

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: P953302

Luminaire Tested: **GALN-SB6D-927-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953302  
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-SB6D-927-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

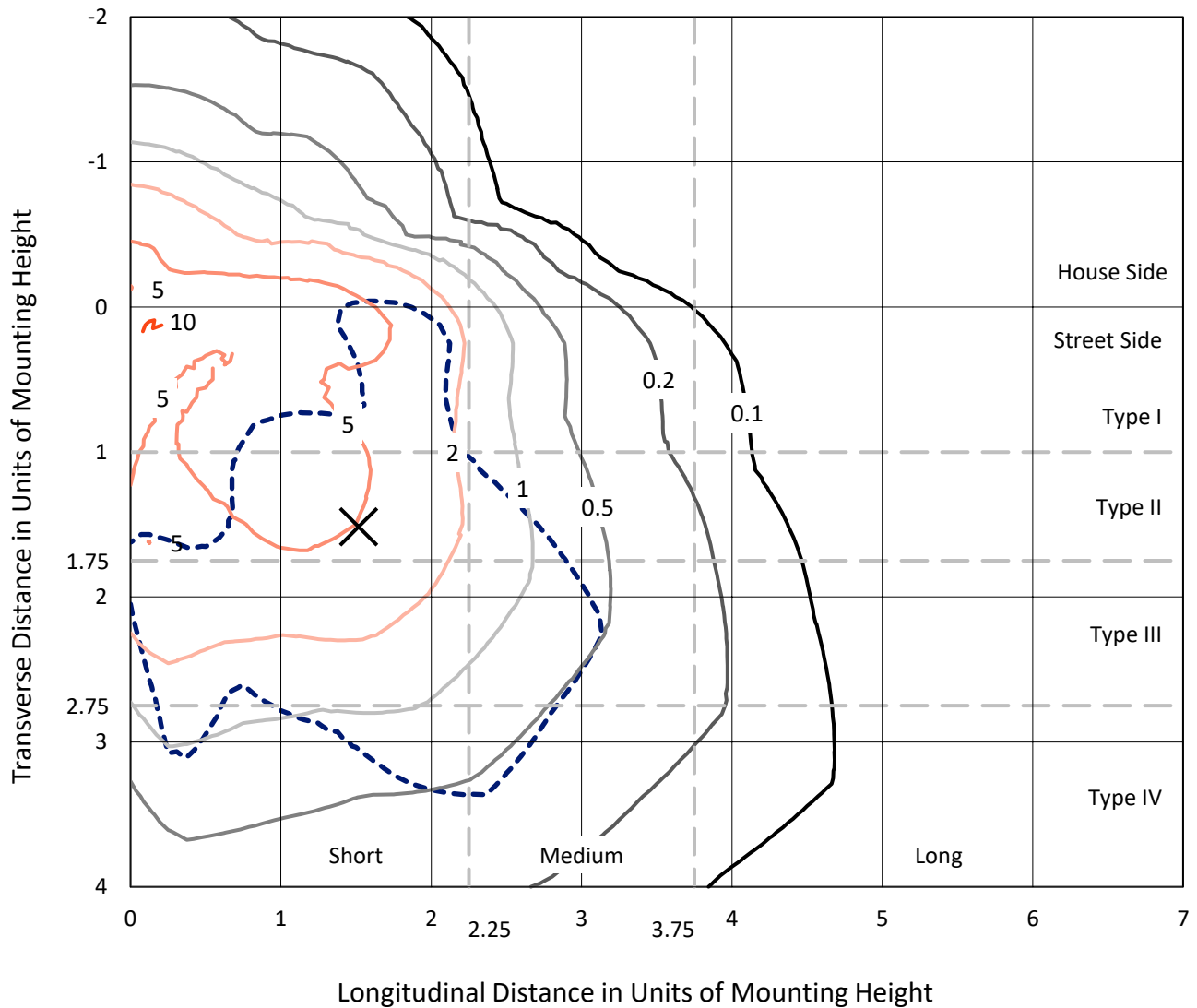
Lumens per Lamp: N/A  
Luminaire Lumens: 28667 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

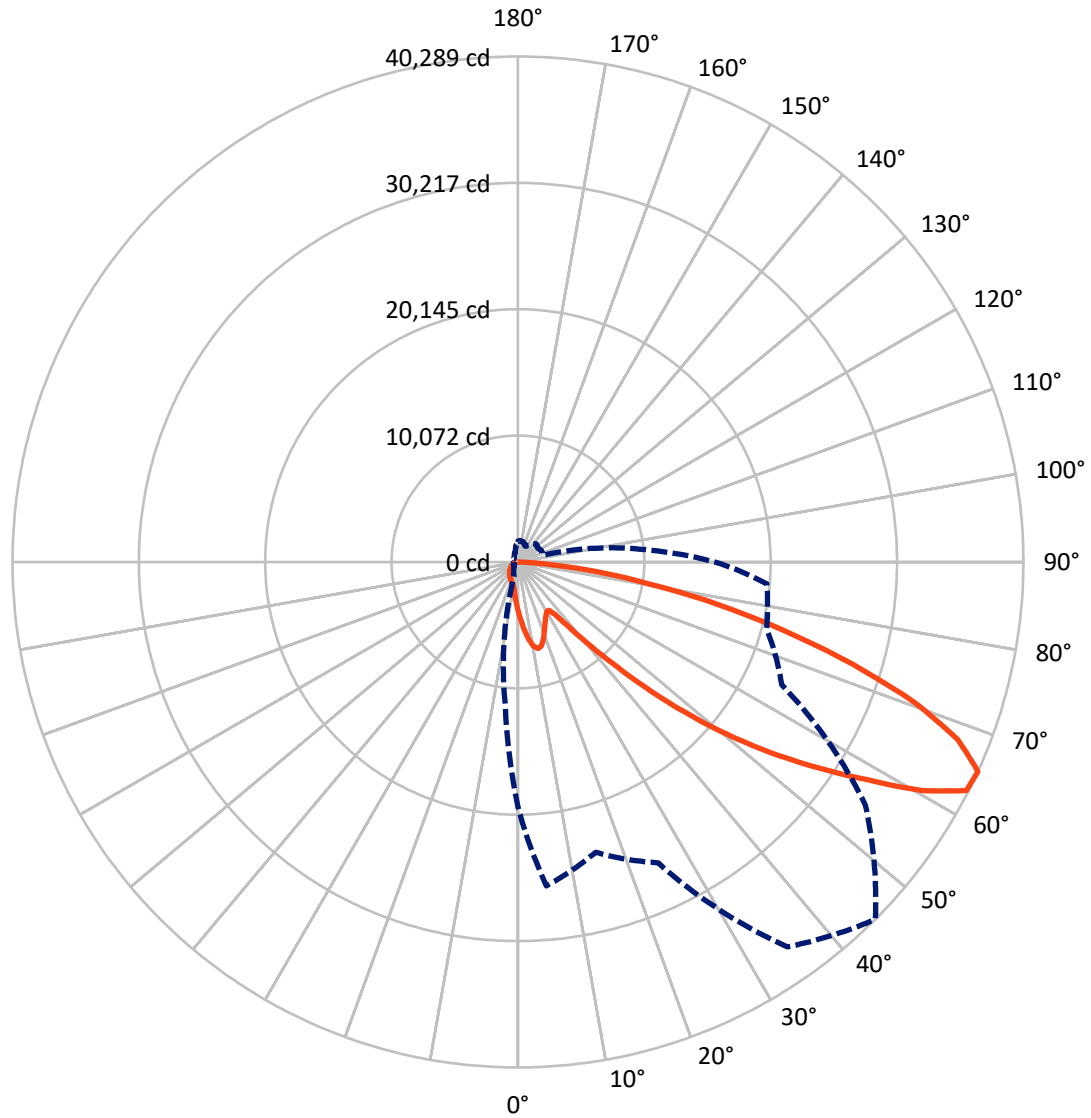
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	5698.1	0.0	5698.1
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	22968.9	0.0	22968.9
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	28667.0	0.0	28667.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.8	1.4
10°-20°	1171.5	4.1
20°-30°	1725.9	6.0
30°-40°	2217.3	7.7
40°-50°	3586.0	12.5
50°-60°	6288.5	21.9
60°-70°	7868.6	27.4
70°-80°	4598.0	16.0
80°-90°	820.4	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°	28667.0	100.0
0°-180°	28667.0	100.0

**Coefficient of Utilization**



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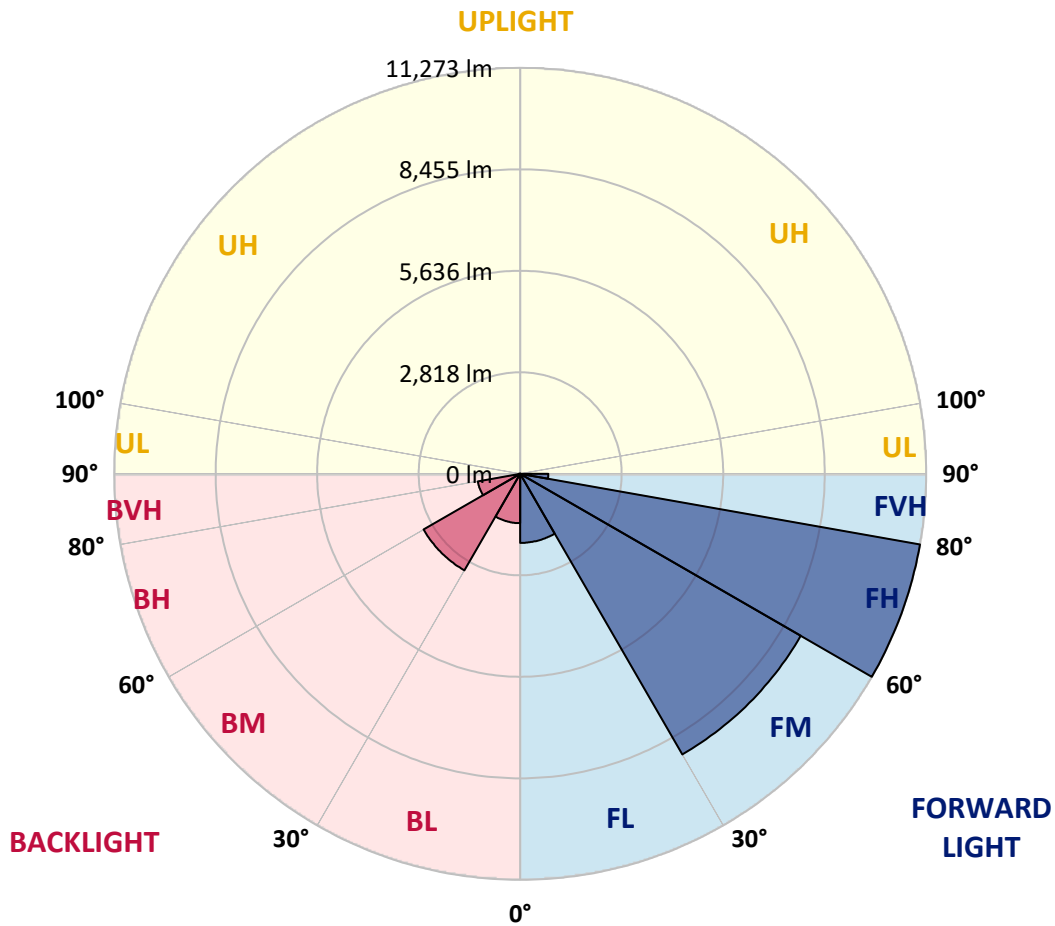
CATALOG NUMBER: GALN-SB6D-927-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1918.2	6.7			
FM (30°-60°)	8996.1	31.4			
FH (60°-80°)	11272.8	39.3			G4/12000
FVH (80°-90°)	781.9	2.7			G5
BL (0°-30°)	1370.1	4.8	B3/2500		
BM (30°-60°)	3095.8	10.8	B3/5000		
BH (60°-80°)	1193.9	4.2	B3/2500		G3/2500
BVH (80°-90°)	38.4	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°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
2.5°	4447.4	4481.0	4556.0	4595.5	4656.7	4660.7	4660.7	4607.3	4605.4	4496.7
5°	4970.7	5049.7	5227.4	5411.1	5450.6	5460.5	5440.7	5334.1	5255.1	5043.8
7.5°	5490.1	5642.2	5912.7	6157.6	6236.6	6236.6	6189.2	6015.4	5853.5	5547.4
