

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: P946417

Luminaire Tested: **GALN-SB2A-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946417
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-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7773 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

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

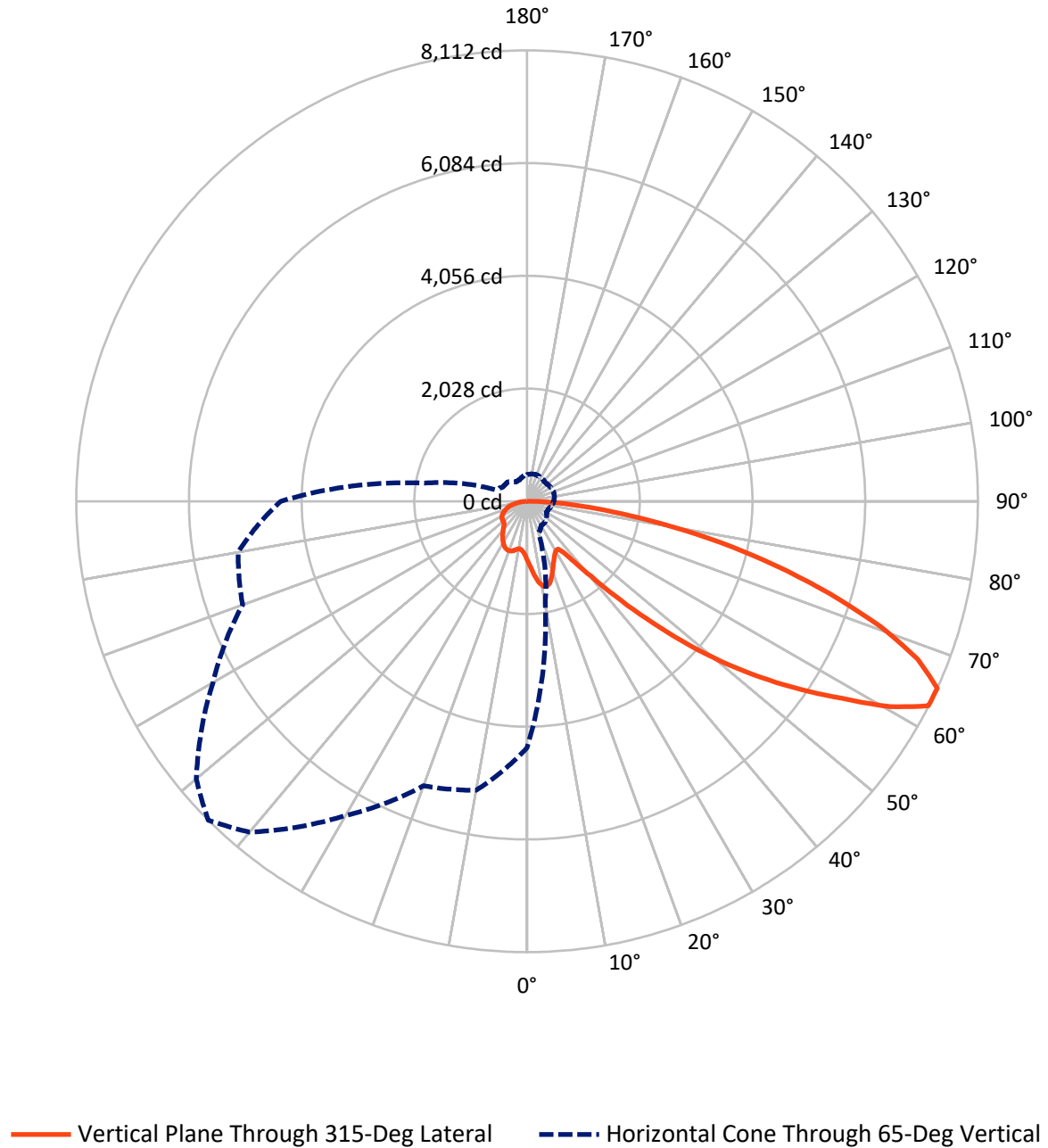
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1975.5	0.0	1975.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	5797.5	0.0	5797.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	7773.0	0.0	7773.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	1.4
10°-20°	332.8	4.3
20°-30°	514.1	6.6
30°-40°	651.5	8.4
40°-50°	982.7	12.6
50°-60°	1587.7	20.4
60°-70°	1979.3	25.5
70°-80°	1297.9	16.7
80°-90°	320.9	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°	7773.0	100.0
0°-180°	7773.0	100.0



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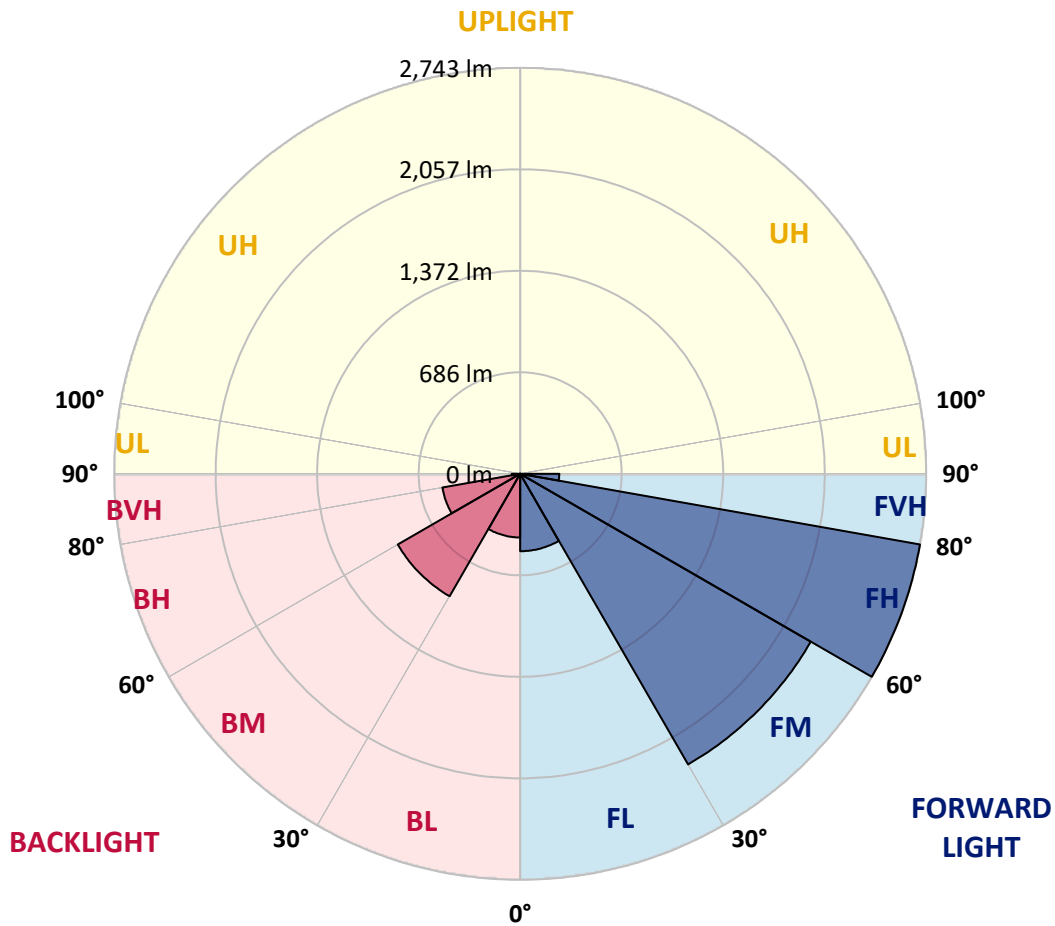
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.8	6.7			
FM (30°-60°)	2267.2	29.2			
FH (60°-80°)	2743.1	35.3			G2/5000
FVH (80°-90°)	264.3	3.4			G3/500
BL (0°-30°)	430.2	5.5	B1/500		
BM (30°-60°)	954.7	12.3	B1/1000		
BH (60°-80°)	534.1	6.9	B2/1000		G2/1000
BVH (80°-90°)	56.5	0.7			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°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
2.5°	1149.4	1140.6	1131.8	1122.4	1113.1	1103.6	1094.2	1085.2	1076.2	1067.4
5°	1236.0	1216.5	1197.0	1177.6	1158.2	1138.6	1119.1	1100.8	1082.6	1065.4
7.5°	1322.9	1290.8	1258.7	1229.0	1199.3	1170.4	1141.5	1116.0	1090.5	1067.0
10°	1389.6	1348.9	1308.3	1269.0	1229.8	1194.7	1159.6	1129.5	1099.3	1070.3
12.5°	1430.4	1385.7	1341.1	1296.7	1252.2	1210.8	1169.3	1135.3	1101.2	1070.7
15°	1455.2	1408.7	1362.1	1313.9	1265.6	1217.9	1170.2	1130.8	1091.3	1057.6
17.5°	1469.2	1422.0	1374.7	1322.1	1269.5	1214.1	1158.8	1111.3	1063.9	1024.1
20°	1484.5	1435.5	1386.4	1328.6	1270.7	1203.6	1136.5	1077.7	1018.9	972.7
22.5°	1502.4	1452.3	1402.1	1337.3	1272.4	1190.8	1109.1	1038.3	967.5	914.8
25°	1525.4	1476.2	1427.1	1353.0	1278.9	1178.0	1077.3	994.3	911.4	857.4
27.5°	1556.5	1509.7	1462.8	1377.6	1292.4	1169.5	1046.7	954.1	861.4	812.3
30°	1598.6	1553.3	1508.0	1409.5	1310.9	1165.6	1020.1	920.4	820.7	779.5
32.5°	1648.2	1603.4	1558.6	1442.7	1326.9	1160.6	994.3	891.4	788.5	755.3
35°	1708.5	1665.6	1622.6	1480.6	1338.7	1151.4	964.2	862.9	761.7	734.0
