

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: P946436

Luminaire Tested: **GALN-SB2A-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946436
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-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8032 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

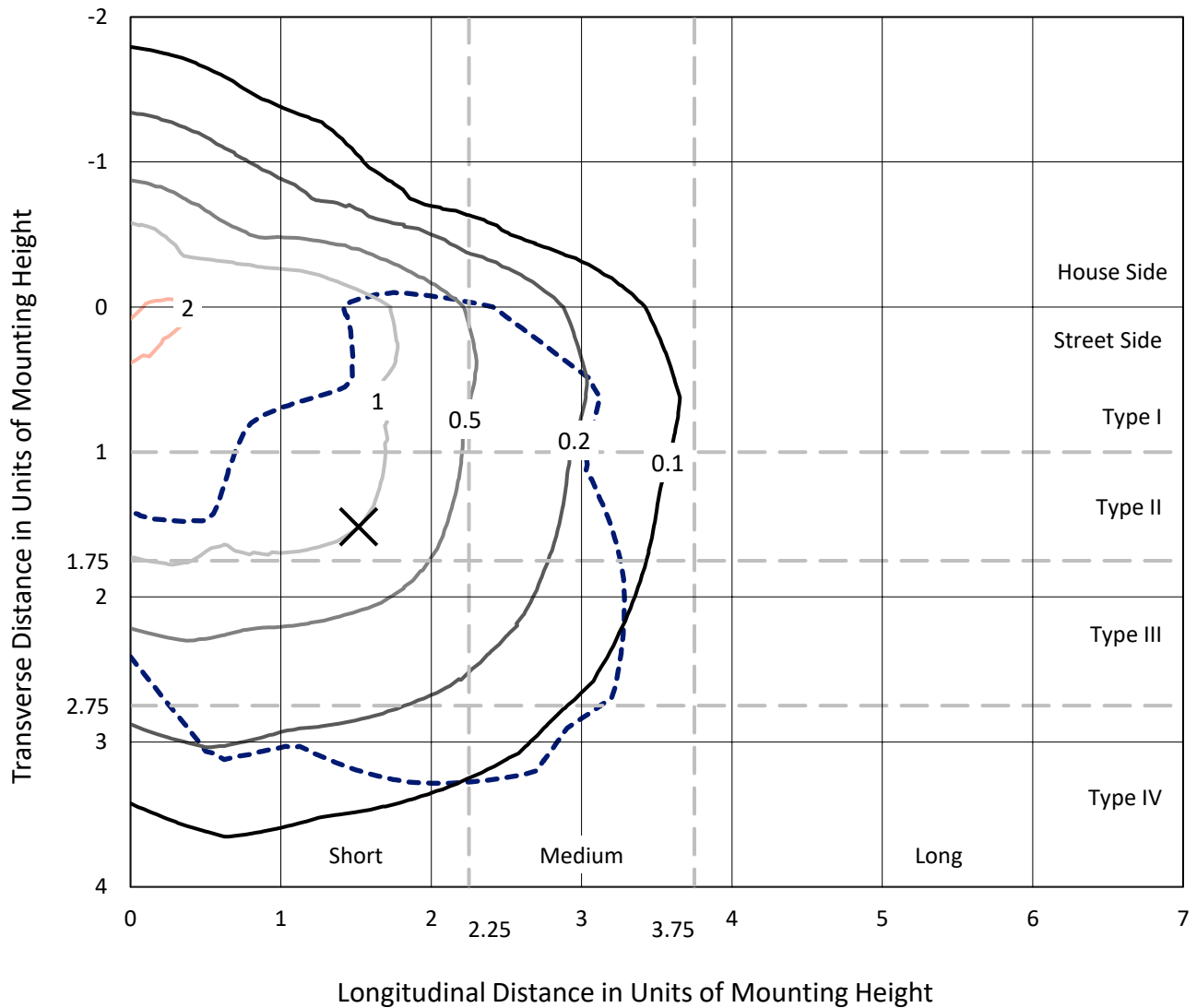
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

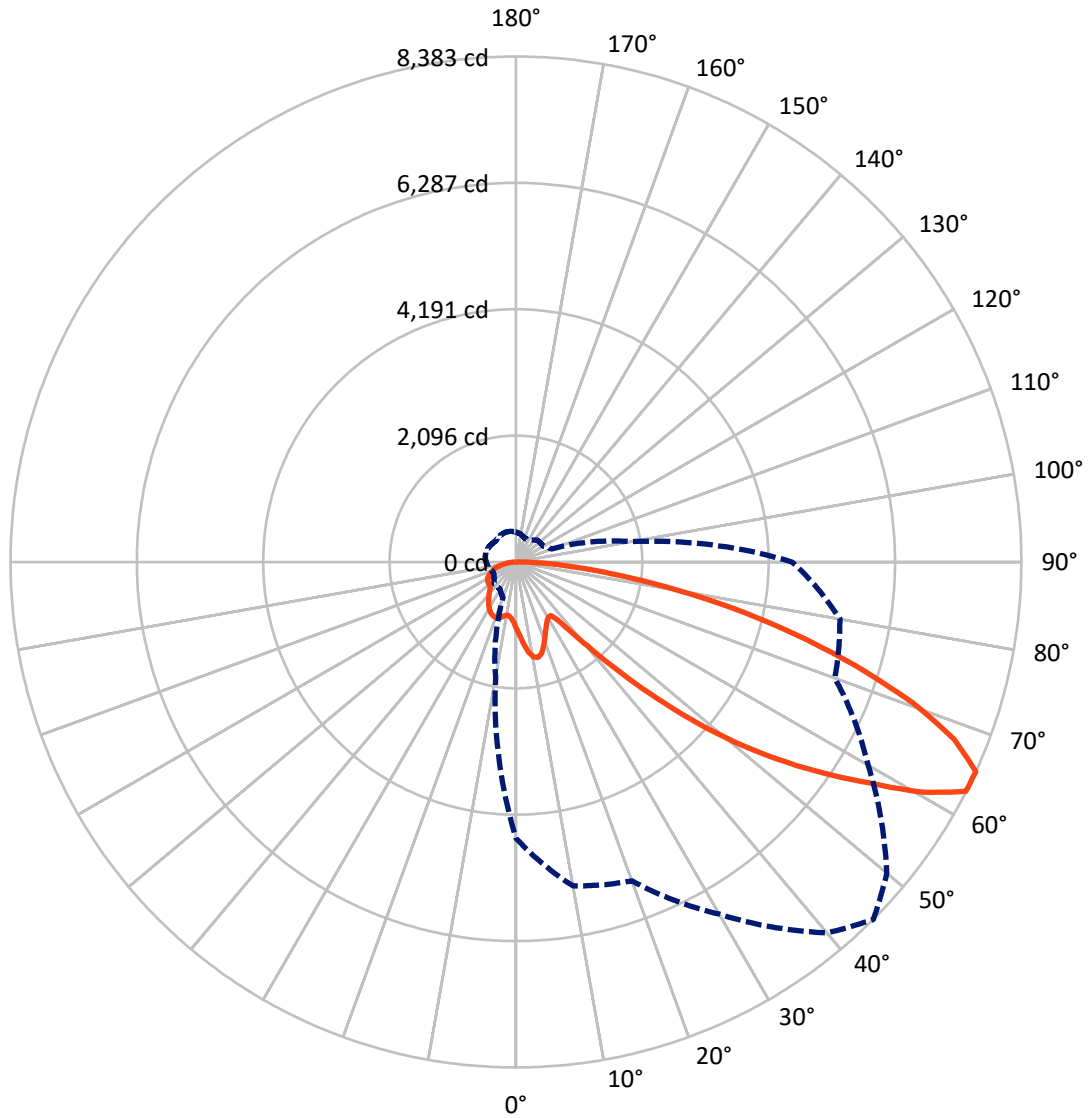
✕ Max cd
 - - - 1/2 Max cd



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	2041.3	0.0	2041.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	5990.7	0.0	5990.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	8032.0	0.0	8032.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	1.4
10°-20°	343.9	4.3
20°-30°	531.3	6.6
30°-40°	673.2	8.4
40°-50°	1015.4	12.6
50°-60°	1640.6	20.4
60°-70°	2045.2	25.5
70°-80°	1341.2	16.7
80°-90°	331.6	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°	8032.0	100.0
0°-180°	8032.0	100.0



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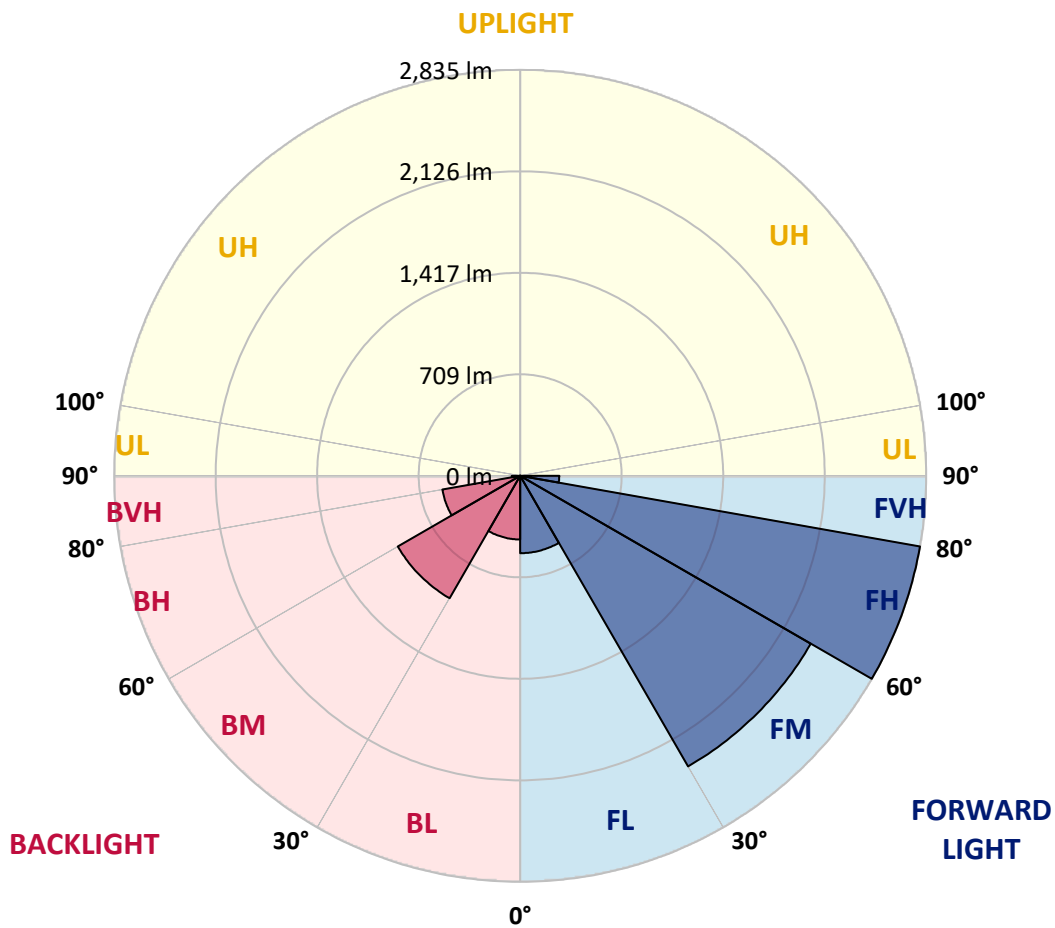
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.2	6.7			
FM (30°-60°)	2342.8	29.2			
FH (60°-80°)	2834.5	35.3			G2/5000
FVH (80°-90°)	273.1	3.4			G3/500
BL (0°-30°)	444.5	5.5	B1/500		
BM (30°-60°)	986.5	12.3	B1/1000		
BH (60°-80°)	551.9	6.9	B2/1000		G2/1000
BVH (80°-90°)	58.4	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°	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5
2.5°	1187.7	1192.2	1196.8	1203.2	1209.6	1213.4	1217.2	1219.1	1221.0	1220.2
5°	1277.2	1292.9	1308.7	1324.3	1339.9	1348.4	1356.9	1362.0	1367.2	1371.1
7.5°	1367.0	1392.6	1418.2	1441.2	1464.2	1478.1	1491.9	1499.4	1506.9	1510.5
10°	1435.9	1466.2	1496.4	1523.4	1550.4	1566.8	1583.0	1590.3	1597.6	1600.3
12.5°	1478.1	1510.9	1543.6	1568.0	1592.4	1604.2	1616.1	1620.1	1624.1	1624.5
15°	1503.7	1532.0	1560.3	1575.6	1590.9	1591.4	1591.8	1587.5	1583.3	1578.3
17.5°	1518.1	1537.2	1556.3	1556.6	1556.9	1539.7	1522.6	1506.8	1491.1	1480.0
20°	1534.0	1540.7	1547.4	1527.2	1507.1	1469.2	1431.3	1403.7	1376.1	1359.2
