

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: P526025

Luminaire Tested: **GALN-SA1A-722-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-722-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1880 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

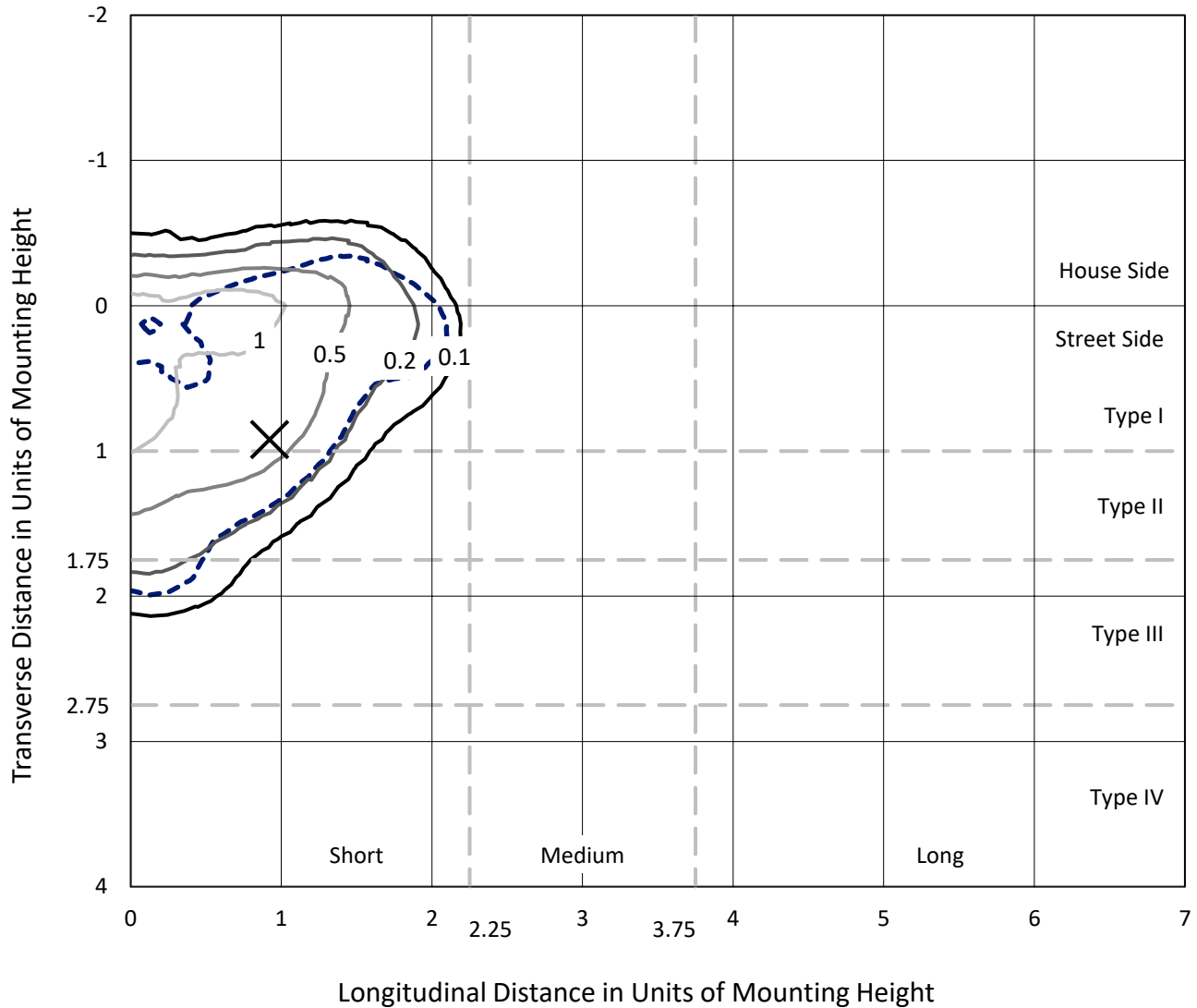
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

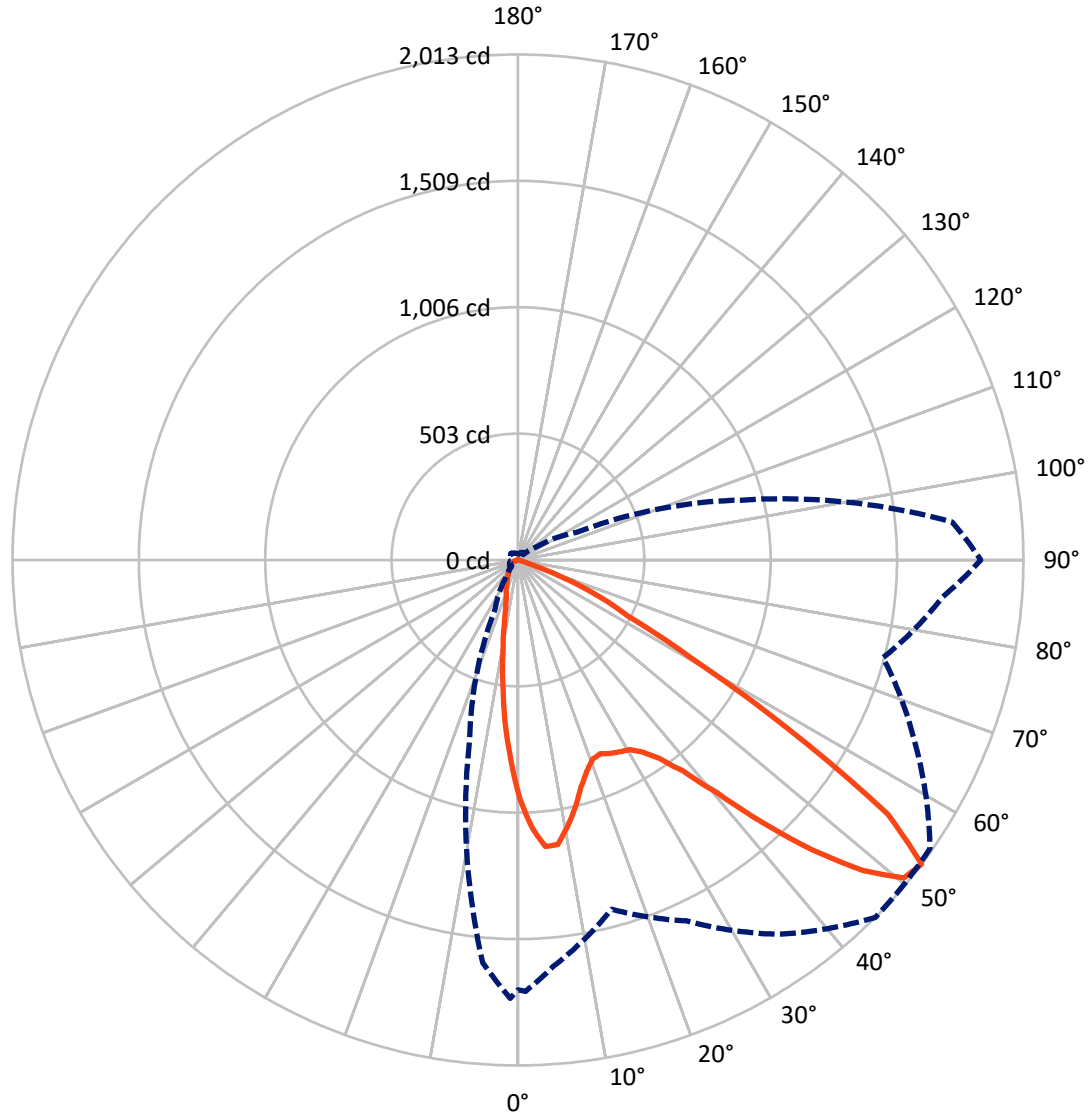
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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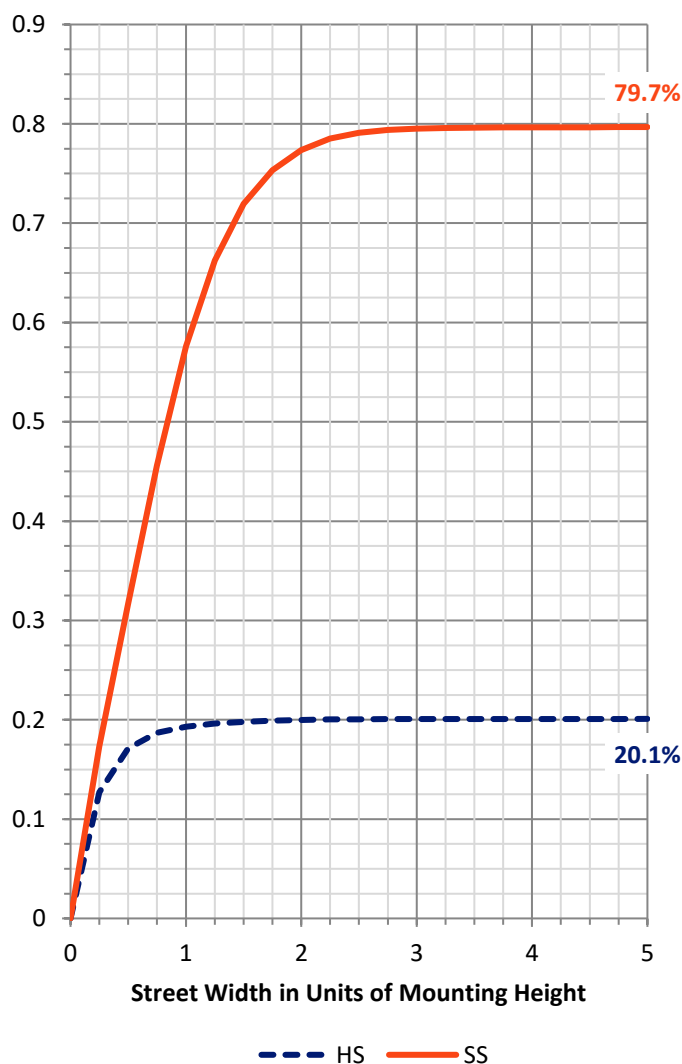
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	381.5	0.0	381.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	1498.4	0.0	1498.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	1880.0	0.0	1880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	3.7
10°-20°	137.2	7.3
20°-30°	208.7	11.1
30°-40°	312.0	16.6
40°-50°	444.3	23.6
50°-60°	477.6	25.4
60°-70°	211.6	11.3
70°-80°	17.1	0.9
80°-90°	2.0	0.1
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°	1880.0	100.0
0°-180°	1880.0	100.0

Coefficient of Utilization

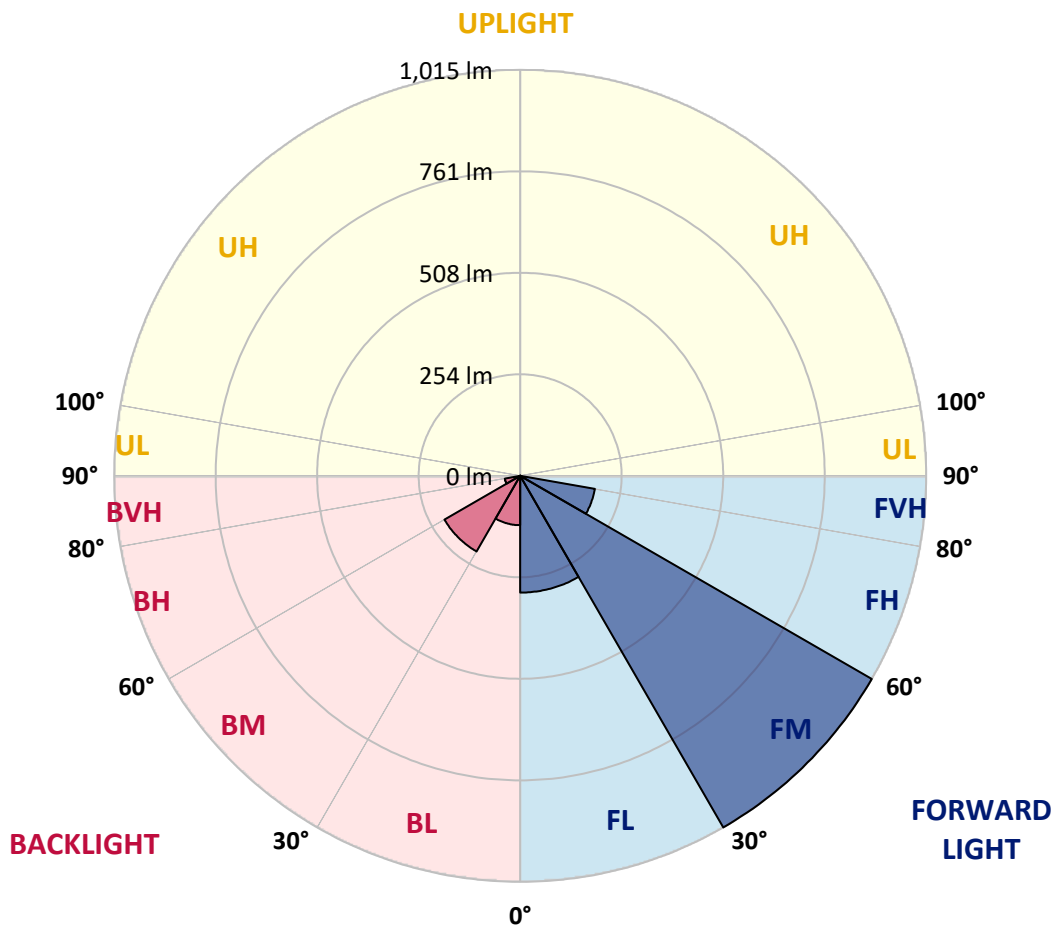


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.0	15.5			
FM (30°-60°)	1015.3	54.0			
FH (60°-80°)	189.7	10.1			G0/660
FVH (80°-90°)	1.5	0.1			G0/10
BL (0°-30°)	123.4	6.6	B1/500		
BM (30°-60°)	218.6	11.6	B0/220		
