

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: P945428

Luminaire Tested: **GALN-SB1B-850-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945428  
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-SB1B-850-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

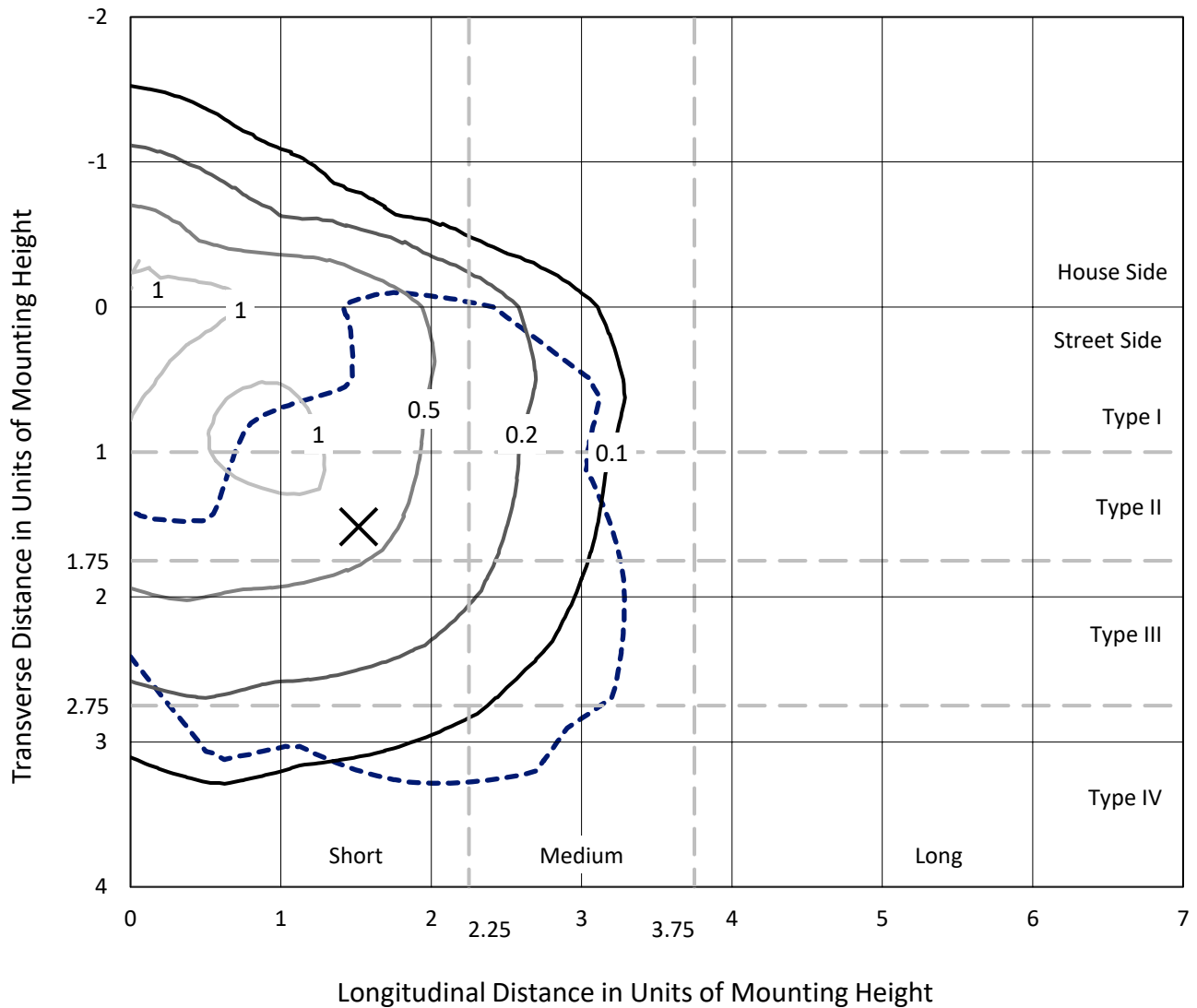
Lumens per Lamp: N/A  
Luminaire Lumens: 5369 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

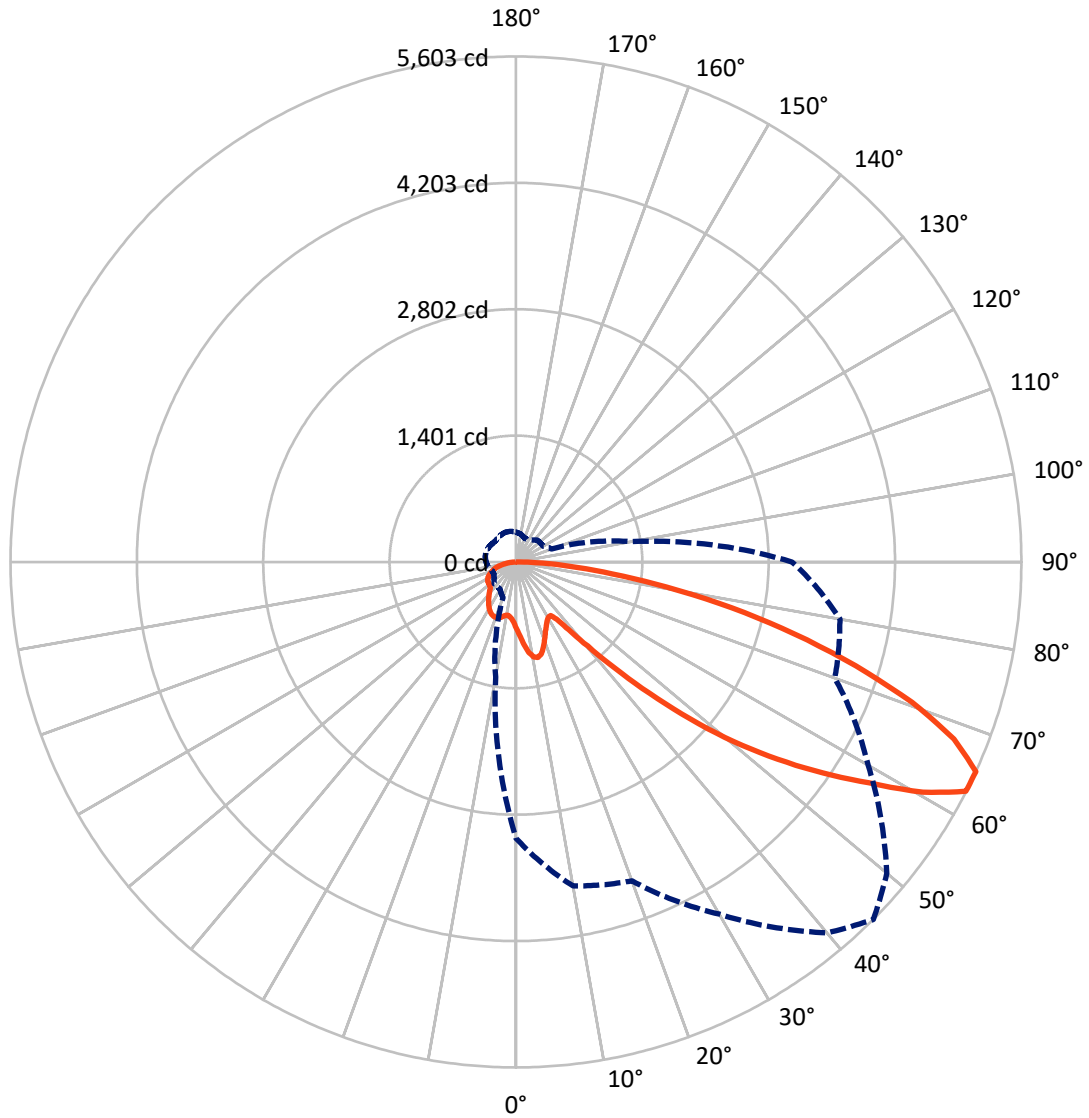
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	1364.5	0.0	1364.5
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	4004.5	0.0	4004.5
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	5369.0	0.0	5369.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	1.4
10°-20°	229.9	4.3
20°-30°	355.1	6.6
30°-40°	450.0	8.4
40°-50°	678.8	12.6
50°-60°	1096.6	20.4
60°-70°	1367.1	25.5
70°-80°	896.5	16.7
80°-90°	221.6	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°	5369.0	100.0
0°-180°	5369.0	100.0

**Coefficient of Utilization**



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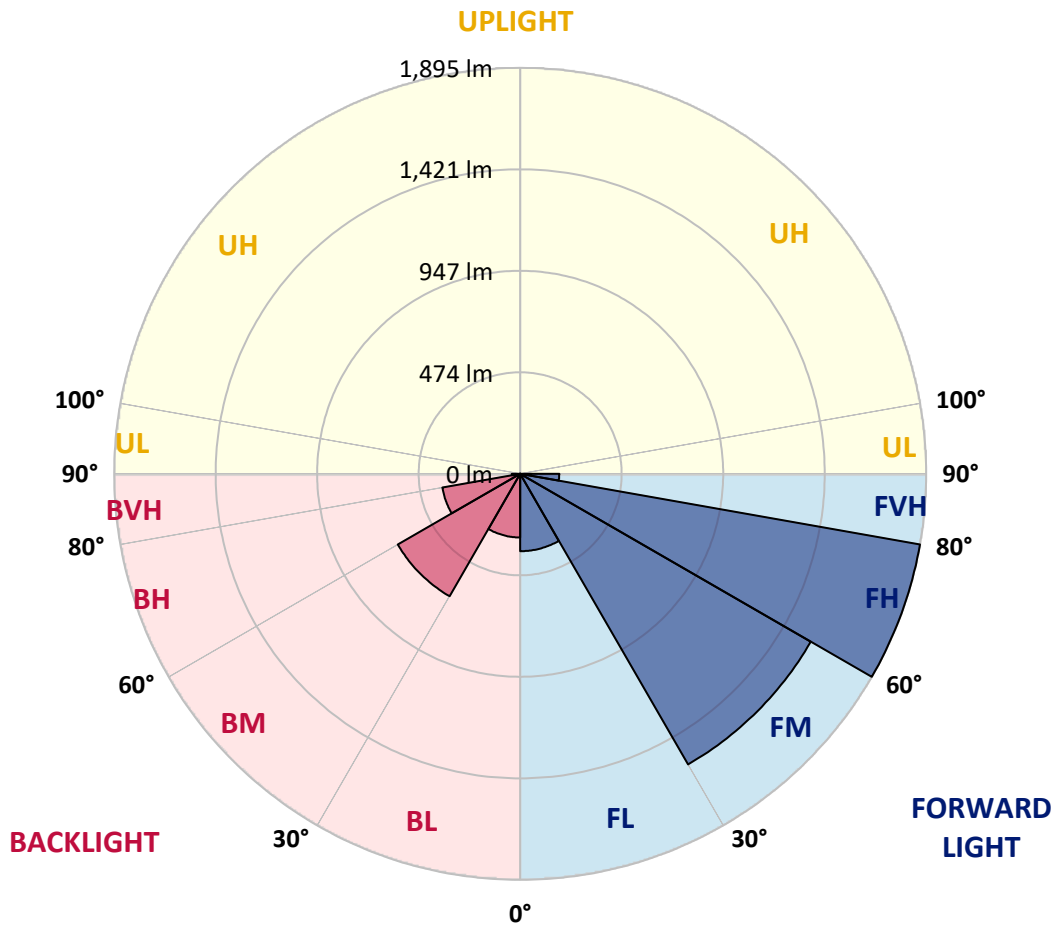
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.1	6.7			
FM (30°-60°)	1566.0	29.2			
FH (60°-80°)	1894.7	35.3			G2/5000
FVH (80°-90°)	182.6	3.4			G2/225
BL (0°-30°)	297.1	5.5	B1/500		
BM (30°-60°)	659.4	12.3	B1/1000		
BH (60°-80°)	368.9	6.9	B1/500		G1/500
BVH (80°-90°)	39.1	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°	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3
2.5°	794.0	797.0	800.0	804.3	808.5	811.1	813.6	814.9	816.2	815.6
5°	853.7	864.2	874.8	885.2	895.7	901.3	907.0	910.4	913.9	916.5
7.5°	913.8	930.9	948.0	963.4	978.8	988.0	997.3	1002.3	1007.3	1009.7
10°	959.8	980.1	1000.3	1018.3	1036.4	1047.3	1058.2	1063.1	1067.9	1069.7
12.5°	988.0	1009.9	1031.8	1048.2	1064.4	1072.4	1080.3	1082.9	1085.6	1085.9
15°	1005.2	1024.1	1043.0	1053.2	1063.5	1063.7	1064.0	1061.2	1058.4	1055.0
17.5°	1014.8	1027.6	1040.3	1040.5	1040.7	1029.2	1017.8	1007.3	996.7	989.3
20°	1025.4	1029.9	1034.3	1020.9	1007.4	982.1	956.8	938.3	919.9	908.5
22.5°	1037.7	1031.9	1026.1	998.2	970.3	933.1	895.8	872.7	849.7	837.2
25°	1053.6	1035.2	1016.8	974.4	932.1	886.9	841.6	817.4	793.2	781.3
27.5°	1075.1	1042.2	1009.3	953.2	897.2	847.0	796.9	773.0	749.2	738.0
30°	1104.2	1055.1	1006.0	937.0	868.0	815.7	763.5	741.4	719.2	708.8
32.5°	1138.4	1071.2	1004.0	925.9	847.9	798.8	749.7	732.3	714.9	707.4
