

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: P526131

Luminaire Tested: **GALN-SA1A-740-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526131
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-740-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 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: 2558 lumens
Efficiency: N/A
Efficacy: 77.5 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

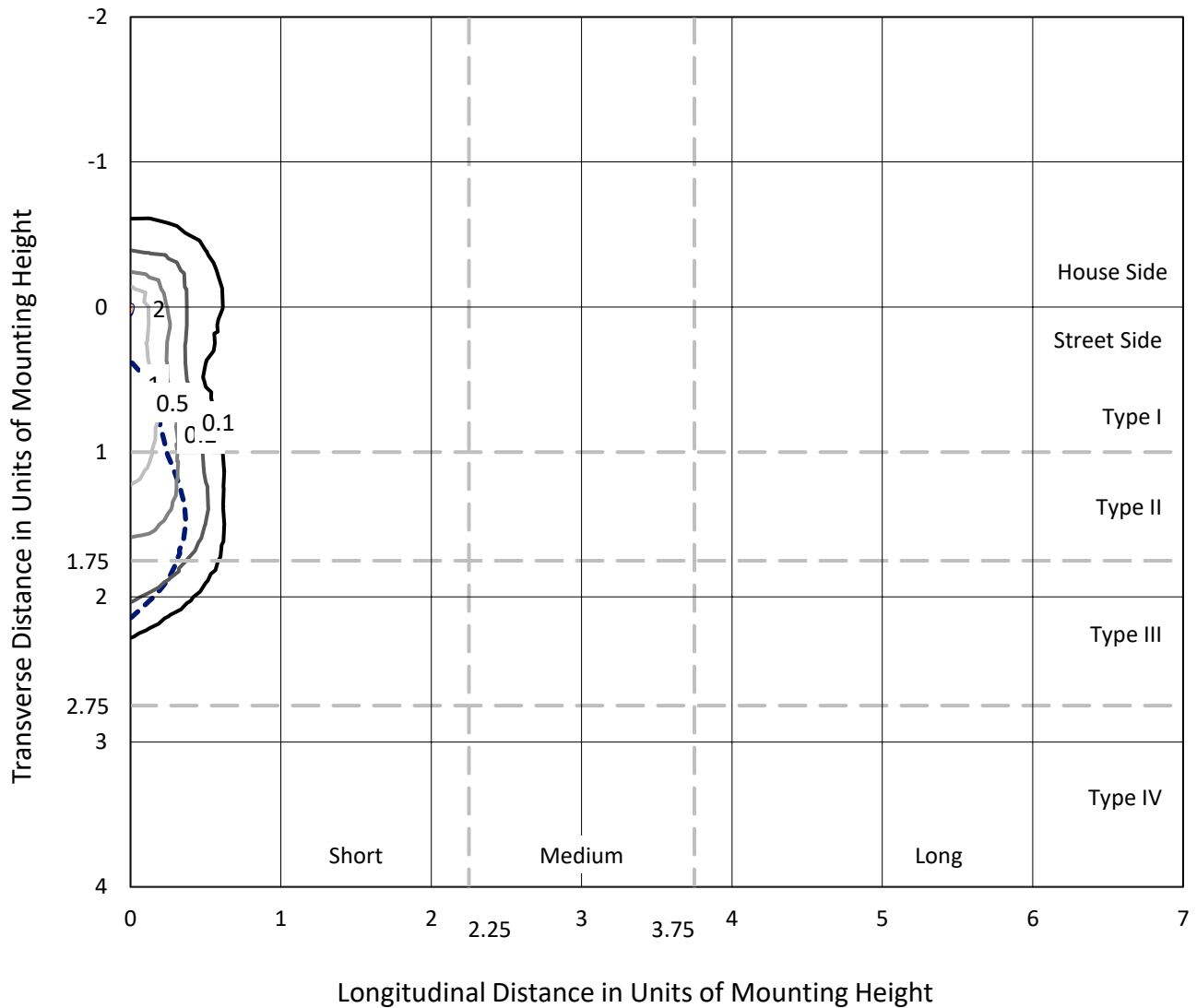
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

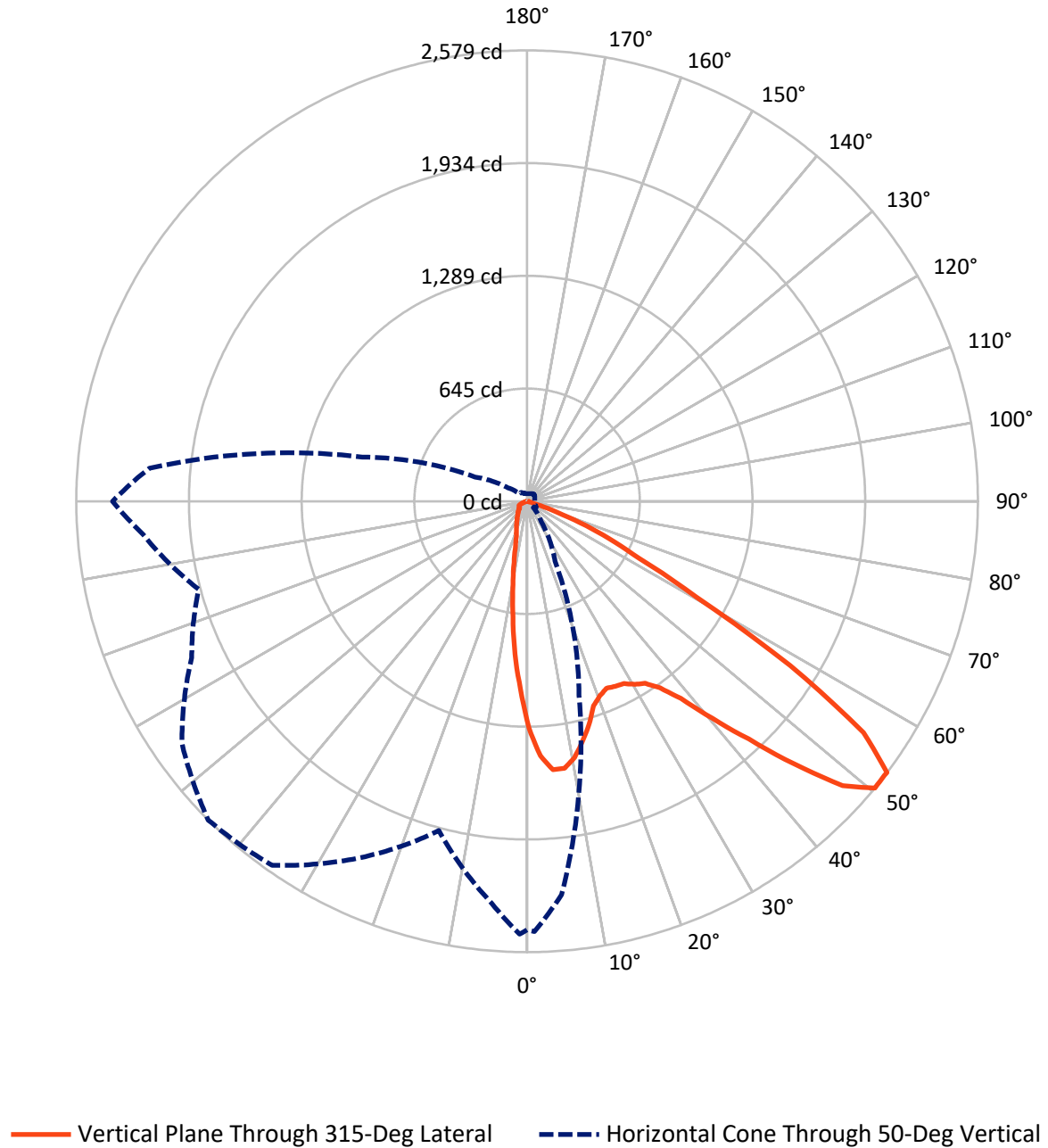
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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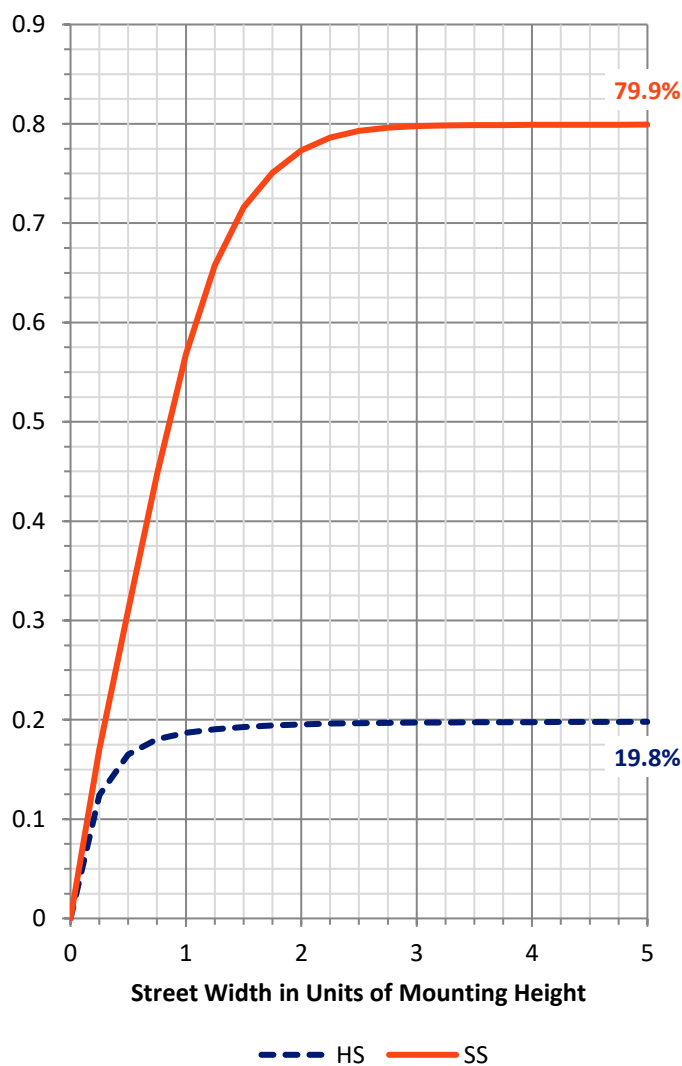
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	512.4	0.0	512.4
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2045.6	0.0	2045.6
	% Fixture	80.0	0.0	80.0
Total	Lumens	2558.0	0.0	2558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	3.7
10°-20°	187.9	7.3
20°-30°	282.3	11.0
30°-40°	423.7	16.6
40°-50°	595.5	23.3
50°-60°	642.4	25.1
60°-70°	298.3	11.7
70°-80°	28.1	1.1
80°-90°	5.2	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°	2558.0	100.0
0°-180°	2558.0	100.0

Coefficient of Utilization



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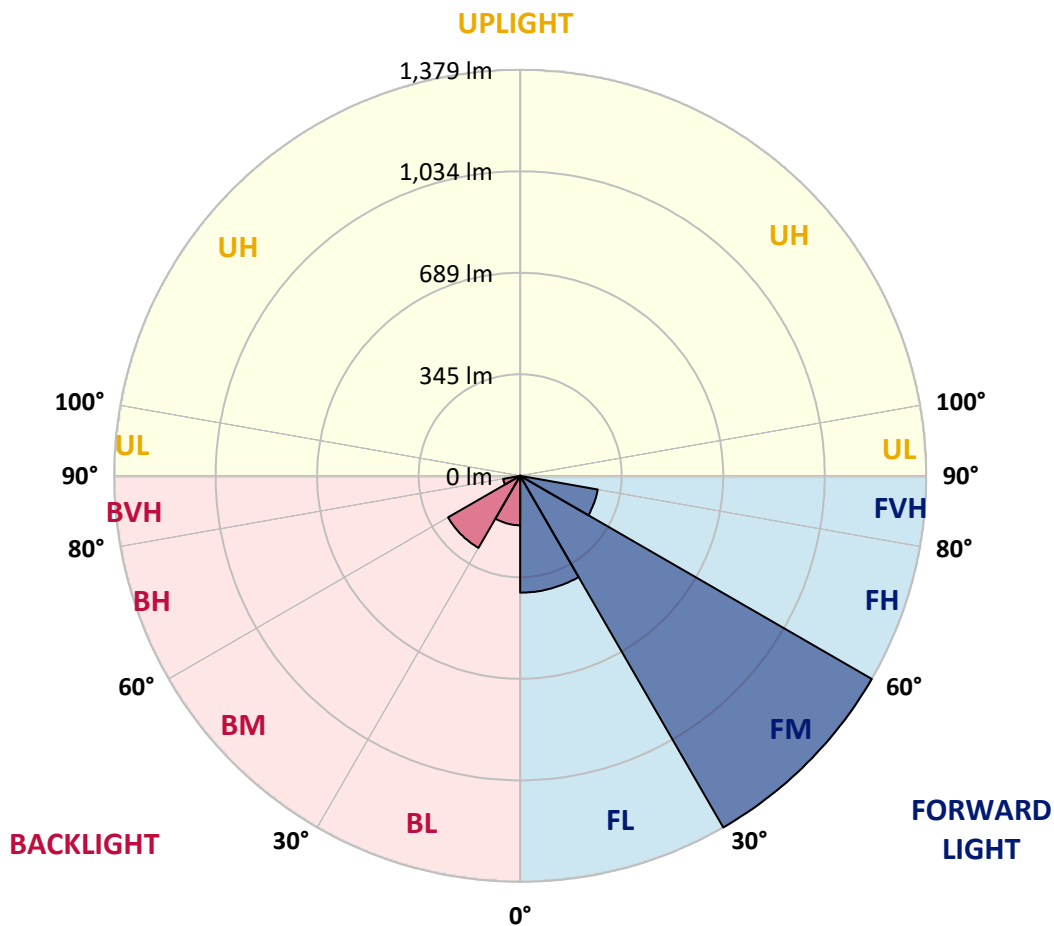
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	396.9	15.5			
FM (30°-60°)	1379.0	53.9			
FH (60°-80°)	267.5	10.5			G0/660