10°	5920.6	6112.2	6479.5	6754.0	6844.9	6825.1	6728.3	6509.1	6286.0	5914.7
12.5°	6205.0	6420.3	6823.1	7044.3	7137.1	7085.8	6975.2	6761.9	6526.9	6135.9
15°	6347.2	6572.3	6921.9	7038.4	7012.7	6959.4	6945.6	6842.9	6665.1	6299.8
17.5°	6408.4	6617.7	6860.7	6787.6	6570.3	6528.9	6667.1	6797.5	6754.0	6442.0
20°	6465.7	6641.4	6714.5	6390.6	6011.5	5973.9	6238.6	6609.8	6799.4	6574.3
22.5°	6544.7	6653.3	6503.2	5972.0	5563.2	5476.3	5768.6	6327.4	6813.3	6742.2
25°	6653.3	6682.9	6270.2	5575.0	5164.3	5077.4	5349.9	6013.4	6789.6	6923.8
27.5°	6783.6	6722.4	6047.0	5243.2	4846.3	4765.3	5037.9	5711.3	6722.4	7105.5
30°	6953.5	6773.8	5825.8	4986.5	4619.2	4559.9	4822.6	5450.6	6639.5	7336.6
32.5°	7125.3	6795.5	5620.4	4836.4	4567.8	4589.6	4804.8	5310.4	6548.6	7557.8
35°	7310.9	6864.6	5519.7	4984.5	4996.4	5186.0	5274.8	5440.7	6534.8	7858.0
37.5°	7563.7	7018.6	5640.2	5721.2	6131.9	6524.9	6451.9	6078.6	6694.8	8306.2
40°	7927.1	7289.2	6165.5	6975.2	7818.5	8456.3	8177.9	7237.9	7184.5	8952.0
42.5°	8456.3	7719.7	7097.6	8507.7	9937.5	10988.1	10241.6	8732.8	8041.6	9874.3
45°	9238.4	8416.8	8225.3	10125.1	12550.2	14205.1	12652.9	10326.5	9242.3	11270.5
47.5°	10322.6	9441.8	9281.8	11829.4	15725.8	17866.5	15326.9	11803.7	10608.9	13174.3
50°	11762.2	10822.2	10283.1	13693.7	19207.5	21599.0	17998.8	13229.6	12175.0	15500.7
52.5°	13662.1	12747.7	11450.2	15469.1	22787.9	25252.5	20682.7	14481.6	14118.3	18200.3
55°	16253.1	15644.8	13045.9	17163.5	26366.3	28927.7	23261.8	15662.6	16685.6	21407.4
57.5°	19468.1	19902.6	15346.6	19128.5	29583.4	32715.5	25852.9	17313.6	20019.1	24993.8
60°	21541.7	25564.5	19752.5	22033.5	33238.8	36998.9	29403.6	20453.6	23522.5	26279.4
62.5°	21040.1	27365.6	25029.3	25742.3	36600.0	40113.3	32883.3	23607.4	24182.1	24385.5
