

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: P952126

Luminaire Tested: **GALN-SB6A-827-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952126  
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-SB6A-827-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

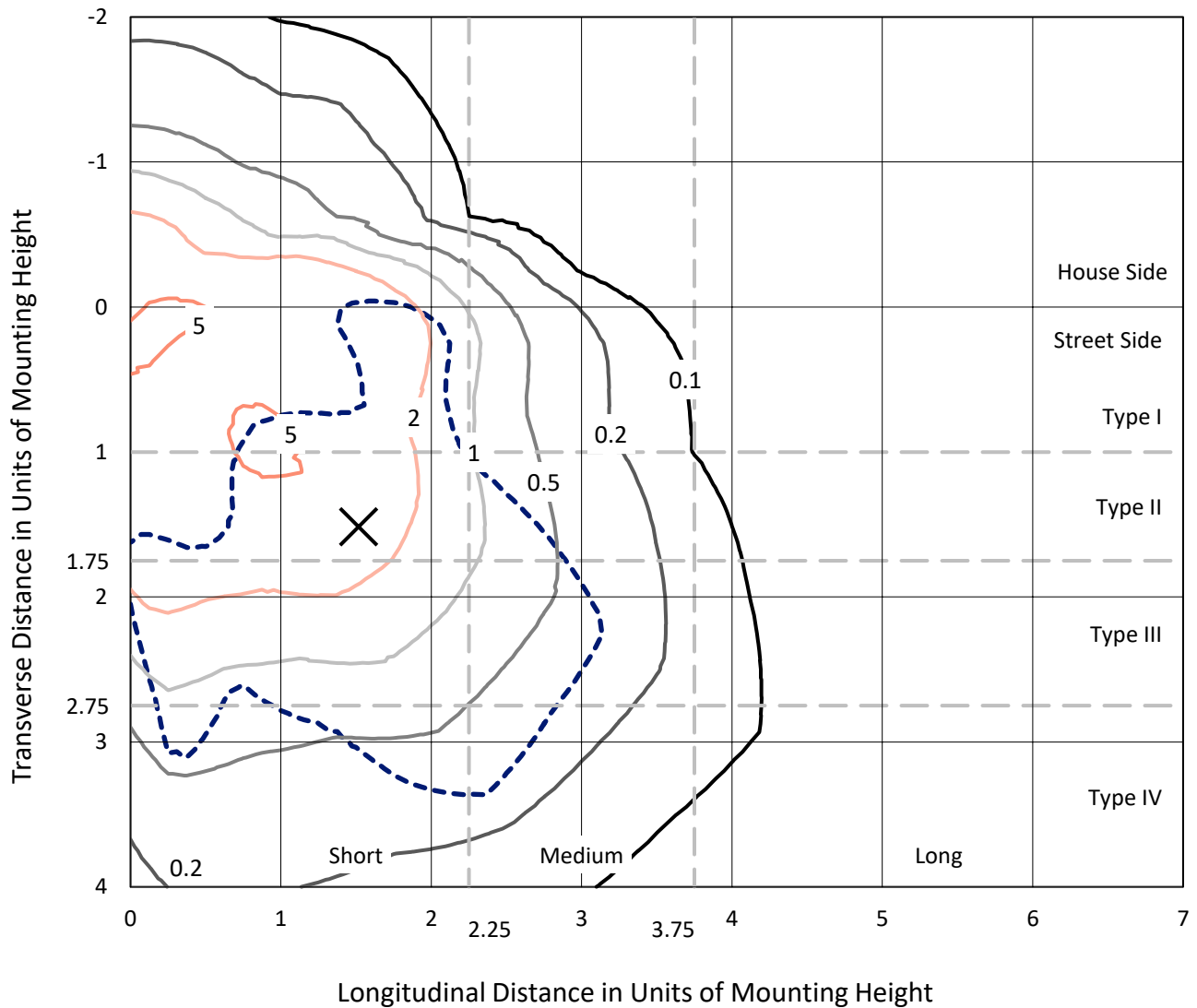
Lumens per Lamp: N/A  
Luminaire Lumens: 18052 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

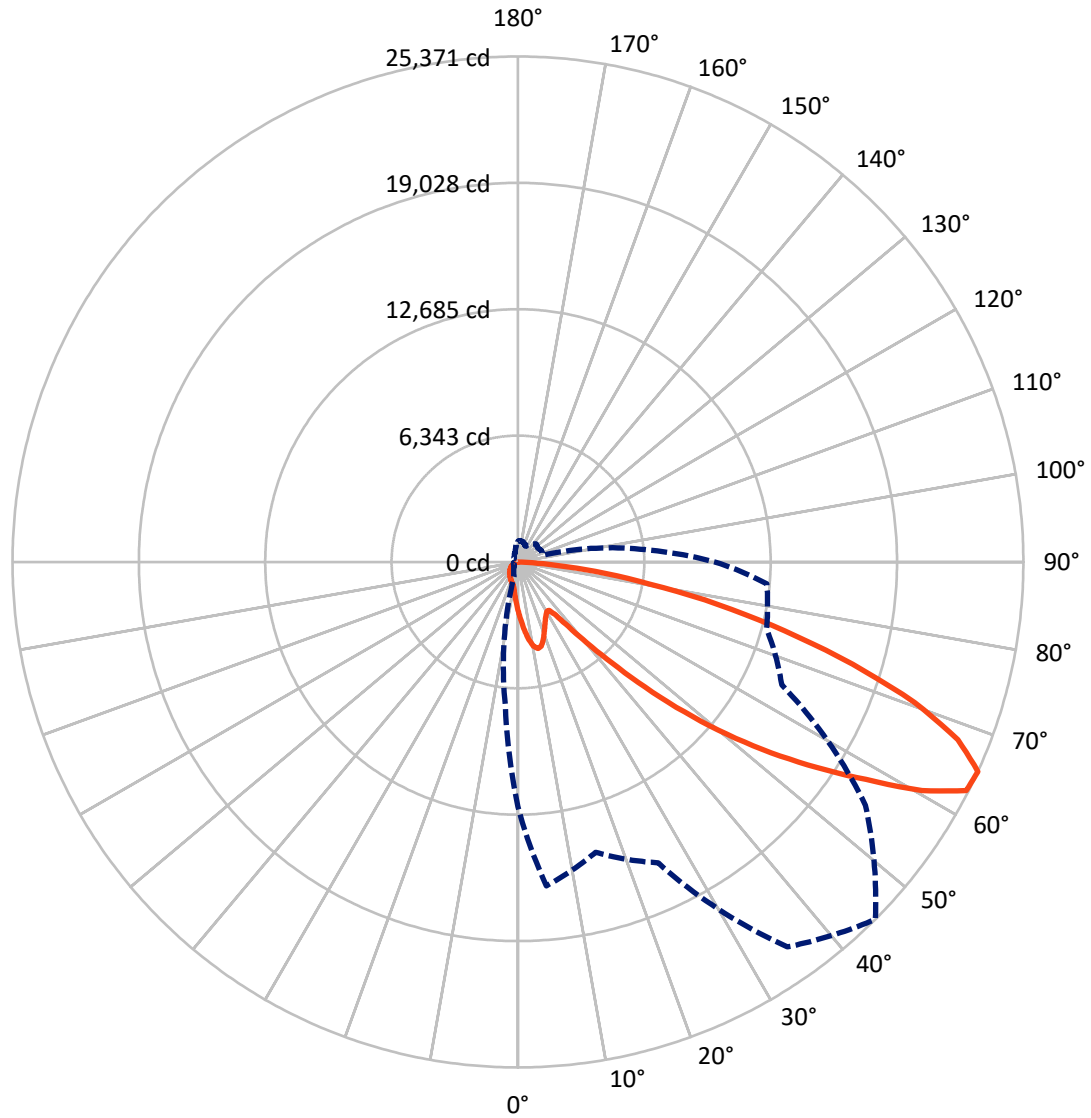
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	3588.2	0.0	3588.2
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	14463.8	0.0	14463.8
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	18052.0	0.0	18052.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.1	1.4
10°-20°	737.7	4.1
20°-30°	1086.8	6.0
30°-40°	1396.3	7.7
40°-50°	2258.2	12.5
50°-60°	3959.9	21.9
60°-70°	4955.0	27.4
70°-80°	2895.4	16.0
80°-90°	516.6	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°	18052.0	100.0
0°-180°	18052.0	100.0

**Coefficient of Utilization**



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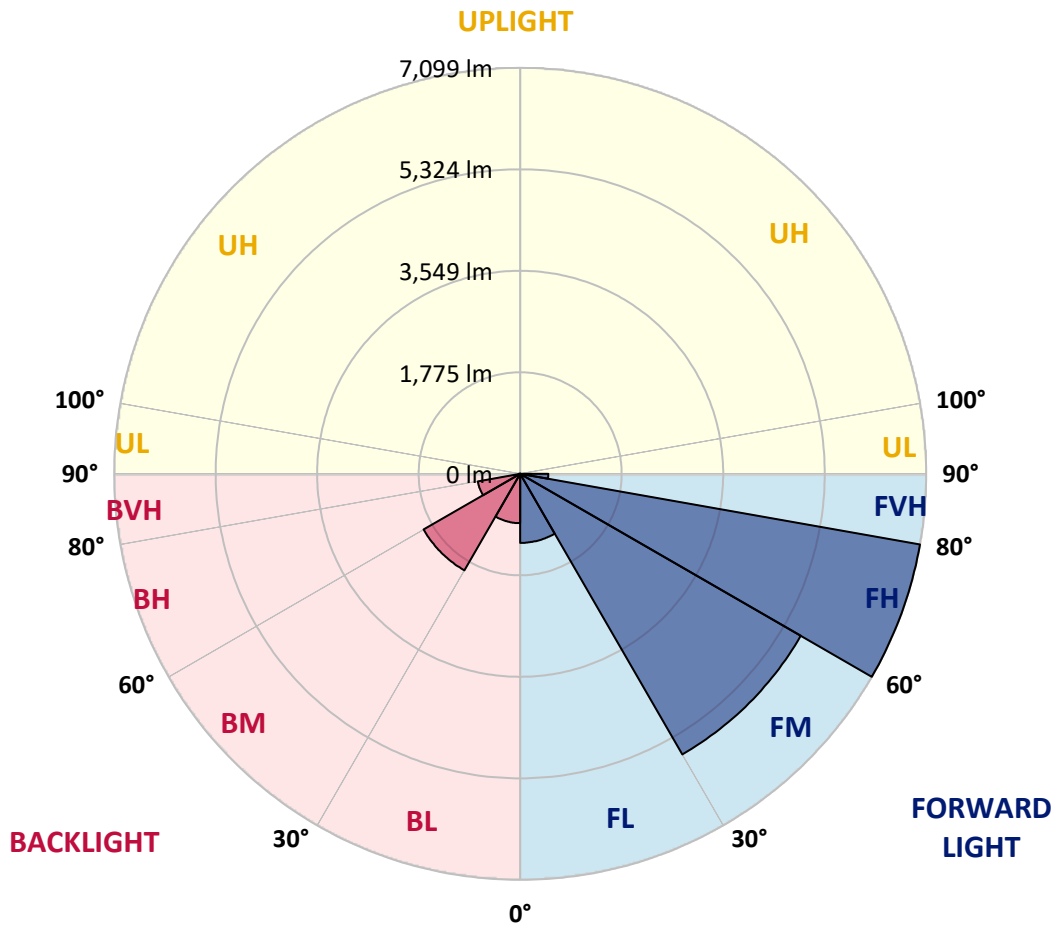
CATALOG NUMBER: GALN-SB6A-827-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1207.9	6.7			
FM (30°-60°)	5664.9	31.4			
FH (60°-80°)	7098.6	39.3			G3/7500
FVH (80°-90°)	492.4	2.7			G3/500
BL (0°-30°)	862.7	4.8	B2/1000		
BM (30°-60°)	1949.4	10.8	B2/2500		
BH (60°-80°)	751.8	4.2	B2/1000		G2/1000
BVH (80°-90°)	24.2	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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2.5°	2800.6	2821.7	2869.0	2893.8	2932.4	2934.9	2934.9	2901.3	2900.1	2831.7
5°	3130.1	3179.9	3291.8	3407.4	3432.3	3438.5	3426.1	3358.9	3309.2	3176.1
7.5°	3457.2	3552.9	3723.3	3877.5	3927.3	3927.3	3897.4	3788.0	3686.0	3493.3