FVH (80°-90°)	2.3	0.1			G0/10
BL (0°-30°)	167.9	6.6	B1/500		
BM (30°-60°)	282.8	11.1	B1/1000		
BH (60°-80°)	58.8	2.3	B0/110		G0/110
BVH (80°-90°)	2.8	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°	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2
2.5°	1348.5	1327.7	1301.3	1279.5	1247.0	1181.5	1163.7	1142.4	1124.7	1100.8	1067.3
5°	1226.2	1219.6	1207.4	1125.2	1065.8	986.6	921.7	894.3	858.2	828.8	807.5
7.5°	1132.8	1106.4	1067.8	985.1	890.2	805.4	733.4	691.2	643.5	627.3	598.4
10°	1032.8	1038.9	982.1	865.8	751.1	682.6	638.0	597.4	554.2	525.8	484.7
12.5°	1000.8	981.0	937.4	793.8	695.8	631.9	577.6	527.3	481.6	436.0	396.4
15°	1021.6	991.2	930.3	778.5	653.2	573.5	505.5	437.5	395.4	337.0	295.9
17.5°	1096.2	1071.9	990.2	794.8	631.4	517.7	416.7	346.6	282.2	229.4	208.6
20°	1220.6	1186.1	1083.6	815.6	598.9	450.2	338.0	251.7	190.8	168.5	156.8
22.5°	1342.4	1323.6	1194.2	855.7	569.9	390.3	253.8	169.5	142.6	138.6	130.9
25°	1574.3	1518.0	1363.2	928.3	547.6	334.0	191.3	136.5	120.8	117.7	118.8
27.5°	1712.4	1665.2	1519.5	976.5	522.7	290.8	161.9	125.4	114.7	108.1	105.6
30°	1844.8	1790.0	1597.2	1004.9	469.5	245.1	143.6	120.3	117.7	108.1	105.1
32.5°	1946.9	1893.1	1709.3	1047.5	447.6	215.7	118.3	93.9	87.3	86.3	95.4
35°	2103.2	2045.8	1805.3	1070.9	430.9	200.5	102.5	83.7	76.1	73.1	73.6
37.5°	2248.8	2209.8	1894.1	1080.0	413.1	195.9	91.9	75.1	68.5	66.5	66.0
40°	2370.6	2283.3	1978.3	1089.7	405.5	187.3	85.3	68.5	63.9	60.9	60.9
