

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: P946415

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946415
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-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT 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

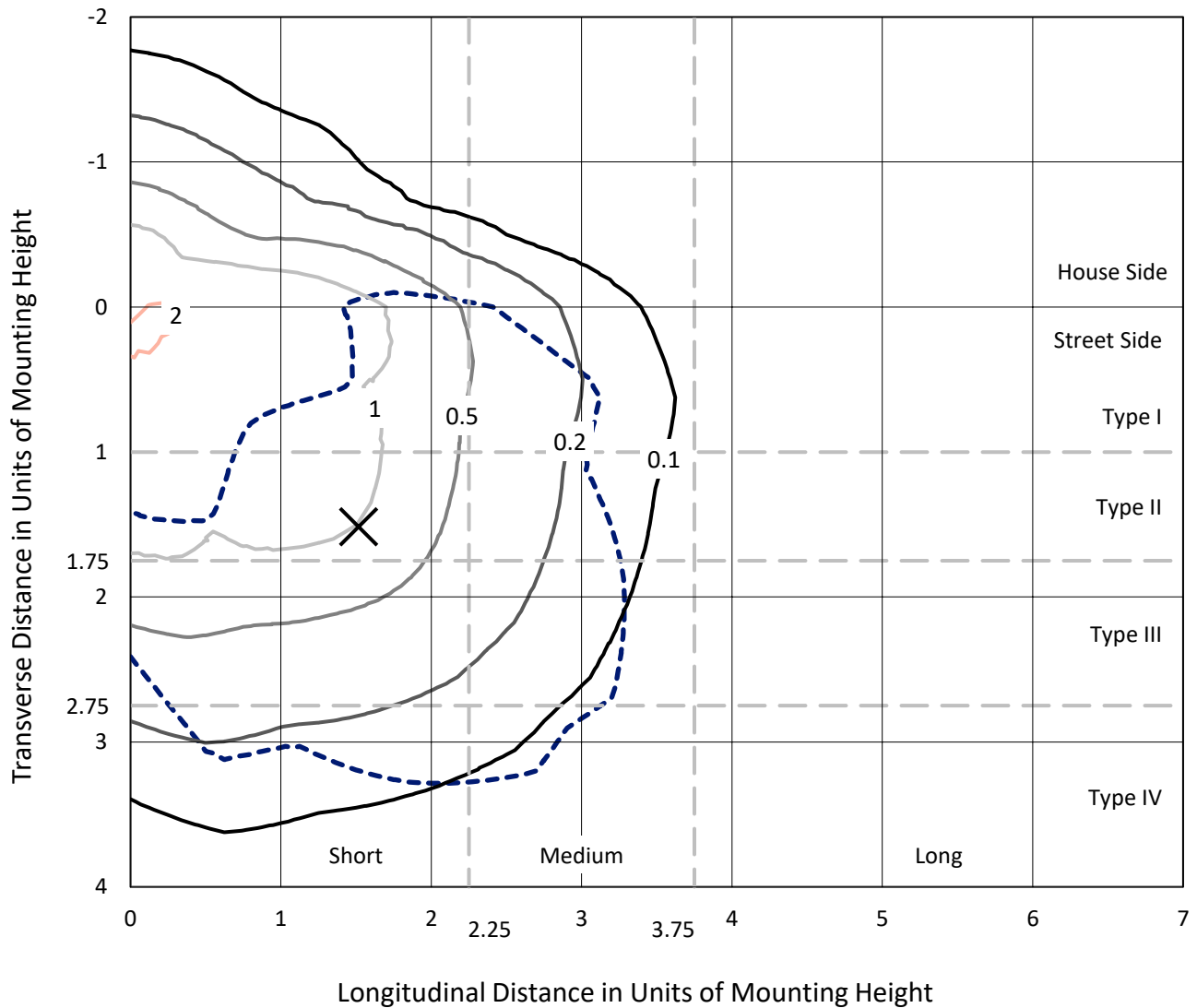
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

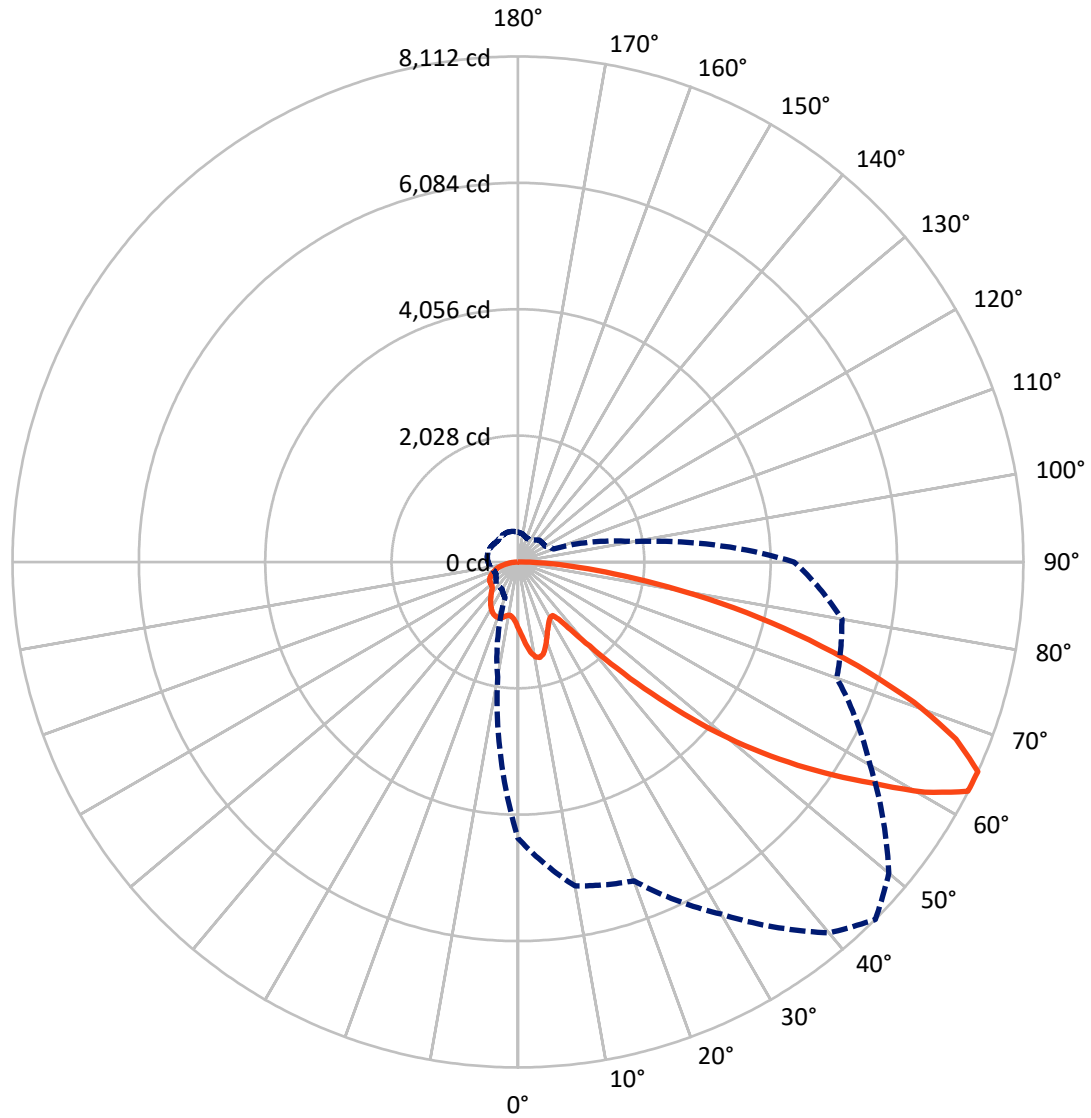
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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
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



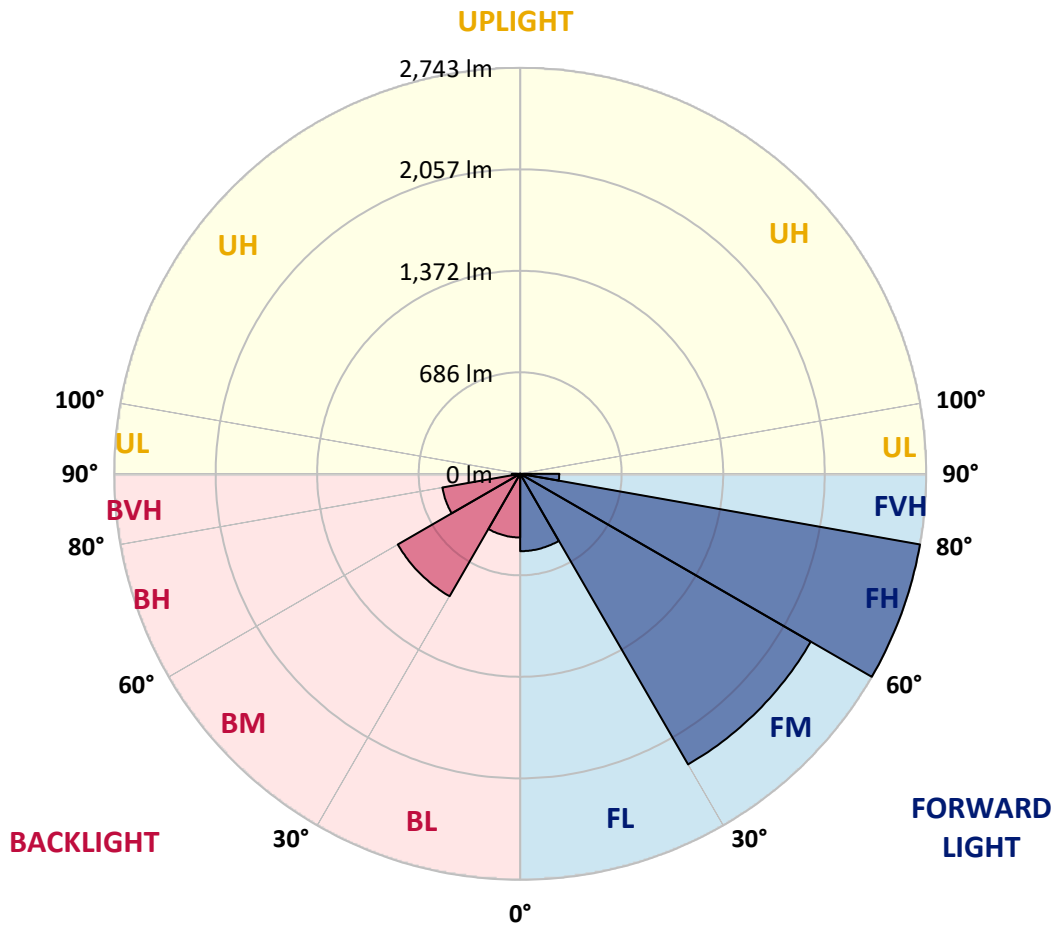
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

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	1153.8	1158.2	1164.4	1170.6	1174.3	1178.0	1179.8	1181.6	1180.8
5°	1236.0	1251.2	1266.5	1281.6	1296.7	1304.9	1313.1	1318.1	1323.1	1326.8
7.5°	1322.9	1347.7	1372.4	1394.7	1417.0	1430.4	1443.8	1451.1	1458.3	1461.8
10°	1389.6	1418.9	1448.2	1474.3	1500.4	1516.2	1532.0	1539.1	1546.1	1548.7
12.5°	1430.4	1462.1	1493.9	1517.5	1541.0	1552.5	1564.0	1567.8	1571.7	1572.1
15°	1455.2	1482.6	1510.0	1524.8	1539.6	1540.0	1540.4	1536.3	1532.2	1527.4
17.5°	1469.2	1487.7	1506.2	1506.4	1506.7	1490.1	1473.5	1458.3	1443.0	1432.2
20°	1484.5	1491.0	1497.5	1478.0	1458.5	1421.8	1385.2	1358.5	1331.8	1315.4
22.5°	1502.4	1493.9	1485.5	1445.1	1404.8	1350.8	1296.9	1263.5	1230.1	1212.0
25°	1525.4	1498.7	1472.0	1410.8	1349.5	1284.0	1218.5	1183.4	1148.3	1131.2
27.5°	1556.5	1508.9	1461.2	1380.0	1298.9	1226.3	1153.7	1119.1	1084.6	1068.4
30°	1598.6	1527.5	1456.4	1356.5	1256.6	1181.0	1105.4	1073.3	1041.3	1026.2
32.5°	1648.2	1550.9	1453.6	1340.5	1227.5	1156.4	1085.3	1060.2	1035.0	1024.1
35°	1708.5	1589.4	1470.3	1352.5	1234.8	1185.4	1136.0	1130.2	1124.3	1123.4
37.5°	1810.0	1669.9	1529.8	1422.7	1315.7	1312.5	1309.3	1336.1	1362.9	1376.9
40°	1963.4	1811.0	1658.7	1579.0	1499.4	1555.6	1611.8	1677.0	1742.2	1774.7
42.5°	2166.8	2015.6	1864.5	1818.6	1772.8	1895.3	2017.9	2136.5	2255.1	2324.7
45°	2418.0	2282.2	2146.4	2126.2	2105.9	2302.3	2498.6	2693.5	2888.5	3006.8
47.5°	2732.2	2600.1	2468.0	2463.9	2459.8	2743.0	3026.2	3311.5	3596.8	3764.4
50°	3144.0	2980.8	2817.7	2818.4	2819.1	3184.1	3549.1	3925.8	4302.4	4530.1
52.5°	3616.7	3419.1	3221.5	3201.6	3181.5	3617.6	4053.6	4519.6	4985.6	5258.6
55°	4120.0	3924.7	3729.5	3651.6	3573.7	4059.0	4544.3	5099.8	5655.4	5980.0