22.5°	1552.4	1543.7	1535.0	1493.3	1451.6	1395.8	1340.1	1305.6	1271.1	1252.4
25°	1576.2	1548.6	1521.1	1457.8	1394.4	1326.8	1259.1	1222.8	1186.6	1168.9
27.5°	1608.4	1559.1	1509.9	1426.0	1342.1	1267.1	1192.1	1156.4	1120.8	1104.0
30°	1651.8	1578.4	1505.0	1401.7	1298.5	1220.3	1142.2	1109.1	1076.0	1060.4
32.5°	1703.1	1602.5	1502.0	1385.2	1268.4	1195.0	1121.5	1095.5	1069.5	1058.3
35°	1765.4	1642.3	1519.3	1397.6	1275.9	1224.9	1173.9	1167.8	1161.8	1160.8
37.5°	1870.3	1725.5	1580.8	1470.1	1359.5	1356.2	1352.9	1380.6	1408.3	1422.8
40°	2028.8	1871.4	1713.9	1631.7	1549.4	1607.5	1665.5	1732.9	1800.3	1833.9
42.5°	2239.0	2082.8	1926.6	1879.2	1831.8	1958.5	2085.1	2207.7	2330.2	2402.2
45°	2498.6	2358.3	2217.9	2197.0	2176.1	2379.0	2581.9	2783.3	2984.7	3107.0
47.5°	2823.3	2686.8	2550.2	2546.0	2541.7	2834.4	3127.0	3421.9	3716.7	3889.8
50°	3248.8	3080.1	2911.5	2912.3	2913.0	3290.2	3667.4	4056.6	4445.8	4681.1
52.5°	3737.2	3533.0	3328.9	3308.2	3287.6	3738.1	4188.7	4670.2	5151.7	5433.8
55°	4257.2	4055.5	3853.8	3773.3	3692.8	4194.3	4695.7	5269.8	5843.8	6179.3
57.5°	4730.2	4620.4	4510.5	4349.0	4187.7	4694.0	5200.3	5850.6	6500.7	6916.7
60°	5016.1	5186.7	5357.4	5156.9	4956.5	5435.6	5914.8	6611.0	7307.1	7756.7
62.5°	4870.9	5337.2	5803.4	5780.8	5758.2	6197.1	6636.1	7298.5	7960.8	8376.3
65°	4580.4	5018.0	5455.6	5542.2	5628.7	6186.6	6744.4	7386.7	8028.9	8382.7
67.5°	4191.1	4607.3	5023.5	5064.1	5104.7	5685.9	6267.1	6912.1	7557.1	7834.3
70°	3723.5	4176.1	4628.9	4647.0	4665.2	5184.9	5704.7	6259.7	6814.8	6968.8
72.5°	3166.1	3685.6	4205.1	4218.2	4231.2	4637.8	5044.5	5460.2	5875.9	5891.5
75°	2461.1	2998.8	3536.4	3584.7	3633.0	3949.3	4265.7	4558.4	4851.0	4772.6
77.5°	1758.4	2260.3	2762.2	2831.3	2900.4	3140.9	3381.4	3589.0	3796.6	3661.8
80°	1150.9	1573.1	1995.3	2081.2	2167.1	2348.7	2530.3	2639.3	2748.2	2531.5
82.5°	669.0	957.7	1246.4	1342.3	1438.2	1563.3	1688.3	1733.8	1779.2	1608.8
85°	294.3	447.6	600.8	682.3	763.9	866.7	969.4	995.2	1021.0	884.5
87.5°	91.1	142.6	194.1	239.6	285.1	336.5	387.9	390.1	392.2	329.3
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°
1104.5	0°	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5
