

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: P952947

Luminaire Tested: **GALN-SB6C-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952947
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-SB6C-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21097 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

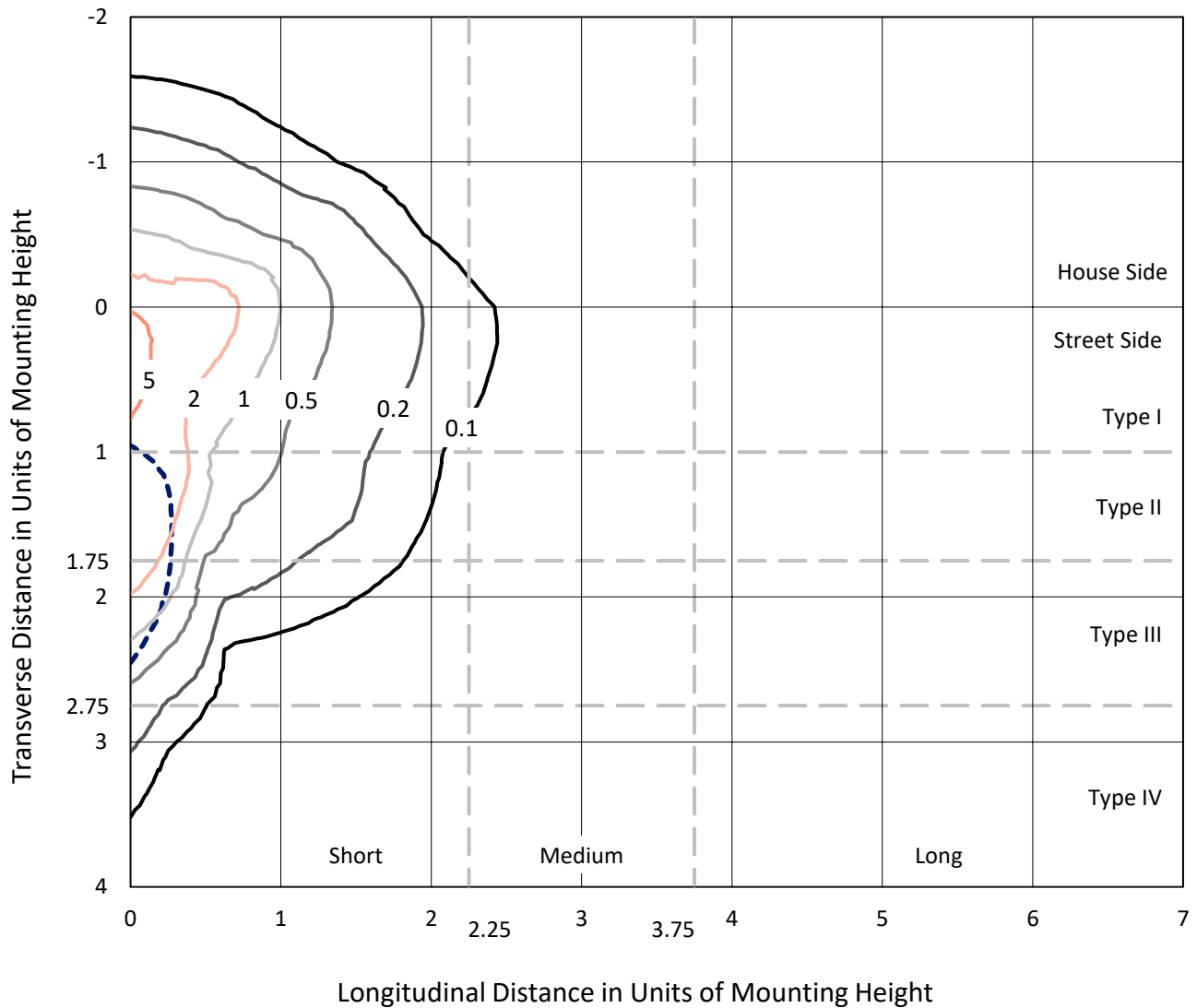
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

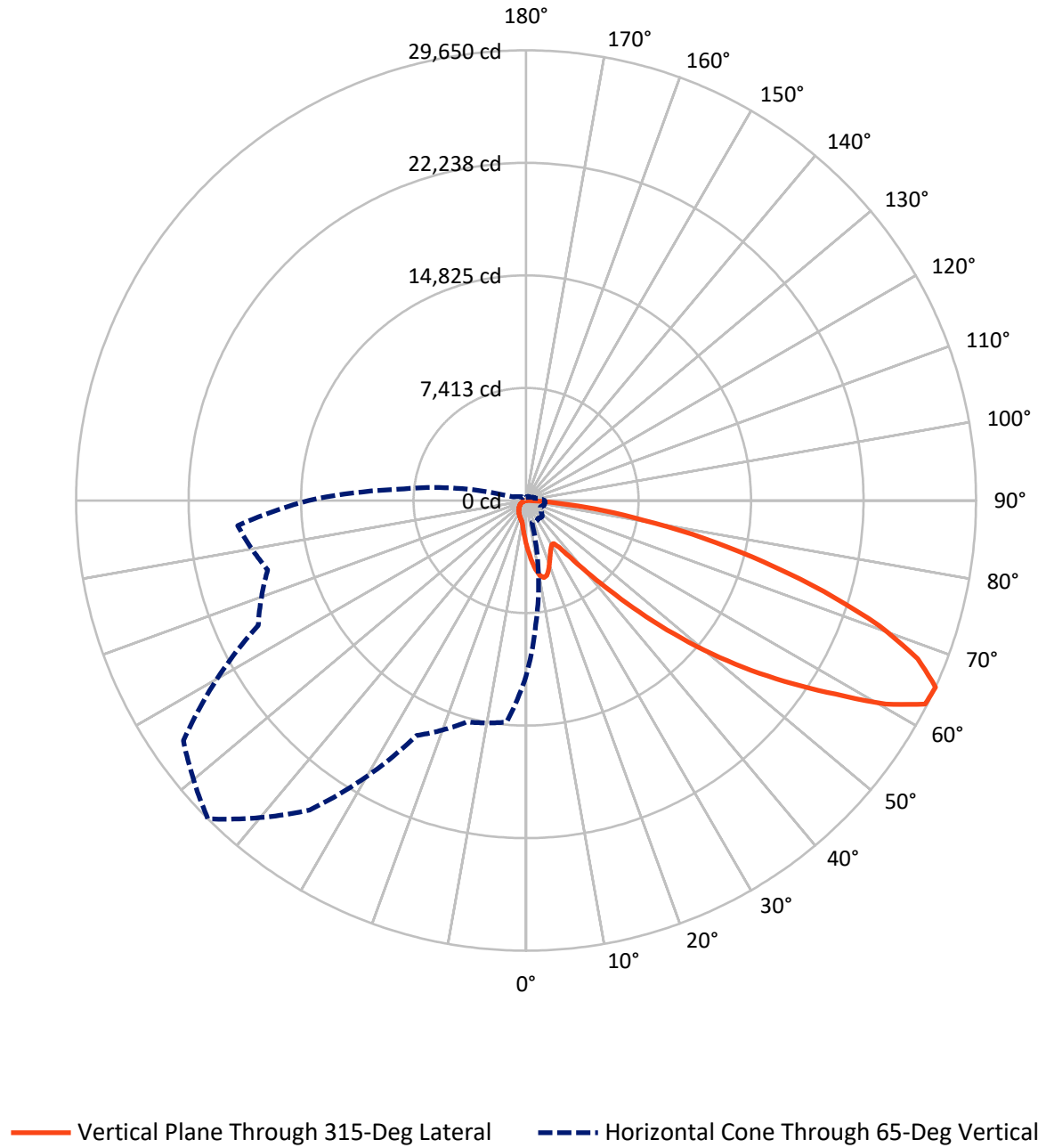
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2954.5	0.0	2954.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	18142.5	0.0	18142.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	21097.0	0.0	21097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	1.4
10°-20°	862.2	4.1
20°-30°	1270.1	6.0
30°-40°	1631.8	7.7
40°-50°	2639.1	12.5
50°-60°	4627.9	21.9
60°-70°	5790.8	27.4
70°-80°	3383.8	16.0
80°-90°	603.7	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°	21097.0	100.0
0°-180°	21097.0	100.0

Coefficient of Utilization



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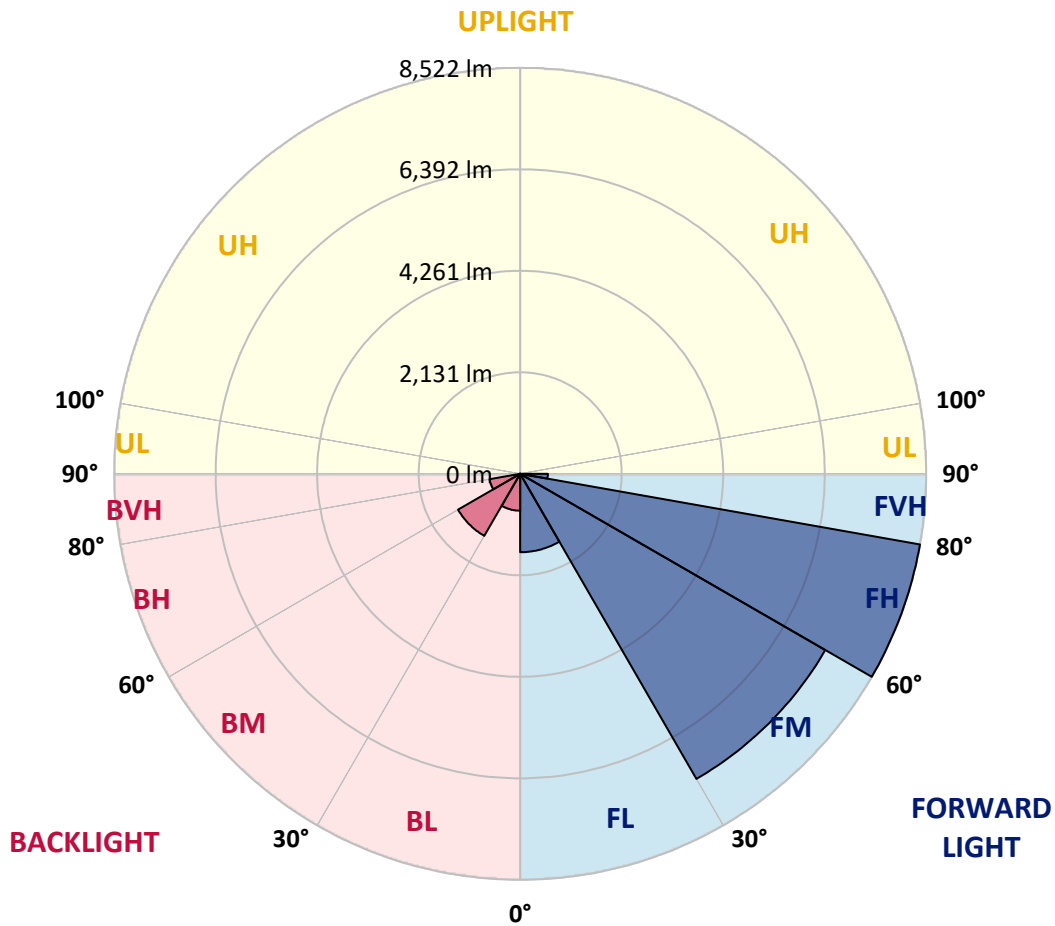
CATALOG NUMBER: GALN-SB6C-927-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1645.5	7.8			
FM (30°-60°)	7394.3	35.0			
FH (60°-80°)	8522.2	40.4			G4/12000
FVH (80°-90°)	580.5	2.8			G4/750
BL (0°-30°)	774.4	3.7	B2/1000		
BM (30°-60°)	1504.5	7.1	B2/2500		
BH (60°-80°)	652.4	3.1	B2/1000		G2/1000
BVH (80°-90°)	23.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
2.5°	3300.6	3243.9	3210.5	3127.6	3044.8	2977.9	2887.8	2828.2	2757.0	2688.7
5°	3678.5	3586.9	3476.4	3325.3	3187.2	3046.2	2909.6	2774.5	2632.0	2501.2
7.5°	3998.2	3865.9	3671.2	3470.6	3294.8	3124.7	2964.9	2786.1	2613.1	2408.2
10°	4242.4	4073.8	3818.0	3554.9	3352.9	3181.4	3025.9	2874.8	2700.3	2453.3