65°	19501.7	25912.1	23953.0	26463.1	37451.2	40289.1	33813.5	23200.6	20512.8	19908.5
67.5°	17384.7	24188.0	21395.6	24551.4	35912.8	37832.3	32081.5	20522.7	15852.2	14939.8
70°	15099.8	22280.3	19717.0	22406.7	32980.1	33550.8	29137.0	18050.2	11659.6	10089.5
72.5°	12931.4	20293.6	18567.6	20208.7	29067.9	27887.0	25303.8	15864.0	8489.9	7277.3
75°	10713.6	17362.9	16930.4	17597.9	23923.4	21966.3	21024.3	13134.8	6663.2	5265.0
77.5°	8266.8	13567.3	14562.6	14092.6	16839.6	16316.3	16296.5	9870.3	4868.0	3513.3
80°	5658.0	9455.6	11377.2	9941.4	10928.9	10662.3	12273.7	6621.7	3531.0	2115.1
82.5°	3325.7	5756.7	7919.2	4812.7	6043.1	6203.0	7308.9	3221.0	2077.5	487.8
85°	1348.8	2273.1	3096.6	1884.0	2914.9	2458.7	2774.7	904.5	578.6	11.8
87.5°	339.7	726.7	509.5	211.3	337.7	310.1	244.9	110.6	23.7	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°
3969.5	0°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
4484.9	2.5°	4407.9	4362.5	4249.9	4137.3	4046.5	3924.0	3843.1	3746.3	3653.5	3570.5
4998.4	5°	4873.9	4723.9	4518.5	4330.9	4139.3	3953.7	3770.0	3576.5	3398.7	3290.1
5432.8	7.5°	5253.1	4988.5	4716.0	4477.0	4245.9	4028.7	3785.8	3550.8	3272.3	3124.2
5764.6	10°	5535.5	5187.9	4830.5	4556.0	4323.0	4111.7	3906.3	3669.3	3333.6	3147.9
5966.0	12.5°	5721.2	5308.4	4889.7	4575.7	4315.1	4151.1	4060.3	3967.5	3633.7	3416.5
6114.2	15°	5849.5	5393.3	4931.2	4530.3	4210.4	4089.9	4180.8	4287.4	4074.1	3823.3
6268.2	17.5°	5989.7	5503.9	4949.0	4407.9	4007.0	3955.6	4190.6	4437.5	4427.6	4178.8
6414.3	20°	6137.9	5600.7	4937.1	4210.4	3760.1	3805.5	4105.7	4392.1	4512.5	4378.3
6582.2	22.5°	6289.9	5693.5	4891.7	3953.7	3529.1	3671.3	3971.4	4222.2	4364.4	4323.0
6787.6	25°	6481.5	5823.9	4824.6	3677.2	3337.5	3535.0	3815.4	4018.8	4117.6	4115.6
7008.8	27.5°	6710.6	5997.6	4789.0	3454.0	3201.2	3381.0	3629.8	3811.5	3880.6	3880.6