BH (60°-80°)	39.0	2.1	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			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°	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
2.5°	1008.7	1011.7	1027.9	1048.3	1059.0	1083.4	1066.4	1070.8	1061.6	1029.0	1003.5
5°	978.0	977.7	998.4	1048.6	1096.3	1144.8	1146.3	1120.4	1074.9	1025.0	953.6
7.5°	885.6	900.0	921.4	1001.7	1090.1	1126.3	1143.7	1113.4	1043.5	972.1	894.8
10°	815.7	823.1	859.3	956.2	1020.9	1069.4	1080.1	1062.7	1009.1	920.0	833.4
12.5°	775.4	779.1	821.6	903.0	971.4	1007.2	1012.4	1020.5	982.1	898.5	794.6
15°	775.8	778.7	836.0	904.1	931.1	921.4	938.5	938.1	954.7	894.5	827.2
17.5°	831.6	834.9	886.7	920.3	908.5	886.0	884.8	901.9	937.0	945.1	876.3
20°	927.7	935.5	973.6	971.7	905.2	859.7	847.1	860.1	941.8	988.0	975.4
22.5°	1057.2	1067.9	1094.5	1043.5	920.3	841.9	837.9	863.0	973.6	1083.8	1087.8
25°	1207.3	1225.4	1238.3	1172.9	974.3	872.6	853.4	896.7	1016.5	1187.7	1230.9
27.5°	1306.7	1325.6	1322.6	1229.1	1010.6	880.8	864.5	904.8	1053.8	1212.5	1305.6
30°	1384.4	1395.9	1416.6	1259.4	1046.8	903.7	876.0	939.2	1066.0	1255.3	1395.9
32.5°	1475.0	1482.7	1484.2	1313.0	1102.6	932.5	911.5	982.1	1120.0	1296.4	1475.7
35°	1566.3	1577.8	1553.7	1379.2	1137.0	986.2	970.6	1056.4	1163.3	1338.9	1563.7
37.5°	1665.4	1671.3	1615.9	1406.6	1186.2	1073.4	1064.9	1136.6	1238.3	1415.8	1661.3