12.5°	4390.6	4210.4	3906.6	3598.5	3367.4	3175.6	3055.0	2988.1	2919.8	2674.2
15°	4499.6	4304.9	3969.1	3629.0	3334.0	3098.6	3009.9	3076.8	3155.3	2998.3
17.5°	4613.0	4408.0	4050.5	3642.1	3243.9	2948.9	2911.1	3084.0	3265.7	3258.4
20°	4720.5	4517.1	4121.7	3633.4	3098.6	2767.2	2800.6	3021.5	3232.3	3320.9
22.5°	4844.1	4629.0	4190.0	3600.0	2909.6	2597.2	2701.8	2922.7	3107.3	3211.9
25°	4995.2	4769.9	4286.0	3550.6	2706.2	2456.2	2601.5	2807.9	2957.6	3030.3
27.5°	5158.0	4938.5	4413.9	3524.4	2541.9	2355.9	2488.2	2671.3	2805.0	2855.9
30°	5360.0	5134.7	4565.0	3495.3	2434.4	2297.8	2370.4	2512.9	2643.7	2694.5
32.5°	5580.9	5352.7	4710.3	3425.6	2369.0	2254.2	2255.6	2345.7	2464.9	2525.9
35°	5857.1	5614.3	4865.9	3273.0	2316.7	2203.3	2143.7	2187.3	2286.1	2358.8
37.5°	6250.9	5957.3	5056.2	3055.0	2239.6	2124.8	2026.0	2036.2	2111.7	2191.7
40°	6794.5	6418.1	5280.1	2828.2	2129.2	2014.4	1896.6	1892.3	1947.5	2026.0
42.5°	7529.9	7027.0	5548.9	2611.7	2023.1	1880.7	1760.0	1752.8	1796.4	1864.7
45°	8500.7	7806.0	5878.9	2425.7	1940.2	1749.8	1630.7	1627.8	1664.1	1723.7
47.5°	9743.3	8888.8	6208.8	2299.2	1896.6	1646.7	1524.6	1530.4	1562.4	1616.1
50°	11352.2	10300.0	6309.0	2235.3	1896.6	1591.4	1430.1	1459.2	1485.3	1526.0
52.5°	13280.8	11654.5	5977.7	2177.1	1908.3	1598.7	1350.2	1412.7	1431.6	1466.4
55°	15068.5	12318.7	5139.1	2097.2	1911.2	1643.8	1281.9	1374.9	1409.8	1422.8
57.5°	16106.2	12090.5	4155.2	1962.0	1899.5	1674.3	1238.3	1328.4	1395.2	1403.9
60°	15908.5	11289.7	3059.3	1858.9	1813.8	1662.6	1225.2	1257.2	1363.3	1376.3
62.5°	14385.4	9946.8	2123.4	1778.9	1624.9	1611.8	1220.8	1145.2	1293.5	1325.5
65°	11563.0	7830.7	1499.9	1531.8	1424.3	1501.3	1197.6	1029.0	1209.2	1252.8
67.5°	8388.8	5299.0	1082.8	1241.2	1290.6	1322.6	1145.2	944.7	1113.3	1171.4
