

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: P946604

Luminaire Tested: **GALN-SB2A-950-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946604  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB2A-950-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

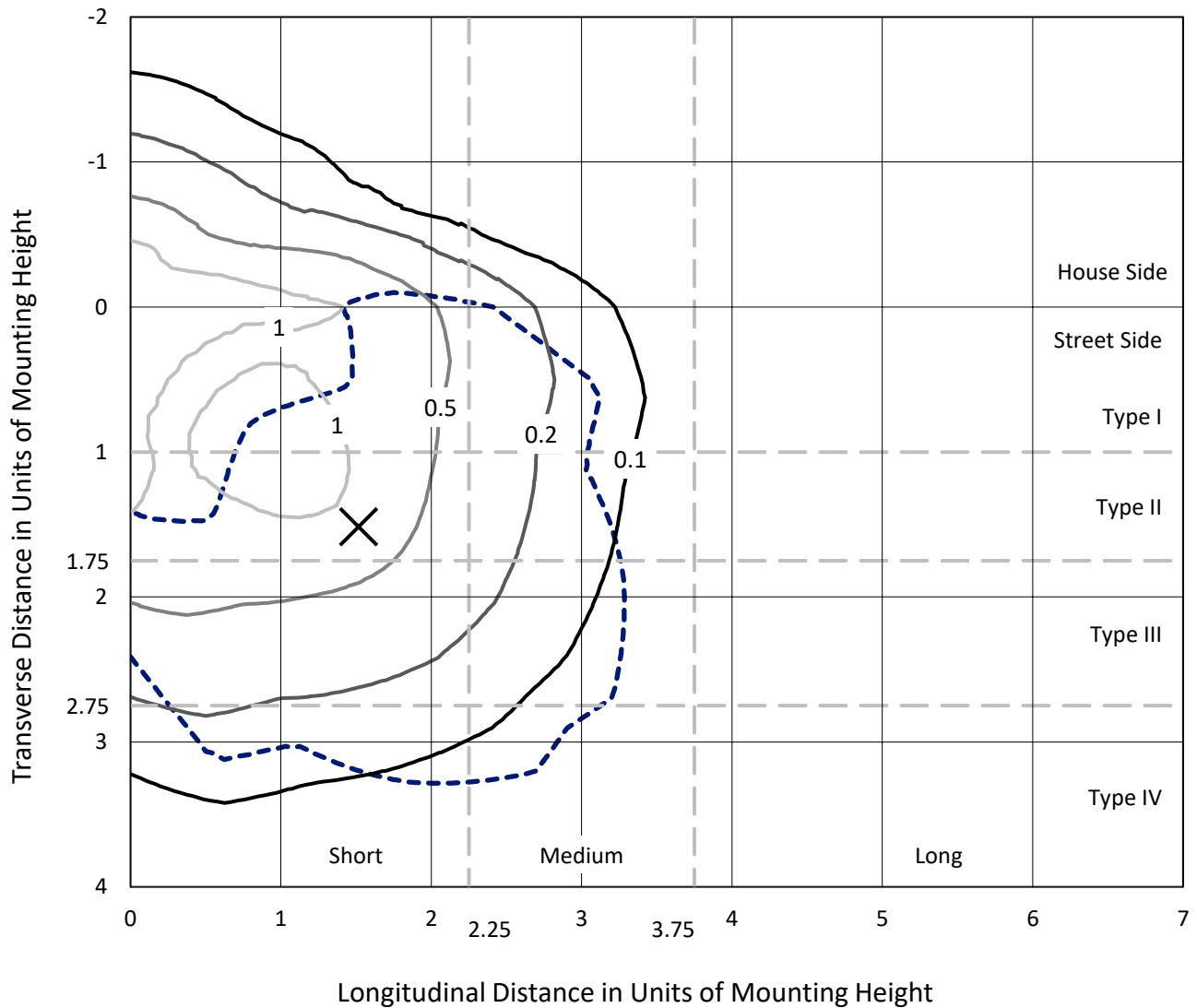
Lumens per Lamp: N/A  
Luminaire Lumens: 6218 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

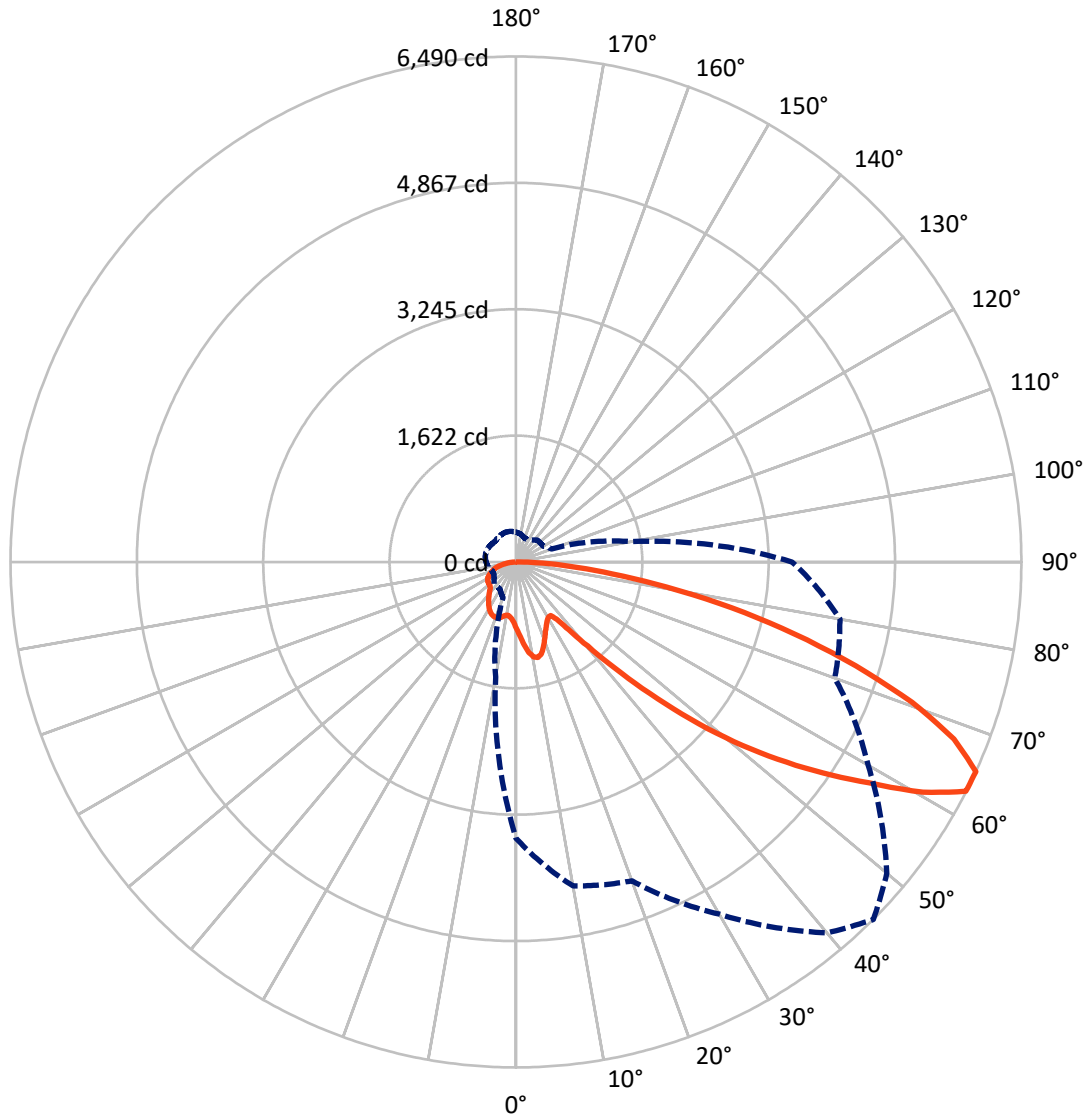
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	1580.3	0.0	1580.3
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	4637.7	0.0	4637.7
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	6218.0	0.0	6218.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.8	1.4
10°-20°	266.3	4.3
20°-30°	411.3	6.6
30°-40°	521.2	8.4
40°-50°	786.1	12.6
50°-60°	1270.1	20.4
60°-70°	1583.3	25.5
70°-80°	1038.3	16.7
80°-90°	256.7	4.1
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°	6218.0	100.0
0°-180°	6218.0	100.0

**Coefficient of Utilization**



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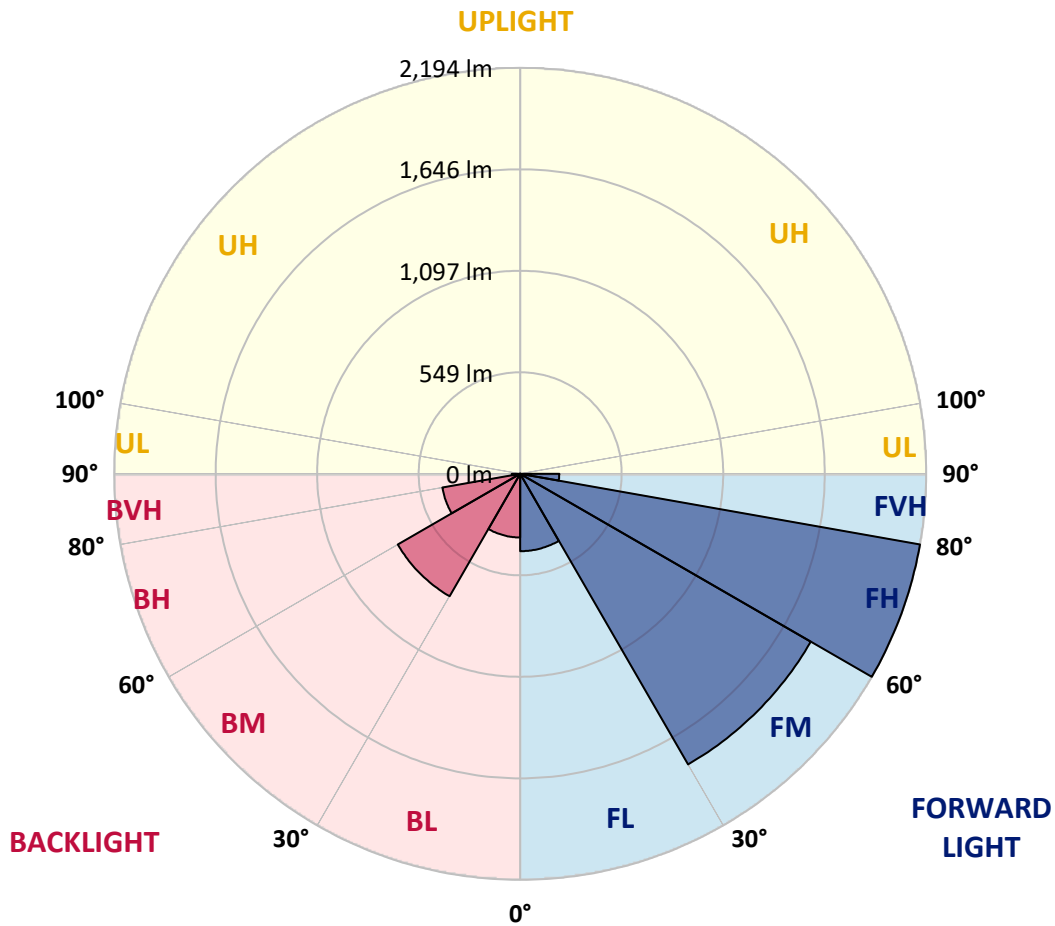
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.2	6.7			
FM (30°-60°)	1813.7	29.2			
FH (60°-80°)	2194.4	35.3			G2/5000
FVH (80°-90°)	211.5	3.4			G2/225
BL (0°-30°)	344.1	5.5	B1/500		
BM (30°-60°)	763.7	12.3	B1/1000		
BH (60°-80°)	427.2	6.9	B1/500		G1/500
BVH (80°-90°)	45.2	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
2.5°	919.5	923.0	926.5	931.4	936.4	939.4	942.3	943.8	945.3	944.6
5°	988.7	1000.9	1013.1	1025.2	1037.3	1043.9	1050.4	1054.4	1058.4	1061.4
7.5°	1058.3	1078.1	1097.9	1115.7	1133.5	1144.2	1155.0	1160.8	1166.6	1169.3
10°	1111.6	1135.0	1158.5	1179.4	1200.3	1212.9	1225.5	1231.2	1236.8	1238.9
12.5°	1144.2	1169.6	1195.0	1213.9	1232.7	1241.9	1251.1	1254.2	1257.3	1257.6
15°	1164.1	1186.0	1207.9	1219.7	1231.6	1231.9	1232.3	1229.0	1225.7	1221.8
17.5°	1175.3	1190.1	1204.8	1205.1	1205.3	1192.0	1178.7	1166.5	1154.3	1145.7
20°	1187.6	1192.7	1197.9	1182.3	1166.7	1137.4	1108.1	1086.7	1065.3	1052.2
22.5°	1201.8	1195.1	1188.3	1156.0	1123.7	1080.6	1037.5	1010.7	984.0	969.5
25°	1220.2	1198.9	1177.6	1128.5	1079.5	1027.1	974.7	946.6	918.6	904.9
27.5°	1245.1	1207.0	1168.9	1103.9	1039.0	981.0	922.9	895.3	867.7	854.7
30°	1278.8	1221.9	1165.1	1085.2	1005.2	944.7	884.2	858.6	833.0	820.9
32.5°	1318.5	1240.6	1162.8	1072.4	981.9	925.1	868.2	848.1	828.0	819.3
35°	1366.7	1271.4	1176.2	1081.9	987.7	948.2	908.8	904.1	899.4	898.7