40°	1748.6	1754.2	1682.0	1440.2	1238.0	1195.4	1217.3	1289.7	1340.4	1465.7	1710.2
42.5°	1794.8	1807.8	1704.2	1421.7	1341.9	1333.7	1430.6	1456.1	1458.7	1479.8	1753.8
45°	1807.4	1801.5	1667.6	1436.9	1432.8	1561.1	1649.1	1682.8	1576.3	1505.7	1764.9
47.5°	1749.3	1757.1	1613.6	1423.6	1552.3	1733.4	1847.3	1909.8	1663.9	1483.1	1737.5
50°	1702.4	1692.4	1596.3	1414.0	1584.4	1814.8	1990.4	2004.5	1744.5	1510.8	1707.6
52.5°	1711.6	1717.9	1624.0	1439.5	1585.2	1819.6	2012.6	2003.0	1747.1	1504.6	1696.8
55°	1731.2	1703.5	1612.2	1383.3	1479.0	1685.4	1786.3	1771.5	1612.5	1437.6	1670.6
57.5°	1493.8	1536.7	1482.4	1235.0	1213.9	1269.8	1267.9	1313.4	1202.8	1237.2	1520.8
60°	1212.5	1219.8	1240.2	1056.4	840.1	820.9	794.2	765.4	809.4	1057.9	1383.3
62.5°	1066.4	1057.5	1130.0	961.0	593.1	496.6	492.2	509.9	624.5	1009.1	1297.5
65°	775.0	786.1	838.6	745.8	445.2	379.0	372.4	424.9	505.5	808.7	990.2
67.5°	473.3	494.7	499.5	460.0	302.1	240.0	230.4	278.1	365.0	523.2	580.5
70°	218.5	244.4	268.8	251.1	174.9	98.7	93.2	116.8	184.1	301.0	308.0
72.5°	66.2	66.6	93.2	97.2	56.6	22.2	19.6	25.9	62.5	99.5	104.6
75°	4.8	5.2	12.6	14.4	10.7	5.5	5.9	7.0	13.3	22.2	16.6
77.5°	0.4	0.4	0.4	1.8	3.3	3.7	4.8	5.5	7.0	8.1	7.4
80°	0.4	0.0	0.4	1.5	2.6	3.7	4.4	5.2	5.5	6.3	5.5
82.5°	0.0	0.0	0.0	1.1	2.6	3.7	4.1	5.5	6.3	7.4	6.3
