

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: P955633

Luminaire Tested: **GALN-SB8C-740-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955633  
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-SB8C-740-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

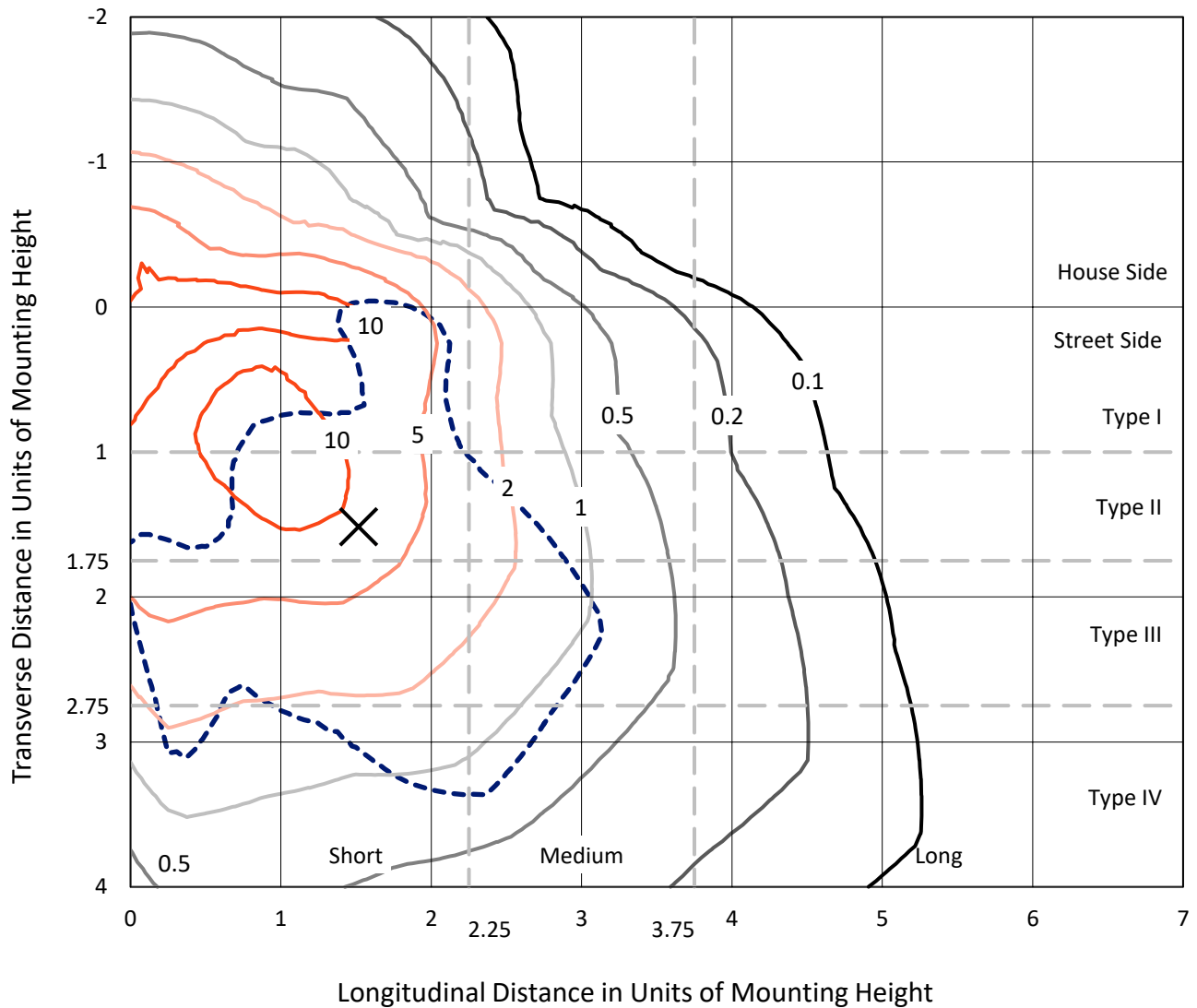
Lumens per Lamp: N/A  
Luminaire Lumens: 48897 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

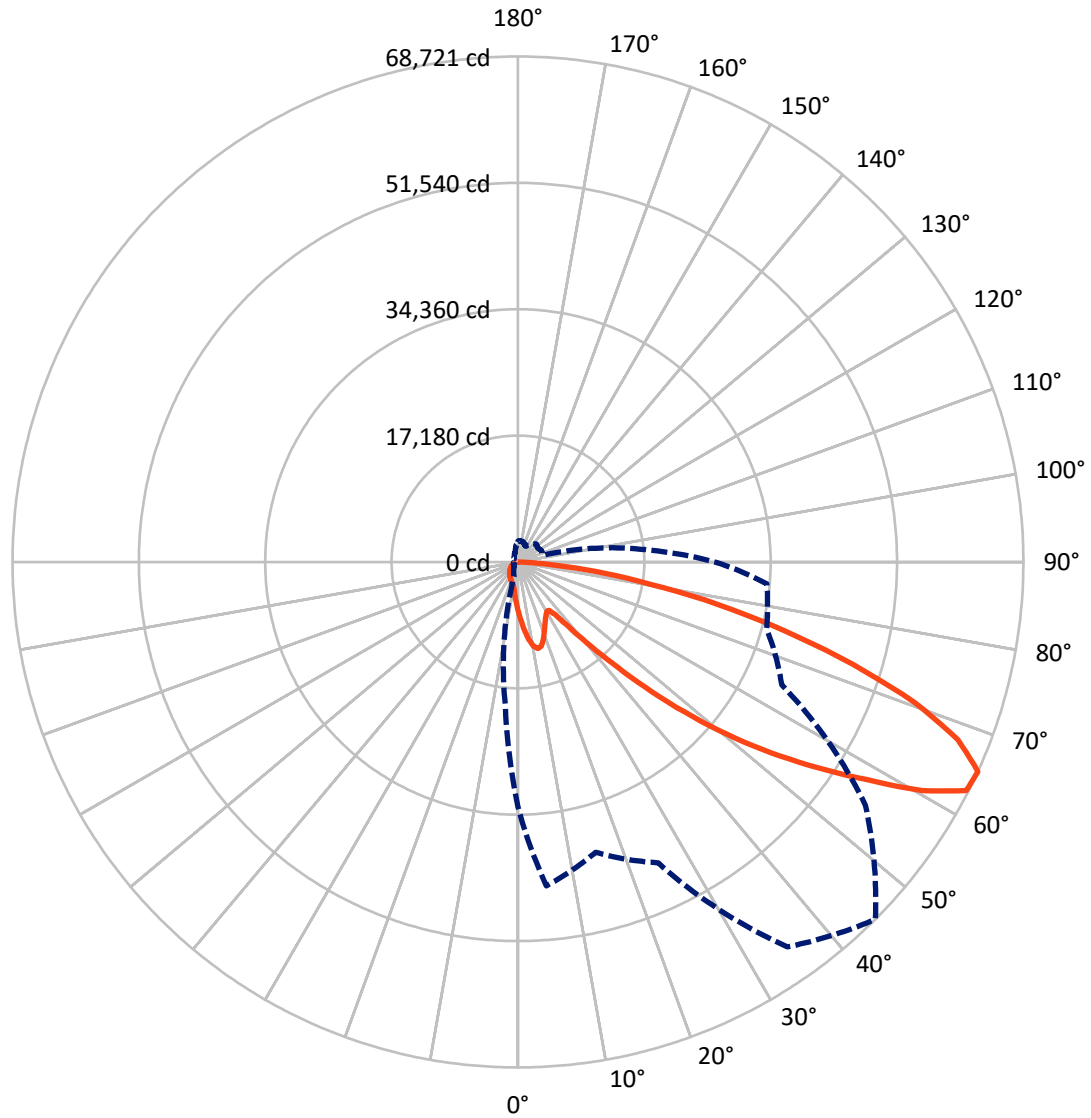
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.8 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	9719.2	0.0	9719.2
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	39177.8	0.0	39177.8
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	48897.0	0.0	48897.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	666.6	1.4
10°-20°	1998.3	4.1
20°-30°	2943.8	6.0
30°-40°	3782.0	7.7
40°-50°	6116.7	12.5
50°-60°	10726.2	21.9
60°-70°	13421.4	27.4
70°-80°	7842.8	16.0
80°-90°	1399.3	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°	48897.0	100.0
0°-180°	48897.0	100.0

**Coefficient of Utilization**



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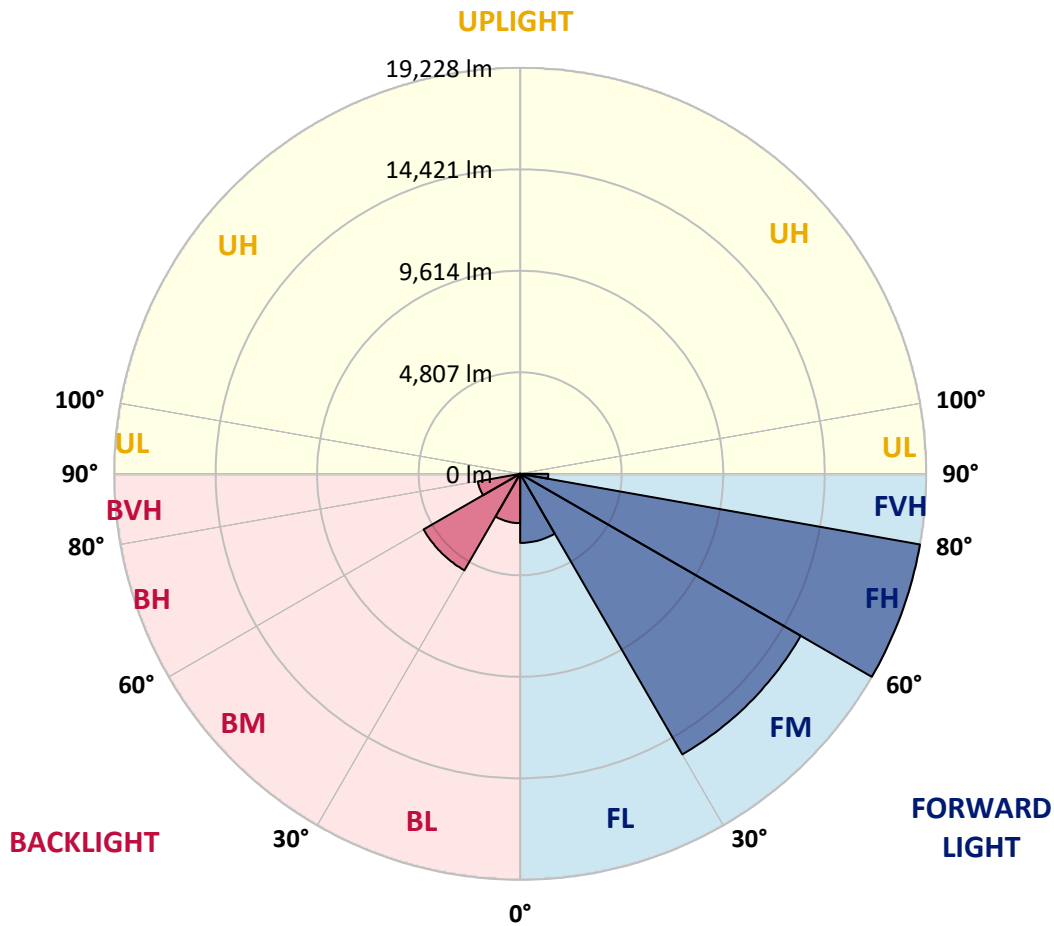
CATALOG NUMBER: GALN-SB8C-740-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3271.8	6.7			
FM (30°-60°)	15344.5	31.4			
FH (60°-80°)	19227.8	39.3			G5
FVH (80°-90°)	1333.7	2.7			G5
BL (0°-30°)	2336.9	4.8	B3/2500		
BM (30°-60°)	5280.4	10.8	B4/8500		
BH (60°-80°)	2036.4	4.2	B3/2500		G3/2500
BVH (80°-90°)	65.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7
2.5°	7585.8	7643.1	7771.1	7838.5	7942.9	7949.6	7949.6	7858.7	7855.3	7670.1