57.5°	4577.7	4471.4	4365.0	4208.8	4052.6	4542.6	5032.6	5661.9	6291.1	6693.7
60°	4854.3	5019.5	5184.6	4990.6	4796.6	5260.4	5724.1	6397.8	7071.5	7506.6
62.5°	4713.9	5165.1	5616.3	5594.4	5572.5	5997.3	6422.1	7063.1	7704.1	8106.2
65°	4432.7	4856.2	5279.7	5363.5	5447.2	5987.1	6526.9	7148.5	7770.0	8112.4
67.5°	4056.0	4458.8	4861.5	4900.8	4940.1	5502.5	6065.0	6689.2	7313.4	7581.6
70°	3603.4	4041.5	4479.6	4497.1	4514.7	5017.8	5520.7	6057.9	6595.0	6744.1
72.5°	3064.0	3566.8	4069.5	4082.2	4094.7	4488.3	4881.8	5284.1	5686.4	5701.5
75°	2381.7	2902.1	3422.4	3469.1	3515.8	3822.0	4128.2	4411.4	4694.6	4618.7
77.5°	1701.7	2187.4	2673.2	2740.0	2806.9	3039.6	3272.4	3473.2	3674.1	3543.7
80°	1113.8	1522.4	1931.0	2014.1	2097.2	2273.0	2448.7	2554.2	2659.6	2449.8
82.5°	647.4	926.8	1206.2	1299.0	1391.8	1512.8	1633.8	1677.8	1721.8	1556.9
85°	284.9	433.1	581.4	660.3	739.3	838.7	938.1	963.1	988.1	856.0
87.5°	88.2	138.0	187.8	231.9	275.9	325.7	375.4	377.5	379.6	318.7
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
1181.6	2.5°	1179.8	1178.0	1174.3	1170.6	1164.4	1158.2	1153.8	1149.4	1140.6	1131.8
1323.1	5°	1318.1	1313.1	1304.9	1296.7	1281.6	1266.5	1251.2	1236.0	1216.5	1197.0
1458.3	7.5°	1451.1	1443.8	1430.4	1417.0	1394.7	1372.4	1347.7	1322.9	1290.8	1258.7
1546.1	10°	1539.1	1532.0	1516.2	1500.4	1474.3	1448.2	1418.9	1389.6	1348.9	1308.3
1571.7	12.5°	1567.8	1564.0	1552.5	1541.0	1517.5	1493.9	1462.1	1430.4	1385.7	1341.1
1532.2	15°	1536.3	1540.4	1540.0	1539.6	1524.8	1510.0	1482.6	1455.2	1408.7	1362.1
1443.0	17.5°	1458.3	1473.5	1490.1	1506.7	1506.4	1506.2	1487.7	1469.2	1422.0	1374.7
1331.8	20°	1358.5	1385.2	1421.8	1458.5	1478.0	1497.5	1491.0	1484.5	1435.5	1386.4
1230.1	22.5°	1263.5	1296.9	1350.8	1404.8	1445.1	1485.5	1493.9	1502.4	1452.3	1402.1
1148.3	25°	1183.4	1218.5	1284.0	1349.5	1410.8	1472.0	1498.7	1525.4	1476.2	1427.1
1084.6	27.5°	1119.1	1153.7	1226.3	1298.9	1380.0	1461.2	1508.9	1556.5	1509.7	1462.8
1041.3	30°	1073.3	1105.4	1181.0	1256.6	1356.5	1456.4	1527.5	1598.6	1553.3	1508.0
1035.0	32.5°	1060.2	1085.3	1156.4	1227.5	1340.5	1453.6	1550.9	1648.2	1603.4	1558.6
1124.3	35°	1130.2	1136.0	1185.4	1234.8	1352.5	1470.3	1589.4	1708.5	1665.6	1622.6
1362.9	37.5°	1336.1	1309.3	1312.5	1315.7	1422.7	1529.8	1669.9	1810.0	1755.3	1700.6
1742.2	40°	1677.0	1611.8	1555.6	1499.4	1579.0	1658.7	1811.0	1963.4	1883.7	1803.9
