

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: P946624

Luminaire Tested: **GALN-SB2B-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB2B-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7100 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9
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

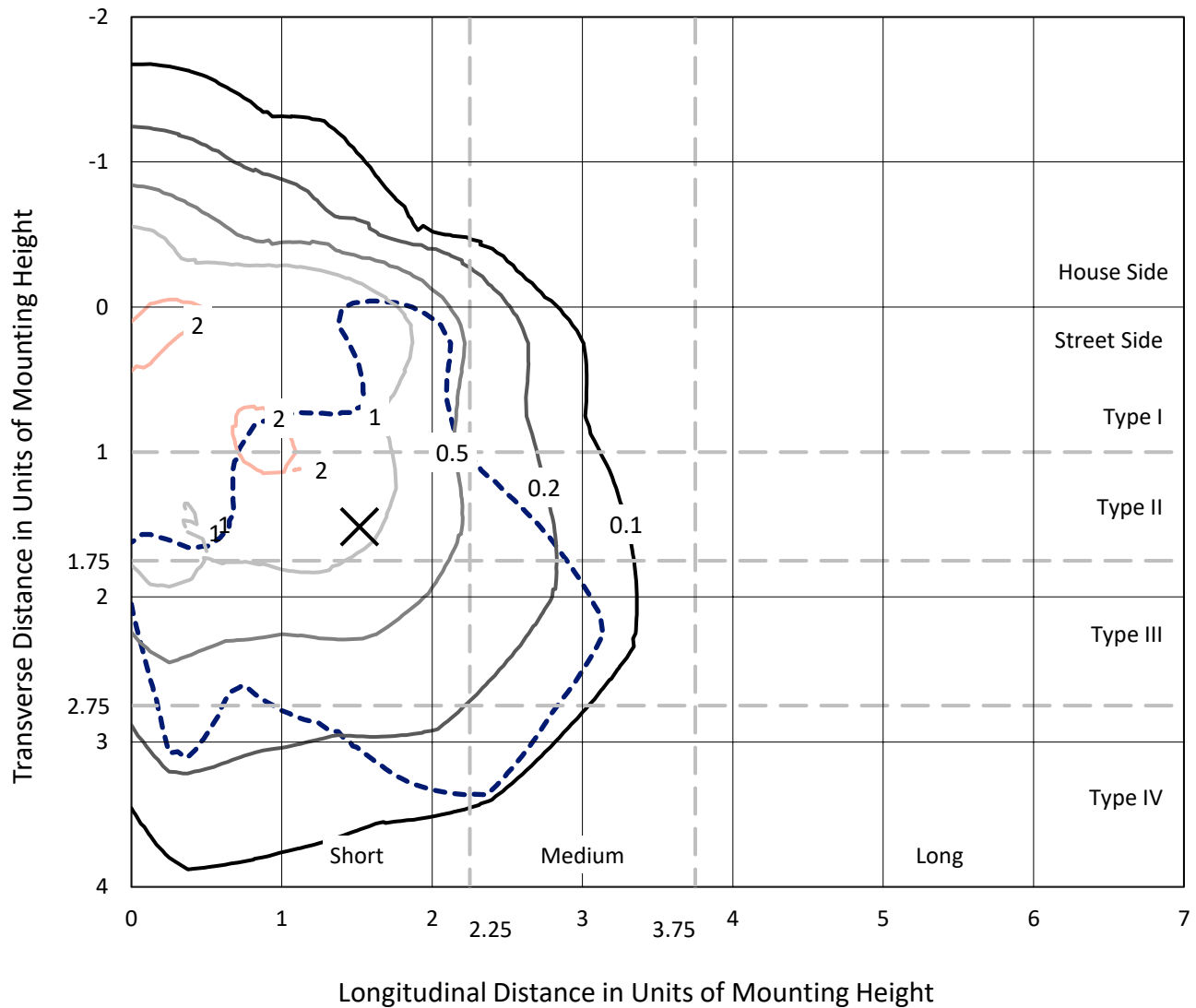


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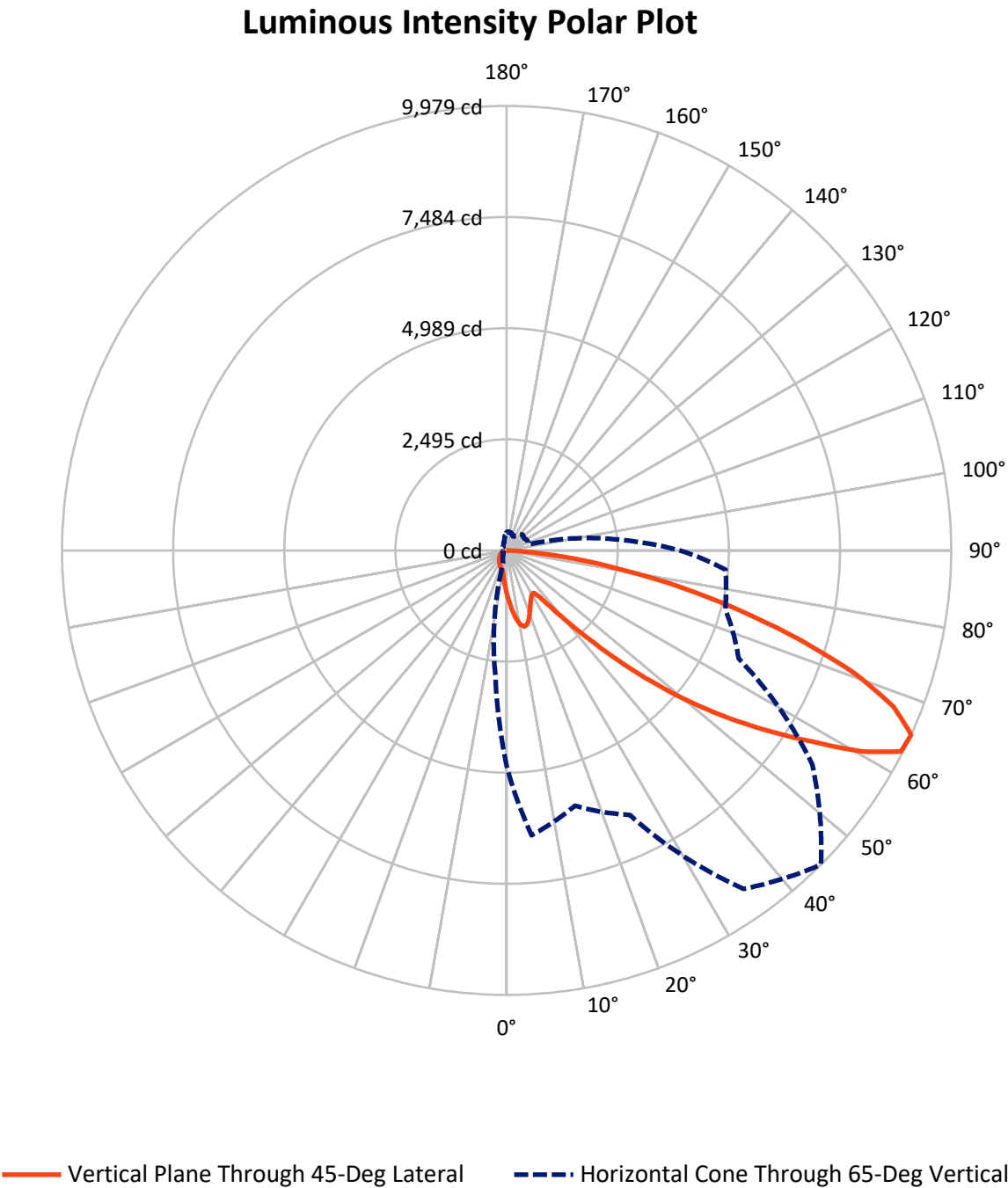
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1411.3	0.0	1411.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	5688.7	0.0	5688.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	7100.0	0.0	7100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	1.4
10°-20°	290.2	4.1
20°-30°	427.5	6.0
30°-40°	549.2	7.7
40°-50°	888.2	12.5
50°-60°	1557.5	21.9
60°-70°	1948.8	27.4
70°-80°	1138.8	16.0
80°-90°	203.2	2.9
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°	7100.0	100.0
0°-180°	7100.0	100.0

Coefficient of Utilization



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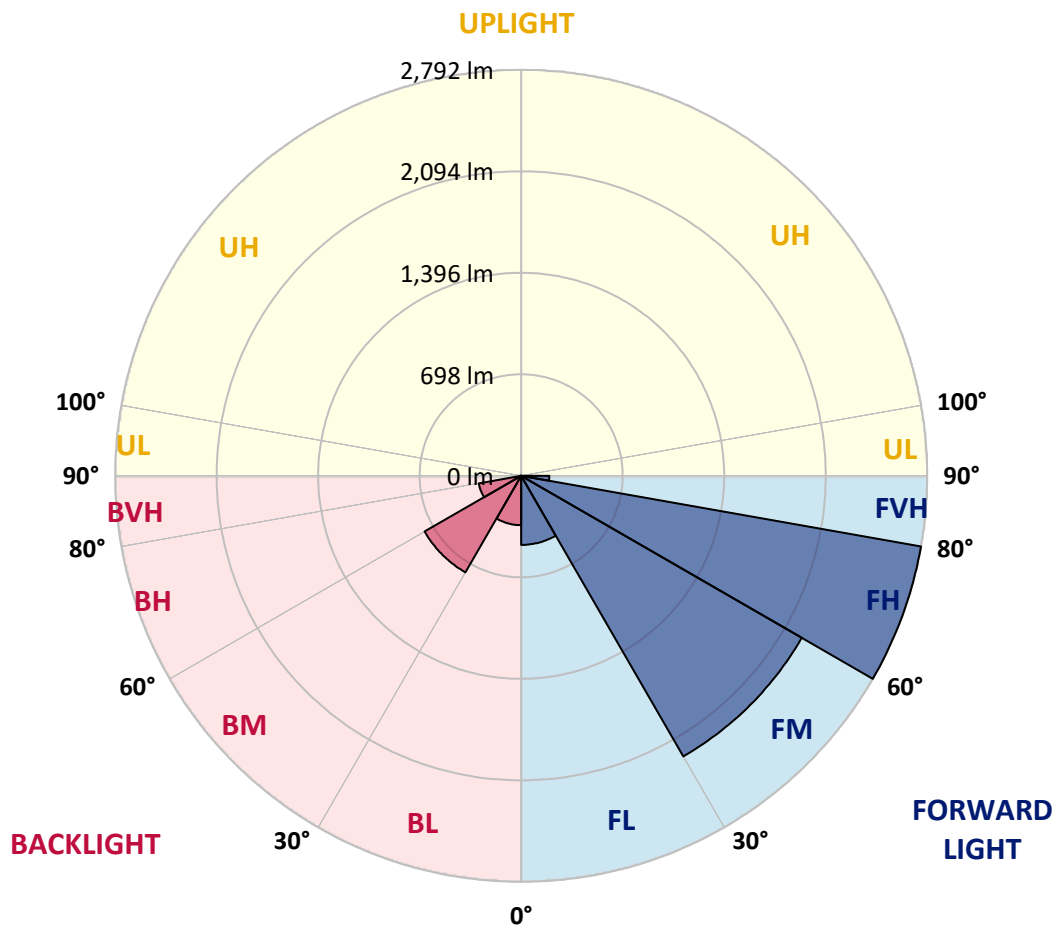
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	475.1	6.7			
FM	(30°-60°)	2228.1	31.4			
FH	(60°-80°)	2791.9	39.3			G2/5000
FVH	(80°-90°)	193.7	2.7			G2/225
BL	(0°-30°)	339.3	4.8	B1/500		
BM	(30°-60°)	766.7	10.8	B1/1000		
BH	(60°-80°)	295.7	4.2	B1/500		G1/500
BVH	(80°-90°)	9.5	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1
2.5°	1101.5	1109.8	1128.4	1138.2	1153.3	1154.3	1154.3	1141.1	1140.6	1113.7	1110.8
5°	1231.1	1250.7	1294.7	1340.2	1350.0	1352.4	1347.5	1321.1	1301.5	1249.2	1238.0