37.5°	1447.9	1335.8	1223.7	1138.1	1052.5	1049.9	1047.4	1068.8	1090.3	1101.4
40°	1570.6	1448.7	1326.8	1263.2	1199.5	1244.4	1289.4	1341.5	1393.7	1419.7
42.5°	1733.4	1612.4	1491.5	1454.8	1418.1	1516.2	1614.2	1709.1	1804.0	1859.7
45°	1934.3	1825.7	1717.0	1700.8	1684.6	1841.7	1998.8	2154.7	2310.6	2405.3
47.5°	2185.6	2080.0	1974.2	1971.0	1967.7	2194.3	2420.8	2649.0	2877.3	3011.3
50°	2515.1	2384.5	2254.0	2254.5	2255.1	2547.1	2839.1	3140.4	3441.7	3623.9
52.5°	2893.2	2735.1	2577.1	2561.1	2545.1	2893.9	3242.7	3615.5	3988.2	4206.6
55°	3295.8	3139.6	2983.4	2921.1	2858.8	3247.0	3635.2	4079.6	4524.0	4783.7
57.5°	3661.9	3576.9	3491.8	3366.8	3241.9	3633.9	4025.9	4529.2	5032.6	5354.6
60°	3883.2	4015.3	4147.4	3992.3	3837.1	4208.0	4579.0	5117.9	5656.8	6004.9
62.5°	3770.9	4131.8	4492.7	4475.3	4457.7	4797.5	5137.4	5650.1	6162.9	6484.6
65°	3545.9	3884.7	4223.5	4290.5	4357.5	4789.3	5221.2	5718.4	6215.6	6489.5
67.5°	3244.6	3566.8	3889.0	3920.4	3951.8	4401.8	4851.7	5351.0	5850.4	6064.9
70°	2882.5	3233.0	3583.4	3597.5	3611.6	4013.9	4416.3	4846.0	5275.7	5394.9
72.5°	2451.1	2853.2	3255.4	3265.5	3275.6	3590.4	3905.2	4227.0	4548.8	4560.9
75°	1905.3	2321.5	2737.7	2775.1	2812.5	3057.4	3302.3	3528.9	3755.4	3694.7
77.5°	1361.3	1749.8	2138.4	2191.9	2245.4	2431.5	2617.7	2778.4	2939.1	2834.8
80°	891.0	1217.8	1544.7	1611.2	1677.6	1818.3	1958.8	2043.2	2127.6	1959.7
82.5°	517.9	741.4	964.9	1039.1	1113.4	1210.2	1307.0	1342.2	1377.4	1245.5
85°	227.9	346.5	465.1	528.2	591.4	670.9	750.4	770.4	790.4	684.7
87.5°	70.5	110.4	150.3	185.5	220.7	260.5	300.3	302.0	303.7	254.9
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):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
855.0	0°	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
945.3	2.5°	943.8	942.3	939.4	936.4	931.4	926.5	923.0	919.5	912.4	905.4
1058.4	5°	1054.4	1050.4	1043.9	1037.3	1025.2	1013.1	1000.9	988.7	973.1	957.6
1166.6	7.5°	1160.8	1155.0	1144.2	1133.5	1115.7	1097.9	1078.1	1058.3	1032.6	1006.9
1236.8	10°	1231.2	1225.5	1212.9	1200.3	1179.4	1158.5	1135.0	1111.6	1079.1	1046.6
1257.3	12.5°	1254.2	1251.1	1241.9	1232.7	1213.9	1195.0	1169.6	1144.2	1108.5	1072.8
1225.7	15°	1229.0	1232.3	1231.9	1231.6	1219.7	1207.9	1186.0	1164.1	1126.9	1089.6
1154.3	17.5°	1166.5	1178.7	1192.0	1205.3	1205.1	1204.8	1190.1	1175.3	1137.5	1099.7
1065.3	20°	1086.7	1108.1	1137.4	1166.7	1182.3	1197.9	1192.7	1187.6	1148.3	1109.0
984.0	22.5°	1010.7	1037.5	1080.6	1123.7	1156.0	1188.3	1195.1	1201.8	1161.7	1121.6