10°	3728.3	3848.9	4080.2	4253.1	4310.3	4297.9	4236.9	4098.9	3958.4	3724.6
12.5°	3907.4	4042.9	4296.6	4435.9	4494.3	4462.0	4392.4	4258.1	4110.1	3863.8
15°	3996.9	4138.7	4358.8	4432.2	4416.0	4382.4	4373.7	4309.1	4197.1	3967.1
17.5°	4035.5	4167.3	4320.2	4274.2	4137.4	4111.3	4198.4	4280.5	4253.1	4056.6
20°	4071.5	4182.2	4228.2	4024.3	3785.5	3761.9	3928.5	4162.3	4281.7	4139.9
22.5°	4121.3	4189.7	4095.2	3760.6	3503.2	3448.5	3632.5	3984.5	4290.4	4245.6
25°	4189.7	4208.3	3948.4	3510.7	3252.0	3197.3	3368.9	3786.7	4275.5	4360.0
27.5°	4271.7	4233.2	3807.9	3301.7	3051.8	3000.8	3172.4	3596.5	4233.2	4474.5
30°	4378.7	4265.5	3668.6	3140.1	2908.8	2871.5	3036.9	3432.3	4181.0	4620.0
32.5°	4486.9	4279.2	3539.3	3045.6	2876.4	2890.1	3025.7	3344.0	4123.8	4759.2
35°	4603.8	4322.7	3475.8	3138.8	3146.3	3265.7	3321.6	3426.1	4115.1	4948.3
37.5°	4763.0	4419.7	3551.7	3602.7	3861.4	4108.8	4062.8	3827.8	4215.8	5230.6
40°	4991.8	4590.1	3882.5	4392.4	4923.4	5325.1	5149.7	4557.8	4524.2	5637.2
42.5°	5325.1	4861.2	4469.5	5357.4	6257.8	6919.4	6449.3	5499.2	5063.9	6218.0
45°	5817.5	5300.2	5179.6	6375.9	7903.0	8945.2	7967.7	6502.8	5820.0	7097.2
47.5°	6500.3	5945.6	5844.9	7449.1	9902.7	11250.8	9651.5	7433.0	6680.6	8296.0
50°	7406.8	6814.9	6475.4	8623.1	12095.2	13601.2	11334.1	8330.8	7666.8	9761.0
52.5°	8603.2	8027.4	7210.4	9741.1	14349.8	15901.8	13024.2	9119.3	8890.5	11461.0
55°	10234.8	9851.8	8215.2	10808.1	16603.2	18216.2	14648.3	9862.9	10507.1	13480.6
57.5°	12259.4	12532.9	9664.0	12045.5	18629.0	20601.4	16279.9	10902.6	12606.3	15738.9
60°	13565.1	16098.3	12438.4	13874.8	20930.9	23298.7	18515.9	12879.9	14812.5	16548.5
62.5°	13249.3	17232.5	15761.3	16210.3	23047.5	25259.9	20707.1	14865.9	15227.8	15355.9