42.5°	2426.5	2337.7	2072.7	1084.1	403.5	173.6	85.3	62.9	59.4	56.3	55.8
45°	2414.3	2378.3	2114.8	1081.5	403.5	159.9	77.7	61.4	56.3	52.3	51.3
47.5°	2445.8	2398.6	2167.6	1092.2	395.4	150.2	65.5	64.5	53.3	48.2	47.2
50°	2451.3	2460.5	2259.5	1147.5	377.6	138.0	51.3	63.4	51.3	43.6	42.6
52°	2487.9	2431.0	2287.4	1176.9	358.8	128.9	43.1	54.3	49.2	40.6	39.6
52.5°	2437.6	2474.7	2294.0	1187.6	360.8	122.8	41.6	53.3	48.2	40.6	38.1
55°	2381.3	2416.8	2267.1	1210.4	330.9	96.4	32.5	38.6	43.6	35.5	34.0
57.5°	2069.7	2105.7	1970.2	1108.4	269.5	68.0	26.9	28.9	38.6	33.0	31.5
60°	1839.8	1813.9	1653.5	924.7	191.3	38.1	21.3	22.3	42.1	30.5	29.9
62.5°	1681.4	1626.1	1382.0	714.1	116.7	25.4	16.7	17.3	32.5	28.4	28.4
65°	1243.9	1182.0	918.1	431.9	57.4	17.8	12.7	13.7	20.3	24.4	24.4
67.5°	710.0	686.2	443.6	194.9	23.9	11.2	9.6	10.7	15.7	19.8	18.8
70°	326.3	292.8	170.5	41.1	11.2	7.6	7.6	8.6	12.7	14.7	13.7
72.5°	95.4	90.3	41.6	6.6	4.6	4.6	5.1	6.6	9.6	11.2	10.2
75°	7.1	4.6	3.0	2.0	2.0	3.0	4.1	6.6	9.6	10.7	8.6
77.5°	0.5	1.0	0.5	0.5	1.5	3.0	4.6	8.1	12.7	13.2	9.6
80°	0.5	0.5	0.0	0.5	1.5	3.0	5.1	9.1	14.2	15.2	8.1
82.5°	0.0	0.0	0.0	0.5	2.0	4.1	6.1	9.6	13.2	16.2	8.6
85°	0.0	0.0	0.0	0.5	3.0	5.6	7.1	2.5	1.5	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°	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2
2.5°	1091.2	1078.0	1072.9	1077.5	1075.9	1074.4	1102.3	1096.2	1095.2	1104.4	1102.3
5°	819.1	795.8	859.7	833.9	860.8	877.0	880.0	881.6	900.3	880.6	906.4