7.5°	1359.7	1397.4	1464.4	1525.1	1544.6	1544.6	1532.9	1489.8	1449.7	1373.9	1345.6
10°	1466.4	1513.8	1604.8	1672.8	1695.3	1690.4	1666.4	1612.1	1556.9	1464.9	1427.7
12.5°	1536.8	1590.1	1689.9	1744.7	1767.7	1754.9	1727.6	1674.7	1616.5	1519.7	1477.6
15°	1572.0	1627.8	1714.4	1743.2	1736.9	1723.6	1720.2	1694.8	1650.8	1560.3	1514.3
17.5°	1587.2	1639.0	1699.2	1681.1	1627.3	1617.0	1651.3	1683.5	1672.8	1595.5	1552.5
20°	1601.4	1644.9	1663.0	1582.8	1488.9	1479.6	1545.1	1637.1	1684.0	1628.3	1588.6
22.5°	1620.9	1647.8	1610.7	1479.1	1377.8	1356.3	1428.7	1567.1	1687.4	1669.8	1630.2
25°	1647.8	1655.2	1552.9	1380.8	1279.0	1257.5	1325.0	1489.4	1681.6	1714.8	1681.1
27.5°	1680.1	1665.0	1497.7	1298.6	1200.3	1180.2	1247.7	1414.5	1665.0	1759.8	1735.9
30°	1722.2	1677.7	1442.9	1235.0	1144.0	1129.4	1194.4	1350.0	1644.4	1817.1	1803.9
32.5°	1764.7	1683.0	1392.0	1197.8	1131.3	1136.7	1190.0	1315.2	1621.9	1871.8	1878.2
35°	1810.7	1700.2	1367.1	1234.5	1237.5	1284.4	1306.4	1347.5	1618.5	1946.2	1971.1
37.5°	1873.3	1738.3	1396.9	1417.0	1518.7	1616.0	1597.9	1505.5	1658.1	2057.2	2103.7
40°	1963.3	1805.3	1527.0	1727.6	1936.4	2094.4	2025.4	1792.6	1779.4	2217.2	2286.6
42.5°	2094.4	1912.0	1757.9	2107.1	2461.2	2721.4	2536.6	2162.9	1991.7	2445.6	2534.1
45°	2288.1	2084.6	2037.2	2507.7	3108.3	3518.2	3133.8	2557.6	2289.1	2791.4	2860.8
47.5°	2556.6	2338.5	2298.8	2929.8	3894.8	4425.0	3796.0	2923.4	2627.5	3262.9	3279.0
50°	2913.2	2680.4	2546.8	3391.5	4757.1	5349.5	4457.8	3276.6	3015.4	3839.1	3820.5
52.5°	3383.7	3157.2	2835.9	3831.2	5643.9	6254.3	5122.5	3586.7	3496.7	4507.7	4469.5