65°	12280.5	16317.2	15083.6	16664.2	23583.5	25370.6	21292.8	14609.7	12917.2	12536.7
67.5°	10947.4	15231.5	13473.1	15460.4	22614.8	23823.5	20202.2	12923.4	9982.3	9407.8
70°	9508.5	14030.2	12416.0	14109.8	20768.0	21127.4	18348.0	11366.5	7342.2	6353.5
72.5°	8143.1	12779.2	11692.3	12725.7	18304.5	17560.8	15934.2	9989.8	5346.2	4582.6
75°	6746.5	10933.7	10661.3	11081.7	15064.9	13832.5	13239.3	8271.1	4195.9	3315.4
77.5°	5205.7	8543.5	9170.3	8874.3	10604.1	10274.6	10262.1	6215.5	3065.5	2212.4
80°	3562.9	5954.3	7164.3	6260.3	6882.1	6714.2	7728.9	4169.8	2223.5	1331.9
82.5°	2094.2	3625.1	4986.8	3030.6	3805.4	3906.1	4602.5	2028.3	1308.3	307.2
85°	849.4	1431.4	1950.0	1186.4	1835.5	1548.3	1747.2	569.6	364.4	7.5
87.5°	213.9	457.6	320.8	133.1	212.7	195.2	154.2	69.6	14.9	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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2499.6	0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2824.2	2.5°	2775.7	2747.1	2676.2	2605.3	2548.1	2471.0	2420.0	2359.1	2300.6	2248.4
3147.5	5°	3069.2	2974.7	2845.3	2727.2	2606.6	2489.7	2374.0	2252.1	2140.2	2071.8
3421.1	7.5°	3308.0	3141.3	2969.7	2819.2	2673.7	2536.9	2384.0	2236.0	2060.6	1967.4
3630.1	10°	3485.8	3266.9	3041.8	2869.0	2722.2	2589.2	2459.8	2310.6	2099.2	1982.3
3756.9	12.5°	3602.7	3342.8	3079.1	2881.4	2717.3	2614.0	2556.8	2498.4	2288.2	2151.4
3850.2	15°	3683.5	3396.3	3105.3	2852.8	2651.3	2575.5	2632.7	2699.8	2565.5	2407.6
3947.2	17.5°	3771.8	3465.9	3116.4	2775.7	2523.3	2490.9	2638.9	2794.4	2788.1	2631.4
4039.2	20°	3865.1	3526.8	3109.0	2651.3	2367.8	2396.4	2585.4	2765.8	2841.6	2757.0
4144.9	22.5°	3960.8	3585.3	3080.4	2489.7	2222.3	2311.8	2500.9	2658.8	2748.3	2722.2
4274.2	25°	4081.5	3667.4	3038.1	2315.6	2101.7	2226.0	2402.6	2530.7	2592.9	2591.7