2255.1	42.5°	2136.5	2017.9	1895.3	1772.8	1818.6	1864.5	2015.6	2166.8	2051.7	1936.7
2888.5	45°	2693.5	2498.6	2302.3	2105.9	2126.2	2146.4	2282.2	2418.0	2262.8	2107.6
3596.8	47.5°	3311.5	3026.2	2743.0	2459.8	2463.9	2468.0	2600.1	2732.2	2513.7	2295.2
4302.4	50°	3925.8	3549.1	3184.1	2819.1	2818.4	2817.7	2980.8	3144.0	2814.6	2485.2
4985.6	52.5°	4519.6	4053.6	3617.6	3181.5	3201.6	3221.5	3419.1	3616.7	3130.7	2644.7
5655.4	55°	5099.8	4544.3	4059.0	3573.7	3651.6	3729.5	3924.7	4120.0	3410.9	2701.9
6291.1	57.5°	5661.9	5032.6	4542.6	4052.6	4208.8	4365.0	4471.4	4577.7	3609.5	2641.3
7071.5	60°	6397.8	5724.1	5260.4	4796.6	4990.6	5184.6	5019.5	4854.3	3659.1	2463.9
7704.1	62.5°	7063.1	6422.1	5997.3	5572.5	5594.4	5616.3	5165.1	4713.9	3450.2	2186.4
7770.0	65°	7148.5	6526.9	5987.1	5447.2	5363.5	5279.7	4856.2	4432.7	3154.5	1876.2
7313.4	67.5°	6689.2	6065.0	5502.5	4940.1	4900.8	4861.5	4458.8	4056.0	2802.6	1549.2
6595.0	70°	6057.9	5520.7	5017.8	4514.7	4497.1	4479.6	4041.5	3603.4	2418.7	1233.9
5686.4	72.5°	5284.1	4881.8	4488.3	4094.7	4082.2	4069.5	3566.8	3064.0	2002.4	940.9
4694.6	75°	4411.4	4128.2	3822.0	3515.8	3469.1	3422.4	2902.1	2381.7	1525.3	668.9
3674.1	77.5°	3473.2	3272.4	3039.6	2806.9	2740.0	2673.2	2187.4	1701.7	1067.6	433.4
2659.6	80°	2554.2	2448.7	2273.0	2097.2	2014.1	1931.0	1522.4	1113.8	687.8	261.9
1721.8	82.5°	1677.8	1633.8	1512.8	1391.8	1299.0	1206.2	926.8	647.4	398.1	148.8
988.1	85°	963.1	938.1	838.7	739.3	660.3	581.4	433.1	284.9	179.1	73.3
379.6	87.5°	377.5	375.4	325.7	275.9	231.9	187.8	138.0	88.2	58.7	29.1
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°
1068.9	0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
1122.4	2.5°	1113.1	1103.6	1094.2	1085.2	1076.2	1067.4	1057.7	1049.8	1042.0	1034.9
1177.6	5°	1158.2	1138.6	1119.1	1100.8	1082.6	1065.4	1048.3	1033.5	1018.6	1006.1
1229.0	7.5°	1199.3	1170.4	1141.5	1116.0	1090.5	1067.0	1045.0	1025.2	1005.5	989.1
1269.0	10°	1229.8	1194.7	1159.6	1129.5	1099.3	1070.3	1046.6	1025.8	1005.0	988.5
1296.7	12.5°	1252.2	1210.8	1169.3	1135.3	1101.2	1070.7	1048.7	1031.6	1014.6	1003.7
1313.9	15°	1265.6	1217.9	1170.2	1130.8	1091.3	1057.6	1039.9	1031.8	1023.7	1025.1
1322.1	17.5°	1269.5	1214.1	1158.8	1111.3	1063.9	1024.1	1013.3	1016.3	1019.2	1037.1
1328.6	20°	1270.7	1203.6	1136.5	1077.7	1018.9	972.7	969.8	983.7	997.7	1028.7
1337.3	22.5°	1272.4	1190.8	1109.1	1038.3	967.5	914.8	920.5	941.1	961.7	997.2
