

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: P956935

Luminaire Tested: **GALN-SB9B-940-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956935  
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-SB9B-940-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

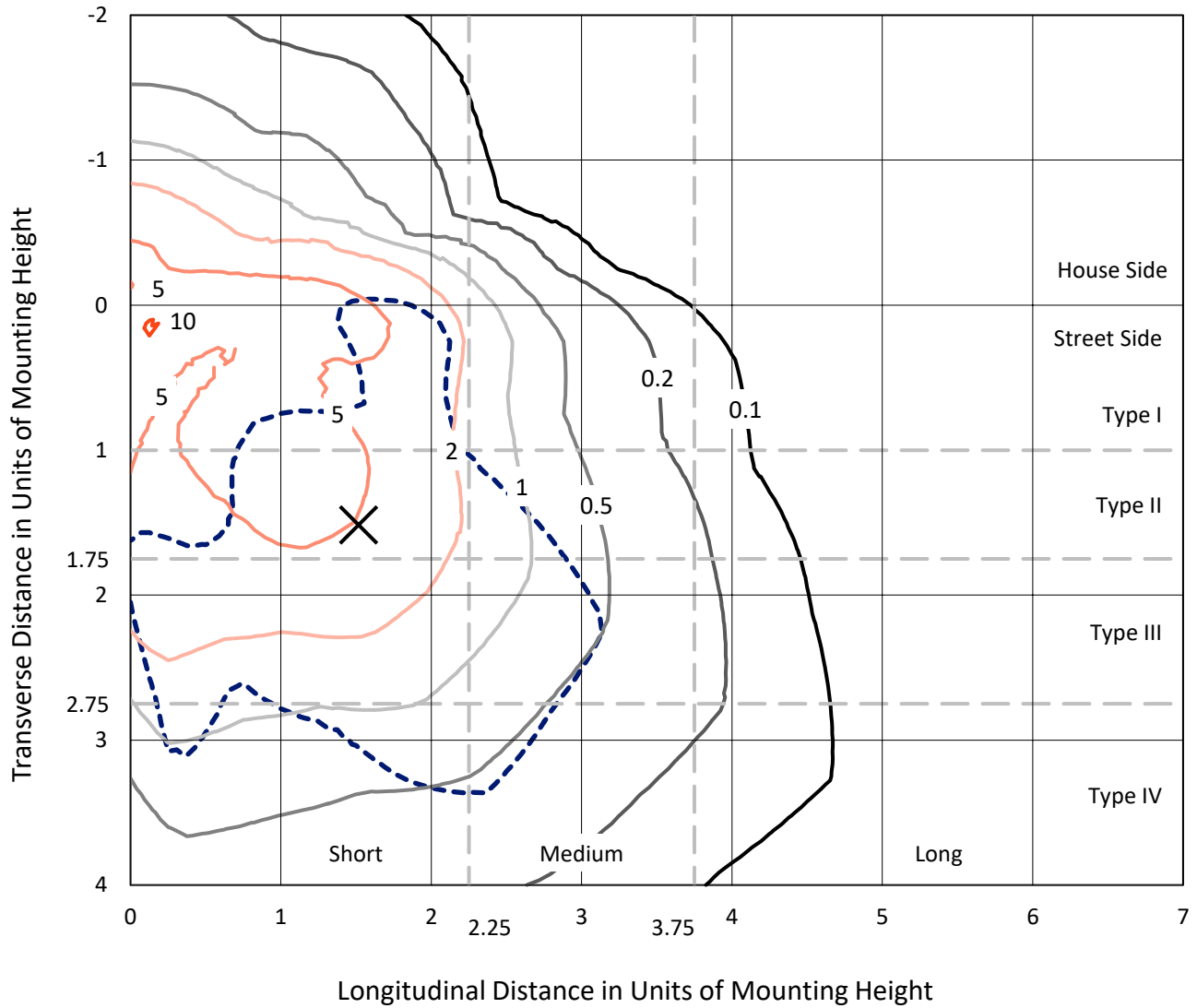
Lumens per Lamp: N/A  
Luminaire Lumens: 28365 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

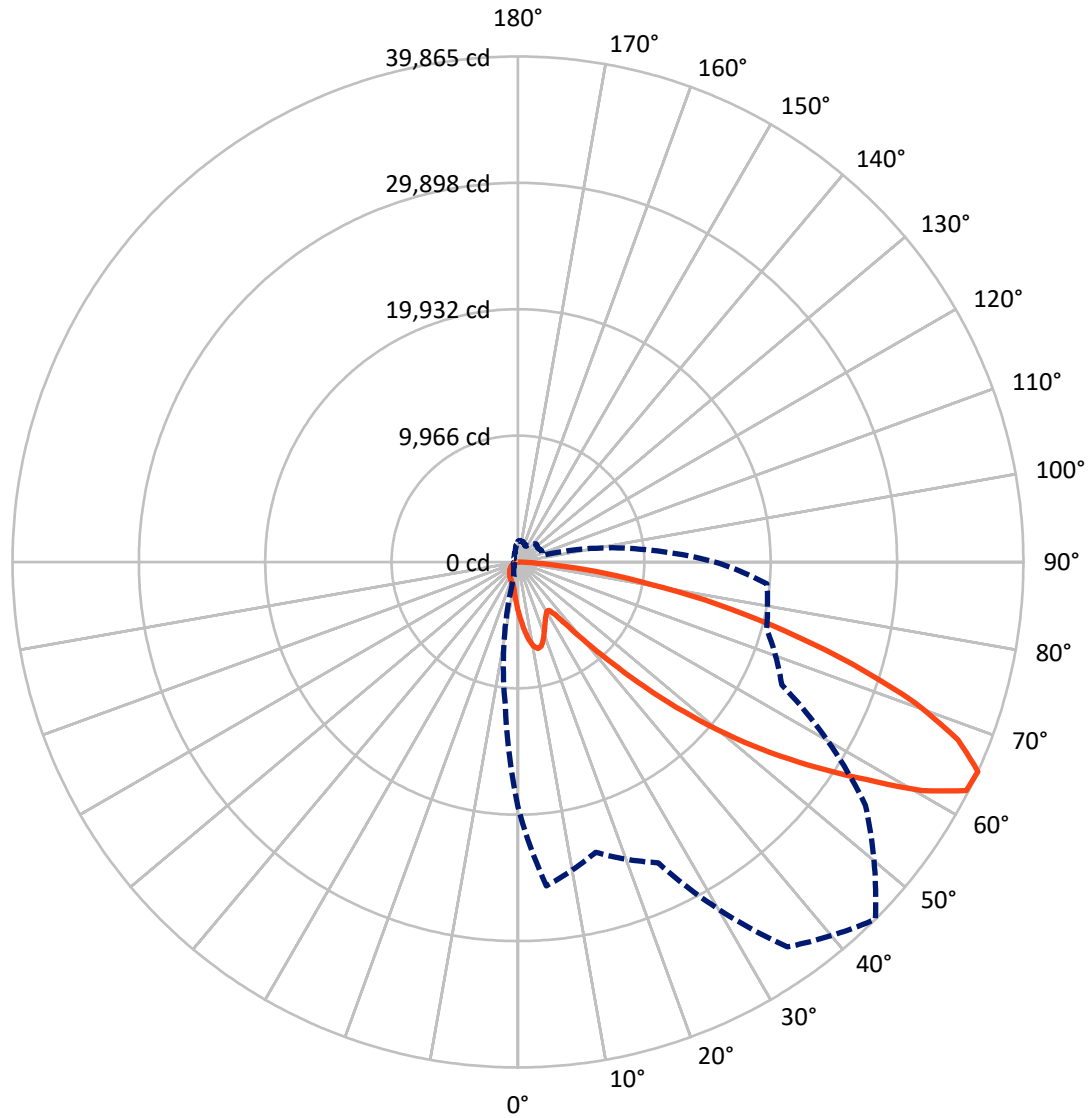
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5638.1	0.0	5638.1
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	22726.9	0.0	22726.9
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	28365.0	0.0	28365.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.7	1.4
10°-20°	1159.2	4.1
20°-30°	1707.7	6.0
30°-40°	2193.9	7.7
40°-50°	3548.3	12.5
50°-60°	6222.2	21.9
60°-70°	7785.7	27.4
70°-80°	4549.6	16.0
80°-90°	811.7	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°	28365.0	100.0
0°-180°	28365.0	100.0



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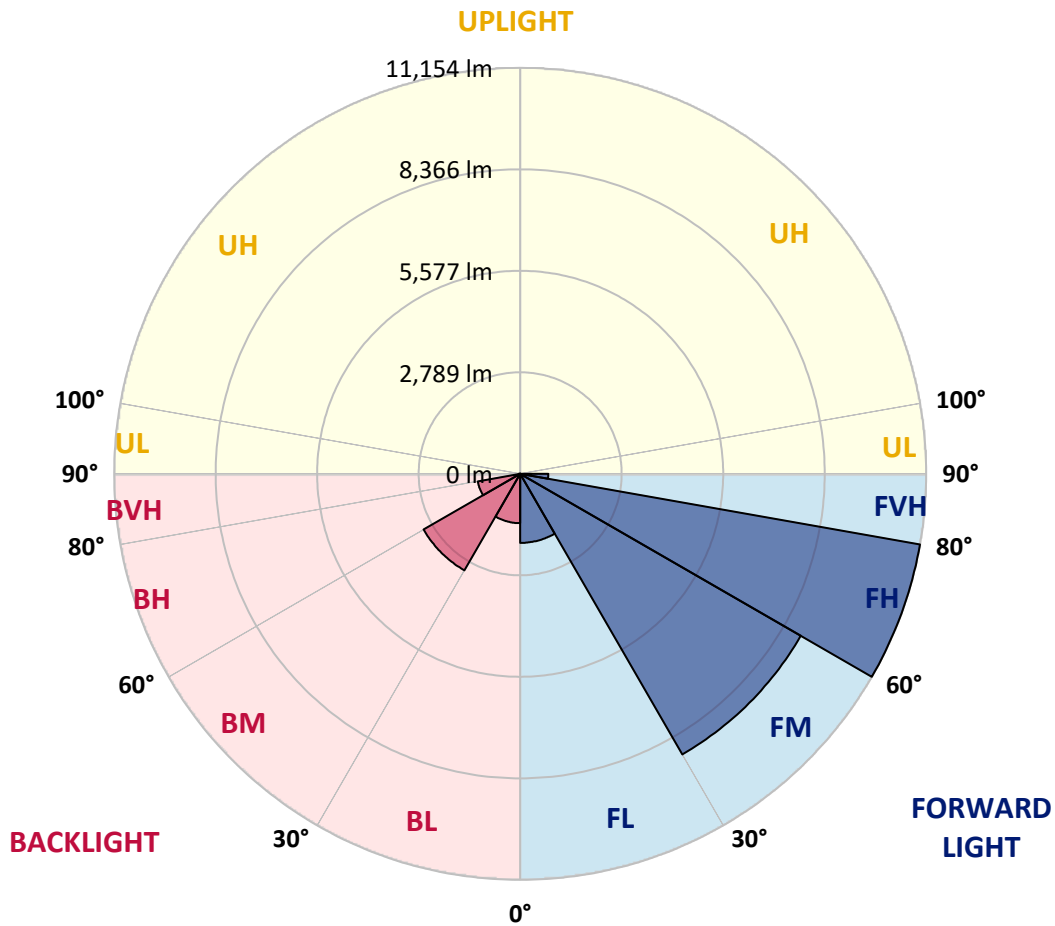
CATALOG NUMBER: GALN-SB9B-940-U-SLL-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1898.0	6.7			
FM (30°-60°)	8901.3	31.4			
FH (60°-80°)	11154.0	39.3			G4/12000
FVH (80°-90°)	773.7	2.7			G5
BL (0°-30°)	1355.6	4.8	B3/2500		
BM (30°-60°)	3063.1	10.8	B3/5000		
BH (60°-80°)	1181.3	4.2	B3/2500		G3/2500
BVH (80°-90°)	38.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6
2.5°	4400.5	4433.7	4508.0	4547.1	4607.7	4611.6	4611.6	4558.8	4556.8	4449.4
5°	4918.3	4996.5	5172.4	5354.1	5393.2	5403.0	5383.4	5277.9	5199.7	4990.6
7.5°	5432.3	5582.7	5850.4	6092.7	6170.9	6170.9	6124.0	5952.0	5791.8	5488.9
10°	5858.2	6047.8	6411.2	6682.9	6772.7	6753.2	6657.5	6440.6	6219.7	5852.4