70°	5383.3	2861.7	760.1	819.7	1087.1	1123.4	1055.1	869.1	1015.9	1082.8
72.5°	3826.7	1690.3	546.5	574.1	873.5	936.0	928.7	784.8	902.5	983.9
75°	2640.8	931.6	369.2	409.8	633.7	760.1	716.5	674.4	764.5	847.3
77.5°	1655.4	417.1	220.9	284.9	415.7	597.3	491.2	521.8	595.9	672.9
80°	921.4	161.3	123.5	188.9	226.7	434.6	271.8	335.7	438.9	494.1
82.5°	200.6	20.3	55.2	81.4	88.7	252.9	143.9	194.8	276.1	271.8
85°	0.0	0.0	10.2	11.6	5.8	109.0	52.3	63.9	90.1	84.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2921.3	0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
2627.7	2.5°	2616.1	2544.8	2492.5	2466.4	2444.6	2464.9	2476.5	2476.5	2525.9	2555.0
2421.3	5°	2370.4	2242.5	2145.2	2079.8	2040.5	2053.6	2068.1	2084.1	2146.6	2188.8
2299.2	7.5°	2200.4	2004.2	1855.9	1764.4	1716.4	1723.7	1733.9	1746.9	1808.0	1850.1
2316.7	10°	2168.4	1886.5	1677.2	1556.6	1498.4	1488.2	1482.4	1478.1	1514.4	1546.4
2514.3	12.5°	2299.2	1892.3	1600.2	1453.4	1382.1	1351.6	1316.7	1289.1	1294.9	1315.3
2813.7	15°	2533.2	1966.4	1575.4	1399.6	1310.9	1260.1	1219.4	1185.9	1178.7	1185.9
3075.3	17.5°	2800.6	2066.7	1572.5	1353.1	1242.6	1190.3	1156.9	1126.4	1116.2	1117.6
3222.1	20°	2977.9	2146.6	1563.8	1300.8	1177.2	1130.7	1101.6	1071.1	1061.0	1063.9
3181.4	22.5°	2995.4	2188.8	1550.7	1242.6	1111.8	1072.6	1043.5	1015.9	1014.4	1014.4
3028.8	25°	2900.9	2188.8	1523.1	1190.3	1049.3	1014.4	988.3	954.9	960.7	963.6
2855.9	27.5°	2754.1	2136.4	1470.8	1148.2	995.6	959.2	933.1	902.5	909.8	914.2
2694.5	30°	2608.8	2069.6	1408.3	1100.2	944.7	902.5	883.6	857.5	860.4	866.2
2534.7	32.5°	2473.6	1998.4	1334.2	1061.0	893.8	851.7	837.1	808.1	812.4	818.2
2377.7	35°	2339.9	1919.9	1247.0	1014.4	847.3	805.2	793.5	760.1	763.0	771.7
2220.7	37.5°	2196.0	1837.1	1175.8	967.9	802.3	758.7	747.0	712.1	715.1	725.2