1221.0	2.5°	1219.1	1217.2	1213.4	1209.6	1203.2	1196.8	1192.2	1187.7	1178.6	1169.5
1367.2	5°	1362.0	1356.9	1348.4	1339.9	1324.3	1308.7	1292.9	1277.2	1257.0	1236.9
1506.9	7.5°	1499.4	1491.9	1478.1	1464.2	1441.2	1418.2	1392.6	1367.0	1333.8	1300.6
1597.6	10°	1590.3	1583.0	1566.8	1550.4	1523.4	1496.4	1466.2	1435.9	1393.9	1351.9
1624.1	12.5°	1620.1	1616.1	1604.2	1592.4	1568.0	1543.6	1510.9	1478.1	1431.9	1385.8
1583.3	15°	1587.5	1591.8	1591.4	1590.9	1575.6	1560.3	1532.0	1503.7	1455.6	1407.5
1491.1	17.5°	1506.8	1522.6	1539.7	1556.9	1556.6	1556.3	1537.2	1518.1	1469.3	1420.6
1376.1	20°	1403.7	1431.3	1469.2	1507.1	1527.2	1547.4	1540.7	1534.0	1483.3	1432.6
1271.1	22.5°	1305.6	1340.1	1395.8	1451.6	1493.3	1535.0	1543.7	1552.4	1500.7	1448.8
1186.6	25°	1222.8	1259.1	1326.8	1394.4	1457.8	1521.1	1548.6	1576.2	1525.4	1474.7
1120.8	27.5°	1156.4	1192.1	1267.1	1342.1	1426.0	1509.9	1559.1	1608.4	1560.0	1511.5
1076.0	30°	1109.1	1142.2	1220.3	1298.5	1401.7	1505.0	1578.4	1651.8	1605.0	1558.3
1069.5	32.5°	1095.5	1121.5	1195.0	1268.4	1385.2	1502.0	1602.5	1703.1	1656.8	1610.5
1161.8	35°	1167.8	1173.9	1224.9	1275.9	1397.6	1519.3	1642.3	1765.4	1721.1	1676.7
1408.3	37.5°	1380.6	1352.9	1356.2	1359.5	1470.1	1580.8	1725.5	1870.3	1813.8	1757.2
1800.3	40°	1732.9	1665.5	1607.5	1549.4	1631.7	1713.9	1871.4	2028.8	1946.4	1864.0
2330.2	42.5°	2207.7	2085.1	1958.5	1831.8	1879.2	1926.6	2082.8	2239.0	2120.1	2001.2
2984.7	45°	2783.3	2581.9	2379.0	2176.1	2197.0	2217.9	2358.3	2498.6	2338.2	2177.8
3716.7	47.5°	3421.9	3127.0	2834.4	2541.7	2546.0	2550.2	2686.8	2823.3	2597.5	2371.7
4445.8	50°	4056.6	3667.4	3290.2	2913.0	2912.3	2911.5	3080.1	3248.8	2908.4	2568.0
5151.7	52.5°	4670.2	4188.7	3738.1	3287.6	3308.2	3328.9	3533.0	3737.2	3235.0	2732.8
5843.8	55°	5269.8	4695.7	4194.3	3692.8	3773.3	3853.8	4055.5	4257.2	3524.6	2791.9
6500.7	57.5°	5850.6	5200.3	4694.0	4187.7	4349.0	4510.5	4620.4	4730.2	3729.8	2729.3
7307.1	60°	6611.0	5914.8	5435.6	4956.5	5156.9	5357.4	5186.7	5016.1	3781.0	2546.0
7960.8	62.5°	7298.5	6636.1	6197.1	5758.2	5780.8	5803.4	5337.2	4870.9	3565.1	2259.3
8028.9	65°	7386.7	6744.4	6186.6	5628.7	5542.2	5455.6	5018.0	4580.4	3259.6	1938.8