1353.0	25°	1278.9	1178.0	1077.3	994.3	911.4	857.4	872.6	896.4	920.2	952.0
1377.6	27.5°	1292.4	1169.5	1046.7	954.1	861.4	812.3	830.8	853.7	876.7	902.9
1409.5	30°	1310.9	1165.6	1020.1	920.4	820.7	779.5	794.0	812.2	830.5	852.2
1442.7	32.5°	1326.9	1160.6	994.3	891.4	788.5	755.3	761.7	772.5	783.3	800.7
1480.6	35°	1338.7	1151.4	964.2	862.9	761.7	734.0	731.3	734.3	737.2	750.5
1523.1	37.5°	1345.6	1135.5	925.4	829.4	733.4	709.2	699.4	696.1	692.8	702.3
1577.0	40°	1350.0	1113.6	877.3	789.3	701.4	679.4	664.4	657.0	649.6	656.4
1647.5	42.5°	1358.3	1091.1	823.9	745.2	666.4	646.2	627.3	617.5	607.6	613.2
1740.3	45°	1373.0	1070.1	767.3	698.2	629.2	608.7	590.4	580.8	571.3	575.9
1839.1	47.5°	1383.0	1052.8	722.6	661.1	599.6	573.2	557.5	549.4	541.4	545.8
1930.8	50°	1376.5	1034.0	691.4	636.5	581.5	546.7	528.5	521.3	514.2	521.1
1990.4	52.5°	1336.1	1002.1	668.1	620.2	572.4	532.4	506.9	499.8	492.8	503.2
1977.3	55°	1252.6	949.3	645.9	608.5	571.0	533.8	495.4	484.2	473.1	487.8
1884.9	57.5°	1128.5	874.8	621.0	594.5	568.1	535.2	488.5	472.2	456.0	471.8
1713.0	60°	962.1	778.1	594.0	573.2	552.4	530.7	482.0	461.0	439.9	453.8
1480.6	62.5°	774.7	662.3	549.9	536.1	522.3	519.7	474.5	448.1	421.8	430.7
1243.4	65°	610.6	558.2	505.7	499.2	492.7	493.0	458.5	430.6	402.6	406.0
1011.1	67.5°	473.0	458.1	443.2	446.8	450.4	449.5	430.2	406.9	383.6	382.5
796.1	70°	358.3	362.5	366.8	383.7	400.5	400.5	394.2	377.6	361.0	357.3
608.6	72.5°	276.4	289.2	302.1	326.0	349.9	354.0	354.0	342.7	331.3	325.9
441.7	75°	214.6	226.2	237.9	264.7	291.5	310.1	308.5	299.8	291.0	285.8
299.3	77.5°	165.2	173.1	181.1	207.1	233.2	263.7	262.9	255.9	248.9	243.6
192.9	80°	123.9	127.1	130.4	152.5	174.5	211.0	210.9	205.0	199.1	194.7
118.6	82.5°	88.5	89.1	89.7	106.0	122.2	153.4	155.1	152.2	149.4	146.3
63.4	85°	53.5	53.2	52.9	64.8	76.7	99.9	102.1	99.1	96.0	92.5
26.3	87.5°	23.5	23.2	22.9	27.7	32.6	42.2	45.1	43.9	42.7	42.0
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°
1068.9	0°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
1027.8	2.5°	1021.6	1015.5	1009.2	1003.0	998.2	993.4	989.5	985.6	982.6	979.5
993.7	5°	982.7	971.7	961.8	951.8	944.1	936.4	931.0	925.6	921.8	918.0
972.7	7.5°	958.9	945.0	932.8	920.6	911.4	902.3	895.9	889.5	885.1	880.8
972.1	10°	957.3	942.3	928.6	914.8	903.9	893.0	885.8	878.6	874.5	870.3
992.9	12.5°	981.2	969.5	955.3	941.1	927.1	913.2	904.0	894.7	890.1	885.5