918.6	25°	946.6	974.7	1027.1	1079.5	1128.5	1177.6	1198.9	1220.2	1180.9	1141.6
867.7	27.5°	895.3	922.9	981.0	1039.0	1103.9	1168.9	1207.0	1245.1	1207.7	1170.2
833.0	30°	858.6	884.2	944.7	1005.2	1085.2	1165.1	1221.9	1278.8	1242.5	1206.4
828.0	32.5°	848.1	868.2	925.1	981.9	1072.4	1162.8	1240.6	1318.5	1282.6	1246.8
899.4	35°	904.1	908.8	948.2	987.7	1081.9	1176.2	1271.4	1366.7	1332.4	1298.0
1090.3	37.5°	1068.8	1047.4	1049.9	1052.5	1138.1	1223.7	1335.8	1447.9	1404.1	1360.4
1393.7	40°	1341.5	1289.4	1244.4	1199.5	1263.2	1326.8	1448.7	1570.6	1506.8	1443.0
1804.0	42.5°	1709.1	1614.2	1516.2	1418.1	1454.8	1491.5	1612.4	1733.4	1641.3	1549.2
2310.6	45°	2154.7	1998.8	1841.7	1684.6	1700.8	1717.0	1825.7	1934.3	1810.1	1685.9
2877.3	47.5°	2649.0	2420.8	2194.3	1967.7	1971.0	1974.2	2080.0	2185.6	2010.9	1836.0
3441.7	50°	3140.4	2839.1	2547.1	2255.1	2254.5	2254.0	2384.5	2515.1	2251.6	1988.0
3988.2	52.5°	3615.5	3242.7	2893.9	2545.1	2561.1	2577.1	2735.1	2893.2	2504.4	2115.6
4524.0	55°	4079.6	3635.2	3247.0	2858.8	2921.1	2983.4	3139.6	3295.8	2728.5	2161.4
5032.6	57.5°	4529.2	4025.9	3633.9	3241.9	3366.8	3491.8	3576.9	3661.9	2887.4	2112.9
5656.8	60°	5117.9	4579.0	4208.0	3837.1	3992.3	4147.4	4015.3	3883.2	2927.1	1971.0
6162.9	62.5°	5650.1	5137.4	4797.5	4457.7	4475.3	4492.7	4131.8	3770.9	2759.9	1749.0
6215.6	65°	5718.4	5221.2	4789.3	4357.5	4290.5	4223.5	3884.7	3545.9	2523.4	1500.9
5850.4	67.5°	5351.0	4851.7	4401.8	3951.8	3920.4	3889.0	3566.8	3244.6	2241.9	1239.3
5275.7	70°	4846.0	4416.3	4013.9	3611.6	3597.5	3583.4	3233.0	2882.5	1934.8	987.1
4548.8	72.5°	4227.0	3905.2	3590.4	3275.6	3265.5	3255.4	2853.2	2451.1	1601.8	752.7
3755.4	75°	3528.9	3302.3	3057.4	2812.5	2775.1	2737.7	2321.5	1905.3	1220.2	535.1
2939.1	77.5°	2778.4	2617.7	2431.5	2245.4	2191.9	2138.4	1749.8	1361.3	854.0	346.7
2127.6	80°	2043.2	1958.8	1818.3	1677.6	1611.2	1544.7	1217.8	891.0	550.2	209.5
1377.4	82.5°	1342.2	1307.0	1210.2	1113.4	1039.1	964.9	741.4	517.9	318.5	119.0
790.4	85°	770.4	750.4	670.9	591.4	528.2	465.1	346.5	227.9	143.2	58.7
303.7	87.5°	302.0	300.3	260.5	220.7	185.5	150.3	110.4	70.5	46.9	23.3
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
855.0	0°	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
897.9	2.5°	890.4	882.9	875.3	868.1	860.9	853.9	846.1	839.8	833.5	827.9
942.0	5°	926.5	910.8	895.2	880.6	866.0	852.2	838.6	826.7	814.8	804.9
983.1	7.5°	959.4	936.2	913.1	892.7	872.4	853.6	835.9	820.1	804.3	791.2