12.5°	6139.6	6352.6	6751.3	6970.1	7061.9	7011.1	6901.7	6690.7	6458.1	6071.2
15°	6280.3	6503.1	6849.0	6964.2	6938.8	6886.1	6872.4	6770.8	6594.9	6233.4
17.5°	6340.9	6548.0	6788.4	6716.1	6501.1	6460.1	6596.9	6725.8	6682.9	6374.1
20°	6397.6	6571.5	6643.8	6323.3	5948.1	5911.0	6172.9	6540.2	6727.8	6505.0
22.5°	6475.7	6583.2	6434.7	5909.1	5504.6	5418.6	5707.8	6260.8	6741.5	6671.1
25°	6583.2	6612.5	6204.1	5516.3	5109.8	5023.9	5293.5	5950.1	6718.0	6850.9
27.5°	6712.2	6651.6	5983.3	5188.0	4795.2	4715.1	4984.8	5651.1	6651.6	7030.7
30°	6880.2	6702.4	5764.5	4934.0	4570.5	4511.9	4771.8	5393.2	6569.5	7259.3
32.5°	7050.2	6723.9	5561.2	4785.5	4519.7	4541.2	4754.2	5254.4	6479.6	7478.2
35°	7233.9	6792.3	5461.6	4932.0	4943.8	5131.3	5219.3	5383.4	6466.0	7775.2
37.5°	7484.0	6944.7	5580.8	5660.9	6067.3	6456.2	6383.9	6014.6	6624.2	8218.7
40°	7843.6	7212.4	6100.6	6901.7	7736.1	8367.3	8091.7	7161.6	7108.8	8857.7
42.5°	8367.3	7638.4	7022.9	8418.1	9832.8	10872.3	10133.7	8640.8	7956.9	9770.3
45°	9141.1	8328.2	8138.6	10018.4	12418.0	14055.5	12519.6	10217.7	9145.0	11151.8
47.5°	10213.8	9342.3	9184.0	11704.8	15560.1	17678.3	15165.4	11679.4	10497.2	13035.5
50°	11638.3	10708.2	10174.7	13549.4	19005.1	21371.5	17809.2	13090.2	12046.7	15337.4
52.5°	13518.1	12613.4	11329.6	15306.1	22547.8	24986.5	20464.8	14329.1	13969.5	18008.5
55°	16081.8	15480.0	12908.5	16982.7	26088.6	28623.0	23016.8	15497.6	16509.8	21181.9
57.5°	19263.0	19692.9	15184.9	18926.9	29271.7	32370.8	25580.5	17131.2	19808.2	24730.5
60°	21314.8	25295.2	19544.4	21801.4	32888.7	36609.2	29093.9	20238.1	23274.7	26002.6
62.5°	20818.5	27077.3	24765.7	25471.1	36214.4	39690.7	32536.9	23358.7	23927.4	24128.6
65°	19296.3	25639.1	23700.7	26184.3	37056.6	39864.6	33457.3	22956.2	20296.7	19698.8
67.5°	17201.5	23933.2	21170.2	24292.8	35534.4	37433.8	31743.6	20306.5	15685.2	14782.4