7557.1	67.5°	6912.1	6267.1	5685.9	5104.7	5064.1	5023.5	4607.3	4191.1	2896.0	1600.8
6814.8	70°	6259.7	5704.7	5184.9	4665.2	4647.0	4628.9	4176.1	3723.5	2499.3	1275.1
5875.9	72.5°	5460.2	5044.5	4637.8	4231.2	4218.2	4205.1	3685.6	3166.1	2069.2	972.2
4851.0	75°	4558.4	4265.7	3949.3	3633.0	3584.7	3536.4	2998.8	2461.1	1576.1	691.2
3796.6	77.5°	3589.0	3381.4	3140.9	2900.4	2831.3	2762.2	2260.3	1758.4	1103.2	447.9
2748.2	80°	2639.3	2530.3	2348.7	2167.1	2081.2	1995.3	1573.1	1150.9	710.7	270.6
1779.2	82.5°	1733.8	1688.3	1563.3	1438.2	1342.3	1246.4	957.7	669.0	411.4	153.8
1021.0	85°	995.2	969.4	866.7	763.9	682.3	600.8	447.6	294.3	185.0	75.8
392.2	87.5°	390.1	387.9	336.5	285.1	239.6	194.1	142.6	91.1	60.6	30.1
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°
1104.5	0°	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5
1159.8	2.5°	1150.2	1140.4	1130.7	1121.3	1112.0	1103.0	1092.9	1084.8	1076.7	1069.4
1216.8	5°	1196.8	1176.6	1156.4	1137.5	1118.7	1100.9	1083.3	1067.9	1052.6	1039.7
1269.9	7.5°	1239.2	1209.4	1179.5	1153.2	1126.8	1102.6	1079.8	1059.4	1039.0	1022.0
1311.3	10°	1270.8	1234.5	1198.2	1167.1	1135.9	1106.0	1081.5	1060.0	1038.4	1021.5
1339.9	12.5°	1293.9	1251.1	1208.3	1173.1	1137.9	1106.4	1083.6	1066.0	1048.4	1037.2
1357.7	15°	1307.8	1258.5	1209.2	1168.5	1127.7	1092.8	1074.6	1066.2	1057.8	1059.3
1366.2	17.5°	1311.8	1254.6	1197.4	1148.3	1099.3	1058.3	1047.0	1050.1	1053.2	1071.7
1372.8	20°	1313.1	1243.7	1174.4	1113.6	1052.8	1005.1	1002.1	1016.5	1030.9	1063.0
1381.8	22.5°	1314.8	1230.4	1146.1	1072.9	999.7	945.3	951.1	972.4	993.8	1030.4
1398.1	25°	1321.5	1217.3	1113.2	1027.4	941.7	886.0	901.7	926.3	950.8	983.8
1423.5	27.5°	1335.4	1208.5	1081.6	985.8	890.1	839.4	858.4	882.2	905.9	933.0
1456.4	30°	1354.6	1204.4	1054.1	951.1	848.1	805.5	820.4	839.2	858.1	880.6
1490.8	32.5°	1371.1	1199.3	1027.4	921.1	814.8	780.5	787.1	798.3	809.4	827.3
1530.0	35°	1383.3	1189.7	996.3	891.7	787.0	758.4	755.7	758.7	761.8	775.5
1573.8	37.5°	1390.5	1173.3	956.2	857.0	757.8	732.8	722.7	719.3	715.9	725.7
1629.5	40°	1395.0	1150.8	906.5	815.6	724.7	702.1	686.6	678.9	671.2	678.3
1702.4	42.5°	1403.6	1127.4	851.4	770.0	688.6	667.7	648.2	638.1	627.9	633.6