5°	8478.5	8613.2	8916.4	9229.7	9297.0	9313.9	9280.2	9098.3	8963.6	8603.1
7.5°	9364.4	9623.8	10085.3	10503.0	10637.7	10637.7	10556.9	10260.4	9984.2	9462.1
10°	10098.7	10425.5	11052.0	11520.2	11675.2	11641.5	11476.5	11102.6	10721.9	10088.6
12.5°	10583.8	10951.0	11638.1	12015.4	12173.7	12086.2	11897.5	11533.7	11132.9	10465.9
15°	10826.3	11210.3	11806.6	12005.3	11961.5	11870.6	11847.0	11671.8	11368.7	10745.5
17.5°	10930.8	11287.8	11702.1	11577.5	11207.0	11136.2	11372.0	11594.4	11520.2	10988.0
20°	11028.4	11328.2	11452.9	10900.4	10253.7	10189.7	10641.1	11274.3	11597.7	11213.7
22.5°	11163.2	11348.5	11092.4	10186.3	9489.0	9340.8	9839.4	10792.6	11621.3	11500.0
25°	11348.5	11399.0	10695.0	9509.3	8808.6	8660.4	9125.2	10257.1	11580.9	11809.9
27.5°	11570.8	11466.3	10314.3	8943.3	8266.3	8128.2	8593.0	9741.7	11466.3	12119.8
30°	11860.5	11553.9	9937.1	8505.4	7878.9	7777.8	8225.9	9297.0	11324.9	12513.9
32.5°	12153.5	11591.0	9586.7	8249.4	7791.3	7828.4	8195.5	9057.9	11169.9	12891.2
35°	12470.2	11708.9	9414.9	8502.1	8522.3	8845.7	8997.2	9280.2	11146.3	13403.2
37.5°	12901.3	11971.6	9620.4	9758.5	10459.2	11129.5	11004.9	10368.2	11419.2	14167.9
40°	13521.1	12433.1	10516.4	11897.5	13335.9	14423.9	13948.9	12345.5	12254.6	15269.4
42.5°	14423.9	13167.4	12106.4	14511.5	16950.3	18742.3	17469.0	14895.5	13716.5	16842.5
45°	15757.8	14356.5	14029.8	17270.3	21406.8	24229.6	21581.9	17613.8	15764.5	19224.0
47.5°	17607.1	16104.8	15831.9	20177.3	26823.3	30474.8	26142.9	20133.5	18095.5	22471.2
50°	20062.7	18459.3	17539.7	23357.1	32762.0	36841.2	30700.4	22565.5	20766.8	26439.3