70°	14940.7	22045.6	19509.3	22170.7	32632.7	33197.4	28830.1	17860.0	11536.7	9983.3
72.5°	12795.1	20079.8	18372.0	19995.8	28761.7	27593.2	25037.3	15696.9	8400.5	7200.7
75°	10600.7	17180.0	16752.1	17412.6	23671.4	21734.9	20802.8	12996.4	6593.0	5209.5
77.5°	8179.7	13424.3	14409.2	13944.1	16662.2	16144.4	16124.8	9766.4	4816.7	3476.3
80°	5598.4	9356.0	11257.3	9836.7	10813.7	10549.9	12144.4	6551.9	3493.8	2092.8
82.5°	3290.6	5696.1	7835.7	4762.0	5979.4	6137.7	7231.9	3187.1	2055.7	482.7
85°	1334.6	2249.1	3064.0	1864.2	2884.2	2432.8	2745.4	895.0	572.5	11.7
87.5°	336.1	719.1	504.1	209.1	334.1	306.8	242.3	109.4	23.4	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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3927.6	0°	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6
4437.7	2.5°	4361.4	4316.5	4205.1	4093.7	4003.9	3882.7	3802.6	3706.8	3615.0	3532.9
4945.7	5°	4822.6	4674.1	4470.9	4285.2	4095.7	3912.0	3730.3	3538.8	3362.9	3255.5
5375.6	7.5°	5197.8	4935.9	4666.3	4429.8	4201.2	3986.3	3745.9	3513.4	3237.9	3091.3
5703.9	10°	5477.2	5133.3	4779.6	4508.0	4277.4	4068.3	3865.1	3630.6	3298.4	3114.8
5903.2	12.5°	5660.9	5252.5	4838.2	4527.5	4269.6	4107.4	4017.5	3925.7	3595.5	3380.5
6049.7	15°	5787.9	5336.5	4879.3	4482.6	4166.0	4046.8	4136.7	4242.2	4031.2	3783.0
6202.2	17.5°	5926.6	5445.9	4896.9	4361.4	3964.8	3914.0	4146.5	4390.8	4381.0	4134.8
6346.8	20°	6073.2	5541.7	4885.1	4166.0	3720.5	3765.5	4062.5	4345.8	4465.0	4332.1
6512.9	22.5°	6223.7	5633.5	4840.2	3912.0	3491.9	3632.6	3929.6	4177.8	4318.5	4277.4
6716.1	25°	6413.2	5762.5	4773.7	3638.4	3302.3	3497.8	3775.2	3976.5	4074.2	4072.2
6934.9	27.5°	6639.9	5934.5	4738.6	3417.6	3167.5	3345.3	3591.5	3771.3	3839.7	3839.7
7206.5	30°	6903.7	6137.7	4699.5	3273.0	3089.4	3187.1	3378.6	3554.4	3622.8	3622.8