1798.3	45°	1418.7	1105.8	792.9	721.5	650.1	628.9	610.1	600.2	590.3	595.1
1900.4	47.5°	1429.1	1087.9	746.7	683.2	619.6	592.3	576.1	567.7	559.4	564.0
1995.2	50°	1422.3	1068.4	714.5	657.7	600.9	564.9	546.1	538.7	531.4	538.5
2056.7	52.5°	1380.6	1035.5	690.4	640.9	591.4	550.1	523.8	516.5	509.2	519.9
2043.1	55°	1294.3	980.9	667.4	628.7	590.0	551.6	511.9	500.4	488.9	504.1
1947.7	57.5°	1166.1	903.9	641.7	614.3	587.0	553.1	504.8	488.0	471.2	487.6
1770.1	60°	994.2	804.0	613.8	592.3	570.8	548.4	498.1	476.3	454.5	468.9
1529.9	62.5°	800.5	684.4	568.3	554.0	539.7	537.0	490.3	463.1	435.9	445.0
1284.8	65°	631.0	576.8	522.6	515.8	509.1	509.4	473.8	444.9	416.0	419.5
1044.8	67.5°	488.7	473.4	457.9	461.7	465.4	464.5	444.5	420.4	396.4	395.3
822.6	70°	370.2	374.6	379.0	396.4	413.9	413.9	407.3	390.2	373.0	369.2
628.9	72.5°	285.6	298.8	312.1	336.9	361.6	365.8	365.8	354.1	342.4	336.8
456.5	75°	221.7	233.8	245.8	273.5	301.2	320.4	318.8	309.8	300.7	295.4
309.3	77.5°	170.7	178.9	187.1	214.0	240.9	272.5	271.7	264.4	257.2	251.7
199.3	80°	128.0	131.4	134.8	157.6	180.3	218.1	217.9	211.9	205.8	201.2
122.6	82.5°	91.5	92.1	92.7	109.5	126.3	158.5	160.3	157.3	154.4	151.1
65.5	85°	55.3	55.0	54.7	67.0	79.3	103.2	105.5	102.4	99.2	95.6
27.2	87.5°	24.2	23.9	23.6	28.7	33.7	43.7	46.6	45.3	44.1	43.4
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1104.5	0°	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5
1062.1	2.5°	1055.7	1049.3	1042.8	1036.4	1031.5	1026.5	1022.5	1018.4	1015.3	1012.2
1026.8	5°	1015.5	1004.1	993.8	983.5	975.5	967.6	962.0	956.5	952.5	948.6
1005.1	7.5°	990.8	976.5	963.8	951.3	941.8	932.4	925.8	919.2	914.6	910.1
1004.5	10°	989.1	973.7	959.5	945.3	934.1	922.7	915.4	907.9	903.6	899.3
1026.0	12.5°	1013.9	1001.8	987.1	972.4	958.0	943.6	934.1	924.6	919.8	915.0
1060.8	15°	1057.7	1054.5	1041.8	1029.0	1008.5	988.0	973.5	959.0	952.4	945.7
1090.1	17.5°	1100.0	1109.8	1099.5	1089.2	1062.0	1034.9	1013.5	992.2	982.3	972.4
1095.1	20°	1115.7	1136.3	1131.5	1126.7	1095.7	1064.6	1038.4	1012.3	999.7	987.1
1067.1	22.5°	1093.8	1120.6	1123.5	1126.3	1096.6	1067.0	1040.0	1013.0	999.7	986.4