52.5°	23303.2	21743.6	19530.5	26385.4	38869.0	43072.9	35278.2	24701.2	24081.4	31044.0
55°	27722.7	26685.2	22252.3	29275.6	44972.7	49341.7	39677.5	26715.5	28460.4	36514.5
57.5°	33206.6	33947.7	26176.6	32627.2	50460.0	55802.4	44096.9	29531.6	34146.4	42631.6
60°	36743.5	43605.1	33691.7	37582.3	56695.1	63108.7	50153.5	34887.5	40122.1	44824.5
62.5°	35887.9	46677.2	42692.3	43908.3	62428.3	68420.8	56088.8	40267.0	41247.2	41594.1
65°	33263.9	44198.0	40856.4	45137.8	63880.1	68720.6	57675.3	39573.0	34988.5	33957.8
67.5°	29652.8	41257.3	36494.2	41877.1	61256.0	64530.2	54721.2	35005.4	27038.9	25482.6
70°	25755.5	38003.3	33631.0	38218.9	56253.8	57227.3	49698.7	30788.0	19887.6	17209.6
72.5°	22056.9	34614.6	31670.6	34469.8	49580.8	47566.5	43160.5	27059.1	14481.1	12412.9
75°	18274.1	29615.8	28878.1	30016.6	40805.9	37467.7	35861.0	22403.8	11365.3	8980.4
77.5°	14100.5	23141.5	24839.3	24037.6	28723.1	27830.5	27796.8	16835.7	8303.3	5992.5
80°	9650.7	16128.3	19405.9	16957.0	18641.2	18186.5	20935.2	11294.6	6022.9	3607.7
82.5°	5672.5	9819.2	13507.7	8209.0	10307.6	10580.4	12466.8	5494.0	3543.7	832.0
85°	2300.7	3877.1	5281.8	3213.5	4971.9	4193.8	4732.7	1542.8	987.0	20.2
87.5°	579.4	1239.6	869.1	360.4	576.0	528.9	417.7	188.6	40.4	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°
6770.7	0°	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7
7649.8	2.5°	7518.5	7441.0	7249.0	7057.0	6902.0	6693.2	6555.1	6390.0	6231.7	6090.2
8525.7	5°	8313.4	8057.4	7707.1	7387.1	7060.4	6743.7	6430.5	6100.3	5797.2	5611.9
9266.7	7.5°	8960.2	8508.8	8044.0	7636.4	7242.3	6871.7	6457.4	6056.5	5581.6	5329.0