7503.6	32.5°	7196.8	6333.1	4605.7	3185.1	3030.7	3032.7	3153.8	3314.1	3396.1	3407.9
7874.8	35°	7548.5	6542.2	4400.5	3114.8	2962.3	2882.2	2940.8	3073.7	3171.4	3196.8
8404.4	37.5°	8009.7	6798.1	4107.4	3011.2	2856.8	2723.9	2737.6	2839.2	2946.7	2985.8
9135.2	40°	8629.1	7099.1	3802.6	2862.7	2708.3	2550.0	2544.2	2618.4	2723.9	2766.9
10123.9	42.5°	9447.8	7460.6	3511.4	2720.0	2528.5	2366.4	2356.6	2415.2	2507.0	2552.0
11429.3	45°	10495.2	7904.1	3261.3	2608.7	2352.7	2192.4	2188.5	2237.4	2317.5	2364.4
13100.0	47.5°	11951.0	8347.7	3091.3	2550.0	2213.9	2049.8	2057.6	2100.6	2172.9	2206.1
15263.1	50°	13848.4	8482.5	3005.3	2550.0	2139.7	1922.8	1961.9	1997.0	2051.8	2071.3
17856.1	52.5°	15669.5	8037.0	2927.2	2565.7	2149.5	1815.3	1899.3	1924.7	1971.6	1979.5
20259.6	55°	16562.5	6909.5	2819.7	2569.6	2210.0	1723.5	1848.5	1895.4	1913.0	1911.1
21654.8	57.5°	16255.8	5586.6	2638.0	2553.9	2251.1	1664.9	1786.0	1875.9	1887.6	1870.0
21389.1	60°	15179.1	4113.3	2499.2	2438.7	2235.4	1647.3	1690.3	1832.9	1850.5	1827.0
19341.2	62.5°	13373.5	2854.9	2391.8	2184.6	2167.0	1641.4	1539.8	1739.1	1782.1	1748.9
15546.4	65°	10528.4	2016.6	2059.6	1915.0	2018.5	1610.1	1383.5	1625.8	1684.4	1633.6
11278.8	67.5°	7124.5	1455.8	1668.8	1735.2	1778.2	1539.8	1270.1	1496.8	1575.0	1508.5
7237.8	70°	3847.5	1022.0	1102.1	1461.6	1510.5	1418.6	1168.5	1365.9	1455.8	1383.5
5145.0	72.5°	2272.6	734.7	771.9	1174.4	1258.4	1248.6	1055.2	1213.5	1322.9	1236.9
3550.5	75°	1252.5	496.3	551.0	852.0	1022.0	963.3	906.7	1027.8	1139.2	1055.2
2225.7	77.5°	560.8	297.0	383.0	558.9	803.1	660.5	701.5	801.2	904.7	816.8
1238.9	80°	216.9	166.1	254.0	304.8	584.3	365.4	451.4	590.1	664.4	594.0
269.7	82.5°	27.4	74.3	109.4	119.2	340.0	193.5	261.8	371.3	365.4	316.6