1016.7	25°	1043.1	1069.4	1079.2	1089.0	1064.7	1040.4	1016.4	992.5	981.0	969.5
960.0	27.5°	981.1	1002.2	1013.2	1024.2	1006.8	989.5	970.9	952.3	944.6	936.8
903.1	30°	920.6	938.1	947.0	955.9	942.7	929.5	916.2	902.8	898.9	894.9
845.3	32.5°	862.1	878.9	888.8	898.7	886.6	874.4	863.8	853.1	850.6	848.0
789.1	35°	805.8	822.4	834.3	846.2	837.5	828.9	819.1	809.3	805.3	801.4
735.5	37.5°	752.1	768.7	783.4	798.0	794.1	790.1	781.1	772.0	764.8	757.7
685.4	40°	701.4	717.4	734.3	751.2	752.2	753.1	745.5	737.8	727.4	717.0
639.5	42.5°	654.6	669.8	688.1	706.3	711.2	716.0	709.6	703.1	690.2	677.3
600.0	45°	614.5	628.9	647.8	666.7	673.7	680.7	674.8	669.0	654.2	639.5
568.6	47.5°	582.7	596.7	615.4	634.0	642.1	650.1	646.1	642.0	628.9	615.7
545.7	50°	559.0	572.2	588.9	605.6	616.0	626.3	626.1	625.9	615.4	604.9
530.6	52.5°	542.8	555.0	570.5	586.1	598.4	610.6	612.8	615.0	606.5	597.9
519.3	55°	532.4	545.5	559.2	572.8	585.8	598.8	601.8	604.9	597.4	590.0
503.9	57.5°	519.3	534.8	548.3	561.8	574.9	587.9	591.0	594.1	586.6	579.0
483.2	60°	501.0	518.7	532.4	546.1	559.2	572.4	575.8	579.1	571.8	564.4
454.1	62.5°	474.8	495.4	510.1	524.7	536.7	548.8	552.0	555.3	548.6	542.0
423.0	65°	445.1	467.3	481.2	495.2	505.8	516.4	519.8	523.1	516.7	510.3
394.2	67.5°	414.6	435.0	448.3	461.5	470.7	479.8	483.1	486.3	480.4	474.6
365.4	70°	383.4	401.4	412.8	424.2	432.5	440.8	443.9	447.0	442.3	437.5
331.2	72.5°	345.4	359.5	369.8	380.2	388.3	396.4	400.1	403.8	399.8	395.8
290.0	75°	300.5	311.0	320.4	329.7	337.1	344.5	348.4	352.3	350.3	348.4
246.3	77.5°	254.9	263.4	271.5	279.5	287.3	295.0	298.6	302.3	299.6	296.8
196.7	80°	203.8	210.8	217.6	224.4	230.3	236.2	241.0	245.8	244.6	243.5
147.9	82.5°	147.3	146.7	144.4	142.0	154.5	167.1	175.3	183.5	183.0	182.5
92.0	85°	88.9	85.8	79.3	72.7	84.4	96.2	106.4	116.5	115.7	114.9
42.7	87.5°	42.6	42.5	37.5	32.4	37.3	42.3	46.4	50.5	49.5	48.4
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°
1104.5	0°	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5
1009.3	2.5°	1006.4	1002.8	1006.4	1009.3	1012.2	1015.3	1018.4	1022.5	1026.5	1031.5
945.6	5°	942.6	939.6	942.6	945.6	948.6	952.5	956.5	962.0	967.6	975.5