7283.3	30°	6977.2	6203.0	4749.5	3307.9	3122.2	3221.0	3414.5	3592.3	3661.4	3661.4
7583.5	32.5°	7273.4	6400.5	4654.7	3219.0	3063.0	3065.0	3187.4	3349.4	3432.3	3444.2
7958.7	35°	7628.9	6611.8	4447.4	3147.9	2993.9	2912.9	2972.2	3106.4	3205.2	3230.9
8493.9	37.5°	8094.9	6870.5	4151.1	3043.3	2887.2	2753.0	2766.8	2869.5	2978.1	3017.6
9232.5	40°	8721.0	7174.7	3843.1	2893.2	2737.2	2577.2	2571.3	2646.3	2753.0	2796.4
10231.7	42.5°	9548.4	7540.0	3548.8	2749.0	2555.5	2391.6	2381.7	2440.9	2533.7	2579.2
11550.9	45°	10607.0	7988.3	3296.0	2636.4	2377.7	2215.8	2211.8	2261.2	2342.2	2389.6
13239.4	47.5°	12078.2	8436.6	3124.2	2577.2	2237.5	2071.6	2079.5	2123.0	2196.0	2229.6
15425.6	50°	13995.8	8572.9	3037.3	2577.2	2162.5	1943.3	1982.8	2018.3	2073.6	2093.3
18046.2	52.5°	15836.4	8122.6	2958.3	2593.0	2172.3	1834.6	1919.6	1945.2	1992.6	2000.5
20475.3	55°	16738.9	6983.1	2849.7	2596.9	2233.6	1741.8	1868.2	1915.6	1933.4	1931.4
21885.4	57.5°	16428.8	5646.1	2666.1	2581.1	2275.0	1682.6	1805.0	1895.9	1907.7	1889.9
21616.8	60°	15340.7	4157.1	2525.8	2464.6	2259.2	1664.8	1708.3	1852.4	1870.2	1846.5
19547.1	62.5°	13515.9	2885.3	2417.2	2207.9	2190.1	1658.9	1556.2	1757.6	1801.1	1767.5
15712.0	65°	10640.5	2038.1	2081.5	1935.4	2040.0	1627.3	1398.2	1643.1	1702.3	1651.0
11398.9	67.5°	7200.3	1471.3	1686.5	1753.7	1797.1	1556.2	1283.7	1512.7	1591.7	1524.6
7314.9	70°	3888.5	1032.9	1113.8	1477.2	1526.6	1433.7	1181.0	1380.4	1471.3	1398.2
5199.8	72.5°	2296.8	742.5	780.1	1186.9	1271.8	1261.9	1066.4	1226.4	1337.0	1250.1
3588.3	75°	1265.9	501.6	556.9	861.0	1032.9	973.6	916.3	1038.8	1151.3	1066.4
2249.4	77.5°	566.8	300.2	387.1	564.8	811.7	667.5	709.0	809.7	914.4	825.5
1252.1	80°	219.2	167.9	256.7	308.1	590.5	369.3	456.2	596.4	671.5	600.4