0.0	85°	0.0	13.7	15.6	7.8	146.6	70.3	86.0	121.2	113.3	86.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	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

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**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
3927.6	0°	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6
3517.3	2.5°	3421.5	3351.2	3316.0	3286.7	3314.1	3329.7	3329.7	3396.1	3435.2	3450.9
3187.1	5°	3015.1	2884.2	2796.2	2743.5	2761.1	2780.6	2802.1	2886.1	2942.8	2979.9
2958.4	7.5°	2694.6	2495.3	2372.2	2307.7	2317.5	2331.2	2348.8	2430.8	2487.5	2536.4
2915.4	10°	2536.4	2255.0	2092.8	2014.6	2000.9	1993.1	1987.3	2036.1	2079.1	2118.2
3091.3	12.5°	2544.2	2151.4	1954.1	1858.3	1817.3	1770.4	1733.2	1741.1	1768.4	1817.3
3405.9	15°	2643.8	2118.2	1881.8	1762.6	1694.2	1639.4	1594.5	1584.7	1594.5	1602.3
3765.5	17.5°	2778.7	2114.3	1819.2	1670.7	1600.4	1555.4	1514.4	1500.7	1502.7	1512.4
4003.9	20°	2886.1	2102.6	1748.9	1582.8	1520.3	1481.2	1440.1	1426.5	1430.4	1432.3
4027.3	22.5°	2942.8	2085.0	1670.7	1494.8	1442.1	1403.0	1365.9	1363.9	1363.9	1375.7
3900.3	25°	2942.8	2047.8	1600.4	1410.8	1363.9	1328.8	1283.8	1291.6	1295.5	1311.2
3702.9	27.5°	2872.5	1977.5	1543.7	1338.5	1289.7	1254.5	1213.5	1223.2	1229.1	1246.7
3507.5	30°	2782.6	1893.5	1479.2	1270.1	1213.5	1188.1	1152.9	1156.8	1164.6	1184.2
3325.8	32.5°	2686.8	1793.8	1426.5	1201.7	1145.1	1125.5	1086.5	1092.3	1100.1	1121.6
3146.0	35°	2581.3	1676.6	1363.9	1139.2	1082.5	1066.9	1022.0	1025.9	1037.6	1061.1
2952.6	37.5°	2469.9	1580.8	1301.4	1078.6	1020.0	1004.4	957.5	961.4	975.1	1002.4
2749.4	40°	2360.5	1487.0	1235.0	1014.2	955.5	941.9	891.0	895.0	910.6	939.9
2544.2	42.5°	2241.3	1414.7	1149.0	947.7	885.2	871.5	824.6	830.5	848.1	877.4
2354.6	45°	2098.7	1367.8	1053.2	885.2	814.8	801.2	758.2	769.9	789.4	818.7
2192.4	47.5°	1952.1	1348.3	973.1	818.7	742.5	730.8	695.6	715.2	736.7	760.1