1015.2	10°	983.8	955.7	927.6	903.5	879.4	856.2	837.2	820.6	803.9	790.8
1037.3	12.5°	1001.7	968.6	935.4	908.1	880.9	856.5	838.9	825.2	811.7	802.9
1051.0	15°	1012.5	974.3	936.1	904.6	873.0	846.0	831.9	825.4	818.9	820.1
1057.6	17.5°	1015.5	971.2	926.9	889.0	851.0	819.3	810.6	813.0	815.3	829.6
1062.8	20°	1016.5	962.8	909.2	862.1	815.1	778.1	775.8	786.9	798.1	822.9
1069.7	22.5°	1017.8	952.5	887.2	830.6	773.9	731.8	736.3	752.8	769.3	797.7
1082.3	25°	1023.0	942.4	861.8	795.4	729.0	685.9	698.0	717.1	736.1	761.6
1102.0	27.5°	1033.8	935.6	837.3	763.2	689.1	649.8	664.6	682.9	701.3	722.3
1127.5	30°	1048.7	932.4	816.1	736.3	656.5	623.6	635.1	649.7	664.3	681.7
1154.1	32.5°	1061.5	928.5	795.4	713.1	630.8	604.2	609.3	618.0	626.6	640.5
1184.4	35°	1070.9	921.0	771.3	690.3	609.3	587.1	585.0	587.4	589.8	600.4
1218.4	37.5°	1076.4	908.3	740.3	663.5	586.6	567.3	559.5	556.9	554.2	561.8
1261.5	40°	1079.9	890.9	701.8	631.4	561.1	543.5	531.5	525.6	519.6	525.1
1317.9	42.5°	1086.6	872.8	659.1	596.1	533.1	516.9	501.8	494.0	486.1	490.5
1392.1	45°	1098.3	856.0	613.8	558.6	503.3	486.9	472.3	464.6	457.0	460.7
1471.2	47.5°	1106.4	842.2	578.0	528.9	479.7	458.5	446.0	439.5	433.1	436.6
1544.6	50°	1101.1	827.1	553.1	509.1	465.2	437.4	422.8	417.0	411.4	416.9
1592.2	52.5°	1068.8	801.6	534.5	496.2	457.9	425.9	405.5	399.8	394.2	402.5
1581.7	55°	1002.0	759.4	516.7	486.7	456.8	427.0	396.3	387.4	378.5	390.2
1507.8	57.5°	902.8	699.8	496.7	475.6	454.4	428.2	390.8	377.8	364.8	377.4
1370.3	60°	769.7	622.4	475.2	458.5	441.9	424.6	385.6	368.8	351.9	363.0
1184.4	62.5°	619.7	529.8	439.9	428.9	417.8	415.7	379.5	358.5	337.5	344.5
994.7	65°	488.5	446.5	404.5	399.3	394.1	394.4	366.8	344.4	322.0	324.8
808.8	67.5°	378.4	366.5	354.5	357.4	360.3	359.6	344.1	325.5	306.8	306.0
636.8	70°	286.6	290.0	293.4	306.9	320.4	320.4	315.3	302.0	288.8	285.8
486.9	72.5°	221.1	231.3	241.6	260.8	279.9	283.2	283.2	274.1	265.0	260.7
353.4	75°	171.7	181.0	190.3	211.8	233.2	248.0	246.8	239.8	232.8	228.7
239.4	77.5°	132.2	138.5	144.9	165.7	186.5	211.0	210.3	204.7	199.1	194.9
154.3	80°	99.1	101.7	104.3	122.0	139.6	168.8	168.7	164.0	159.3	155.8
94.9	82.5°	70.8	71.3	71.8	84.8	97.8	122.7	124.1	121.8	119.5	117.0
50.7	85°	42.8	42.6	42.3	51.8	61.4	79.9	81.7	79.2	76.8	74.0
21.0	87.5°	18.8	18.5	18.3	22.2	26.1	33.8	36.1	35.1	34.1	33.6
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
855.0	0°	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
822.2	2.5°	817.3	812.3	807.3	802.4	798.5	794.7	791.5	788.4	786.0	783.6