907.4	7.5°	904.8	902.7	904.8	907.4	910.1	914.6	919.2	925.8	932.4	941.8
897.1	10°	894.8	893.8	894.8	897.1	899.3	903.6	907.9	915.4	922.7	934.1
913.1	12.5°	911.1	910.8	911.1	913.1	915.0	919.8	924.6	934.1	943.6	958.0
943.2	15°	940.7	940.5	940.7	943.2	945.7	952.4	959.0	973.5	988.0	1008.5
969.2	17.5°	966.0	965.5	966.0	969.2	972.4	982.3	992.2	1013.5	1034.9	1062.0
983.0	20°	979.0	977.7	979.0	983.0	987.1	999.7	1012.3	1038.4	1064.6	1095.7
982.0	22.5°	977.5	975.6	977.5	982.0	986.4	999.7	1013.0	1040.0	1067.0	1096.6
965.3	25°	961.1	958.7	961.1	965.3	969.5	981.0	992.5	1016.4	1040.4	1064.7
934.9	27.5°	933.0	932.4	933.0	934.9	936.8	944.6	952.3	970.9	989.5	1006.8
894.9	30°	894.9	895.5	894.9	894.9	894.9	898.9	902.8	916.2	929.5	942.7
848.3	32.5°	848.7	849.3	848.7	848.3	848.0	850.6	853.1	863.8	874.4	886.6
800.6	35°	799.7	799.3	799.7	800.6	801.4	805.3	809.3	819.1	828.9	837.5
753.9	37.5°	750.2	748.0	750.2	753.9	757.7	764.8	772.0	781.1	790.1	794.1
710.0	40°	703.0	698.9	703.0	710.0	717.0	727.4	737.8	745.5	753.1	752.2
667.0	42.5°	656.8	650.1	656.8	667.0	677.3	690.2	703.1	709.6	716.0	711.2
627.5	45°	615.5	607.8	615.5	627.5	639.5	654.2	669.0	674.8	680.7	673.7
604.6	47.5°	593.6	586.1	593.6	604.6	615.7	628.9	642.0	646.1	650.1	642.1
594.6	50°	584.4	577.2	584.4	594.6	604.9	615.4	625.9	626.1	626.3	616.0
588.7	52.5°	579.6	573.0	579.6	588.7	597.9	606.5	615.0	612.8	610.6	598.4
581.9	55°	573.8	567.9	573.8	581.9	590.0	597.4	604.9	601.8	598.8	585.8
571.1	57.5°	563.0	556.9	563.0	571.1	579.0	586.6	594.1	591.0	587.9	574.9
556.2	60°	548.0	541.6	548.0	556.2	564.4	571.8	579.1	575.8	572.4	559.2
533.3	62.5°	524.7	517.1	524.7	533.3	542.0	548.6	555.3	552.0	548.8	536.7
501.9	65°	493.5	487.0	493.5	501.9	510.3	516.7	523.1	519.8	516.4	505.8
466.8	67.5°	459.0	453.1	459.0	466.8	474.6	480.4	486.3	483.1	479.8	470.7
430.0	70°	422.5	415.8	422.5	430.0	437.5	442.3	447.0	443.9	440.8	432.5
388.7	72.5°	381.6	375.1	381.6	388.7	395.8	399.8	403.8	400.1	396.4	388.3
342.4	75°	336.4	330.2	336.4	342.4	348.4	350.3	352.3	348.4	344.5	337.1
290.7	77.5°	284.7	279.7	284.7	290.7	296.8	299.6	302.3	298.6	295.0	287.3
235.4	80°	227.3	217.8	227.3	235.4	243.5	244.6	245.8	241.0	236.2	230.3