272.5	82.5°	27.6	75.0	110.6	120.5	343.6	195.5	264.6	375.2	369.3	319.9
0.0	85°	0.0	13.8	15.8	7.9	148.1	71.1	86.9	122.4	114.5	86.9
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°
3969.5	0°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
3554.7	2.5°	3458.0	3386.9	3351.3	3321.7	3349.4	3365.2	3365.2	3432.3	3471.8	3487.6
3221.0	5°	3047.2	2914.9	2826.0	2772.7	2790.5	2810.2	2831.9	2916.9	2974.1	3011.7
2989.9	7.5°	2723.3	2521.9	2397.5	2332.3	2342.2	2356.0	2373.8	2456.7	2514.0	2563.4
2946.5	10°	2563.4	2279.0	2115.1	2036.1	2022.3	2014.4	2008.4	2057.8	2101.2	2140.7
3124.2	12.5°	2571.3	2174.3	1974.9	1878.1	1836.6	1789.2	1751.7	1759.6	1787.2	1836.6
3442.2	15°	2672.0	2140.7	1901.8	1781.3	1712.2	1656.9	1611.5	1601.6	1611.5	1619.4
3805.5	17.5°	2808.2	2136.8	1838.6	1688.5	1617.4	1572.0	1530.5	1516.7	1518.7	1528.5
4046.5	20°	2916.9	2124.9	1767.5	1599.6	1536.4	1496.9	1455.5	1441.6	1445.6	1447.6
4070.2	22.5°	2974.1	2107.2	1688.5	1510.8	1457.4	1417.9	1380.4	1378.5	1378.5	1390.3
3941.8	25°	2974.1	2069.6	1617.4	1425.8	1378.5	1342.9	1297.5	1305.4	1309.3	1325.1
3742.4	27.5°	2903.0	1998.6	1560.1	1352.8	1303.4	1267.9	1226.4	1236.3	1242.2	1260.0
3544.9	30°	2812.2	1913.6	1495.0	1283.7	1226.4	1200.7	1165.2	1169.1	1177.0	1196.8
3361.2	32.5°	2715.4	1812.9	1441.6	1214.5	1157.3	1137.5	1098.0	1103.9	1111.8	1133.6
3179.5	35°	2608.8	1694.4	1378.5	1151.3	1094.1	1078.3	1032.9	1036.8	1048.6	1072.3
2984.0	37.5°	2496.2	1597.7	1315.3	1090.1	1030.9	1015.1	967.7	971.6	985.5	1013.1
2778.6	40°	2385.6	1502.9	1248.1	1025.0	965.7	951.9	900.5	904.5	920.3	949.9
2571.3	42.5°	2265.2	1429.8	1161.2	957.8	894.6	880.8	833.4	839.3	857.1	886.7
2379.7	45°	2121.0	1382.4	1064.4	894.6	823.5	809.7	766.2	778.1	797.8	827.5
2215.8	47.5°	1972.9	1362.7	983.5	827.5	750.4	738.6	703.0	722.8	744.5	768.2