794.9	5°	786.1	777.3	769.4	761.4	755.2	749.1	744.8	740.5	737.4	734.4
778.1	7.5°	767.0	755.9	746.2	736.4	729.1	721.8	716.7	711.6	708.1	704.6
777.7	10°	765.8	753.8	742.8	731.8	723.1	714.3	708.6	702.9	699.5	696.2
794.3	12.5°	784.9	775.6	764.2	752.8	741.7	730.5	723.1	715.8	712.0	708.4
821.2	15°	818.8	816.4	806.5	796.6	780.7	764.9	753.6	742.4	737.3	732.2
843.9	17.5°	851.6	859.1	851.2	843.2	822.2	801.2	784.6	768.1	760.5	752.8
847.8	20°	863.7	879.6	876.0	872.3	848.2	824.2	803.9	783.7	773.9	764.1
826.1	22.5°	846.8	867.5	869.7	871.9	849.0	826.0	805.1	784.2	774.0	763.7
787.1	25°	807.5	827.9	835.5	843.1	824.2	805.4	786.8	768.3	759.4	750.5
743.2	27.5°	759.6	775.9	784.4	792.9	779.4	766.0	751.6	737.2	731.3	725.3
699.1	30°	712.7	726.2	733.1	740.0	729.8	719.6	709.3	698.9	695.9	692.8
654.4	32.5°	667.4	680.4	688.1	695.7	686.4	676.9	668.7	660.5	658.5	656.5
610.9	35°	623.8	636.7	645.9	655.1	648.4	641.7	634.1	626.5	623.5	620.4
569.4	37.5°	582.2	595.1	606.5	617.8	614.7	611.6	604.7	597.6	592.1	586.6
530.6	40°	543.0	555.4	568.5	581.6	582.3	583.0	577.1	571.2	563.1	555.1
495.0	42.5°	506.8	518.6	532.7	546.8	550.6	554.3	549.3	544.3	534.3	524.3
464.5	45°	475.7	486.8	501.5	516.1	521.5	526.9	522.4	517.9	506.5	495.0
440.1	47.5°	451.1	462.0	476.4	490.8	497.1	503.3	500.2	497.0	486.8	476.7
422.4	50°	432.7	443.0	455.9	468.9	476.9	484.9	484.7	484.5	476.4	468.3
410.8	52.5°	420.2	429.6	441.7	453.8	463.2	472.7	474.4	476.1	469.5	462.9
402.0	55°	412.2	422.3	432.9	443.4	453.5	463.5	465.9	468.3	462.5	456.7
390.1	57.5°	402.1	414.0	424.4	434.9	445.0	455.1	457.5	459.9	454.1	448.3
374.1	60°	387.8	401.5	412.1	422.8	432.9	443.1	445.7	448.3	442.6	437.0
351.6	62.5°	367.5	383.5	394.9	406.2	415.5	424.8	427.4	429.9	424.7	419.6
327.4	65°	344.6	361.7	372.6	383.4	391.6	399.8	402.4	404.9	400.0	395.0
305.1	67.5°	320.9	336.8	347.1	357.3	364.4	371.5	374.0	376.5	371.9	367.4
282.9	70°	296.8	310.7	319.6	328.4	334.8	341.2	343.7	346.1	342.4	338.7
256.4	72.5°	267.4	278.3	286.3	294.3	300.6	306.8	309.7	312.6	309.5	306.4
224.5	75°	232.6	240.8	248.0	255.3	261.0	266.7	269.7	272.7	271.2	269.7
190.7	77.5°	197.3	203.9	210.1	216.4	222.4	228.4	231.2	234.0	231.9	229.7
152.2	80°	157.8	163.2	168.5	173.7	178.3	182.8	186.6	190.3	189.4	188.5
114.5	82.5°	114.0	113.6	111.8	109.9	119.6	129.3	135.7	142.1	141.7	141.2
71.2	85°	68.8	66.4	61.4	56.3	65.4	74.5	82.4	90.2	89.6	88.9
33.1	87.5°	33.0	32.9	29.0	25.1	28.9	32.7	35.9	39.1	38.3	37.5