2058.0	40°	2044.9	1755.7	1106.0	918.5	754.3	710.7	700.5	662.7	665.6	677.3
1898.1	42.5°	1892.3	1667.0	1052.2	854.6	704.9	658.4	648.2	613.3	617.7	630.8
1758.6	45°	1751.3	1560.9	1017.4	783.4	658.4	606.1	595.9	563.9	572.6	587.2
1640.8	47.5°	1630.7	1451.9	1002.8	723.8	609.0	552.3	543.6	517.4	531.9	547.9
1540.6	50°	1527.5	1347.3	983.9	662.7	562.5	505.8	497.1	479.6	498.5	514.5
1472.3	52.5°	1453.4	1228.1	943.2	607.5	521.8	466.5	463.6	454.9	472.3	486.9
1421.4	55°	1389.4	1104.6	877.8	559.5	485.4	433.1	436.0	431.6	446.2	457.8
1390.9	57.5°	1331.3	997.0	795.0	521.8	446.2	404.0	412.8	406.9	414.2	421.5
1358.9	60°	1261.5	888.0	696.2	479.6	399.7	375.0	385.1	369.2	367.7	370.6
1300.8	62.5°	1158.3	741.2	593.0	427.3	359.0	343.0	347.4	316.8	293.6	293.6
1215.0	65°	1014.4	595.9	497.1	369.2	312.5	299.4	296.5	252.9	220.9	218.0
1122.0	67.5°	847.3	489.8	412.8	311.0	260.2	251.4	254.3	222.4	190.4	187.5
1029.0	70°	690.3	405.5	332.8	248.5	200.6	209.3	222.4	190.4	159.9	155.5
920.0	72.5°	561.0	322.6	260.2	190.4	148.2	173.0	188.9	155.5	126.4	123.5
784.8	75°	433.1	236.9	186.0	129.3	107.5	133.7	148.2	113.4	90.1	85.7
607.5	77.5°	289.2	146.8	104.6	81.4	63.9	91.6	98.8	59.6	52.3	50.9
441.8	80°	175.9	68.3	45.1	39.2	21.8	33.4	39.2	24.7	27.6	29.1
235.4	82.5°	88.7	18.9	7.3	1.5	0.0	0.0	11.6	5.8	11.6	14.5
63.9	85°	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.3
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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2921.3	0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
2566.6	2.5°	2648.0	2709.1	2767.2	2860.2	2956.1	3050.6	3146.5	3239.5	3273.0	3297.7
2216.4	5°	2342.8	2457.6	2591.3	2775.9	2973.6	3177.1	3383.4	3572.4	3658.1	3716.2