55°	4025.4	3874.8	3231.1	4250.9	6530.2	7164.6	5761.3	3879.2	4132.5	5302.0	5071.2
57.5°	4821.7	4929.3	3800.9	4737.6	7327.0	8102.7	6403.0	4288.1	4958.2	6190.2	5420.4
60°	5335.3	6331.6	4892.1	5457.1	8232.3	9163.6	7282.4	5065.8	5825.9	6508.7	5353.9
62.5°	5211.0	6777.7	6199.1	6375.6	9064.8	9934.9	8144.3	5846.9	5989.2	6039.6	4841.3
65°	4830.0	6417.7	5932.5	6554.2	9275.6	9978.5	8374.6	5746.1	5080.4	4930.8	3891.4
67.5°	4305.7	5990.7	5299.1	6080.7	8894.6	9370.0	7945.7	5082.9	3926.1	3700.2	2823.2
70°	3739.8	5518.2	4883.3	5549.5	8168.2	8309.6	7216.4	4470.5	2887.7	2498.9	1811.7
72.5°	3202.7	5026.2	4598.7	5005.1	7199.3	6906.8	6267.0	3929.1	2102.7	1802.4	1287.8
75°	2653.5	4300.3	4193.2	4358.5	5925.1	5440.4	5207.1	3253.1	1650.3	1304.0	888.7
77.5°	2047.4	3360.2	3606.7	3490.3	4170.7	4041.1	4036.2	2444.6	1205.7	870.1	557.1
80°	1401.3	2341.9	2817.8	2462.2	2706.8	2640.7	3039.9	1640.0	874.5	523.8	310.1
82.5°	823.7	1425.8	1961.4	1192.0	1496.7	1536.3	1810.2	797.7	514.5	120.8	67.5
85°	334.1	563.0	766.9	466.6	721.9	608.9	687.2	224.0	143.3	2.9	0.0
87.5°	84.1	180.0	126.2	52.3	83.6	76.8	60.7	27.4	5.9	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1
2.5°	1091.7	1080.5	1052.6	1024.7	1002.2	971.9	951.8	927.9	904.9	884.3	880.4
5°	1207.1	1170.0	1119.1	1072.6	1025.2	979.2	933.7	885.8	841.8	814.9	797.7
7.5°	1301.0	1235.5	1168.0	1108.8	1051.6	997.8	937.6	879.4	810.5	773.8	740.5
10°	1371.0	1284.9	1196.4	1128.4	1070.7	1018.3	967.5	908.8	825.6	779.7	729.8
12.5°	1417.0	1314.7	1211.1	1133.3	1068.7	1028.1	1005.6	982.6	900.0	846.2	773.8
15°	1448.8	1335.8	1221.3	1122.0	1042.8	1013.0	1035.5	1061.9	1009.0	946.9	852.5