37.5°	1810.0	1755.3	1700.6	1523.1	1345.6	1135.5	925.4	829.4	733.4	709.2
40°	1963.4	1883.7	1803.9	1577.0	1350.0	1113.6	877.3	789.3	701.4	679.4
42.5°	2166.8	2051.7	1936.7	1647.5	1358.3	1091.1	823.9	745.2	666.4	646.2
45°	2418.0	2262.8	2107.6	1740.3	1373.0	1070.1	767.3	698.2	629.2	608.7
47.5°	2732.2	2513.7	2295.2	1839.1	1383.0	1052.8	722.6	661.1	599.6	573.2
50°	3144.0	2814.6	2485.2	1930.8	1376.5	1034.0	691.4	636.5	581.5	546.7
52.5°	3616.7	3130.7	2644.7	1990.4	1336.1	1002.1	668.1	620.2	572.4	532.4
55°	4120.0	3410.9	2701.9	1977.3	1252.6	949.3	645.9	608.5	571.0	533.8
57.5°	4577.7	3609.5	2641.3	1884.9	1128.5	874.8	621.0	594.5	568.1	535.2
60°	4854.3	3659.1	2463.9	1713.0	962.1	778.1	594.0	573.2	552.4	530.7
62.5°	4713.9	3450.2	2186.4	1480.6	774.7	662.3	549.9	536.1	522.3	519.7
65°	4432.7	3154.5	1876.2	1243.4	610.6	558.2	505.7	499.2	492.7	493.0
67.5°	4056.0	2802.6	1549.2	1011.1	473.0	458.1	443.2	446.8	450.4	449.5
70°	3603.4	2418.7	1233.9	796.1	358.3	362.5	366.8	383.7	400.5	400.5
72.5°	3064.0	2002.4	940.9	608.6	276.4	289.2	302.1	326.0	349.9	354.0
75°	2381.7	1525.3	668.9	441.7	214.6	226.2	237.9	264.7	291.5	310.1
77.5°	1701.7	1067.6	433.4	299.3	165.2	173.1	181.1	207.1	233.2	263.7
80°	1113.8	687.8	261.9	192.9	123.9	127.1	130.4	152.5	174.5	211.0
82.5°	647.4	398.1	148.8	118.6	88.5	89.1	89.7	106.0	122.2	153.4
85°	284.9	179.1	73.3	63.4	53.5	53.2	52.9	64.8	76.7	99.9
87.5°	88.2	58.7	29.1	26.3	23.5	23.2	22.9	27.7	32.6	42.2
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°
1068.9	0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
1057.7	2.5°	1049.8	1042.0	1034.9	1027.8	1021.6	1015.5	1009.2	1003.0	998.2	993.4
1048.3	5°	1033.5	1018.6	1006.1	993.7	982.7	971.7	961.8	951.8	944.1	936.4
1045.0	7.5°	1025.2	1005.5	989.1	972.7	958.9	945.0	932.8	920.6	911.4	902.3
1046.6	10°	1025.8	1005.0	988.5	972.1	957.3	942.3	928.6	914.8	903.9	893.0
1048.7	12.5°	1031.6	1014.6	1003.7	992.9	981.2	969.5	955.3	941.1	927.1	913.2
1039.9	15°	1031.8	1023.7	1025.1	1026.6	1023.6	1020.5	1008.2	995.8	976.0	956.1
1013.3	17.5°	1016.3	1019.2	1037.1	1055.0	1064.5	1074.0	1064.0	1054.1	1027.8	1001.5
969.8	20°	983.7	997.7	1028.7	1059.8	1079.7	1099.6	1095.0	1090.4	1060.3	1030.3
920.5	22.5°	941.1	961.7	997.2	1032.7	1058.6	1084.4	1087.2	1090.0	1061.3	1032.6
872.6	25°	896.4	920.2	952.0	984.0	1009.4	1034.9	1044.4	1053.9	1030.3	1006.8
830.8	27.5°	853.7	876.7	902.9	929.1	949.5	969.9	980.5	991.1	974.4	957.6
794.0	30°	812.2	830.5	852.2	874.0	890.9	907.9	916.5	925.1	912.3	899.5