1886.5	7.5°	2027.4	2177.1	2369.0	2646.6	2956.1	3280.2	3604.3	3902.3	4040.3	4152.3
1575.4	10°	1715.0	1877.7	2120.5	2437.3	2855.9	3320.9	3768.6	4178.4	4357.2	4498.2
1351.6	12.5°	1440.3	1592.9	1847.2	2197.5	2698.9	3289.0	3863.0	4355.7	4566.5	4724.9
1191.8	15°	1247.0	1354.5	1579.8	1957.7	2512.9	3185.8	3868.9	4440.0	4671.1	4836.8
1124.9	17.5°	1139.4	1175.8	1322.6	1713.5	2306.5	3050.6	3815.1	4469.1	4716.2	4870.2
1065.3	20°	1081.3	1087.1	1127.8	1396.7	2042.0	2924.2	3764.2	4498.2	4758.3	4887.7
1023.2	22.5°	1034.8	1034.8	1045.0	1142.3	1700.4	2773.0	3748.2	4549.0	4816.4	4896.4
975.2	25°	992.6	992.6	995.6	1021.7	1347.3	2541.9	3738.0	4627.5	4896.4	4918.2
927.2	27.5°	949.0	950.5	950.5	965.0	1085.7	2228.0	3694.4	4729.2	4992.3	4947.2
880.7	30°	905.4	908.4	908.4	918.5	960.7	1860.3	3608.7	4851.3	5117.3	4985.0
834.2	32.5°	861.8	864.8	864.8	873.5	904.0	1485.3	3501.2	4963.2	5243.7	5001.0
789.2	35°	816.8	821.2	818.2	829.9	861.8	1181.6	3364.5	5075.1	5380.3	5051.9
745.6	37.5°	771.7	774.6	773.2	784.8	821.2	1020.3	3206.1	5159.4	5566.4	5165.3
699.1	40°	726.7	725.2	725.2	738.3	777.5	973.8	3007.0	5293.1	5833.8	5364.4
652.6	42.5°	680.2	680.2	677.3	691.8	739.8	938.9	2816.6	5533.0	6223.3	5681.2
609.0	45°	638.0	636.6	630.8	643.8	703.4	877.8	2749.8	5980.6	6798.8	6194.2
565.4	47.5°	597.3	595.9	581.3	593.0	659.8	822.6	2999.7	6713.1	7596.7	6948.5
530.5	50°	561.0	562.5	534.8	545.0	616.2	780.5	3541.8	7663.6	8656.2	7964.4
501.4	52.5°	527.6	527.6	491.2	497.1	562.5	742.7	4057.8	8694.0	10054.4	9381.5
470.9	55°	494.1	491.2	450.5	453.4	508.7	688.9	4134.8	9699.7	11961.2	11513.5
437.5	57.5°	456.4	450.5	412.8	412.8	459.3	649.7	3584.0	10472.9	14327.3	14647.0
375.0	60°	409.8	405.5	380.8	373.5	420.0	684.5	2528.9	10563.0	15853.3	18813.8
297.9	62.5°	350.3	356.1	343.0	332.8	382.2	710.7	1498.4	9837.8	15484.1	20139.2