35°	1180.1	1097.8	1015.6	934.2	852.9	818.8	784.7	780.6	776.6	776.0
37.5°	1250.2	1153.4	1056.7	982.7	908.8	906.6	904.4	922.9	941.4	951.0
40°	1356.2	1250.9	1145.7	1090.7	1035.7	1074.5	1113.3	1158.4	1203.4	1225.8
42.5°	1496.7	1392.3	1287.8	1256.2	1224.5	1309.1	1393.8	1475.7	1557.6	1605.8
45°	1670.2	1576.4	1482.6	1468.6	1454.6	1590.2	1725.9	1860.5	1995.2	2076.9
47.5°	1887.2	1796.0	1704.7	1701.8	1699.0	1894.7	2090.3	2287.3	2484.4	2600.1
50°	2171.6	2058.9	1946.2	1946.7	1947.2	2199.3	2451.5	2711.6	2971.8	3129.1
52.5°	2498.2	2361.7	2225.2	2211.4	2197.6	2498.7	2799.9	3121.8	3443.7	3632.2
55°	2845.8	2710.9	2576.1	2522.3	2468.5	2803.7	3138.8	3522.6	3906.3	4130.5
57.5°	3161.9	3088.5	3015.0	2907.1	2799.2	3137.7	3476.2	3910.8	4345.4	4623.5
60°	3353.0	3467.1	3581.2	3447.2	3313.2	3633.5	3953.8	4419.1	4884.5	5185.0
62.5°	3256.0	3567.6	3879.3	3864.2	3849.1	4142.5	4435.9	4878.7	5321.4	5599.2
65°	3061.8	3354.3	3646.8	3704.7	3762.5	4135.4	4508.3	4937.6	5366.9	5603.4
67.5°	2801.6	3079.8	3358.0	3385.1	3412.2	3800.7	4189.2	4620.4	5051.5	5236.8
70°	2488.9	2791.5	3094.2	3106.3	3118.4	3465.9	3813.3	4184.3	4555.3	4658.3
72.5°	2116.4	2463.6	2810.9	2819.6	2828.3	3100.2	3372.0	3649.9	3927.7	3938.2
75°	1645.1	2004.5	2363.9	2396.2	2428.5	2639.9	2851.4	3047.0	3242.7	3190.3
77.5°	1175.4	1510.9	1846.4	1892.6	1938.8	2099.5	2260.3	2399.1	2537.8	2447.7
80°	769.3	1051.6	1333.8	1391.2	1448.6	1570.0	1691.4	1764.2	1837.1	1692.2
82.5°	447.2	640.1	833.1	897.2	961.4	1045.0	1128.5	1158.9	1189.3	1075.4
85°	196.8	299.2	401.6	456.1	510.7	579.3	648.0	665.2	682.5	591.3
87.5°	60.9	95.3	129.8	160.2	190.6	224.9	259.3	260.8	262.2	220.1
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°
738.3	0°	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3
816.2	2.5°	814.9	813.6	811.1	808.5	804.3	800.0	797.0	794.0	787.9	781.8
913.9	5°	910.4	907.0	901.3	895.7	885.2	874.8	864.2	853.7	840.3	826.8
1007.3	7.5°	1002.3	997.3	988.0	978.8	963.4	948.0	930.9	913.8	891.6	869.4
1067.9	10°	1063.1	1058.2	1047.3	1036.4	1018.3	1000.3	980.1	959.8	931.8	903.7
1085.6	12.5°	1082.9	1080.3	1072.4	1064.4	1048.2	1031.8	1009.9	988.0	957.2	926.3
1058.4	15°	1061.2	1064.0	1063.7	1063.5	1053.2	1043.0	1024.1	1005.2	973.0	940.8
996.7	17.5°	1007.3	1017.8	1029.2	1040.7	1040.5	1040.3	1027.6	1014.8	982.2	949.6
919.9	20°	938.3	956.8	982.1	1007.4	1020.9	1034.3	1029.9	1025.4	991.5	957.6
849.7	22.5°	872.7	895.8	933.1	970.3	998.2	1026.1	1031.9	1037.7	1003.1	968.5