1026.6	15°	1023.6	1020.5	1008.2	995.8	976.0	956.1	942.1	928.1	921.7	915.3
1055.0	17.5°	1064.5	1074.0	1064.0	1054.1	1027.8	1001.5	980.8	960.2	950.6	941.1
1059.8	20°	1079.7	1099.6	1095.0	1090.4	1060.3	1030.3	1005.0	979.6	967.5	955.2
1032.7	22.5°	1058.6	1084.4	1087.2	1090.0	1061.3	1032.6	1006.5	980.3	967.5	954.6
984.0	25°	1009.4	1034.9	1044.4	1053.9	1030.3	1006.8	983.6	960.5	949.3	938.2
929.1	27.5°	949.5	969.9	980.5	991.1	974.4	957.6	939.6	921.6	914.1	906.6
874.0	30°	890.9	907.9	916.5	925.1	912.3	899.5	886.7	873.7	869.9	866.0
818.0	32.5°	834.3	850.6	860.1	869.7	858.0	846.2	835.9	825.6	823.1	820.6
763.7	35°	779.8	795.9	807.4	818.9	810.5	802.2	792.7	783.2	779.4	775.6
711.8	37.5°	727.9	743.9	758.1	772.3	768.5	764.6	755.9	747.1	740.2	733.3
663.3	40°	678.8	694.3	710.6	727.0	727.9	728.8	721.4	714.0	703.9	693.9
618.8	42.5°	633.5	648.2	665.9	683.5	688.2	693.0	686.7	680.4	667.9	655.4
580.7	45°	594.6	608.6	626.9	645.2	651.9	658.7	653.0	647.4	633.1	618.8
550.2	47.5°	563.9	577.5	595.5	613.6	621.4	629.2	625.2	621.3	608.6	595.9
528.1	50°	540.9	553.8	569.9	586.1	596.1	606.1	605.9	605.7	595.5	585.4
513.5	52.5°	525.3	537.1	552.1	567.2	579.1	590.9	593.1	595.2	586.9	578.6
502.5	55°	515.2	527.9	541.2	554.3	566.9	579.5	582.4	585.4	578.1	570.9
487.7	57.5°	502.6	517.5	530.6	543.7	556.3	569.0	572.0	575.0	567.6	560.3
467.7	60°	484.8	501.9	515.2	528.5	541.2	553.9	557.2	560.5	553.3	546.2
439.5	62.5°	459.5	479.5	493.6	507.8	519.4	531.1	534.2	537.4	530.9	524.5
409.3	65°	430.7	452.2	465.7	479.3	489.5	499.8	503.0	506.2	500.0	493.8
381.4	67.5°	401.2	421.0	433.9	446.7	455.5	464.4	467.5	470.6	464.9	459.3
353.6	70°	371.0	388.4	399.5	410.6	418.6	426.6	429.6	432.6	428.0	423.4
320.5	72.5°	334.2	347.9	357.9	367.9	375.7	383.6	387.2	390.8	386.9	383.1
280.6	75°	290.8	301.0	310.0	319.1	326.2	333.4	337.1	340.9	339.0	337.1
238.4	77.5°	246.7	254.9	262.7	270.5	278.0	285.5	289.0	292.5	289.9	287.2
190.3	80°	197.2	204.1	210.6	217.2	222.9	228.5	233.2	237.9	236.7	235.6
143.1	82.5°	142.6	142.0	139.7	137.4	149.5	161.7	169.6	177.6	177.1	176.6
89.0	85°	86.0	83.1	76.7	70.3	81.7	93.1	102.9	112.8	112.0	111.2
41.3	87.5°	41.2	41.1	36.3	31.4	36.1	40.9	44.9	48.9	47.9	46.8
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
976.7	2.5°	973.9	970.4	973.9	976.7	979.5	982.6	985.6	989.5	993.4	998.2
915.1	5°	912.2	909.3	912.2	915.1	918.0	921.8	925.6	931.0	936.4	944.1
878.2	7.5°	875.6	873.6	875.6	878.2	880.8	885.1	889.5	895.9	902.3	911.4