761.7	32.5°	772.5	783.3	800.7	818.0	834.3	850.6	860.1	869.7	858.0	846.2
731.3	35°	734.3	737.2	750.5	763.7	779.8	795.9	807.4	818.9	810.5	802.2
699.4	37.5°	696.1	692.8	702.3	711.8	727.9	743.9	758.1	772.3	768.5	764.6
664.4	40°	657.0	649.6	656.4	663.3	678.8	694.3	710.6	727.0	727.9	728.8
627.3	42.5°	617.5	607.6	613.2	618.8	633.5	648.2	665.9	683.5	688.2	693.0
590.4	45°	580.8	571.3	575.9	580.7	594.6	608.6	626.9	645.2	651.9	658.7
557.5	47.5°	549.4	541.4	545.8	550.2	563.9	577.5	595.5	613.6	621.4	629.2
528.5	50°	521.3	514.2	521.1	528.1	540.9	553.8	569.9	586.1	596.1	606.1
506.9	52.5°	499.8	492.8	503.2	513.5	525.3	537.1	552.1	567.2	579.1	590.9
495.4	55°	484.2	473.1	487.8	502.5	515.2	527.9	541.2	554.3	566.9	579.5
488.5	57.5°	472.2	456.0	471.8	487.7	502.6	517.5	530.6	543.7	556.3	569.0
482.0	60°	461.0	439.9	453.8	467.7	484.8	501.9	515.2	528.5	541.2	553.9
474.5	62.5°	448.1	421.8	430.7	439.5	459.5	479.5	493.6	507.8	519.4	531.1
458.5	65°	430.6	402.6	406.0	409.3	430.7	452.2	465.7	479.3	489.5	499.8
430.2	67.5°	406.9	383.6	382.5	381.4	401.2	421.0	433.9	446.7	455.5	464.4
394.2	70°	377.6	361.0	357.3	353.6	371.0	388.4	399.5	410.6	418.6	426.6
354.0	72.5°	342.7	331.3	325.9	320.5	334.2	347.9	357.9	367.9	375.7	383.6
308.5	75°	299.8	291.0	285.8	280.6	290.8	301.0	310.0	319.1	326.2	333.4
262.9	77.5°	255.9	248.9	243.6	238.4	246.7	254.9	262.7	270.5	278.0	285.5
210.9	80°	205.0	199.1	194.7	190.3	197.2	204.1	210.6	217.2	222.9	228.5
155.1	82.5°	152.2	149.4	146.3	143.1	142.6	142.0	139.7	137.4	149.5	161.7
102.1	85°	99.1	96.0	92.5	89.0	86.0	83.1	76.7	70.3	81.7	93.1
45.1	87.5°	43.9	42.7	42.0	41.3	41.2	41.1	36.3	31.4	36.1	40.9
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1068.9	0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
989.5	2.5°	985.6	982.6	979.5	976.7	973.9	970.4	973.9	976.7	979.5	982.6
931.0	5°	925.6	921.8	918.0	915.1	912.2	909.3	912.2	915.1	918.0	921.8
895.9	7.5°	889.5	885.1	880.8	878.2	875.6	873.6	875.6	878.2	880.8	885.1
885.8	10°	878.6	874.5	870.3	868.1	865.9	865.0	865.9	868.1	870.3	874.5
904.0	12.5°	894.7	890.1	885.5	883.6	881.7	881.4	881.7	883.6	885.5	890.1
942.1	15°	928.1	921.7	915.3	912.8	910.3	910.1	910.3	912.8	915.3	921.7
980.8	17.5°	960.2	950.6	941.1	938.0	934.8	934.3	934.8	938.0	941.1	950.6
1005.0	20°	979.6	967.5	955.2	951.3	947.4	946.2	947.4	951.3	955.2	967.5
1006.5	22.5°	980.3	967.5	954.6	950.3	946.0	944.2	946.0	950.3	954.6	967.5
983.6	25°	960.5	949.3	938.2	934.2	930.1	927.8	930.1	934.2	938.2	949.3
939.6	27.5°	921.6	914.1	906.6	904.8	902.9	902.3	902.9	904.8	906.6	914.1