85°	0.0	0.0	0.0	1.1	2.6	4.1	3.7	1.8	0.0	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°	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
2.5°	1008.0	993.6	960.6	944.0	904.8	899.3	860.8	854.5	841.6	834.6	817.5
5°	922.2	904.8	851.2	806.1	753.6	717.0	688.9	663.4	648.6	634.9	641.2
7.5°	852.3	801.6	742.1	666.7	606.0	566.8	524.0	488.8	468.1	454.1	457.4
10°	779.1	746.2	663.4	578.7	505.5	477.7	444.1	417.1	387.9	362.7	350.9
12.5°	756.2	707.4	603.5	517.3	461.8	434.8	396.4	365.3	328.0	297.3	286.6
15°	760.2	713.3	587.2	495.1	429.7	383.1	337.2	298.8	257.7	236.3	225.2
17.5°	826.4	745.1	597.9	471.8	384.9	320.2	263.6	214.8	184.1	162.0	157.1
20°	907.8	813.8	620.8	454.8	348.3	254.8	192.6	150.5	125.0	121.3	120.2
22.5°	1026.8	926.3	670.0	443.3	303.6	198.6	132.0	109.4	102.4	101.7	102.1
25°	1193.2	1067.1	723.6	433.7	269.9	153.1	108.0	92.8	90.6	89.5	91.3
27.5°	1265.3	1152.2	752.1	413.0	239.2	137.9	106.5	92.1	85.8	83.9	85.0
30°	1354.4	1208.8	796.8	377.5	194.1	113.5	99.5	100.2	97.2	88.0	85.0
32.5°	1472.8	1279.4	819.4	352.4	173.4	93.9	72.8	66.9	74.7	76.2	78.8
35°	1548.6	1351.1	830.9	337.6	162.7	80.2	61.8	56.2	54.4	54.7	56.2
37.5°	1689.4	1448.0	845.3	322.1	154.6	69.9	55.8	50.7	48.1	48.1	49.5
40°	1773.8	1524.9	864.9	313.6	146.4	63.6	50.7	46.2	44.0	44.0	44.7
42.5°	1794.8	1563.0	858.2	310.6	137.2	62.1	46.2	42.9	40.3	39.9	39.6
45°	1832.5	1621.0	859.3	307.3	127.6	56.6	43.6	39.9	36.2	35.9	35.5