793.2	25°	817.4	841.6	886.9	932.1	974.4	1016.8	1035.2	1053.6	1019.7	985.7
749.2	27.5°	773.0	796.9	847.0	897.2	953.2	1009.3	1042.2	1075.1	1042.8	1010.4
719.2	30°	741.4	763.5	815.7	868.0	937.0	1006.0	1055.1	1104.2	1072.9	1041.6
714.9	32.5°	732.3	749.7	798.8	847.9	925.9	1004.0	1071.2	1138.4	1107.5	1076.5
776.6	35°	780.6	784.7	818.8	852.9	934.2	1015.6	1097.8	1180.1	1150.5	1120.8
941.4	37.5°	922.9	904.4	906.6	908.8	982.7	1056.7	1153.4	1250.2	1212.4	1174.6
1203.4	40°	1158.4	1113.3	1074.5	1035.7	1090.7	1145.7	1250.9	1356.2	1301.1	1246.0
1557.6	42.5°	1475.7	1393.8	1309.1	1224.5	1256.2	1287.8	1392.3	1496.7	1417.2	1337.7
1995.2	45°	1860.5	1725.9	1590.2	1454.6	1468.6	1482.6	1576.4	1670.2	1563.0	1455.7
2484.4	47.5°	2287.3	2090.3	1894.7	1699.0	1701.8	1704.7	1796.0	1887.2	1736.3	1585.4
2971.8	50°	2711.6	2451.5	2199.3	1947.2	1946.7	1946.2	2058.9	2171.6	1944.1	1716.6
3443.7	52.5°	3121.8	2799.9	2498.7	2197.6	2211.4	2225.2	2361.7	2498.2	2162.4	1826.7
3906.3	55°	3522.6	3138.8	2803.7	2468.5	2522.3	2576.1	2710.9	2845.8	2356.0	1866.2
4345.4	57.5°	3910.8	3476.2	3137.7	2799.2	2907.1	3015.0	3088.5	3161.9	2493.2	1824.4
4884.5	60°	4419.1	3953.8	3633.5	3313.2	3447.2	3581.2	3467.1	3353.0	2527.4	1701.8
5321.4	62.5°	4878.7	4435.9	4142.5	3849.1	3864.2	3879.3	3567.6	3256.0	2383.1	1510.2
5366.9	65°	4937.6	4508.3	4135.4	3762.5	3704.7	3646.8	3354.3	3061.8	2178.9	1296.0
5051.5	67.5°	4620.4	4189.2	3800.7	3412.2	3385.1	3358.0	3079.8	2801.6	1935.8	1070.1
4555.3	70°	4184.3	3813.3	3465.9	3118.4	3106.3	3094.2	2791.5	2488.9	1670.6	852.3
3927.7	72.5°	3649.9	3372.0	3100.2	2828.3	2819.6	2810.9	2463.6	2116.4	1383.1	649.9
3242.7	75°	3047.0	2851.4	2639.9	2428.5	2396.2	2363.9	2004.5	1645.1	1053.6	462.0
2537.8	77.5°	2399.1	2260.3	2099.5	1938.8	1892.6	1846.4	1510.9	1175.4	737.4	299.4
1837.1	80°	1764.2	1691.4	1570.0	1448.6	1391.2	1333.8	1051.6	769.3	475.1	180.9
1189.3	82.5°	1158.9	1128.5	1045.0	961.4	897.2	833.1	640.1	447.2	275.0	102.8
682.5	85°	665.2	648.0	579.3	510.7	456.1	401.6	299.2	196.8	123.7	50.7
262.2	87.5°	260.8	259.3	224.9	190.6	160.2	129.8	95.3	60.9	40.5	20.1
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
738.3	0°	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3
775.3	2.5°	768.8	762.3	755.8	749.6	743.3	737.3	730.6	725.1	719.7	714.8
813.4	5°	800.0	786.5	773.0	760.4	747.8	735.9	724.1	713.9	703.6	695.0
848.9	7.5°	828.4	808.4	788.4	770.8	753.2	737.0	721.8	708.1	694.5	683.2
876.6	10°	849.5	825.2	801.0	780.2	759.3	739.3	722.9	708.5	694.1	682.8