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
855.0	0°	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
781.3	2.5°	779.1	776.3	779.1	781.3	783.6	786.0	788.4	791.5	794.7	798.5
732.0	5°	729.7	727.4	729.7	732.0	734.4	737.4	740.5	744.8	749.1	755.2
702.5	7.5°	700.4	698.9	700.4	702.5	704.6	708.1	711.6	716.7	721.8	729.1
694.5	10°	692.7	692.0	692.7	694.5	696.2	699.5	702.9	708.6	714.3	723.1
706.9	12.5°	705.3	705.1	705.3	706.9	708.4	712.0	715.8	723.1	730.5	741.7
730.2	15°	728.2	728.1	728.2	730.2	732.2	737.3	742.4	753.6	764.9	780.7
750.3	17.5°	747.8	747.4	747.8	750.3	752.8	760.5	768.1	784.6	801.2	822.2
761.0	20°	757.9	756.9	757.9	761.0	764.1	773.9	783.7	803.9	824.2	848.2
760.2	22.5°	756.8	755.3	756.8	760.2	763.7	774.0	784.2	805.1	826.0	849.0
747.3	25°	744.1	742.2	744.1	747.3	750.5	759.4	768.3	786.8	805.4	824.2
723.8	27.5°	722.3	721.8	722.3	723.8	725.3	731.3	737.2	751.6	766.0	779.4
692.8	30°	692.8	693.3	692.8	692.8	692.8	695.9	698.9	709.3	719.6	729.8
656.7	32.5°	657.0	657.5	657.0	656.7	656.5	658.5	660.5	668.7	676.9	686.4
619.8	35°	619.1	618.8	619.1	619.8	620.4	623.5	626.5	634.1	641.7	648.4
583.7	37.5°	580.7	579.1	580.7	583.7	586.6	592.1	597.6	604.7	611.6	614.7
549.6	40°	544.3	541.0	544.3	549.6	555.1	563.1	571.2	577.1	583.0	582.3
516.4	42.5°	508.5	503.3	508.5	516.4	524.3	534.3	544.3	549.3	554.3	550.6
485.8	45°	476.5	470.5	476.5	485.8	495.0	506.5	517.9	522.4	526.9	521.5
468.1	47.5°	459.5	453.8	459.5	468.1	476.7	486.8	497.0	500.2	503.3	497.1
460.3	50°	452.4	446.9	452.4	460.3	468.3	476.4	484.5	484.7	484.9	476.9
455.8	52.5°	448.7	443.6	448.7	455.8	462.9	469.5	476.1	474.4	472.7	463.2
450.5	55°	444.2	439.7	444.2	450.5	456.7	462.5	468.3	465.9	463.5	453.5
442.1	57.5°	435.9	431.1	435.9	442.1	448.3	454.1	459.9	457.5	455.1	445.0
430.6	60°	424.2	419.3	424.2	430.6	437.0	442.6	448.3	445.7	443.1	432.9
412.9	62.5°	406.2	400.3	406.2	412.9	419.6	424.7	429.9	427.4	424.8	415.5
388.5	65°	382.1	377.0	382.1	388.5	395.0	400.0	404.9	402.4	399.8	391.6
361.4	67.5°	355.3	350.7	355.3	361.4	367.4	371.9	376.5	374.0	371.5	364.4
332.9	70°	327.1	321.9	327.1	332.9	338.7	342.4	346.1	343.7	341.2	334.8
300.9	72.5°	295.5	290.4	295.5	300.9	306.4	309.5	312.6	309.7	306.8	300.6
265.1	75°	260.4	255.6	260.4	265.1	269.7	271.2	272.7	269.7	266.7	261.0
225.1	77.5°	220.4	216.5	220.4	225.1	229.7	231.9	234.0	231.2	228.4	222.4
182.2	80°	175.9	168.6	175.9	182.2	188.5	189.4	190.3	186.6	182.8	178.3
136.0	82.5°	130.6	126.0	130.6	136.0	141.2	141.7	142.1	135.7	129.3	119.6