2053.7	50°	1811.4	1322.9	891.0	756.2	680.0	668.3	644.8	670.2	691.7	713.2
1954.1	52.5°	1651.2	1268.2	816.8	701.5	627.3	623.3	611.6	635.1	654.6	674.1
1868.1	55°	1485.1	1180.2	752.3	652.7	582.3	586.2	580.4	599.9	615.5	633.1
1789.9	57.5°	1340.5	1068.9	701.5	599.9	543.2	555.0	547.1	556.9	566.7	588.2
1696.1	60°	1193.9	936.0	644.8	537.4	504.1	517.8	496.3	494.4	498.3	504.1
1557.4	62.5°	996.6	797.3	574.5	482.7	461.2	467.0	426.0	394.7	394.7	400.6
1363.9	65°	801.2	668.3	496.3	420.1	402.5	398.6	340.0	297.0	293.1	310.7
1139.2	67.5°	658.5	555.0	418.2	349.8	338.1	342.0	299.0	256.0	252.1	271.6
928.2	70°	545.2	447.5	334.1	269.7	281.4	299.0	256.0	214.9	209.1	226.7
754.3	72.5°	433.8	349.8	256.0	199.3	232.5	254.0	209.1	170.0	166.1	181.7
582.3	75°	318.5	250.1	173.9	144.6	179.8	199.3	152.4	121.2	115.3	129.0
388.9	77.5°	197.4	140.7	109.4	86.0	123.1	132.9	80.1	70.3	68.4	78.2
236.4	80°	91.8	60.6	52.8	29.3	44.9	52.8	33.2	37.1	39.1	46.9
119.2	82.5°	25.4	9.8	2.0	0.0	0.0	15.6	7.8	15.6	19.5	29.3
9.8	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.8	17.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8
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°
3927.6	0°	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6	3927.6
3560.3	2.5°	3642.4	3720.5	3845.6	3974.5	4101.6	4230.5	4355.6	4400.5
3149.9	5°	3304.3	3484.1	3732.2	3998.0	4271.6	4549.0	4803.1	4918.3
2725.9	7.5°	2927.2	3185.1	3558.3	3974.5	4410.3	4846.0	5246.6	5432.3
2305.8	10°	2524.6	2851.0	3276.9	3839.7	4465.0	5066.9	5617.9	5858.2
1936.5	12.5°	2141.6	2483.6	2954.5	3628.7	4422.0	5193.9	5856.3	6139.6
1676.6	15°	1821.2	2124.1	2632.1	3378.6	4283.3	5201.7	5969.6	6280.3
1532.0	17.5°	1580.8	1778.2	2303.8	3101.1	4101.6	5129.4	6008.7	6340.9
1453.8	20°	1461.6	1516.3	1877.8	2745.4	3931.6	5061.0	6047.8	6397.6