886.7	30°	873.7	869.9	866.0	866.0	866.0	866.6	866.0	866.0	866.0	869.9
835.9	32.5°	825.6	823.1	820.6	821.0	821.3	821.9	821.3	821.0	820.6	823.1
792.7	35°	783.2	779.4	775.6	774.8	774.0	773.5	774.0	774.8	775.6	779.4
755.9	37.5°	747.1	740.2	733.3	729.6	726.0	723.9	726.0	729.6	733.3	740.2
721.4	40°	714.0	703.9	693.9	687.1	680.4	676.3	680.4	687.1	693.9	703.9
686.7	42.5°	680.4	667.9	655.4	645.5	635.7	629.2	635.7	645.5	655.4	667.9
653.0	45°	647.4	633.1	618.8	607.2	595.6	588.2	595.6	607.2	618.8	633.1
625.2	47.5°	621.3	608.6	595.9	585.1	574.4	567.2	574.4	585.1	595.9	608.6
605.9	50°	605.7	595.5	585.4	575.4	565.5	558.6	565.5	575.4	585.4	595.5
593.1	52.5°	595.2	586.9	578.6	569.7	560.9	554.5	560.9	569.7	578.6	586.9
582.4	55°	585.4	578.1	570.9	563.1	555.3	549.6	555.3	563.1	570.9	578.1
572.0	57.5°	575.0	567.6	560.3	552.6	544.9	538.9	544.9	552.6	560.3	567.6
557.2	60°	560.5	553.3	546.2	538.3	530.3	524.2	530.3	538.3	546.2	553.3
534.2	62.5°	537.4	530.9	524.5	516.1	507.8	500.4	507.8	516.1	524.5	530.9
503.0	65°	506.2	500.0	493.8	485.7	477.6	471.3	477.6	485.7	493.8	500.0
467.5	67.5°	470.6	464.9	459.3	451.7	444.2	438.5	444.2	451.7	459.3	464.9
429.6	70°	432.6	428.0	423.4	416.1	408.9	402.4	408.9	416.1	423.4	428.0
387.2	72.5°	390.8	386.9	383.1	376.2	369.3	363.0	369.3	376.2	383.1	386.9
337.1	75°	340.9	339.0	337.1	331.4	325.6	319.5	325.6	331.4	337.1	339.0
289.0	77.5°	292.5	289.9	287.2	281.4	275.5	270.7	275.5	281.4	287.2	289.9
233.2	80°	237.9	236.7	235.6	227.8	219.9	210.8	219.9	227.8	235.6	236.7
169.6	82.5°	177.6	177.1	176.6	170.0	163.3	157.5	163.3	170.0	176.6	177.1
102.9	85°	112.8	112.0	111.2	106.0	100.8	95.6	100.8	106.0	111.2	112.0
44.9	87.5°	48.9	47.9	46.8	44.2	41.5	39.0	41.5	44.2	46.8	47.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1068.9	0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
985.6	2.5°	989.5	993.4	998.2	1003.0	1009.2	1015.5	1021.6	1027.8	1034.9	1042.0
925.6	5°	931.0	936.4	944.1	951.8	961.8	971.7	982.7	993.7	1006.1	1018.6
889.5	7.5°	895.9	902.3	911.4	920.6	932.8	945.0	958.9	972.7	989.1	1005.5
878.6	10°	885.8	893.0	903.9	914.8	928.6	942.3	957.3	972.1	988.5	1005.0
894.7	12.5°	904.0	913.2	927.1	941.1	955.3	969.5	981.2	992.9	1003.7	1014.6
928.1	15°	942.1	956.1	976.0	995.8	1008.2	1020.5	1023.6	1026.6	1025.1	1023.7
960.2	17.5°	980.8	1001.5	1027.8	1054.1	1064.0	1074.0	1064.5	1055.0	1037.1	1019.2
979.6	20°	1005.0	1030.3	1060.3	1090.4	1095.0	1099.6	1079.7	1059.8	1028.7	997.7
980.3	22.5°	1006.5	1032.6	1061.3	1090.0	1087.2	1084.4	1058.6	1032.7	997.2	961.7