9832.6	10°	9441.9	8849.0	8239.3	7771.1	7373.6	7013.2	6662.9	6258.7	5686.0	5369.4
10176.2	12.5°	9758.5	9054.5	8340.4	7804.8	7360.2	7080.6	6925.6	6767.3	6198.0	5827.5
10428.9	15°	9977.5	9199.4	8411.1	7727.3	7181.6	6976.1	7131.1	7313.0	6949.2	6521.4
10691.6	17.5°	10216.6	9388.0	8441.4	7518.5	6834.7	6747.1	7147.9	7569.0	7552.2	7127.7
10940.9	20°	10469.3	9553.0	8421.2	7181.6	6413.6	6491.1	7003.1	7491.5	7697.0	7467.9
11227.2	22.5°	10728.6	9711.4	8343.8	6743.7	6019.5	6262.0	6774.0	7201.8	7444.4	7373.6
11577.5	25°	11055.4	9933.7	8229.2	6272.1	5692.8	6029.6	6507.9	6854.9	7023.3	7019.9
11954.8	27.5°	11446.1	10230.1	8168.6	5891.5	5460.3	5766.9	6191.3	6501.2	6619.1	6619.1
12423.0	30°	11900.9	10580.4	8101.2	5642.2	5325.6	5494.0	5824.1	6127.3	6245.2	6245.2
12935.0	32.5°	12406.2	10917.3	7939.5	5490.6	5224.5	5227.9	5436.7	5713.0	5854.4	5874.7
13575.0	35°	13012.5	11277.7	7585.8	5369.4	5106.6	4968.5	5069.6	5298.6	5467.1	5510.9
14487.9	37.5°	13807.5	11719.0	7080.6	5190.8	4924.7	4695.7	4719.3	4894.4	5079.7	5147.1
15747.7	40°	14875.3	12237.7	6555.1	4934.8	4668.7	4395.9	4385.8	4513.8	4695.7	4769.8
17452.2	42.5°	16286.7	12860.9	6053.2	4688.9	4358.8	4079.2	4062.4	4163.5	4321.8	4399.3
19702.3	45°	18092.2	13625.6	5622.0	4496.9	4055.7	3779.4	3772.7	3856.9	3995.0	4075.9
22582.4	47.5°	20601.7	14390.2	5329.0	4395.9	3816.5	3533.5	3547.0	3621.1	3745.8	3803.0
26311.3	50°	23872.5	14622.6	5180.7	4395.9	3688.5	3314.6	3382.0	3442.6	3536.9	3570.6
30781.3	52.5°	27011.9	13854.6	5046.0	4422.8	3705.3	3129.3	3274.2	3318.0	3398.8	3412.3
34924.5	55°	28551.3	11911.0	4860.7	4429.6	3809.8	2971.0	3186.6	3267.4	3297.8	3294.4