231.1	65°	276.1	299.4	296.5	289.2	420.0	598.8	885.1	8445.5	14352.0	19069.6
202.0	67.5°	235.4	251.4	247.1	247.1	440.4	454.9	556.6	6598.3	12794.0	17800.8
168.6	70°	200.6	216.6	200.6	200.6	332.8	276.1	385.1	4607.2	11112.4	16396.8
135.2	72.5°	165.7	181.7	164.2	152.6	266.0	206.4	282.0	2879.1	9516.6	14934.8
95.9	75°	126.4	145.3	132.3	117.7	175.9	154.1	213.6	1672.8	7884.5	12778.0
58.1	77.5°	79.9	104.6	98.8	82.8	129.3	111.9	154.1	995.6	6083.8	9984.6
34.9	80°	49.4	53.8	55.2	52.3	74.1	75.6	104.6	566.8	4163.9	6958.7
21.8	82.5°	32.0	32.0	24.7	27.6	36.3	43.6	59.6	213.6	2447.5	4236.6
13.1	85°	23.3	20.3	13.1	13.1	17.4	21.8	23.3	65.4	992.6	1672.8
5.8	87.5°	11.6	10.2	4.4	5.8	8.7	7.3	5.8	2.9	250.0	534.8
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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CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2921.3	0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
3352.9	2.5°	3382.0	3427.0	3429.9	3429.9	3390.7	3389.2	3309.3	3300.6
3847.1	5°	3982.2	4011.3	4018.5	4004.0	3925.5	3867.4	3711.9	3678.5
4351.4	7.5°	4531.6	4589.7	4589.7	4554.8	4426.9	4307.8	4082.5	3998.2
4768.5	10°	4970.5	5037.4	5022.8	4951.6	4790.3	4626.1	4352.8	4242.4
5021.4	12.5°	5184.1	5252.5	5214.7	5133.3	4976.3	4803.4	4515.6	4390.6
5094.0	15°	5179.8	5160.9	5121.7	5111.5	5035.9	4905.1	4636.2	4499.6
5049.0	17.5°	4995.2	4835.3	4804.8	4906.6	5002.5	4970.5	4740.9	4613.0
4941.4	20°	4703.1	4424.0	4396.4	4591.2	4864.4	5003.9	4838.2	4720.5
4785.9	22.5°	4395.0	4094.1	4030.2	4245.3	4656.6	5014.1	4961.8	4844.1
4614.4	25°	4102.8	3800.5	3736.6	3937.2	4425.5	4996.7	5095.5	4995.2
4450.2	27.5°	3858.7	3566.6	3507.0	3707.5	4203.1	4947.2	5229.2	5158.0
4287.4	30°	3669.7	3399.4	3355.8	3549.1	4011.3	4886.2	5399.2	5360.0
