.7	1927.0	2046.1	2029.4	1776.1	1579.6	1848.0	1988.9	1986.1
52.5°	1583.2	1743.2	1973.8	2105.6	2116.0	1842.0	1607.8	1877.8	2015.1	2038.5
55°	1601.1	1729.7	1967.9	2072.7	2068.7	1812.7	1611.0	1897.6	2047.3	2070.3
57.5°	1510.2	1549.5	1624.1	1707.1	1685.6	1501.4	1438.7	1754.3	1879.0	1862.3
60°	1304.1	1181.0	1096.9	1092.9	1051.2	993.7	1177.5	1565.7	1565.7	1549.5
62.5°	1142.1	775.3	666.2	635.2	665.0	731.3	1135.8	1522.9	1479.6	1460.9
65°	998.8	591.9	481.5	472.8	524.4	624.5	1027.0	1297.4	1221.1	1159.2
67.5°	642.7	433.5	358.1	342.6	404.9	458.5	683.6	798.0	749.9	725.7
70°	414.5	282.3	199.3	187.0	211.2	282.7	436.7	465.3	395.4	379.1
72.5°	196.1	121.9	69.9	57.6	64.7	108.0	172.7	185.8	154.4	141.3
75°	62.3	44.9	28.6	24.6	23.4	27.8	39.7	30.6	22.2	21.8
77.5°	27.8	26.6	22.6	19.1	16.7	13.9	11.5	9.5	9.9	10.3
80°	23.0	21.0	18.7	16.7	13.9	10.7	8.3	6.4	6.4	6.7
82.5°	20.2	18.3	16.3	13.9	11.9	8.7	6.4	4.4	4.0	4.0
85°	8.7	10.3	11.1	11.9	9.5	7.1	4.4	2.8	2.4	2.4
87.5°	3.6	3.2	2.8	2.4	2.0	2.0	1.6	1.2	0.8	0.8
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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