47.5°	1874.0	1662.8	861.5	294.3	118.3	47.3	45.5	37.0	32.5	31.8	31.8
50°	1838.5	1696.1	880.8	281.4	106.5	38.5	44.7	34.8	28.8	27.7	28.1
52.5°	1842.9	1735.3	921.4	263.3	91.7	30.7	36.2	32.9	26.3	24.4	24.8
55°	1771.9	1693.9	927.0	244.0	71.7	23.7	27.7	28.8	22.2	21.4	21.4
57.5°	1525.3	1434.3	817.9	197.8	47.3	19.6	20.0	25.1	19.2	18.5	18.9
60°	1305.3	1151.4	658.2	130.5	29.6	15.5	14.4	25.5	17.0	16.6	17.7
62.5°	1189.9	946.2	499.2	81.0	20.3	11.8	10.0	20.7	14.8	14.8	16.3
65°	859.7	635.6	290.3	42.5	14.4	9.2	7.4	11.8	12.2	12.6	13.3
67.5°	532.5	321.0	122.4	20.7	9.6	6.3	4.8	7.4	8.1	8.1	8.9
70°	262.9	127.9	40.7	11.8	7.4	5.2	3.3	4.1	4.1	3.7	4.1
72.5°	81.3	38.5	10.4	7.4	5.2	3.3	1.8	1.5	0.7	0.0	0.4
75°	9.2	7.4	6.7	5.2	3.3	1.5	0.4	0.0	0.0	0.0	0.0
77.5°	5.5	6.3	6.3	5.2	3.3	1.1	0.0	0.0	0.0	0.0	0.0
80°	4.4	4.8	5.2	4.8	3.0	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	5.5	6.3	7.0	6.3	4.1	1.8	0.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	1.1	0.4	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
2.5°	810.5	802.4	813.8	796.8	796.5	796.8	792.0	787.6	794.6	813.5	815.3
5°	618.6	636.0	641.5	659.7	649.7	634.9	637.8	627.9	652.3	663.0	654.5
7.5°	450.4	449.3	486.6	488.8	493.6	494.0	493.3	473.7	453.7	458.1	471.4
10°	349.4	330.6	348.7	346.8	358.7	355.3	360.1	339.1	346.1	346.1	354.6