37329.6	57.5°	28022.5	9630.5	4547.5	4402.6	3880.5	2870.0	3078.8	3233.8	3254.0	3223.6
36871.5	60°	26166.4	7090.7	4308.3	4203.9	3853.6	2839.6	2913.7	3159.6	3190.0	3149.5
33341.3	62.5°	23054.0	4921.4	4123.0	3766.0	3735.7	2829.5	2654.4	2998.0	3072.1	3014.8
26799.7	65°	18149.4	3476.3	3550.4	3301.1	3479.7	2775.6	2384.9	2802.6	2903.6	2816.1
19442.9	67.5°	12281.5	2509.5	2876.7	2991.2	3065.3	2654.4	2189.5	2580.3	2715.0	2600.5
12476.9	70°	6632.6	1761.7	1899.8	2519.6	2603.8	2445.5	2014.4	2354.6	2509.5	2384.9
8869.2	72.5°	3917.6	1266.6	1330.6	2024.5	2169.3	2152.5	1819.0	2091.8	2280.5	2132.3
6120.6	75°	2159.2	855.6	949.9	1468.7	1761.7	1660.7	1563.0	1771.8	1963.8	1819.0
3836.7	77.5°	966.8	512.0	660.2	963.4	1384.5	1138.6	1209.3	1381.1	1559.6	1408.0
2135.6	80°	373.9	286.3	437.9	525.5	1007.2	629.9	778.1	1017.3	1145.3	1024.0
464.9	82.5°	47.2	128.0	188.6	205.5	586.1	333.5	451.4	640.0	629.9	545.7
0.0	85°	0.0	23.6	26.9	13.5	252.6	121.3	148.2	208.8	195.4	148.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	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°
6770.7	0°	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7
6063.3	2.5°	5898.2	5777.0	5716.3	5665.8	5713.0	5739.9	5739.9	5854.4	5921.8	5948.8
5494.0	5°	5197.6	4971.9	4820.3	4729.4	4759.7	4793.4	4830.4	4975.3	5072.9	5137.0
5099.9	7.5°	4645.2	4301.6	4089.3	3978.2	3995.0	4018.6	4048.9	4190.4	4288.1	4372.3
5025.8	10°	4372.3	3887.2	3607.7	3472.9	3449.3	3435.9	3425.8	3510.0	3584.1	3651.4
5329.0	12.5°	4385.8	3708.7	3368.5	3203.4	3132.7	3051.9	2987.9	3001.3	3048.5	3132.7