895.6	12.5°	864.9	836.3	807.7	784.2	760.6	739.6	724.3	712.6	700.8	693.3
907.5	15°	874.2	841.3	808.3	781.1	753.8	730.5	718.3	712.7	707.1	708.1
913.2	17.5°	876.9	838.6	800.4	767.6	734.8	707.4	699.9	702.0	704.0	716.4
917.7	20°	877.7	831.4	785.0	744.4	703.8	671.8	669.9	679.5	689.1	710.6
923.7	22.5°	878.9	822.5	766.1	717.2	668.3	631.9	635.8	650.0	664.3	688.8
934.6	25°	883.3	813.7	744.1	686.8	629.5	592.2	602.7	619.2	635.6	657.6
951.6	27.5°	892.7	807.8	723.0	659.0	595.0	561.1	573.8	589.7	605.6	623.7
973.6	30°	905.5	805.1	704.6	635.8	566.9	538.4	548.4	561.0	573.6	588.6
996.5	32.5°	916.5	801.7	686.8	615.7	544.6	521.7	526.1	533.6	541.0	553.0
1022.7	35°	924.6	795.3	666.0	596.0	526.1	507.0	505.1	507.2	509.2	518.4
1052.0	37.5°	929.5	784.3	639.2	572.9	506.5	489.8	483.1	480.8	478.6	485.1
1089.3	40°	932.5	769.2	606.0	545.2	484.4	469.3	458.9	453.8	448.7	453.4
1138.0	42.5°	938.2	753.6	569.1	514.7	460.3	446.3	433.3	426.5	419.7	423.6
1202.0	45°	948.4	739.2	530.0	482.3	434.6	420.4	407.8	401.2	394.6	397.8
1270.3	47.5°	955.3	727.2	499.1	456.7	414.2	395.9	385.1	379.5	374.0	377.0
1333.7	50°	950.8	714.2	477.6	439.6	401.7	377.6	365.0	360.1	355.2	360.0
1374.8	52.5°	922.9	692.2	461.5	428.4	395.3	367.7	350.1	345.2	340.4	347.6
1365.7	55°	865.2	655.7	446.1	420.3	394.4	368.7	342.2	334.5	326.8	337.0
1301.9	57.5°	779.5	604.2	428.9	410.6	392.4	369.7	337.4	326.2	315.0	325.9
1183.2	60°	664.6	537.4	410.3	395.9	381.6	366.6	332.9	318.4	303.8	313.4
1022.7	62.5°	535.1	457.5	379.9	370.3	360.8	358.9	327.7	309.5	291.4	297.5
858.9	65°	421.8	385.5	349.3	344.8	340.3	340.5	316.7	297.4	278.1	280.4
698.4	67.5°	326.7	316.4	306.1	308.6	311.1	310.5	297.1	281.0	264.9	264.2
549.9	70°	247.5	250.4	253.3	265.0	276.6	276.6	272.3	260.8	249.4	246.8
420.4	72.5°	190.9	199.8	208.7	225.2	241.7	244.5	244.5	236.7	228.9	225.1
305.1	75°	148.2	156.3	164.3	182.8	201.4	214.2	213.1	207.1	201.0	197.4
206.8	77.5°	114.1	119.6	125.1	143.1	161.1	182.2	181.6	176.8	171.9	168.3
133.2	80°	85.6	87.8	90.1	105.3	120.5	145.8	145.7	141.6	137.5	134.5
81.9	82.5°	61.1	61.5	62.0	73.2	84.4	106.0	107.1	105.2	103.2	101.0
43.8	85°	37.0	36.8	36.5	44.8	53.0	69.0	70.5	68.4	66.3	63.9
18.2	87.5°	16.2	16.0	15.8	19.2	22.5	29.2	31.2	30.3	29.5	29.0
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
738.3	0°	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3
710.0	2.5°	705.7	701.4	697.1	692.8	689.5	686.2	683.5	680.8	678.7	676.6