7.5°	583.7	589.7	589.2	606.5	637.4	664.9	681.1	668.4	667.4	664.9	653.7
10°	466.4	455.8	453.7	449.7	459.3	482.7	502.4	486.7	475.5	490.8	486.2
12.5°	381.1	366.4	358.3	342.1	342.6	358.3	358.3	358.3	369.5	378.1	384.7
15°	292.3	280.2	280.2	263.9	260.4	260.9	269.0	270.0	287.8	292.8	295.4
17.5°	204.5	197.9	205.5	212.1	208.1	209.1	212.1	213.2	215.7	213.7	218.7
20°	157.3	156.3	158.3	170.0	178.6	183.7	180.2	175.1	172.1	164.9	164.9
22.5°	133.5	135.5	139.1	148.7	159.9	162.9	158.9	147.2	138.0	137.0	137.5
25°	118.8	120.8	126.4	132.5	138.6	143.6	139.6	130.9	125.9	121.3	121.3
27.5°	109.6	110.6	113.7	118.3	123.3	127.4	125.9	121.3	115.7	113.7	109.1
30°	102.5	104.0	107.6	108.6	113.2	115.2	112.7	111.7	108.1	105.6	104.0
32.5°	99.0	98.5	101.0	102.0	102.5	104.0	101.0	102.5	102.0	98.0	96.4
35°	74.6	78.7	85.3	90.8	92.4	94.4	93.9	91.9	86.3	81.7	76.1
37.5°	67.0	69.5	73.1	77.7	83.7	86.3	85.3	80.2	73.6	70.5	69.5
40°	61.9	63.4	66.5	69.5	75.6	80.2	76.6	72.1	67.0	64.5	62.9
42.5°	57.4	57.9	59.4	62.4	67.0	74.1	68.0	61.9	59.9	58.4	57.4
45°	52.3	52.3	54.3	55.8	60.9	67.5	61.4	55.8	54.8	53.8	53.3
47.5°	48.2	48.7	49.7	51.8	55.8	60.4	56.3	51.8	49.2	48.7	47.7
50°	43.1	43.6	45.7	47.7	52.8	55.3	52.8	47.7	45.2	43.6	43.6
52°	39.1	40.6	42.6	46.7	50.2	54.3	51.3	45.7	42.6	41.1	40.1
52.5°	38.6	39.6	41.6	46.2	50.2	53.8	50.8	45.2	41.6	40.6	39.6
55°	34.5	36.0	39.6	45.2	49.7	53.8	49.7	44.7	39.6	37.0	36.0
57.5°	33.0	34.0	38.6	45.7	49.2	53.8	49.7	44.7	39.6	35.0	34.0