5871.3	15°	4557.6	3651.4	3243.9	3038.4	2920.5	2826.2	2748.7	2731.8	2748.7	2762.2
6491.1	17.5°	4790.0	3644.7	3136.1	2880.1	2758.8	2681.3	2610.6	2587.0	2590.4	2607.2
6902.0	20°	4975.3	3624.5	3014.8	2728.5	2620.7	2553.3	2482.6	2459.0	2465.7	2469.1
6942.5	22.5°	5072.9	3594.2	2880.1	2576.9	2485.9	2418.6	2354.6	2351.2	2351.2	2371.4
6723.5	25°	5072.9	3530.2	2758.8	2432.1	2351.2	2290.6	2213.1	2226.6	2233.3	2260.3
6383.3	27.5°	4951.7	3408.9	2661.1	2307.4	2223.2	2162.6	2091.8	2108.7	2118.8	2149.1
6046.4	30°	4796.7	3264.1	2549.9	2189.5	2091.8	2048.0	1987.4	1994.1	2007.6	2041.3
5733.2	32.5°	4631.7	3092.3	2459.0	2071.6	1973.9	1940.3	1872.9	1883.0	1896.5	1933.5
5423.3	35°	4449.8	2890.2	2351.2	1963.8	1866.1	1839.2	1761.7	1768.5	1788.7	1829.1
5089.8	37.5°	4257.8	2725.1	2243.4	1859.4	1758.4	1731.4	1650.6	1657.3	1680.9	1728.0
4739.5	40°	4069.1	2563.4	2128.9	1748.2	1647.2	1623.6	1536.0	1542.8	1569.7	1620.2
4385.8	42.5°	3863.7	2438.8	1980.7	1633.7	1525.9	1502.3	1421.5	1431.6	1461.9	1512.5
4059.0	45°	3617.8	2357.9	1815.6	1525.9	1404.7	1381.1	1307.0	1327.2	1360.9	1411.4
3779.4	47.5°	3365.1	2324.3	1677.5	1411.4	1280.0	1259.8	1199.2	1232.9	1269.9	1310.3
3540.3	50°	3122.6	2280.5	1536.0	1303.6	1172.2	1152.0	1111.6	1155.4	1192.4	1229.5
3368.5	52.5°	2846.4	2186.2	1408.0	1209.3	1081.3	1074.5	1054.3	1094.8	1128.4	1162.1
3220.3	55°	2560.1	2034.6	1296.9	1125.1	1003.8	1010.5	1000.4	1034.1	1061.1	1091.4
3085.5	57.5°	2310.8	1842.6	1209.3	1034.1	936.4	956.7	943.2	960.0	976.9	1013.9
2923.9	60°	2058.1	1613.5	1111.6	926.3	869.1	892.7	855.6	852.2	859.0	869.1
2684.7	62.5°	1717.9	1374.3	990.3	832.0	795.0	805.1	734.3	680.4	680.4	690.5