686.4	5°	678.8	671.2	664.3	657.4	652.1	646.8	643.1	639.4	636.7	634.1
671.8	7.5°	662.3	652.7	644.3	635.9	629.6	623.3	618.8	614.4	611.4	608.4
671.5	10°	661.2	650.9	641.4	631.9	624.4	616.8	611.9	606.9	604.0	601.2
685.8	12.5°	677.7	669.7	659.8	650.0	640.4	630.8	624.4	618.0	614.8	611.6
709.1	15°	707.0	704.9	696.4	687.9	674.1	660.4	650.7	641.1	636.6	632.2
728.7	17.5°	735.3	741.8	734.9	728.1	709.9	691.8	677.5	663.2	656.6	650.0
732.1	20°	745.8	759.5	756.4	753.2	732.4	711.7	694.1	676.7	668.3	659.8
713.3	22.5°	731.2	749.0	751.0	752.9	733.0	713.2	695.2	677.1	668.3	659.4
679.6	25°	697.2	714.8	721.4	727.9	711.7	695.4	679.4	663.4	655.7	648.1
641.7	27.5°	655.8	670.0	677.3	684.6	673.0	661.5	649.0	636.6	631.4	626.2
603.7	30°	615.4	627.1	633.0	639.0	630.2	621.3	612.4	603.5	600.9	598.2
565.0	32.5°	576.3	587.5	594.1	600.7	592.6	584.5	577.4	570.3	568.6	566.8
527.5	35°	538.6	549.7	557.7	565.6	559.8	554.1	547.5	541.0	538.3	535.7
491.7	37.5°	502.7	513.9	523.7	533.5	530.8	528.1	522.1	516.0	511.2	506.5
458.2	40°	468.9	479.6	490.8	502.2	502.8	503.4	498.3	493.2	486.2	479.3
427.4	42.5°	437.6	447.8	459.9	472.1	475.4	478.6	474.3	470.0	461.4	452.7
401.1	45°	410.7	420.4	433.0	445.6	450.3	455.0	451.1	447.2	437.3	427.4
380.0	47.5°	389.5	398.9	411.4	423.8	429.2	434.6	431.9	429.1	420.4	411.6
364.8	50°	373.6	382.5	393.7	404.8	411.8	418.7	418.5	418.4	411.4	404.3
354.7	52.5°	362.9	371.0	381.4	391.8	400.0	408.2	409.7	411.1	405.4	399.7
347.1	55°	355.9	364.7	373.8	382.9	391.6	400.2	402.3	404.3	399.3	394.4
336.8	57.5°	347.2	357.5	366.5	375.5	384.3	393.0	395.1	397.1	392.1	387.0
323.0	60°	334.9	346.7	355.9	365.0	373.8	382.6	384.9	387.1	382.2	377.3
303.6	62.5°	317.4	331.2	341.0	350.7	358.8	366.8	369.0	371.2	366.7	362.3
282.7	65°	297.5	312.3	321.7	331.0	338.1	345.2	347.4	349.7	345.4	341.1
263.5	67.5°	277.1	290.8	299.7	308.5	314.6	320.8	322.9	325.1	321.2	317.2
244.3	70°	256.3	268.3	275.9	283.6	289.1	294.6	296.7	298.8	295.6	292.4
221.4	72.5°	230.9	240.3	247.2	254.1	259.5	264.9	267.4	269.9	267.3	264.6
193.8	75°	200.9	207.9	214.1	220.4	225.3	230.3	232.9	235.5	234.2	232.9
164.7	77.5°	170.4	176.1	181.5	186.8	192.0	197.2	199.6	202.1	200.2	198.4
131.5	80°	136.2	140.9	145.5	150.0	153.9	157.9	161.1	164.3	163.5	162.8
98.9	82.5°	98.5	98.1	96.5	94.9	103.3	111.7	117.2	122.7	122.3	122.0
61.5	85°	59.4	57.4	53.0	48.6	56.4	64.3	71.1	77.9	77.3	76.8
28.6	87.5°	28.5	28.4	25.0	21.7	25.0	28.3	31.0	33.8	33.1	32.4
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