60°	31.5	33.5	38.6	44.2	48.7	54.3	50.2	44.2	38.6	33.0	33.0
62.5°	29.9	31.5	38.1	43.1	46.7	52.3	48.2	43.1	37.0	31.5	31.0
65°	25.9	28.4	33.5	36.0	40.1	45.2	41.1	37.6	32.5	27.9	27.4
67.5°	19.8	20.8	24.9	27.9	30.5	35.0	33.0	28.4	24.9	21.3	21.3
70°	13.7	14.7	17.8	19.3	21.8	24.4	22.8	19.3	16.7	14.7	14.2
72.5°	9.6	10.2	11.2	12.2	13.2	14.2	13.7	11.2	9.6	9.1	8.6
75°	7.6	8.6	9.1	8.6	8.1	7.6	7.6	6.6	5.6	5.1	5.1
77.5°	7.6	8.1	7.6	6.6	5.6	5.1	4.6	4.1	3.0	2.5	3.0
80°	6.6	6.6	6.6	5.6	5.1	4.6	4.1	3.6	3.0	2.5	2.5
82.5°	7.1	7.1	6.6	5.6	5.6	4.6	4.6	4.1	3.6	2.5	2.5
85°	0.0	0.0	0.0	1.0	2.5	4.6	4.6	4.1	3.6	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.5	3.0	3.0	3.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2
2.5°	1120.6	1139.9	1176.4	1213.0	1235.3	1261.7	1309.4	1334.8	1367.8	1384.0	1416.0
5°	902.9	948.6	964.8	1006.4	1051.1	1095.7	1166.8	1245.0	1309.9	1354.6	1412.4
7.5°	658.8	669.4	732.4	760.3	833.4	914.6	1011.5	1110.0	1192.2	1265.3	1309.4
10°	493.8	532.9	572.5	625.8	684.6	768.4	861.3	969.9	1076.5	1149.5	1205.4
12.5°	396.9	427.8	480.6	538.0	610.6	665.9	759.3	866.8	1004.9	1076.5	1150.0
15°	300.5	340.0	399.9	459.3	535.9	594.3	688.7	824.2	1001.9	1100.3	1163.7
17.5°	222.8	249.7	303.5	370.0	448.1	530.4	657.7	819.6	1035.9	1153.1	1218.6
20°	170.5	179.7	213.7	273.0	357.8	465.4	607.5	839.4	1136.3	1281.5	1348.0
22.5°	138.0	142.1	155.3	196.4	278.6	408.6	583.7	853.1	1249.5	1435.3	1524.1
25°	120.3	119.3	127.9	145.7	217.7	355.3	553.2	904.9	1388.1	1616.0	1695.6