12.5°	284.7	264.7	261.4	256.6	261.4	263.3	265.1	261.1	272.9	278.4	284.3
15°	217.4	206.3	203.4	194.1	195.6	200.8	205.2	207.1	203.4	211.9	212.6
17.5°	157.9	157.5	159.4	159.0	157.5	156.4	156.0	151.2	149.8	150.5	153.5
20°	119.8	122.8	129.0	135.3	138.7	134.6	129.0	120.9	117.6	118.3	118.7
22.5°	102.4	106.9	115.4	122.4	125.7	118.3	108.3	101.3	99.8	99.5	99.1
25°	92.8	98.0	104.3	106.5	106.1	101.7	94.3	91.3	90.6	89.9	86.5
27.5°	87.6	89.5	90.6	93.2	94.3	91.3	89.5	85.0	84.3	84.3	82.1
30°	84.7	83.6	85.0	83.2	84.7	82.5	82.8	82.8	81.0	81.7	81.7
32.5°	78.8	79.1	79.1	75.4	76.5	74.0	76.5	78.8	79.1	79.5	82.5
35°	57.7	64.3	67.7	67.7	68.8	66.9	66.6	64.0	60.6	57.3	55.8
37.5°	50.7	53.2	57.7	60.3	62.1	60.6	57.3	53.2	51.4	49.9	48.4
40°	45.1	47.3	50.3	53.2	56.9	55.1	49.9	48.1	45.9	45.9	44.4
42.5°	40.7	41.8	43.6	48.1	52.1	48.4	44.7	43.3	42.2	41.8	41.4
45°	36.6	37.0	38.8	42.5	47.3	43.6	39.9	38.1	38.5	38.8	38.5
47.5°	32.9	33.6	34.8	39.2	42.2	40.3	36.2	35.1	35.1	35.1	35.5
50°	28.5	30.3	32.5	36.2	38.5	37.3	34.0	32.5	31.8	31.8	32.2
52.5°	25.5	27.0	30.0	34.4	37.3	35.5	32.2	30.0	28.5	28.1	28.8
55°	22.2	24.8	29.6	32.9	37.0	35.1	31.4	28.8	26.3	25.9	25.9
57.5°	20.0	24.0	28.5	32.5	35.9	34.4	31.4	28.1	24.8	24.4	24.4
60°	18.9	23.3	27.7	31.4	35.9	33.6	31.1	27.4	23.7	23.7	23.3
62.5°	17.7	21.8	26.3	30.0	34.4	32.5	30.0	26.3	22.6	22.6	21.8
65°	14.8	18.9	21.8	25.1	30.0	28.1	25.5	22.9	20.0	19.2	19.6