84.8	85°	80.6	76.4	80.6	84.8	88.9	89.6	90.2	82.4	74.5	65.4
35.4	87.5°	33.2	31.2	33.2	35.4	37.5	38.3	39.1	35.9	32.7	28.9
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
855.0	0°	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
802.4	2.5°	807.3	812.3	817.3	822.2	827.9	833.5	839.8	846.1	853.9	860.9
761.4	5°	769.4	777.3	786.1	794.9	804.9	814.8	826.7	838.6	852.2	866.0
736.4	7.5°	746.2	755.9	767.0	778.1	791.2	804.3	820.1	835.9	853.6	872.4
731.8	10°	742.8	753.8	765.8	777.7	790.8	803.9	820.6	837.2	856.2	879.4
752.8	12.5°	764.2	775.6	784.9	794.3	802.9	811.7	825.2	838.9	856.5	880.9
796.6	15°	806.5	816.4	818.8	821.2	820.1	818.9	825.4	831.9	846.0	873.0
843.2	17.5°	851.2	859.1	851.6	843.9	829.6	815.3	813.0	810.6	819.3	851.0
872.3	20°	876.0	879.6	863.7	847.8	822.9	798.1	786.9	775.8	778.1	815.1
871.9	22.5°	869.7	867.5	846.8	826.1	797.7	769.3	752.8	736.3	731.8	773.9
843.1	25°	835.5	827.9	807.5	787.1	761.6	736.1	717.1	698.0	685.9	729.0
792.9	27.5°	784.4	775.9	759.6	743.2	722.3	701.3	682.9	664.6	649.8	689.1
740.0	30°	733.1	726.2	712.7	699.1	681.7	664.3	649.7	635.1	623.6	656.5
695.7	32.5°	688.1	680.4	667.4	654.4	640.5	626.6	618.0	609.3	604.2	630.8
655.1	35°	645.9	636.7	623.8	610.9	600.4	589.8	587.4	585.0	587.1	609.3
617.8	37.5°	606.5	595.1	582.2	569.4	561.8	554.2	556.9	559.5	567.3	586.6
581.6	40°	568.5	555.4	543.0	530.6	525.1	519.6	525.6	531.5	543.5	561.1
546.8	42.5°	532.7	518.6	506.8	495.0	490.5	486.1	494.0	501.8	516.9	533.1
516.1	45°	501.5	486.8	475.7	464.5	460.7	457.0	464.6	472.3	486.9	503.3
490.8	47.5°	476.4	462.0	451.1	440.1	436.6	433.1	439.5	446.0	458.5	479.7
468.9	50°	455.9	443.0	432.7	422.4	416.9	411.4	417.0	422.8	437.4	465.2
453.8	52.5°	441.7	429.6	420.2	410.8	402.5	394.2	399.8	405.5	425.9	457.9
443.4	55°	432.9	422.3	412.2	402.0	390.2	378.5	387.4	396.3	427.0	456.8
434.9	57.5°	424.4	414.0	402.1	390.1	377.4	364.8	377.8	390.8	428.2	454.4
422.8	60°	412.1	401.5	387.8	374.1	363.0	351.9	368.8	385.6	424.6	441.9
406.2	62.5°	394.9	383.5	367.5	351.6	344.5	337.5	358.5	379.5	415.7	417.8
383.4	65°	372.6	361.7	344.6	327.4	324.8	322.0	344.4	366.8	394.4	394.1
357.3	67.5°	347.1	336.8	320.9	305.1	306.0	306.8	325.5	344.1	359.6	360.3
328.4	70°	319.6	310.7	296.8	282.9	285.8	288.8	302.0	315.3	320.4	320.4
294.3	72.5°	286.3	278.3	267.4	256.4	260.7	265.0	274.1	283.2	283.2	279.9
255.3	75°	248.0	240.8	232.6	224.5	228.7	232.8	239.8	246.8	248.0	233.2
216.4	77.5°	210.1	203.9	197.3	190.7	194.9	199.1	204.7	210.3	211.0	186.5