4136.3	32.5°	3559.3	3361.6	3377.6	3536.0	3908.1	4819.4	5562.0	5580.9
4062.1	35°	3668.3	3677.0	3816.5	3881.9	4004.0	4809.2	5782.9	5857.1
4150.8	37.5°	4210.4	4512.7	4801.9	4748.1	4473.5	4926.9	6112.8	6250.9
4537.4	40°	5133.3	5753.9	6223.3	6018.4	5326.6	5287.3	6588.1	6794.5
5223.4	42.5°	6261.1	7313.3	8086.5	7537.1	6426.8	5918.1	7266.8	7529.9
6053.3	45°	7451.4	9236.1	10454.0	9311.7	7599.6	6801.7	8294.3	8500.7
6830.8	47.5°	8705.6	11573.1	13148.6	11279.5	8686.8	7807.5	9695.4	9743.3
7567.7	50°	10077.6	14135.4	15895.4	13245.9	9736.1	8960.0	11407.4	11352.2
8426.6	52.5°	11384.2	16770.4	18584.2	15221.1	10657.5	10390.1	13394.2	13280.8
9600.9	55°	12631.2	19403.8	21288.9	17119.2	11526.6	12279.5	15754.5	15068.5
11294.1	57.5°	14077.3	21771.4	24076.4	19026.0	12741.6	14732.7	18393.8	16106.2
14536.5	60°	16215.2	24461.6	27228.8	21639.1	15052.5	17311.0	19339.9	15908.5
18419.9	62.5°	18944.6	26935.2	29520.7	24199.9	17373.5	17796.4	17946.1	14385.4
17627.8	65°	19475.1	27561.6	29650.1	24884.5	17074.1	15096.1	14651.4	11563.0
15745.7	67.5°	18068.2	26429.4	27842.1	23609.9	15103.3	11666.1	10994.7	8388.8
14510.4	70°	16489.9	24271.2	24691.2	21442.9	13283.7	8580.7	7425.2	5383.3
13664.5	72.5°	14872.3	21392.0	20522.9	18621.9	11674.9	6248.0	5355.6	3826.7
12459.7	75°	12950.9	17606.0	16165.8	15472.5	9666.3	4903.6	3874.7	2640.8
10717.1	77.5°	10371.2	12392.8	12007.7	11993.2	7263.9	3582.5	2585.5	1655.4
8372.8	80°	7316.2	8042.9	7846.7	9032.7	4873.1	2598.6	1556.6	921.4
5828.0	82.5°	3541.8	4447.3	4565.0	5378.9	2370.4	1528.9	359.0	200.6
2278.9	85°	1386.5	2145.2	1809.4	2042.0	665.6	425.8	8.7	0.0
375.0	87.5°	155.5	248.5	228.2	180.2	81.4	17.4	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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