67.5°	10.4	12.9	15.9	19.2	22.2	21.4	20.3	18.5	15.9	15.5	15.2
70°	5.2	7.0	9.6	12.9	15.5	14.8	14.1	12.6	11.1	10.7	10.7
72.5°	0.7	2.2	4.1	5.9	8.1	8.5	8.1	7.8	7.4	7.0	7.4
75°	0.0	0.0	0.0	1.5	3.3	4.1	4.8	5.5	5.5	4.8	5.9
77.5°	0.0	0.0	0.0	0.0	0.4	1.8	3.7	4.8	5.9	5.2	7.0
80°	0.0	0.0	0.0	0.0	0.4	2.2	3.7	5.2	5.9	5.2	7.4
82.5°	0.0	0.0	0.0	0.0	0.4	2.6	3.7	4.8	5.5	5.2	6.7
85°	0.0	0.0	0.0	0.0	1.1	2.2	1.5	0.7	0.4	0.4	1.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
2.5°	825.7	851.9	880.0	890.8	924.0	949.2	966.2	1002.8	1008.3	1008.7
5°	663.4	676.7	724.7	747.3	796.8	835.3	876.3	935.5	975.1	978.0
7.5°	471.4	508.4	528.8	587.6	648.6	708.8	769.8	838.6	884.5	885.6
10°	379.4	403.4	439.6	483.6	535.0	596.4	677.8	757.6	804.2	815.7
12.5°	305.4	347.6	389.0	434.5	473.7	519.9	607.5	714.0	752.5	775.4
15°	235.2	273.6	322.4	375.7	420.1	481.8	581.6	703.3	768.0	775.8
17.5°	173.4	207.8	252.9	303.2	369.8	457.4	586.1	757.6	818.7	831.6
20°	124.6	144.6	180.1	238.5	323.2	428.9	590.5	812.7	905.5	927.7
22.5°	98.7	106.9	130.2	181.9	271.0	399.0	621.9	918.1	1025.0	1057.2
25°	85.8	90.2	101.3	143.5	238.1	396.0	672.2	1044.6	1184.0	1207.3
27.5°	82.8	83.6	93.2	131.6	220.4	376.4	691.5	1134.4	1283.1	1306.7
30°	87.3	99.1	99.8	111.3	187.5	337.6	701.4	1221.3	1367.0	1384.4
32.5°	75.4	71.7	74.3	86.2	164.9	315.0	720.3	1297.1	1462.8	1475.0