4413.5	27.5°	4225.7	3776.8	3015.7	2175.0	2015.9	2129.0	2285.7	2400.1	2443.7	2443.7
4586.4	30°	4393.6	3906.1	2990.8	2083.0	1966.1	2028.3	2150.2	2262.1	2305.6	2305.6
4775.4	32.5°	4580.2	4030.5	2931.2	2027.1	1928.8	1930.1	2007.2	2109.1	2161.4	2168.8
5011.7	35°	4804.0	4163.6	2800.6	1982.3	1885.3	1834.3	1871.6	1956.2	2018.4	2034.5
5348.7	37.5°	5097.5	4326.5	2614.0	1916.4	1818.1	1733.6	1742.3	1806.9	1875.3	1900.2
5813.8	40°	5491.7	4518.0	2420.0	1821.9	1723.6	1622.9	1619.2	1666.4	1733.6	1760.9
6443.1	42.5°	6012.8	4748.0	2234.7	1731.1	1609.2	1506.0	1499.8	1537.1	1595.5	1624.1
7273.8	45°	6679.3	5030.3	2075.6	1660.2	1497.3	1395.3	1392.8	1423.9	1474.9	1504.7
8337.1	47.5°	7605.8	5312.6	1967.4	1622.9	1409.0	1304.5	1309.5	1336.9	1382.9	1404.0
9713.7	50°	8813.4	5398.4	1912.6	1622.9	1361.7	1223.7	1248.6	1271.0	1305.8	1318.2
11364.0	52.5°	9972.4	5114.9	1862.9	1632.8	1368.0	1155.3	1208.8	1224.9	1254.8	1259.8
12893.6	55°	10540.7	4397.3	1794.5	1635.3	1406.5	1096.9	1176.4	1206.3	1217.5	1216.2
13781.5	57.5°	10345.5	3555.4	1678.9	1625.4	1432.6	1059.5	1136.6	1193.9	1201.3	1190.1
13612.4	60°	9660.2	2617.8	1590.6	1552.0	1422.7	1048.3	1075.7	1166.5	1177.7	1162.8
12309.1	62.5°	8511.2	1816.9	1522.2	1390.3	1379.1	1044.6	980.0	1106.8	1134.2	1113.0
9894.0	65°	6700.5	1283.4	1310.7	1218.7	1284.6	1024.7	880.5	1034.7	1072.0	1039.6
7178.0	67.5°	4534.1	926.5	1062.0	1104.3	1131.7	980.0	808.3	952.6	1002.3	960.1
4606.3	70°	2448.6	650.4	701.4	930.2	961.3	902.8	743.7	869.3	926.5	880.5
3274.4	72.5°	1446.3	467.6	491.2	747.4	800.9	794.7	671.5	772.3	841.9	787.2
2259.6	75°	797.1	315.9	350.7	542.2	650.4	613.1	577.0	654.1	725.0	671.5
1416.5	77.5°	356.9	189.0	243.7	355.7	511.1	420.3	446.5	509.9	575.8	519.8
788.4	80°	138.0	105.7	161.7	194.0	371.8	232.6	287.3	375.6	422.8	378.1