960.5	25°	983.6	1006.8	1030.3	1053.9	1044.4	1034.9	1009.4	984.0	952.0	920.2
921.6	27.5°	939.6	957.6	974.4	991.1	980.5	969.9	949.5	929.1	902.9	876.7
873.7	30°	886.7	899.5	912.3	925.1	916.5	907.9	890.9	874.0	852.2	830.5
825.6	32.5°	835.9	846.2	858.0	869.7	860.1	850.6	834.3	818.0	800.7	783.3
783.2	35°	792.7	802.2	810.5	818.9	807.4	795.9	779.8	763.7	750.5	737.2
747.1	37.5°	755.9	764.6	768.5	772.3	758.1	743.9	727.9	711.8	702.3	692.8
714.0	40°	721.4	728.8	727.9	727.0	710.6	694.3	678.8	663.3	656.4	649.6
680.4	42.5°	686.7	693.0	688.2	683.5	665.9	648.2	633.5	618.8	613.2	607.6
647.4	45°	653.0	658.7	651.9	645.2	626.9	608.6	594.6	580.7	575.9	571.3
621.3	47.5°	625.2	629.2	621.4	613.6	595.5	577.5	563.9	550.2	545.8	541.4
605.7	50°	605.9	606.1	596.1	586.1	569.9	553.8	540.9	528.1	521.1	514.2
595.2	52.5°	593.1	590.9	579.1	567.2	552.1	537.1	525.3	513.5	503.2	492.8
585.4	55°	582.4	579.5	566.9	554.3	541.2	527.9	515.2	502.5	487.8	473.1
575.0	57.5°	572.0	569.0	556.3	543.7	530.6	517.5	502.6	487.7	471.8	456.0
560.5	60°	557.2	553.9	541.2	528.5	515.2	501.9	484.8	467.7	453.8	439.9
537.4	62.5°	534.2	531.1	519.4	507.8	493.6	479.5	459.5	439.5	430.7	421.8
506.2	65°	503.0	499.8	489.5	479.3	465.7	452.2	430.7	409.3	406.0	402.6
470.6	67.5°	467.5	464.4	455.5	446.7	433.9	421.0	401.2	381.4	382.5	383.6
432.6	70°	429.6	426.6	418.6	410.6	399.5	388.4	371.0	353.6	357.3	361.0
390.8	72.5°	387.2	383.6	375.7	367.9	357.9	347.9	334.2	320.5	325.9	331.3
340.9	75°	337.1	333.4	326.2	319.1	310.0	301.0	290.8	280.6	285.8	291.0
292.5	77.5°	289.0	285.5	278.0	270.5	262.7	254.9	246.7	238.4	243.6	248.9
237.9	80°	233.2	228.5	222.9	217.2	210.6	204.1	197.2	190.3	194.7	199.1
177.6	82.5°	169.6	161.7	149.5	137.4	139.7	142.0	142.6	143.1	146.3	149.4
112.8	85°	102.9	93.1	81.7	70.3	76.7	83.1	86.0	89.0	92.5	96.0
48.9	87.5°	44.9	40.9	36.1	31.4	36.3	41.1	41.2	41.3	42.0	42.7
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1068.9	0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
1049.8	2.5°	1057.7	1067.4	1076.2	1085.2	1094.2	1103.6	1113.1	1122.4	1131.8	1140.6
1033.5	5°	1048.3	1065.4	1082.6	1100.8	1119.1	1138.6	1158.2	1177.6	1197.0	1216.5
1025.2	7.5°	1045.0	1067.0	1090.5	1116.0	1141.5	1170.4	1199.3	1229.0	1258.7	1290.8
1025.8	10°	1046.6	1070.3	1099.3	1129.5	1159.6	1194.7	1229.8	1269.0	1308.3	1348.9
1031.6	12.5°	1048.7	1070.7	1101.2	1135.3	1169.3	1210.8	1252.2	1296.7	1341.1	1385.7
1031.8	15°	1039.9	1057.6	1091.3	1130.8	1170.2	1217.9	1265.6	1313.9	1362.1	1408.7