17.5°	1483.5	1363.2	1225.7	1091.7	992.4	979.7	1037.9	1099.0	1096.6	1035.0	942.5
20°	1520.2	1387.1	1222.8	1042.8	931.3	942.5	1016.9	1087.8	1117.6	1084.4	1002.2
22.5°	1557.8	1410.1	1211.5	979.2	874.0	909.3	983.6	1045.7	1080.9	1070.7	1008.1
25°	1605.3	1442.4	1194.9	910.7	826.6	875.5	945.0	995.4	1019.8	1019.3	976.3
27.5°	1662.0	1485.4	1186.1	855.5	792.9	837.4	899.0	944.0	961.1	961.1	926.9
30°	1728.0	1536.3	1176.3	819.3	773.3	797.7	845.7	889.7	906.8	906.8	878.0
32.5°	1801.4	1585.2	1152.8	797.3	758.6	759.1	789.4	829.5	850.1	853.0	832.5
35°	1889.5	1637.6	1101.5	779.7	741.5	721.4	736.1	769.4	793.8	800.2	787.5
37.5°	2004.9	1701.6	1028.1	753.7	715.1	681.8	685.3	710.7	737.6	747.4	739.1
40°	2159.9	1777.0	951.8	716.6	677.9	638.3	636.8	655.4	681.8	692.6	688.2
42.5°	2364.9	1867.4	878.9	680.8	632.9	592.3	589.9	604.5	627.5	638.8	636.8
45°	2627.0	1978.5	816.3	653.0	588.9	548.8	547.8	560.0	580.1	591.8	589.4
47.5°	2991.4	2089.5	773.8	638.3	554.2	513.1	515.0	525.8	543.9	552.2	548.8
50°	3466.4	2123.3	752.3	638.3	535.6	481.3	491.1	499.9	513.6	518.5	514.1
52.5°	3922.2	2011.7	732.7	642.2	538.0	454.4	475.4	481.8	493.5	495.5	489.1
55°	4145.7	1729.5	705.8	643.2	553.2	431.4	462.7	474.4	478.8	478.4	467.6
57.5°	4069.0	1398.4	660.3	639.3	563.5	416.7	447.1	469.6	472.5	468.1	448.0
60°	3799.5	1029.6	625.6	610.4	559.5	412.3	423.1	458.8	463.2	457.3	424.6
62.5°	3347.5	714.6	598.7	546.8	542.4	410.9	385.4	435.3	446.1	437.8	389.8
65°	2635.4	504.8	515.5	479.3	505.3	403.0	346.3	406.9	421.6	408.9	341.4
67.5°	1783.3	364.4	417.7	434.3	445.1	385.4	317.9	374.7	394.2	377.6	285.2
70°	963.1	255.8	275.9	365.9	378.1	355.1	292.5	341.9	364.4	346.3	232.3