35°	52.5	55.1	61.0	74.7	144.2	291.4	725.1	1380.7	1553.7	1566.3
37.5°	48.4	49.9	54.7	63.6	126.8	278.1	718.4	1441.7	1648.0	1665.4
40°	45.1	47.0	49.5	57.7	113.9	263.3	709.2	1496.8	1705.7	1748.6
42.5°	42.5	44.0	46.2	55.1	102.8	248.5	696.3	1574.4	1757.5	1794.8
45°	39.6	41.8	44.4	53.6	96.5	238.5	686.6	1569.6	1787.4	1807.4
47.5°	36.6	40.3	43.3	49.9	94.7	233.7	690.7	1551.5	1763.0	1749.3
50°	33.6	38.5	43.6	41.4	90.2	224.1	695.5	1576.3	1705.0	1702.4
52.5°	31.1	36.6	40.7	34.0	80.2	214.8	742.1	1608.8	1746.0	1711.6
55°	27.4	32.9	32.5	27.4	65.1	207.8	778.7	1609.6	1718.3	1731.2
57.5°	24.8	29.2	25.5	22.9	48.1	173.8	719.2	1349.6	1470.9	1493.8
60°	22.9	28.5	19.2	18.1	31.4	125.3	627.9	1045.3	1169.2	1212.5
62.5°	21.1	27.0	15.2	14.8	21.8	89.1	516.2	874.9	1007.6	1066.4
65°	18.5	19.2	12.2	11.5	15.5	48.1	314.3	602.3	753.2	775.0
67.5°	15.2	14.8	10.0	9.2	10.4	23.3	138.7	301.7	436.7	473.3
70°	12.2	12.2	8.5	7.4	7.4	10.7	36.2	120.2	197.5	218.5
72.5°	8.9	9.2	6.7	5.9	5.5	5.2	5.9	24.0	51.8	66.2
75°	7.8	8.1	6.7	5.2	4.1	3.3	2.6	2.2	3.0	4.8
77.5°	8.5	8.5	7.0	4.8	3.7	2.6	1.5	0.7	0.7	0.4
80°	10.7	11.1	9.2	6.3	4.4	3.0	1.8	0.7	0.4	0.4
82.5°	11.5	12.6	10.4	7.8	5.5	3.3	1.8	0.4	0.0	0.0
85°	3.0	4.8	8.1	7.0	5.5	3.3	1.8	0.4	0.0	0.0
87.5°	0.0	0.4	1.1	1.1	1.5	1.5	1.1	0.4	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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