738.3	0°	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3
674.7	2.5°	672.7	670.3	672.7	674.7	676.6	678.7	680.8	683.5	686.2	689.5
632.1	5°	630.1	628.1	630.1	632.1	634.1	636.7	639.4	643.1	646.8	652.1
606.6	7.5°	604.8	603.4	604.8	606.6	608.4	611.4	614.4	618.8	623.3	629.6
599.6	10°	598.1	597.5	598.1	599.6	601.2	604.0	606.9	611.9	616.8	624.4
610.3	12.5°	609.0	608.8	609.0	610.3	611.6	614.8	618.0	624.4	630.8	640.4
630.5	15°	628.8	628.6	628.8	630.5	632.2	636.6	641.1	650.7	660.4	674.1
647.9	17.5°	645.7	645.4	645.7	647.9	650.0	656.6	663.2	677.5	691.8	709.9
657.1	20°	654.4	653.6	654.4	657.1	659.8	668.3	676.7	694.1	711.7	732.4
656.4	22.5°	653.4	652.2	653.4	656.4	659.4	668.3	677.1	695.2	713.2	733.0
645.2	25°	642.5	640.8	642.5	645.2	648.1	655.7	663.4	679.4	695.4	711.7
625.0	27.5°	623.7	623.3	623.7	625.0	626.2	631.4	636.6	649.0	661.5	673.0
598.2	30°	598.2	598.6	598.2	598.2	598.2	600.9	603.5	612.4	621.3	630.2
567.1	32.5°	567.3	567.7	567.3	567.1	566.8	568.6	570.3	577.4	584.5	592.6
535.2	35°	534.6	534.3	534.6	535.2	535.7	538.3	541.0	547.5	554.1	559.8
504.0	37.5°	501.4	500.0	501.4	504.0	506.5	511.2	516.0	522.1	528.1	530.8
474.6	40°	469.9	467.2	469.9	474.6	479.3	486.2	493.2	498.3	503.4	502.8
445.9	42.5°	439.1	434.6	439.1	445.9	452.7	461.4	470.0	474.3	478.6	475.4
419.4	45°	411.4	406.3	411.4	419.4	427.4	437.3	447.2	451.1	455.0	450.3
404.2	47.5°	396.8	391.8	396.8	404.2	411.6	420.4	429.1	431.9	434.6	429.2
397.5	50°	390.6	385.9	390.6	397.5	404.3	411.4	418.4	418.5	418.7	411.8
393.5	52.5°	387.4	383.0	387.4	393.5	399.7	405.4	411.1	409.7	408.2	400.0
389.0	55°	383.6	379.6	383.6	389.0	394.4	399.3	404.3	402.3	400.2	391.6
381.7	57.5°	376.4	372.3	376.4	381.7	387.0	392.1	397.1	395.1	393.0	384.3
371.8	60°	366.3	362.1	366.3	371.8	377.3	382.2	387.1	384.9	382.6	373.8
356.5	62.5°	350.7	345.6	350.7	356.5	362.3	366.7	371.2	369.0	366.8	358.8
335.5	65°	329.9	325.5	329.9	335.5	341.1	345.4	349.7	347.4	345.2	338.1
312.0	67.5°	306.8	302.8	306.8	312.0	317.2	321.2	325.1	322.9	320.8	314.6
287.4	70°	282.5	277.9	282.5	287.4	292.4	295.6	298.8	296.7	294.6	289.1
259.8	72.5°	255.1	250.7	255.1	259.8	264.6	267.3	269.9	267.4	264.9	259.5
228.9	75°	224.9	220.7	224.9	228.9	232.9	234.2	235.5	232.9	230.3	225.3
194.3	77.5°	190.3	187.0	190.3	194.3	198.4	200.2	202.1	199.6	197.2	192.0
157.3	80°	151.9	145.6	151.9	157.3	162.8	163.5	164.3	161.1	157.9	153.9
117.4	82.5°	112.8	108.8	112.8	117.4	122.0	122.3	122.7	117.2	111.7	103.3