72.5°	568.8	183.9	193.2	294.0	315.0	312.5	264.1	303.7	331.1	309.6	188.8
75°	313.5	124.2	137.9	213.3	255.8	241.1	226.9	257.3	285.2	264.1	145.8
77.5°	140.4	74.3	95.9	139.9	201.0	165.3	175.6	200.5	226.5	204.5	97.3
80°	54.3	41.6	63.6	76.3	146.2	91.5	113.0	147.7	166.3	148.7	59.2
82.5°	6.8	18.6	27.4	29.8	85.1	48.4	65.5	92.9	91.5	79.2	29.8
85°	0.0	3.4	3.9	2.0	36.7	17.6	21.5	30.3	28.4	21.5	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1
2.5°	856.4	838.8	830.0	822.7	829.5	833.5	833.5	850.1	859.9	863.8	891.2
5°	754.7	721.9	699.9	686.7	691.1	696.0	701.4	722.4	736.6	745.9	788.5
7.5°	674.5	624.6	593.8	577.6	580.1	583.5	587.9	608.5	622.6	634.9	682.3
10°	634.9	564.4	523.8	504.3	500.9	498.9	497.4	509.7	520.4	530.2	577.2
12.5°	636.8	538.5	489.1	465.1	454.9	443.1	433.8	435.8	442.6	454.9	484.7
15°	661.8	530.2	471.0	441.2	424.1	410.4	399.1	396.7	399.1	401.1	419.7
17.5°	695.5	529.2	455.4	418.2	400.6	389.3	379.1	375.6	376.1	378.6	383.5
20°	722.4	526.3	437.8	396.2	380.5	370.7	360.5	357.1	358.0	358.5	363.9
22.5°	736.6	521.9	418.2	374.2	361.0	351.2	341.9	341.4	341.4	344.3	348.3
25°	736.6	512.6	400.6	353.1	341.4	332.6	321.3	323.3	324.3	328.2	334.1
27.5°	719.0	495.0	386.4	335.0	322.8	314.0	303.7	306.2	307.7	312.1	319.4
30°	696.5	474.0	370.3	317.9	303.7	297.4	288.6	289.6	291.5	296.4	304.7
32.5°	672.5	449.0	357.1	300.8	286.6	281.7	271.9	273.4	275.4	280.8	290.0
35°	646.1	419.7	341.4	285.2	271.0	267.1	255.8	256.8	259.7	265.6	274.9
37.5°	618.2	395.7	325.8	270.0	255.3	251.4	239.7	240.6	244.1	250.9	259.7
40°	590.9	372.2	309.1	253.9	239.2	235.8	223.0	224.0	227.9	235.3	244.6