868.1	10°	865.9	865.0	865.9	868.1	870.3	874.5	878.6	885.8	893.0	903.9
883.6	12.5°	881.7	881.4	881.7	883.6	885.5	890.1	894.7	904.0	913.2	927.1
912.8	15°	910.3	910.1	910.3	912.8	915.3	921.7	928.1	942.1	956.1	976.0
938.0	17.5°	934.8	934.3	934.8	938.0	941.1	950.6	960.2	980.8	1001.5	1027.8
951.3	20°	947.4	946.2	947.4	951.3	955.2	967.5	979.6	1005.0	1030.3	1060.3
950.3	22.5°	946.0	944.2	946.0	950.3	954.6	967.5	980.3	1006.5	1032.6	1061.3
934.2	25°	930.1	927.8	930.1	934.2	938.2	949.3	960.5	983.6	1006.8	1030.3
904.8	27.5°	902.9	902.3	902.9	904.8	906.6	914.1	921.6	939.6	957.6	974.4
866.0	30°	866.0	866.6	866.0	866.0	866.0	869.9	873.7	886.7	899.5	912.3
821.0	32.5°	821.3	821.9	821.3	821.0	820.6	823.1	825.6	835.9	846.2	858.0
774.8	35°	774.0	773.5	774.0	774.8	775.6	779.4	783.2	792.7	802.2	810.5
729.6	37.5°	726.0	723.9	726.0	729.6	733.3	740.2	747.1	755.9	764.6	768.5
687.1	40°	680.4	676.3	680.4	687.1	693.9	703.9	714.0	721.4	728.8	727.9
645.5	42.5°	635.7	629.2	635.7	645.5	655.4	667.9	680.4	686.7	693.0	688.2
607.2	45°	595.6	588.2	595.6	607.2	618.8	633.1	647.4	653.0	658.7	651.9
585.1	47.5°	574.4	567.2	574.4	585.1	595.9	608.6	621.3	625.2	629.2	621.4
575.4	50°	565.5	558.6	565.5	575.4	585.4	595.5	605.7	605.9	606.1	596.1
569.7	52.5°	560.9	554.5	560.9	569.7	578.6	586.9	595.2	593.1	590.9	579.1
563.1	55°	555.3	549.6	555.3	563.1	570.9	578.1	585.4	582.4	579.5	566.9
552.6	57.5°	544.9	538.9	544.9	552.6	560.3	567.6	575.0	572.0	569.0	556.3
538.3	60°	530.3	524.2	530.3	538.3	546.2	553.3	560.5	557.2	553.9	541.2
516.1	62.5°	507.8	500.4	507.8	516.1	524.5	530.9	537.4	534.2	531.1	519.4
485.7	65°	477.6	471.3	477.6	485.7	493.8	500.0	506.2	503.0	499.8	489.5
451.7	67.5°	444.2	438.5	444.2	451.7	459.3	464.9	470.6	467.5	464.4	455.5
416.1	70°	408.9	402.4	408.9	416.1	423.4	428.0	432.6	429.6	426.6	418.6
376.2	72.5°	369.3	363.0	369.3	376.2	383.1	386.9	390.8	387.2	383.6	375.7
331.4	75°	325.6	319.5	325.6	331.4	337.1	339.0	340.9	337.1	333.4	326.2
281.4	77.5°	275.5	270.7	275.5	281.4	287.2	289.9	292.5	289.0	285.5	278.0
227.8	80°	219.9	210.8	219.9	227.8	235.6	236.7	237.9	233.2	228.5	222.9
170.0	82.5°	163.3	157.5	163.3	170.0	176.6	177.1	177.6	169.6	161.7	149.5
106.0	85°	100.8	95.6	100.8	106.0	111.2	112.0	112.8	102.9	93.1	81.7
44.2	87.5°	41.5	39.0	41.5	44.2	46.8	47.9	48.9	44.9	40.9	36.1
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):