73.2	85°	69.6	66.0	69.6	73.2	76.8	77.3	77.9	71.1	64.3	56.4
30.5	87.5°	28.7	26.9	28.7	30.5	32.4	33.1	33.8	31.0	28.3	25.0
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
738.3	0°	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3
692.8	2.5°	697.1	701.4	705.7	710.0	714.8	719.7	725.1	730.6	737.3	743.3
657.4	5°	664.3	671.2	678.8	686.4	695.0	703.6	713.9	724.1	735.9	747.8
635.9	7.5°	644.3	652.7	662.3	671.8	683.2	694.5	708.1	721.8	737.0	753.2
631.9	10°	641.4	650.9	661.2	671.5	682.8	694.1	708.5	722.9	739.3	759.3
650.0	12.5°	659.8	669.7	677.7	685.8	693.3	700.8	712.6	724.3	739.6	760.6
687.9	15°	696.4	704.9	707.0	709.1	708.1	707.1	712.7	718.3	730.5	753.8
728.1	17.5°	734.9	741.8	735.3	728.7	716.4	704.0	702.0	699.9	707.4	734.8
753.2	20°	756.4	759.5	745.8	732.1	710.6	689.1	679.5	669.9	671.8	703.8
752.9	22.5°	751.0	749.0	731.2	713.3	688.8	664.3	650.0	635.8	631.9	668.3
727.9	25°	721.4	714.8	697.2	679.6	657.6	635.6	619.2	602.7	592.2	629.5
684.6	27.5°	677.3	670.0	655.8	641.7	623.7	605.6	589.7	573.8	561.1	595.0
639.0	30°	633.0	627.1	615.4	603.7	588.6	573.6	561.0	548.4	538.4	566.9
600.7	32.5°	594.1	587.5	576.3	565.0	553.0	541.0	533.6	526.1	521.7	544.6
565.6	35°	557.7	549.7	538.6	527.5	518.4	509.2	507.2	505.1	507.0	526.1
533.5	37.5°	523.7	513.9	502.7	491.7	485.1	478.6	480.8	483.1	489.8	506.5
502.2	40°	490.8	479.6	468.9	458.2	453.4	448.7	453.8	458.9	469.3	484.4
472.1	42.5°	459.9	447.8	437.6	427.4	423.6	419.7	426.5	433.3	446.3	460.3
445.6	45°	433.0	420.4	410.7	401.1	397.8	394.6	401.2	407.8	420.4	434.6
423.8	47.5°	411.4	398.9	389.5	380.0	377.0	374.0	379.5	385.1	395.9	414.2
404.8	50°	393.7	382.5	373.6	364.8	360.0	355.2	360.1	365.0	377.6	401.7
391.8	52.5°	381.4	371.0	362.9	354.7	347.6	340.4	345.2	350.1	367.7	395.3
382.9	55°	373.8	364.7	355.9	347.1	337.0	326.8	334.5	342.2	368.7	394.4
375.5	57.5°	366.5	357.5	347.2	336.8	325.9	315.0	326.2	337.4	369.7	392.4
365.0	60°	355.9	346.7	334.9	323.0	313.4	303.8	318.4	332.9	366.6	381.6
350.7	62.5°	341.0	331.2	317.4	303.6	297.5	291.4	309.5	327.7	358.9	360.8
331.0	65°	321.7	312.3	297.5	282.7	280.4	278.1	297.4	316.7	340.5	340.3
308.5	67.5°	299.7	290.8	277.1	263.5	264.2	264.9	281.0	297.1	310.5	311.1
283.6	70°	275.9	268.3	256.3	244.3	246.8	249.4	260.8	272.3	276.6	276.6
254.1	72.5°	247.2	240.3	230.9	221.4	225.1	228.9	236.7	244.5	244.5	241.7
220.4	75°	214.1	207.9	200.9	193.8	197.4	201.0	207.1	213.1	214.2	201.4