171.6	82.5°	17.4	47.3	69.6	75.9	216.4	123.1	166.6	236.3	232.6	201.5
0.0	85°	0.0	8.7	9.9	5.0	93.3	44.8	54.7	77.1	72.1	54.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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°
2499.6	0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2238.5	2.5°	2177.5	2132.8	2110.4	2091.7	2109.1	2119.1	2119.1	2161.4	2186.2	2196.2
2028.3	5°	1918.9	1835.5	1779.6	1746.0	1757.2	1769.6	1783.3	1836.8	1872.9	1896.5
1882.8	7.5°	1714.9	1588.1	1509.7	1468.7	1474.9	1483.6	1494.8	1547.0	1583.1	1614.2
1855.4	10°	1614.2	1435.1	1331.9	1282.1	1273.4	1268.5	1264.7	1295.8	1323.2	1348.1
1967.4	12.5°	1619.2	1369.2	1243.6	1182.7	1156.5	1126.7	1103.1	1108.0	1125.5	1156.5
2167.6	15°	1682.6	1348.1	1197.6	1121.7	1078.2	1043.4	1014.8	1008.6	1014.8	1019.7
2396.4	17.5°	1768.4	1345.6	1157.8	1063.3	1018.5	989.9	963.8	955.1	956.3	962.5
2548.1	20°	1836.8	1338.1	1113.0	1007.3	967.5	942.6	916.5	907.8	910.3	911.6
2563.0	22.5°	1872.9	1326.9	1063.3	951.3	917.8	892.9	869.3	868.0	868.0	875.5
2482.2	25°	1872.9	1303.3	1018.5	897.9	868.0	845.6	817.0	822.0	824.5	834.5
2356.6	27.5°	1828.1	1258.5	982.4	851.9	820.8	798.4	772.3	778.5	782.2	793.4
2232.3	30°	1770.9	1205.0	941.4	808.3	772.3	756.1	733.7	736.2	741.2	753.6
2116.6	32.5°	1709.9	1141.6	907.8	764.8	728.7	716.3	691.4	695.2	700.1	713.8
2002.2	35°	1642.8	1067.0	868.0	725.0	689.0	679.0	650.4	652.9	660.3	675.3
1879.1	37.5°	1571.9	1006.1	828.2	686.5	649.2	639.2	609.4	611.8	620.6	638.0
1749.7	40°	1502.3	946.4	786.0	645.4	608.1	599.4	567.1	569.6	579.5	598.2
1619.2	42.5°	1426.4	900.4	731.2	603.1	563.3	554.6	524.8	528.5	539.7	558.4
1498.5	45°	1335.6	870.5	670.3	563.3	518.6	509.9	482.5	490.0	502.4	521.1
1395.3	47.5°	1242.4	858.1	619.3	521.1	472.6	465.1	442.7	455.2	468.8	483.8