1016.3	17.5°	1013.3	1024.1	1063.9	1111.3	1158.8	1214.1	1269.5	1322.1	1374.7	1422.0
983.7	20°	969.8	972.7	1018.9	1077.7	1136.5	1203.6	1270.7	1328.6	1386.4	1435.5
941.1	22.5°	920.5	914.8	967.5	1038.3	1109.1	1190.8	1272.4	1337.3	1402.1	1452.3
896.4	25°	872.6	857.4	911.4	994.3	1077.3	1178.0	1278.9	1353.0	1427.1	1476.2
853.7	27.5°	830.8	812.3	861.4	954.1	1046.7	1169.5	1292.4	1377.6	1462.8	1509.7
812.2	30°	794.0	779.5	820.7	920.4	1020.1	1165.6	1310.9	1409.5	1508.0	1553.3
772.5	32.5°	761.7	755.3	788.5	891.4	994.3	1160.6	1326.9	1442.7	1558.6	1603.4
734.3	35°	731.3	734.0	761.7	862.9	964.2	1151.4	1338.7	1480.6	1622.6	1665.6
696.1	37.5°	699.4	709.2	733.4	829.4	925.4	1135.5	1345.6	1523.1	1700.6	1755.3
657.0	40°	664.4	679.4	701.4	789.3	877.3	1113.6	1350.0	1577.0	1803.9	1883.7
617.5	42.5°	627.3	646.2	666.4	745.2	823.9	1091.1	1358.3	1647.5	1936.7	2051.7
580.8	45°	590.4	608.7	629.2	698.2	767.3	1070.1	1373.0	1740.3	2107.6	2262.8
549.4	47.5°	557.5	573.2	599.6	661.1	722.6	1052.8	1383.0	1839.1	2295.2	2513.7
521.3	50°	528.5	546.7	581.5	636.5	691.4	1034.0	1376.5	1930.8	2485.2	2814.6
499.8	52.5°	506.9	532.4	572.4	620.2	668.1	1002.1	1336.1	1990.4	2644.7	3130.7
484.2	55°	495.4	533.8	571.0	608.5	645.9	949.3	1252.6	1977.3	2701.9	3410.9
472.2	57.5°	488.5	535.2	568.1	594.5	621.0	874.8	1128.5	1884.9	2641.3	3609.5
461.0	60°	482.0	530.7	552.4	573.2	594.0	778.1	962.1	1713.0	2463.9	3659.1
448.1	62.5°	474.5	519.7	522.3	536.1	549.9	662.3	774.7	1480.6	2186.4	3450.2
430.6	65°	458.5	493.0	492.7	499.2	505.7	558.2	610.6	1243.4	1876.2	3154.5
406.9	67.5°	430.2	449.5	450.4	446.8	443.2	458.1	473.0	1011.1	1549.2	2802.6
377.6	70°	394.2	400.5	400.5	383.7	366.8	362.5	358.3	796.1	1233.9	2418.7
342.7	72.5°	354.0	354.0	349.9	326.0	302.1	289.2	276.4	608.6	940.9	2002.4
299.8	75°	308.5	310.1	291.5	264.7	237.9	226.2	214.6	441.7	668.9	1525.3
255.9	77.5°	262.9	263.7	233.2	207.1	181.1	173.1	165.2	299.3	433.4	1067.6
205.0	80°	210.9	211.0	174.5	152.5	130.4	127.1	123.9	192.9	261.9	687.8
152.2	82.5°	155.1	153.4	122.2	106.0	89.7	89.1	88.5	118.6	148.8	398.1
99.1	85°	102.1	99.9	76.7	64.8	52.9	53.2	53.5	63.4	73.3	179.1
43.9	87.5°	45.1	42.2	32.6	27.7	22.9	23.2	23.5	26.3	29.1	58.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1068.9	0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
1149.4	2.5°	1153.8	1158.2	1164.4	1170.6	1174.3	1178.0	1179.8	1181.6	1180.8	1181.6
1236.0	5°	1251.2	1266.5	1281.6	1296.7	1304.9	1313.1	1318.1	1323.1	1326.8	1323.1