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
1003.0	2.5°	1009.2	1015.5	1021.6	1027.8	1034.9	1042.0	1049.8	1057.7	1067.4	1076.2
951.8	5°	961.8	971.7	982.7	993.7	1006.1	1018.6	1033.5	1048.3	1065.4	1082.6
920.6	7.5°	932.8	945.0	958.9	972.7	989.1	1005.5	1025.2	1045.0	1067.0	1090.5
914.8	10°	928.6	942.3	957.3	972.1	988.5	1005.0	1025.8	1046.6	1070.3	1099.3
941.1	12.5°	955.3	969.5	981.2	992.9	1003.7	1014.6	1031.6	1048.7	1070.7	1101.2
995.8	15°	1008.2	1020.5	1023.6	1026.6	1025.1	1023.7	1031.8	1039.9	1057.6	1091.3
1054.1	17.5°	1064.0	1074.0	1064.5	1055.0	1037.1	1019.2	1016.3	1013.3	1024.1	1063.9
1090.4	20°	1095.0	1099.6	1079.7	1059.8	1028.7	997.7	983.7	969.8	972.7	1018.9
1090.0	22.5°	1087.2	1084.4	1058.6	1032.7	997.2	961.7	941.1	920.5	914.8	967.5
1053.9	25°	1044.4	1034.9	1009.4	984.0	952.0	920.2	896.4	872.6	857.4	911.4
991.1	27.5°	980.5	969.9	949.5	929.1	902.9	876.7	853.7	830.8	812.3	861.4
925.1	30°	916.5	907.9	890.9	874.0	852.2	830.5	812.2	794.0	779.5	820.7
869.7	32.5°	860.1	850.6	834.3	818.0	800.7	783.3	772.5	761.7	755.3	788.5
818.9	35°	807.4	795.9	779.8	763.7	750.5	737.2	734.3	731.3	734.0	761.7
772.3	37.5°	758.1	743.9	727.9	711.8	702.3	692.8	696.1	699.4	709.2	733.4
727.0	40°	710.6	694.3	678.8	663.3	656.4	649.6	657.0	664.4	679.4	701.4
683.5	42.5°	665.9	648.2	633.5	618.8	613.2	607.6	617.5	627.3	646.2	666.4
645.2	45°	626.9	608.6	594.6	580.7	575.9	571.3	580.8	590.4	608.7	629.2
613.6	47.5°	595.5	577.5	563.9	550.2	545.8	541.4	549.4	557.5	573.2	599.6
586.1	50°	569.9	553.8	540.9	528.1	521.1	514.2	521.3	528.5	546.7	581.5
567.2	52.5°	552.1	537.1	525.3	513.5	503.2	492.8	499.8	506.9	532.4	572.4
554.3	55°	541.2	527.9	515.2	502.5	487.8	473.1	484.2	495.4	533.8	571.0
543.7	57.5°	530.6	517.5	502.6	487.7	471.8	456.0	472.2	488.5	535.2	568.1
528.5	60°	515.2	501.9	484.8	467.7	453.8	439.9	461.0	482.0	530.7	552.4
507.8	62.5°	493.6	479.5	459.5	439.5	430.7	421.8	448.1	474.5	519.7	522.3
479.3	65°	465.7	452.2	430.7	409.3	406.0	402.6	430.6	458.5	493.0	492.7
446.7	67.5°	433.9	421.0	401.2	381.4	382.5	383.6	406.9	430.2	449.5	450.4
410.6	70°	399.5	388.4	371.0	353.6	357.3	361.0	377.6	394.2	400.5	400.5
367.9	72.5°	357.9	347.9	334.2	320.5	325.9	331.3	342.7	354.0	354.0	349.9
319.1	75°	310.0	301.0	290.8	280.6	285.8	291.0	299.8	308.5	310.1	291.5
270.5	77.5°	262.7	254.9	246.7	238.4	243.6	248.9	255.9	262.9	263.7	233.2