1307.0	50°	1152.8	841.9	567.1	481.3	432.8	425.3	410.4	426.6	440.2	453.9
1243.6	52.5°	1050.8	807.1	519.8	446.5	399.2	396.7	389.2	404.2	416.6	429.0
1188.9	55°	945.1	751.1	478.8	415.4	370.6	373.1	369.3	381.8	391.7	402.9
1139.1	57.5°	853.1	680.2	446.5	381.8	345.7	353.2	348.2	354.4	360.6	374.3
1079.4	60°	759.8	595.7	410.4	342.0	320.8	329.6	315.9	314.6	317.1	320.8
991.1	62.5°	634.2	507.4	365.6	307.2	293.5	297.2	271.1	251.2	251.2	254.9
868.0	65°	509.9	425.3	315.9	267.4	256.2	253.7	216.4	189.0	186.5	197.7
725.0	67.5°	419.1	353.2	266.1	222.6	215.1	217.6	190.3	162.9	160.4	172.9
590.7	70°	347.0	284.8	212.7	171.6	179.1	190.3	162.9	136.8	133.1	144.3
480.0	72.5°	276.1	222.6	162.9	126.8	148.0	161.7	133.1	108.2	105.7	115.7
370.6	75°	202.7	159.2	110.7	92.0	114.4	126.8	97.0	77.1	73.4	82.1
247.5	77.5°	125.6	89.5	69.6	54.7	78.3	84.6	51.0	44.8	43.5	49.7
150.5	80°	58.4	38.6	33.6	18.7	28.6	33.6	21.1	23.6	24.9	29.8
75.9	82.5°	16.2	6.2	1.2	0.0	0.0	9.9	5.0	9.9	12.4	18.7
6.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2	11.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
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):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
2499.6	0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2265.8	2.5°	2318.1	2367.8	2447.4	2529.5	2610.3	2692.4	2772.0	2800.6
2004.7	5°	2102.9	2217.3	2375.3	2544.4	2718.5	2895.1	3056.8	3130.1
1734.8	7.5°	1862.9	2027.1	2264.6	2529.5	2806.8	3084.1	3339.1	3457.2
1467.4	10°	1606.7	1814.4	2085.5	2443.7	2841.6	3224.6	3575.3	3728.3
1232.4	12.5°	1363.0	1580.6	1880.3	2309.4	2814.3	3305.5	3727.1	3907.4
1067.0	15°	1159.0	1351.8	1675.1	2150.2	2726.0	3310.4	3799.2	3996.9
975.0	17.5°	1006.1	1131.7	1466.2	1973.6	2610.3	3264.4	3824.1	4035.5