1322.9	7.5°	1347.7	1372.4	1394.7	1417.0	1430.4	1443.8	1451.1	1458.3	1461.8	1458.3
1389.6	10°	1418.9	1448.2	1474.3	1500.4	1516.2	1532.0	1539.1	1546.1	1548.7	1546.1
1430.4	12.5°	1462.1	1493.9	1517.5	1541.0	1552.5	1564.0	1567.8	1571.7	1572.1	1571.7
1455.2	15°	1482.6	1510.0	1524.8	1539.6	1540.0	1540.4	1536.3	1532.2	1527.4	1532.2
1469.2	17.5°	1487.7	1506.2	1506.4	1506.7	1490.1	1473.5	1458.3	1443.0	1432.2	1443.0
1484.5	20°	1491.0	1497.5	1478.0	1458.5	1421.8	1385.2	1358.5	1331.8	1315.4	1331.8
1502.4	22.5°	1493.9	1485.5	1445.1	1404.8	1350.8	1296.9	1263.5	1230.1	1212.0	1230.1
1525.4	25°	1498.7	1472.0	1410.8	1349.5	1284.0	1218.5	1183.4	1148.3	1131.2	1148.3
1556.5	27.5°	1508.9	1461.2	1380.0	1298.9	1226.3	1153.7	1119.1	1084.6	1068.4	1084.6
1598.6	30°	1527.5	1456.4	1356.5	1256.6	1181.0	1105.4	1073.3	1041.3	1026.2	1041.3
1648.2	32.5°	1550.9	1453.6	1340.5	1227.5	1156.4	1085.3	1060.2	1035.0	1024.1	1035.0
1708.5	35°	1589.4	1470.3	1352.5	1234.8	1185.4	1136.0	1130.2	1124.3	1123.4	1124.3
1810.0	37.5°	1669.9	1529.8	1422.7	1315.7	1312.5	1309.3	1336.1	1362.9	1376.9	1362.9
1963.4	40°	1811.0	1658.7	1579.0	1499.4	1555.6	1611.8	1677.0	1742.2	1774.7	1742.2
2166.8	42.5°	2015.6	1864.5	1818.6	1772.8	1895.3	2017.9	2136.5	2255.1	2324.7	2255.1
2418.0	45°	2282.2	2146.4	2126.2	2105.9	2302.3	2498.6	2693.5	2888.5	3006.8	2888.5
2732.2	47.5°	2600.1	2468.0	2463.9	2459.8	2743.0	3026.2	3311.5	3596.8	3764.4	3596.8
3144.0	50°	2980.8	2817.7	2818.4	2819.1	3184.1	3549.1	3925.8	4302.4	4530.1	4302.4
3616.7	52.5°	3419.1	3221.5	3201.6	3181.5	3617.6	4053.6	4519.6	4985.6	5258.6	4985.6
4120.0	55°	3924.7	3729.5	3651.6	3573.7	4059.0	4544.3	5099.8	5655.4	5980.0	5655.4
4577.7	57.5°	4471.4	4365.0	4208.8	4052.6	4542.6	5032.6	5661.9	6291.1	6693.7	6291.1
4854.3	60°	5019.5	5184.6	4990.6	4796.6	5260.4	5724.1	6397.8	7071.5	7506.6	7071.5
4713.9	62.5°	5165.1	5616.3	5594.4	5572.5	5997.3	6422.1	7063.1	7704.1	8106.2	7704.1
4432.7	65°	4856.2	5279.7	5363.5	5447.2	5987.1	6526.9	7148.5	7770.0	8112.4	7770.0
4056.0	67.5°	4458.8	4861.5	4900.8	4940.1	5502.5	6065.0	6689.2	7313.4	7581.6	7313.4
3603.4	70°	4041.5	4479.6	4497.1	4514.7	5017.8	5520.7	6057.9	6595.0	6744.1	6595.0
3064.0	72.5°	3566.8	4069.5	4082.2	4094.7	4488.3	4881.8	5284.1	5686.4	5701.5	5686.4
2381.7	75°	2902.1	3422.4	3469.1	3515.8	3822.0	4128.2	4411.4	4694.6	4618.7	4694.6
1701.7	77.5°	2187.4	2673.2	2740.0	2806.9	3039.6	3272.4	3473.2	3674.1	3543.7	3674.1
1113.8	80°	1522.4	1931.0	2014.1	2097.2	2273.0	2448.7	2554.2	2659.6	2449.8	2659.6