42.5°	561.0	354.1	287.6	237.2	221.6	218.1	206.4	207.9	212.3	219.6	228.9
45°	525.3	342.4	263.6	221.6	204.0	200.5	189.8	192.7	197.6	204.9	214.7
47.5°	488.6	337.5	243.6	204.9	185.9	182.9	174.1	179.0	184.4	190.3	201.0
50°	453.4	331.1	223.0	189.3	170.2	167.3	161.4	167.8	173.1	178.5	188.8
52.5°	413.3	317.4	204.5	175.6	157.0	156.0	153.1	159.0	163.9	168.7	177.5
55°	371.7	295.4	188.3	163.4	145.8	146.7	145.3	150.2	154.1	158.5	166.3
57.5°	335.5	267.5	175.6	150.2	136.0	138.9	137.0	139.4	141.8	147.2	153.6
60°	298.8	234.3	161.4	134.5	126.2	129.6	124.2	123.7	124.7	126.2	137.9
62.5°	249.4	199.6	143.8	120.8	115.4	116.9	106.6	98.8	98.8	100.3	117.9
65°	200.5	167.3	124.2	105.2	100.8	99.8	85.1	74.3	73.4	77.8	92.9
67.5°	164.8	138.9	104.7	87.6	84.6	85.6	74.8	64.1	63.1	68.0	79.2
70°	136.5	112.0	83.6	67.5	70.4	74.8	64.1	53.8	52.3	56.7	67.5
72.5°	108.6	87.6	64.1	49.9	58.2	63.6	52.3	42.6	41.6	45.5	55.8
75°	79.7	62.6	43.5	36.2	45.0	49.9	38.2	30.3	28.9	32.3	42.6
77.5°	49.4	35.2	27.4	21.5	30.8	33.3	20.1	17.6	17.1	19.6	26.9
80°	23.0	15.2	13.2	7.3	11.2	13.2	8.3	9.3	9.8	11.7	16.6
82.5°	6.4	2.4	0.5	0.0	0.0	3.9	2.0	3.9	4.9	7.3	10.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.4	4.4	7.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1
2.5°	911.7	931.3	962.6	994.9	1026.7	1058.9	1090.2	1101.5
5°	827.1	872.1	934.2	1000.7	1069.2	1138.7	1202.2	1231.1
7.5°	732.7	797.3	890.7	994.9	1103.9	1213.0	1313.3	1359.7
10°	631.9	713.6	820.2	961.1	1117.6	1268.3	1406.2	1466.4
12.5°	536.1	621.7	739.5	908.3	1106.9	1300.1	1465.9	1536.8
15°	455.9	531.7	658.8	845.7	1072.1	1302.0	1494.2	1572.0
17.5°	395.7	445.1	576.7	776.2	1026.7	1283.9	1504.0	1587.2