27.5°	109.6	109.6	113.7	126.4	180.7	320.8	533.9	942.0	1527.6	1774.8	1817.9
30°	104.0	105.1	116.7	120.8	150.2	279.6	501.9	979.5	1661.1	1876.3	1935.7
32.5°	96.4	92.4	89.8	100.0	126.4	242.6	470.0	995.3	1769.2	2000.7	2051.4
35°	74.1	72.1	75.1	82.7	108.6	211.1	434.4	1013.0	1893.6	2144.8	2154.9
37.5°	67.0	66.5	68.5	75.1	91.4	183.7	409.1	1008.4	1988.5	2264.1	2236.7
40°	61.9	61.9	63.4	69.0	81.7	164.4	382.7	1004.4	2080.3	2398.0	2317.9
42.5°	57.9	57.9	60.4	63.9	77.7	151.7	362.9	998.8	2157.5	2480.3	2365.6
45°	52.3	53.8	57.9	61.4	78.7	143.1	348.2	977.5	2183.9	2479.2	2342.7
47.5°	48.2	50.2	54.3	59.4	71.1	140.6	338.0	958.7	2174.7	2418.3	2271.2
50°	43.6	46.2	51.8	60.4	60.4	135.5	327.4	975.5	2168.1	2371.1	2202.6
52°	40.6	42.6	49.7	58.9	52.8	124.9	320.8	1007.9	2195.0	2365.1	2172.2
52.5°	40.1	41.6	48.2	57.9	50.2	122.8	316.2	1015.6	2203.7	2349.8	2193.0
55°	35.5	37.6	44.2	45.2	41.1	101.0	301.5	1032.8	2161.0	2319.9	2173.2
57.5°	33.5	34.5	39.1	37.0	35.5	76.1	259.3	1005.9	1919.5	2060.5	2022.0
60°	31.0	32.0	36.5	28.9	29.9	53.3	194.9	873.4	1541.3	1716.9	1786.5
62.5°	29.9	29.4	34.5	23.3	25.4	38.6	137.5	710.0	1187.6	1413.5	1533.7
65°	26.4	25.9	24.9	19.8	21.8	29.9	82.2	463.4	836.9	1069.4	1135.3
67.5°	20.3	21.3	18.3	15.7	18.3	23.3	45.7	207.6	439.0	641.5	694.8
70°	14.2	15.2	14.7	13.7	16.2	19.3	26.4	71.1	181.7	337.0	371.5
72.5°	8.6	10.7	11.2	11.7	14.2	16.7	18.8	22.8	48.2	119.3	148.2
75°	5.1	7.1	8.6	10.2	11.7	14.2	15.7	16.2	16.7	22.3	36.0