173.7	80°	168.5	163.2	157.8	152.2	155.8	159.3	164.0	168.7	168.8	139.6
109.9	82.5°	111.8	113.6	114.0	114.5	117.0	119.5	121.8	124.1	122.7	97.8
56.3	85°	61.4	66.4	68.8	71.2	74.0	76.8	79.2	81.7	79.9	61.4
25.1	87.5°	29.0	32.9	33.0	33.1	33.6	34.1	35.1	36.1	33.8	26.1
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):**

325°		330°	335°	340°	345°	350°	355°	360°
855.0	0°	855.0	855.0	855.0	855.0	855.0	855.0	855.0
868.1	2.5°	875.3	882.9	890.4	897.9	905.4	912.4	919.5
880.6	5°	895.2	910.8	926.5	942.0	957.6	973.1	988.7
892.7	7.5°	913.1	936.2	959.4	983.1	1006.9	1032.6	1058.3
903.5	10°	927.6	955.7	983.8	1015.2	1046.6	1079.1	1111.6
908.1	12.5°	935.4	968.6	1001.7	1037.3	1072.8	1108.5	1144.2
904.6	15°	936.1	974.3	1012.5	1051.0	1089.6	1126.9	1164.1
889.0	17.5°	926.9	971.2	1015.5	1057.6	1099.7	1137.5	1175.3
862.1	20°	909.2	962.8	1016.5	1062.8	1109.0	1148.3	1187.6
830.6	22.5°	887.2	952.5	1017.8	1069.7	1121.6	1161.7	1201.8
795.4	25°	861.8	942.4	1023.0	1082.3	1141.6	1180.9	1220.2
763.2	27.5°	837.3	935.6	1033.8	1102.0	1170.2	1207.7	1245.1
736.3	30°	816.1	932.4	1048.7	1127.5	1206.4	1242.5	1278.8
713.1	32.5°	795.4	928.5	1061.5	1154.1	1246.8	1282.6	1318.5
690.3	35°	771.3	921.0	1070.9	1184.4	1298.0	1332.4	1366.7
663.5	37.5°	740.3	908.3	1076.4	1218.4	1360.4	1404.1	1447.9
631.4	40°	701.8	890.9	1079.9	1261.5	1443.0	1506.8	1570.6
596.1	42.5°	659.1	872.8	1086.6	1317.9	1549.2	1641.3	1733.4
558.6	45°	613.8	856.0	1098.3	1392.1	1685.9	1810.1	1934.3
528.9	47.5°	578.0	842.2	1106.4	1471.2	1836.0	2010.9	2185.6
509.1	50°	553.1	827.1	1101.1	1544.6	1988.0	2251.6	2515.1
496.2	52.5°	534.5	801.6	1068.8	1592.2	2115.6	2504.4	2893.2
486.7	55°	516.7	759.4	1002.0	1581.7	2161.4	2728.5	3295.8
475.6	57.5°	496.7	699.8	902.8	1507.8	2112.9	2887.4	3661.9
458.5	60°	475.2	622.4	769.7	1370.3	1971.0	2927.1	3883.2
428.9	62.5°	439.9	529.8	619.7	1184.4	1749.0	2759.9	3770.9
399.3	65°	404.5	446.5	488.5	994.7	1500.9	2523.4	3545.9
357.4	67.5°	354.5	366.5	378.4	808.8	1239.3	2241.9	3244.6
306.9	70°	293.4	290.0	286.6	636.8	987.1	1934.8	2882.5
260.8	72.5°	241.6	231.3	221.1	486.9	752.7	1601.8	2451.1
211.8	75°	190.3	181.0	171.7	353.4	535.1	1220.2	1905.3
165.7	77.5°	144.9	138.5	132.2	239.4	346.7	854.0	1361.3
122.0	80°	104.3	101.7	99.1	154.3	209.5	550.2	891.0
84.8	82.5°	71.8	71.3	70.8	94.9	119.0	318.5	517.9
51.8	85°	42.3	42.6	42.8	50.7	58.7	143.2	227.9
22.2	87.5°	18.3	18.5	18.8	21.0	23.3	46.9	70.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)