217.2	80°	210.6	204.1	197.2	190.3	194.7	199.1	205.0	210.9	211.0	174.5
137.4	82.5°	139.7	142.0	142.6	143.1	146.3	149.4	152.2	155.1	153.4	122.2
70.3	85°	76.7	83.1	86.0	89.0	92.5	96.0	99.1	102.1	99.9	76.7
31.4	87.5°	36.3	41.1	41.2	41.3	42.0	42.7	43.9	45.1	42.2	32.6
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
1085.2	2.5°	1094.2	1103.6	1113.1	1122.4	1131.8	1140.6	1149.4
1100.8	5°	1119.1	1138.6	1158.2	1177.6	1197.0	1216.5	1236.0
1116.0	7.5°	1141.5	1170.4	1199.3	1229.0	1258.7	1290.8	1322.9
1129.5	10°	1159.6	1194.7	1229.8	1269.0	1308.3	1348.9	1389.6
1135.3	12.5°	1169.3	1210.8	1252.2	1296.7	1341.1	1385.7	1430.4
1130.8	15°	1170.2	1217.9	1265.6	1313.9	1362.1	1408.7	1455.2
1111.3	17.5°	1158.8	1214.1	1269.5	1322.1	1374.7	1422.0	1469.2
1077.7	20°	1136.5	1203.6	1270.7	1328.6	1386.4	1435.5	1484.5
1038.3	22.5°	1109.1	1190.8	1272.4	1337.3	1402.1	1452.3	1502.4
994.3	25°	1077.3	1178.0	1278.9	1353.0	1427.1	1476.2	1525.4
954.1	27.5°	1046.7	1169.5	1292.4	1377.6	1462.8	1509.7	1556.5
920.4	30°	1020.1	1165.6	1310.9	1409.5	1508.0	1553.3	1598.6
891.4	32.5°	994.3	1160.6	1326.9	1442.7	1558.6	1603.4	1648.2
862.9	35°	964.2	1151.4	1338.7	1480.6	1622.6	1665.6	1708.5
829.4	37.5°	925.4	1135.5	1345.6	1523.1	1700.6	1755.3	1810.0
789.3	40°	877.3	1113.6	1350.0	1577.0	1803.9	1883.7	1963.4
745.2	42.5°	823.9	1091.1	1358.3	1647.5	1936.7	2051.7	2166.8
698.2	45°	767.3	1070.1	1373.0	1740.3	2107.6	2262.8	2418.0
661.1	47.5°	722.6	1052.8	1383.0	1839.1	2295.2	2513.7	2732.2
636.5	50°	691.4	1034.0	1376.5	1930.8	2485.2	2814.6	3144.0
620.2	52.5°	668.1	1002.1	1336.1	1990.4	2644.7	3130.7	3616.7
608.5	55°	645.9	949.3	1252.6	1977.3	2701.9	3410.9	4120.0
594.5	57.5°	621.0	874.8	1128.5	1884.9	2641.3	3609.5	4577.7
573.2	60°	594.0	778.1	962.1	1713.0	2463.9	3659.1	4854.3
536.1	62.5°	549.9	662.3	774.7	1480.6	2186.4	3450.2	4713.9
499.2	65°	505.7	558.2	610.6	1243.4	1876.2	3154.5	4432.7
446.8	67.5°	443.2	458.1	473.0	1011.1	1549.2	2802.6	4056.0
383.7	70°	366.8	362.5	358.3	796.1	1233.9	2418.7	3603.4
326.0	72.5°	302.1	289.2	276.4	608.6	940.9	2002.4	3064.0
264.7	75°	237.9	226.2	214.6	441.7	668.9	1525.3	2381.7
207.1	77.5°	181.1	173.1	165.2	299.3	433.4	1067.6	1701.7
152.5	80°	130.4	127.1	123.9	192.9	261.9	687.8	1113.8
106.0	82.5°	89.7	89.1	88.5	118.6	148.8	398.1	647.4
64.8	85°	52.9	53.2	53.5	63.4	73.3	179.1	284.9
27.7	87.5°	22.9	23.2	23.5	26.3	29.1	58.7	88.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)