77.5°	3.6	5.1	7.6	9.6	11.7	14.2	16.7	17.8	16.7	15.7	16.7
80°	3.0	5.1	7.1	9.1	12.2	14.7	16.7	16.7	16.2	14.2	15.2
82.5°	3.0	5.1	7.6	9.6	11.7	14.2	16.2	16.7	15.2	14.2	14.7
85°	3.6	5.6	8.1	10.2	12.7	11.7	10.7	8.6	8.1	6.6	7.1
87.5°	3.6	5.1	5.1	5.6	6.1	6.1	6.1	5.6	4.6	4.1	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2
2.5°	1417.5	1458.1	1456.6	1457.6	1451.5	1410.4	1390.6	1340.4	1354.6	1348.5
5°	1471.8	1511.9	1546.4	1542.4	1495.7	1439.8	1357.1	1279.0	1257.6	1226.2
7.5°	1417.5	1513.9	1545.9	1541.3	1472.3	1400.8	1268.8	1190.6	1153.6	1132.8
10°	1331.2	1442.9	1482.5	1490.6	1443.9	1335.3	1214.0	1088.6	1068.8	1032.8
12.5°	1282.0	1363.2	1387.6	1409.4	1393.2	1311.9	1172.4	1052.1	1024.7	1000.8
15°	1241.9	1290.1	1300.3	1325.1	1334.8	1291.1	1194.2	1091.7	1024.2	1021.6
17.5°	1279.0	1259.2	1222.1	1229.7	1260.2	1291.6	1250.5	1169.8	1104.4	1096.2
20°	1340.4	1253.1	1169.3	1188.1	1213.5	1309.9	1335.8	1279.0	1241.4	1220.6
22.5°	1410.9	1263.7	1152.6	1161.7	1209.9	1351.0	1473.8	1442.4	1372.3	1342.4
25°	1541.3	1293.2	1165.8	1171.9	1237.8	1408.4	1598.7	1622.0	1580.4	1574.3
27.5°	1668.7	1369.3	1194.7	1181.0	1252.1	1464.2	1674.3	1799.7	1726.6	1712.4
30°	1733.7	1431.2	1237.8	1214.5	1310.9	1498.2	1720.0	1915.4	1851.4	1844.8
32.5°	1833.2	1487.5	1271.3	1241.4	1343.9	1540.3	1805.3	2041.8	1979.8	1946.9
35°	1874.8	1549.0	1344.9	1309.9	1438.3	1599.2	1848.9	2154.4	2135.1	2103.2
37.5°	1955.0	1614.9	1431.7	1429.7	1552.5	1675.8	1927.6	2307.7	2304.2	2248.8