647.4	82.5°	926.8	1206.2	1299.0	1391.8	1512.8	1633.8	1677.8	1721.8	1556.9	1721.8
284.9	85°	433.1	581.4	660.3	739.3	838.7	938.1	963.1	988.1	856.0	988.1
88.2	87.5°	138.0	187.8	231.9	275.9	325.7	375.4	377.5	379.6	318.7	379.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
1068.9	0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
1179.8	2.5°	1178.0	1174.3	1170.6	1164.4	1158.2	1153.8	1149.4
1318.1	5°	1313.1	1304.9	1296.7	1281.6	1266.5	1251.2	1236.0
1451.1	7.5°	1443.8	1430.4	1417.0	1394.7	1372.4	1347.7	1322.9
1539.1	10°	1532.0	1516.2	1500.4	1474.3	1448.2	1418.9	1389.6
1567.8	12.5°	1564.0	1552.5	1541.0	1517.5	1493.9	1462.1	1430.4
1536.3	15°	1540.4	1540.0	1539.6	1524.8	1510.0	1482.6	1455.2
1458.3	17.5°	1473.5	1490.1	1506.7	1506.4	1506.2	1487.7	1469.2
1358.5	20°	1385.2	1421.8	1458.5	1478.0	1497.5	1491.0	1484.5
1263.5	22.5°	1296.9	1350.8	1404.8	1445.1	1485.5	1493.9	1502.4
1183.4	25°	1218.5	1284.0	1349.5	1410.8	1472.0	1498.7	1525.4
1119.1	27.5°	1153.7	1226.3	1298.9	1380.0	1461.2	1508.9	1556.5
1073.3	30°	1105.4	1181.0	1256.6	1356.5	1456.4	1527.5	1598.6
1060.2	32.5°	1085.3	1156.4	1227.5	1340.5	1453.6	1550.9	1648.2
1130.2	35°	1136.0	1185.4	1234.8	1352.5	1470.3	1589.4	1708.5
1336.1	37.5°	1309.3	1312.5	1315.7	1422.7	1529.8	1669.9	1810.0
1677.0	40°	1611.8	1555.6	1499.4	1579.0	1658.7	1811.0	1963.4
2136.5	42.5°	2017.9	1895.3	1772.8	1818.6	1864.5	2015.6	2166.8
2693.5	45°	2498.6	2302.3	2105.9	2126.2	2146.4	2282.2	2418.0
3311.5	47.5°	3026.2	2743.0	2459.8	2463.9	2468.0	2600.1	2732.2
3925.8	50°	3549.1	3184.1	2819.1	2818.4	2817.7	2980.8	3144.0
4519.6	52.5°	4053.6	3617.6	3181.5	3201.6	3221.5	3419.1	3616.7
5099.8	55°	4544.3	4059.0	3573.7	3651.6	3729.5	3924.7	4120.0
5661.9	57.5°	5032.6	4542.6	4052.6	4208.8	4365.0	4471.4	4577.7
6397.8	60°	5724.1	5260.4	4796.6	4990.6	5184.6	5019.5	4854.3
7063.1	62.5°	6422.1	5997.3	5572.5	5594.4	5616.3	5165.1	4713.9
7148.5	65°	6526.9	5987.1	5447.2	5363.5	5279.7	4856.2	4432.7
6689.2	67.5°	6065.0	5502.5	4940.1	4900.8	4861.5	4458.8	4056.0
6057.9	70°	5520.7	5017.8	4514.7	4497.1	4479.6	4041.5	3603.4
5284.1	72.5°	4881.8	4488.3	4094.7	4082.2	4069.5	3566.8	3064.0
4411.4	75°	4128.2	3822.0	3515.8	3469.1	3422.4	2902.1	2381.7
3473.2	77.5°	3272.4	3039.6	2806.9	2740.0	2673.2	2187.4	1701.7
2554.2	80°	2448.7	2273.0	2097.2	2014.1	1931.0	1522.4	1113.8
1677.8	82.5°	1633.8	1512.8	1391.8	1299.0	1206.2	926.8	647.4
963.1	85°	938.1	838.7	739.3	660.3	581.4	433.1	284.9
377.5	87.5°	375.4	325.7	275.9	231.9	187.8	138.0	88.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)