2351.2	65°	1381.1	1152.0	855.6	724.2	693.9	687.2	586.1	512.0	505.3	535.6
1963.8	67.5°	1135.2	956.7	720.9	603.0	582.7	589.5	515.4	441.3	434.5	468.2
1600.0	70°	939.8	771.4	576.0	464.9	485.1	515.4	441.3	370.5	360.4	390.7
1300.2	72.5°	747.8	603.0	441.3	343.6	400.9	437.9	360.4	293.1	286.3	313.3
1003.8	75°	549.1	431.2	299.8	249.3	309.9	343.6	262.7	208.8	198.7	222.3
670.3	77.5°	340.2	242.5	188.6	148.2	212.2	229.1	138.1	121.3	117.9	134.7
407.6	80°	158.3	104.4	90.9	50.5	77.5	90.9	57.3	64.0	67.4	80.8
205.5	82.5°	43.8	16.8	3.4	0.0	0.0	26.9	13.5	26.9	33.7	50.5
16.8	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	16.8	30.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
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°
6770.7	0°	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7	6770.7
6137.4	2.5°	6278.9	6413.6	6629.2	6851.5	7070.5	7292.8	7508.4	7585.8
5430.0	5°	5696.1	6006.0	6433.8	6891.9	7363.5	7841.9	8279.8	8478.5
4699.0	7.5°	5046.0	5490.6	6134.0	6851.5	7602.7	8353.9	9044.4	9364.4
3974.8	10°	4352.1	4914.6	5649.0	6619.1	7697.0	8734.5	9684.4	10098.7
3338.2	12.5°	3691.9	4281.4	5093.2	6255.3	7622.9	8953.5	10095.4	10583.8
2890.2	15°	3139.4	3661.6	4537.4	5824.1	7383.7	8966.9	10290.7	10826.3
2640.9	17.5°	2725.1	3065.3	3971.5	5345.8	7070.5	8842.3	10358.1	10930.8
2506.2	20°	2519.6	2614.0	3237.1	4732.7	6777.4	8724.4	10425.5	11028.4
2398.4	22.5°	2398.4	2421.9	2647.6	3941.1	6427.1	8687.3	10543.4	11163.2
2300.7	25°	2300.7	2307.4	2368.1	3122.6	5891.5	8663.8	10725.3	11348.5
2199.6	27.5°	2203.0	2203.0	2236.7	2516.3	5163.9	8562.7	10961.1	11570.8