2075.6	50°	1830.7	1337.0	900.5	764.3	687.3	675.4	651.7	677.4	699.1	720.8
1974.9	52.5°	1668.8	1281.7	825.5	709.0	633.9	630.0	618.1	641.8	661.6	681.3
1888.0	55°	1500.9	1192.8	760.3	659.6	588.5	592.5	586.5	606.3	622.1	639.9
1809.0	57.5°	1354.8	1080.2	709.0	606.3	549.0	560.9	553.0	562.8	572.7	594.4
1714.2	60°	1206.6	946.0	651.7	543.1	509.5	523.3	501.6	499.6	503.6	509.5
1574.0	62.5°	1007.2	805.7	580.6	487.8	466.1	472.0	430.5	398.9	398.9	404.8
1378.5	65°	809.7	675.4	501.6	424.6	406.8	402.9	343.6	300.2	296.2	314.0
1151.3	67.5°	665.5	560.9	422.6	353.5	341.7	345.6	302.2	258.7	254.8	274.5
938.1	70°	551.0	452.2	337.7	272.5	284.4	302.2	258.7	217.2	211.3	229.1
762.3	72.5°	438.4	353.5	258.7	201.4	235.0	256.7	211.3	171.8	167.9	183.7
588.5	75°	321.9	252.8	175.8	146.1	181.7	201.4	154.0	122.4	116.5	130.3
393.0	77.5°	199.5	142.2	110.6	86.9	124.4	134.3	81.0	71.1	69.1	79.0
239.0	80°	92.8	61.2	53.3	29.6	45.4	53.3	33.6	37.5	39.5	47.4
120.5	82.5°	25.7	9.9	2.0	0.0	0.0	15.8	7.9	15.8	19.7	29.6
9.9	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.9	17.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
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°
3969.5	0°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
3598.2	2.5°	3681.1	3760.1	3886.5	4016.9	4145.2	4275.6	4402.0	4447.4
3183.5	5°	3339.5	3521.2	3772.0	4040.6	4317.0	4597.5	4854.2	4970.7
2754.9	7.5°	2958.3	3219.0	3596.2	4016.9	4457.3	4897.6	5302.5	5490.1
2330.3	10°	2551.5	2881.3	3311.8	3880.6	4512.5	5120.8	5677.7	5920.6
1957.1	12.5°	2164.4	2510.0	2986.0	3667.3	4469.1	5249.2	5918.6	6205.0
1694.4	15°	1840.6	2146.7	2660.1	3414.5	4328.9	5257.1	6033.2	6347.2
1548.3	17.5°	1597.7	1797.1	2328.4	3134.1	4145.2	5184.0	6072.7	6408.4
1469.3	20°	1477.2	1532.5	1897.8	2774.7	3973.4	5114.9	6112.2	6465.7