186.8	77.5°	181.5	176.1	170.4	164.7	168.3	171.9	176.8	181.6	182.2	161.1
150.0	80°	145.5	140.9	136.2	131.5	134.5	137.5	141.6	145.7	145.8	120.5
94.9	82.5°	96.5	98.1	98.5	98.9	101.0	103.2	105.2	107.1	106.0	84.4
48.6	85°	53.0	57.4	59.4	61.5	63.9	66.3	68.4	70.5	69.0	53.0
21.7	87.5°	25.0	28.4	28.5	28.6	29.0	29.5	30.3	31.2	29.2	22.5
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):**

325°		330°	335°	340°	345°	350°	355°	360°
738.3	0°	738.3	738.3	738.3	738.3	738.3	738.3	738.3
749.6	2.5°	755.8	762.3	768.8	775.3	781.8	787.9	794.0
760.4	5°	773.0	786.5	800.0	813.4	826.8	840.3	853.7
770.8	7.5°	788.4	808.4	828.4	848.9	869.4	891.6	913.8
780.2	10°	801.0	825.2	849.5	876.6	903.7	931.8	959.8
784.2	12.5°	807.7	836.3	864.9	895.6	926.3	957.2	988.0
781.1	15°	808.3	841.3	874.2	907.5	940.8	973.0	1005.2
767.6	17.5°	800.4	838.6	876.9	913.2	949.6	982.2	1014.8
744.4	20°	785.0	831.4	877.7	917.7	957.6	991.5	1025.4
717.2	22.5°	766.1	822.5	878.9	923.7	968.5	1003.1	1037.7
686.8	25°	744.1	813.7	883.3	934.6	985.7	1019.7	1053.6
659.0	27.5°	723.0	807.8	892.7	951.6	1010.4	1042.8	1075.1
635.8	30°	704.6	805.1	905.5	973.6	1041.6	1072.9	1104.2
615.7	32.5°	686.8	801.7	916.5	996.5	1076.5	1107.5	1138.4
596.0	35°	666.0	795.3	924.6	1022.7	1120.8	1150.5	1180.1
572.9	37.5°	639.2	784.3	929.5	1052.0	1174.6	1212.4	1250.2
545.2	40°	606.0	769.2	932.5	1089.3	1246.0	1301.1	1356.2
514.7	42.5°	569.1	753.6	938.2	1138.0	1337.7	1417.2	1496.7
482.3	45°	530.0	739.2	948.4	1202.0	1455.7	1563.0	1670.2
456.7	47.5°	499.1	727.2	955.3	1270.3	1585.4	1736.3	1887.2
439.6	50°	477.6	714.2	950.8	1333.7	1716.6	1944.1	2171.6
428.4	52.5°	461.5	692.2	922.9	1374.8	1826.7	2162.4	2498.2
420.3	55°	446.1	655.7	865.2	1365.7	1866.2	2356.0	2845.8
410.6	57.5°	428.9	604.2	779.5	1301.9	1824.4	2493.2	3161.9
395.9	60°	410.3	537.4	664.6	1183.2	1701.8	2527.4	3353.0
370.3	62.5°	379.9	457.5	535.1	1022.7	1510.2	2383.1	3256.0
344.8	65°	349.3	385.5	421.8	858.9	1296.0	2178.9	3061.8
308.6	67.5°	306.1	316.4	326.7	698.4	1070.1	1935.8	2801.6
265.0	70°	253.3	250.4	247.5	549.9	852.3	1670.6	2488.9
225.2	72.5°	208.7	199.8	190.9	420.4	649.9	1383.1	2116.4
182.8	75°	164.3	156.3	148.2	305.1	462.0	1053.6	1645.1
143.1	77.5°	125.1	119.6	114.1	206.8	299.4	737.4	1175.4
105.3	80°	90.1	87.8	85.6	133.2	180.9	475.1	769.3
73.2	82.5°	62.0	61.5	61.1	81.9	102.8	275.0	447.2
44.8	85°	36.5	36.8	37.0	43.8	50.7	123.7	196.8
19.2	87.5°	15.8	16.0	16.2	18.2	20.1	40.5	60.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)