1391.3	22.5°	1391.3	1405.0	1535.9	2286.2	3728.3	5039.5	6116.2	6475.7
1334.6	25°	1334.6	1338.5	1373.7	1811.4	3417.6	5025.8	6221.7	6583.2
1276.0	27.5°	1278.0	1278.0	1297.5	1459.7	2995.6	4967.2	6358.5	6712.2
1217.4	30°	1221.3	1221.3	1235.0	1291.6	2501.2	4851.9	6522.6	6880.2
1158.8	32.5°	1162.7	1162.7	1174.4	1215.4	1997.0	4707.3	6673.1	7050.2
1098.2	35°	1104.0	1100.1	1115.8	1158.8	1588.6	4523.6	6823.6	7233.9
1037.6	37.5°	1041.5	1039.6	1055.2	1104.0	1371.7	4310.6	6936.9	7484.0
977.0	40°	975.1	975.1	992.7	1045.4	1309.2	4042.9	7116.7	7843.6
914.5	42.5°	914.5	910.6	930.1	994.6	1262.3	3787.0	7439.1	8367.3
857.8	45°	855.9	848.1	865.6	945.8	1180.2	3697.1	8040.9	9141.1
803.1	47.5°	801.2	781.6	797.3	887.1	1106.0	4033.2	9025.8	10213.8
754.3	50°	756.2	719.1	732.8	828.5	1049.3	4762.0	10303.7	11638.3
709.3	52.5°	709.3	660.5	668.3	756.2	998.5	5455.7	11689.1	13518.1
664.4	55°	660.5	605.8	609.7	683.9	926.2	5559.3	13041.3	16081.8
613.6	57.5°	605.8	555.0	555.0	617.5	873.5	4818.7	14080.9	19263.0
551.0	60°	545.2	512.0	502.2	564.7	920.4	3400.1	14202.1	21314.8
470.9	62.5°	478.7	461.2	447.5	513.9	955.5	2014.6	13227.0	20818.5
371.3	65°	402.5	398.6	388.9	564.7	805.1	1190.0	11355.0	19296.3
316.6	67.5°	338.1	332.2	332.2	592.1	611.6	748.4	8871.4	17201.5
269.7	70°	291.2	269.7	269.7	447.5	371.3	517.8	6194.3	14940.7
222.8	72.5°	244.3	220.8	205.2	357.6	277.5	379.1	3871.0	12795.1
170.0	75°	195.4	177.8	158.3	236.4	207.1	287.2	2249.1	10600.7
107.5	77.5°	140.7	132.9	111.4	173.9	150.5	207.1	1338.5	8179.7
66.4	80°	72.3	74.3	70.3	99.7	101.6	140.7	762.1	5598.4
43.0	82.5°	43.0	33.2	37.1	48.9	58.6	80.1	287.2	3290.6
31.3	85°	27.4	17.6	17.6	23.4	29.3	31.3	87.9	1334.6
15.6	87.5°	13.7	5.9	7.8	11.7	9.8	7.8	3.9	336.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)