40°	1961.6	1687.0	1568.8	1632.7	1729.1	1809.3	1996.6	2350.3	2408.2	2370.6
42.5°	1971.7	1813.4	1805.8	1858.5	1941.3	1924.0	1999.1	2360.5	2448.8	2426.5
45°	1976.3	1939.8	2046.8	2144.3	2178.8	2074.2	1975.3	2341.2	2470.1	2414.3
47.5°	1939.8	2048.4	2241.7	2430.0	2440.2	2166.6	1965.1	2321.4	2482.8	2445.8
50°	1944.8	2116.4	2410.2	2578.7	2541.7	2248.3	1949.4	2309.2	2476.2	2451.3
52°	1932.6	2117.9	2434.1	2575.7	2549.8	2203.2	1922.5	2262.5	2470.1	2487.9
52.5°	1946.4	2108.8	2409.2	2577.7	2544.2	2225.5	1918.9	2288.4	2473.7	2437.6
55°	1899.2	2000.1	2263.6	2335.1	2330.0	2019.9	1809.8	2202.6	2380.8	2381.3
57.5°	1716.4	1733.7	1775.3	1773.8	1750.4	1588.0	1547.9	2025.5	2122.5	2069.7
60°	1512.4	1269.3	1157.2	1111.5	1085.6	1059.2	1369.3	1853.0	1862.1	1839.8
62.5°	1306.9	880.0	730.8	718.1	724.2	820.7	1323.6	1784.5	1729.6	1681.4
65°	1054.6	641.5	530.9	514.1	573.5	677.5	1071.4	1368.3	1284.0	1243.9
67.5°	662.3	467.9	358.8	327.4	398.9	466.4	703.9	859.7	765.3	710.0
70°	392.8	261.4	162.4	145.7	163.9	248.7	394.3	428.9	354.8	326.3
72.5°	154.8	95.9	45.2	38.6	40.1	87.3	145.2	141.6	107.1	95.4
75°	41.6	28.9	15.7	12.7	10.7	16.2	23.3	15.2	5.6	7.1
77.5°	19.3	17.3	13.7	10.7	8.1	6.1	3.0	1.0	1.0	0.5
80°	16.7	14.7	12.7	10.7	8.1	5.1	2.5	0.5	0.5	0.5
82.5°	15.7	13.7	11.7	9.6	7.6	5.1	2.5	0.5	0.0	0.0
85°	6.6	8.6	9.6	9.1	8.1	5.1	2.5	0.5	0.0	0.0
87.5°	3.6	3.0	2.5	2.0	1.5	1.0	1.0	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

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