2098.6	30°	2105.3	2105.3	2128.9	2226.6	4311.7	8364.0	11244.0	11860.5
1997.5	32.5°	2004.3	2004.3	2024.5	2095.2	3442.6	8114.7	11503.4	12153.5
1893.1	35°	1903.2	1896.5	1923.4	1997.5	2738.6	7798.1	11762.8	12470.2
1788.7	37.5°	1795.4	1792.0	1819.0	1903.2	2364.7	7430.9	11958.1	12901.3
1684.2	40°	1680.9	1680.9	1711.2	1802.1	2256.9	6969.4	12268.0	13521.1
1576.5	42.5°	1576.5	1569.7	1603.4	1714.6	2176.0	6528.1	12823.9	14423.9
1478.8	45°	1475.4	1461.9	1492.2	1630.4	2034.6	6373.2	13861.3	15757.8
1384.5	47.5°	1381.1	1347.4	1374.3	1529.3	1906.6	6952.6	15559.1	17607.1
1300.2	50°	1303.6	1239.6	1263.2	1428.2	1808.9	8209.0	17762.1	20062.7
1222.8	52.5°	1222.8	1138.6	1152.0	1303.6	1721.3	9404.8	20150.3	23303.2
1145.3	55°	1138.6	1044.2	1051.0	1179.0	1596.7	9583.4	22481.3	27722.7
1057.7	57.5°	1044.2	956.7	956.7	1064.4	1505.7	8306.7	24273.4	33206.6
949.9	60°	939.8	882.5	865.7	973.5	1586.6	5861.2	24482.2	36743.5
811.8	62.5°	825.3	795.0	771.4	885.9	1647.2	3472.9	22801.3	35887.9
640.0	65°	693.9	687.2	670.3	973.5	1387.8	2051.4	19574.3	33263.9
545.7	67.5°	582.7	572.6	572.6	1020.7	1054.3	1290.1	15293.0	29652.8
464.9	70°	501.9	464.9	464.9	771.4	640.0	892.7	10678.1	25755.5
384.0	72.5°	421.1	380.6	353.7	616.4	478.3	653.5	6673.0	22056.9
293.1	75°	336.8	306.5	272.8	407.6	357.1	495.2	3877.1	18274.1
185.3	77.5°	242.5	229.1	192.0	299.8	259.4	357.1	2307.4	14100.5
114.5	80°	124.6	128.0	121.3	171.8	175.2	242.5	1313.7	9650.7
74.1	82.5°	74.1	57.3	64.0	84.2	101.1	138.1	495.2	5672.5
53.9	85°	47.2	30.3	30.3	40.4	50.5	53.9	151.6	2300.7
26.9	87.5°	23.6	10.1	13.5	20.2	16.8	13.5	6.7	579.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)