1406.1	22.5°	1406.1	1419.9	1552.2	2310.6	3768.0	5093.2	6181.3	6544.7
1348.8	25°	1348.8	1352.8	1388.3	1830.7	3454.0	5079.3	6287.9	6653.3
1289.6	27.5°	1291.6	1291.6	1311.3	1475.2	3027.5	5020.1	6426.2	6783.6
1230.3	30°	1234.3	1234.3	1248.1	1305.4	2527.8	4903.6	6592.1	6953.5
1171.1	32.5°	1175.0	1175.0	1186.9	1228.4	2018.3	4757.4	6744.1	7125.3
1109.9	35°	1115.8	1111.8	1127.6	1171.1	1605.6	4571.8	6896.2	7310.9
1048.6	37.5°	1052.6	1050.6	1066.4	1115.8	1386.3	4356.5	7010.7	7563.7
987.4	40°	985.5	985.5	1003.2	1056.5	1323.2	4086.0	7192.4	7927.1
924.2	42.5°	924.2	920.3	940.0	1005.2	1275.8	3827.3	7518.3	8456.3
867.0	45°	865.0	857.1	874.9	955.8	1192.8	3736.4	8126.5	9238.4
811.7	47.5°	809.7	789.9	805.7	896.6	1117.8	4076.1	9121.9	10322.6
762.3	50°	764.3	726.7	740.6	837.3	1060.5	4812.7	10413.4	11762.2
716.9	52.5°	716.9	667.5	675.4	764.3	1009.2	5513.8	11813.6	13662.1
671.5	55°	667.5	612.2	616.2	691.2	936.1	5618.5	13180.2	16253.1
620.1	57.5°	612.2	560.9	560.9	624.1	882.8	4870.0	14230.8	19468.1
556.9	60°	551.0	517.4	507.5	570.7	930.2	3436.3	14353.3	21541.7
475.9	62.5°	483.8	466.1	452.2	519.4	965.7	2036.1	13367.8	21040.1
375.2	65°	406.8	402.9	393.0	570.7	813.6	1202.7	11475.9	19501.7
319.9	67.5°	341.7	335.7	335.7	598.4	618.1	756.4	8965.9	17384.7
272.5	70°	294.3	272.5	272.5	452.2	375.2	523.3	6260.3	15099.8
225.1	72.5°	246.9	223.2	207.4	361.4	280.4	383.1	3912.2	12931.4
171.8	75°	197.5	179.7	160.0	239.0	209.3	290.3	2273.1	10713.6
108.6	77.5°	142.2	134.3	112.6	175.8	152.1	209.3	1352.8	8266.8
67.1	80°	73.1	75.0	71.1	100.7	102.7	142.2	770.2	5658.0
43.4	82.5°	43.4	33.6	37.5	49.4	59.2	81.0	290.3	3325.7
31.6	85°	27.6	17.8	17.8	23.7	29.6	31.6	88.9	1348.8
15.8	87.5°	13.8	5.9	7.9	11.8	9.9	7.9	3.9	339.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)