20°	365.9	379.6	470.0	687.2	984.1	1266.8	1513.8	1601.4
22.5°	348.3	351.7	384.4	572.3	933.2	1261.4	1530.9	1620.9
25°	334.1	335.0	343.8	453.4	855.5	1258.0	1557.3	1647.8
27.5°	319.9	319.9	324.8	365.4	749.8	1243.3	1591.6	1680.1
30°	305.7	305.7	309.1	323.3	626.1	1214.5	1632.7	1722.2
32.5°	291.0	291.0	294.0	304.2	499.9	1178.3	1670.3	1764.7
35°	276.4	275.4	279.3	290.0	397.7	1132.3	1708.0	1810.7
37.5°	260.7	260.2	264.1	276.4	343.4	1079.0	1736.4	1873.3
40°	244.1	244.1	248.5	261.7	327.7	1012.0	1781.4	1963.3
42.5°	228.9	227.9	232.8	249.0	316.0	947.9	1862.1	2094.4
45°	214.2	212.3	216.7	236.7	295.4	925.4	2012.7	2288.1
47.5°	200.5	195.6	199.6	222.1	276.8	1009.5	2259.2	2556.6
50°	189.3	180.0	183.4	207.4	262.7	1192.0	2579.1	2913.2
52.5°	177.5	165.3	167.3	189.3	249.9	1365.6	2925.9	3383.7
55°	165.3	151.6	152.6	171.2	231.8	1391.5	3264.4	4025.4
57.5°	151.6	138.9	138.9	154.6	218.6	1206.2	3524.6	4821.7
60°	136.5	128.1	125.7	141.4	230.4	851.1	3554.9	5335.3
62.5°	119.8	115.4	112.0	128.6	239.2	504.3	3310.8	5211.0
65°	100.8	99.8	97.3	141.4	201.5	297.9	2842.3	4830.0
67.5°	84.6	83.1	83.1	148.2	153.1	187.3	2220.6	4305.7
70°	72.9	67.5	67.5	112.0	92.9	129.6	1550.5	3739.8
72.5°	61.1	55.3	51.4	89.5	69.5	94.9	968.9	3202.7
75°	48.9	44.5	39.6	59.2	51.8	71.9	563.0	2653.5
77.5°	35.2	33.3	27.9	43.5	37.7	51.8	335.0	2047.4
80°	18.1	18.6	17.6	24.9	25.4	35.2	190.8	1401.3
82.5°	10.8	8.3	9.3	12.2	14.7	20.1	71.9	823.7
85°	6.8	4.4	4.4	5.9	7.3	7.8	22.0	334.1
87.5°	3.4	1.5	2.0	2.9	2.4	2.0	1.0	84.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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