925.2	20°	930.2	965.0	1195.1	1747.2	2502.1	3220.9	3848.9	4071.5
885.4	22.5°	885.4	894.1	977.5	1455.0	2372.8	3207.2	3892.4	4121.3
849.4	25°	849.4	851.9	874.2	1152.8	2175.0	3198.5	3959.6	4189.7
812.1	27.5°	813.3	813.3	825.7	929.0	1906.4	3161.2	4046.7	4271.7
774.8	30°	777.2	777.2	786.0	822.0	1591.8	3087.8	4151.1	4378.7
737.5	32.5°	739.9	739.9	747.4	773.5	1271.0	2995.8	4246.9	4486.9
698.9	35°	702.6	700.1	710.1	737.5	1011.0	2878.9	4342.6	4603.8
660.3	37.5°	662.8	661.6	671.5	702.6	873.0	2743.4	4414.8	4763.0
621.8	40°	620.6	620.6	631.7	665.3	833.2	2573.0	4529.2	4991.8
582.0	42.5°	582.0	579.5	592.0	633.0	803.4	2410.1	4734.4	5325.1
545.9	45°	544.7	539.7	550.9	601.9	751.1	2352.9	5117.4	5817.5
511.1	47.5°	509.9	497.4	507.4	564.6	703.9	2566.8	5744.2	6500.3
480.0	50°	481.3	457.6	466.3	527.3	667.8	3030.6	6557.5	7406.8
451.4	52.5°	451.4	420.3	425.3	481.3	635.5	3472.1	7439.2	8603.2
422.8	55°	420.3	385.5	388.0	435.3	589.5	3538.0	8299.7	10234.8
390.5	57.5°	385.5	353.2	353.2	393.0	555.9	3066.7	8961.3	12259.4
350.7	60°	347.0	325.8	319.6	359.4	585.7	2163.9	9038.4	13565.1
299.7	62.5°	304.7	293.5	284.8	327.1	608.1	1282.1	8417.9	13249.3
236.3	65°	256.2	253.7	247.5	359.4	512.4	757.3	7226.5	12280.5
201.5	67.5°	215.1	211.4	211.4	376.8	389.2	476.3	5645.9	10947.4
171.6	70°	185.3	171.6	171.6	284.8	236.3	329.6	3942.2	9508.5
141.8	72.5°	155.4	140.5	130.6	227.6	176.6	241.3	2463.6	8143.1
108.2	75°	124.4	113.2	100.7	150.5	131.8	182.8	1431.4	6746.5
68.4	77.5°	89.5	84.6	70.9	110.7	95.8	131.8	851.9	5205.7
42.3	80°	46.0	47.3	44.8	63.4	64.7	89.5	485.0	3562.9
27.4	82.5°	27.4	21.1	23.6	31.1	37.3	51.0	182.8	2094.2
19.9	85°	17.4	11.2	11.2	14.9	18.7	19.9	56.0	849.4
9.9	87.5°	8.7	3.7	5.0	7.5	6.2	5.0	2.5	213.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)