175.6	82.5°	168.8	162.7	168.8	175.6	182.5	183.0	183.5	175.3	167.1	154.5
109.5	85°	104.2	98.7	104.2	109.5	114.9	115.7	116.5	106.4	96.2	84.4
45.7	87.5°	42.9	40.3	42.9	45.7	48.4	49.5	50.5	46.4	42.3	37.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1104.5	0°	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5
1036.4	2.5°	1042.8	1049.3	1055.7	1062.1	1069.4	1076.7	1084.8	1092.9	1103.0	1112.0
983.5	5°	993.8	1004.1	1015.5	1026.8	1039.7	1052.6	1067.9	1083.3	1100.9	1118.7
951.3	7.5°	963.8	976.5	990.8	1005.1	1022.0	1039.0	1059.4	1079.8	1102.6	1126.8
945.3	10°	959.5	973.7	989.1	1004.5	1021.5	1038.4	1060.0	1081.5	1106.0	1135.9
972.4	12.5°	987.1	1001.8	1013.9	1026.0	1037.2	1048.4	1066.0	1083.6	1106.4	1137.9
1029.0	15°	1041.8	1054.5	1057.7	1060.8	1059.3	1057.8	1066.2	1074.6	1092.8	1127.7
1089.2	17.5°	1099.5	1109.8	1100.0	1090.1	1071.7	1053.2	1050.1	1047.0	1058.3	1099.3
1126.7	20°	1131.5	1136.3	1115.7	1095.1	1063.0	1030.9	1016.5	1002.1	1005.1	1052.8
1126.3	22.5°	1123.5	1120.6	1093.8	1067.1	1030.4	993.8	972.4	951.1	945.3	999.7
1089.0	25°	1079.2	1069.4	1043.1	1016.7	983.8	950.8	926.3	901.7	886.0	941.7
1024.2	27.5°	1013.2	1002.2	981.1	960.0	933.0	905.9	882.2	858.4	839.4	890.1
955.9	30°	947.0	938.1	920.6	903.1	880.6	858.1	839.2	820.4	805.5	848.1
898.7	32.5°	888.8	878.9	862.1	845.3	827.3	809.4	798.3	787.1	780.5	814.8
846.2	35°	834.3	822.4	805.8	789.1	775.5	761.8	758.7	755.7	758.4	787.0
798.0	37.5°	783.4	768.7	752.1	735.5	725.7	715.9	719.3	722.7	732.8	757.8
751.2	40°	734.3	717.4	701.4	685.4	678.3	671.2	678.9	686.6	702.1	724.7
706.3	42.5°	688.1	669.8	654.6	639.5	633.6	627.9	638.1	648.2	667.7	688.6
666.7	45°	647.8	628.9	614.5	600.0	595.1	590.3	600.2	610.1	628.9	650.1
634.0	47.5°	615.4	596.7	582.7	568.6	564.0	559.4	567.7	576.1	592.3	619.6
605.6	50°	588.9	572.2	559.0	545.7	538.5	531.4	538.7	546.1	564.9	600.9
586.1	52.5°	570.5	555.0	542.8	530.6	519.9	509.2	516.5	523.8	550.1	591.4
572.8	55°	559.2	545.5	532.4	519.3	504.1	488.9	500.4	511.9	551.6	590.0
561.8	57.5°	548.3	534.8	519.3	503.9	487.6	471.2	488.0	504.8	553.1	587.0
546.1	60°	532.4	518.7	501.0	483.2	468.9	454.5	476.3	498.1	548.4	570.8
524.7	62.5°	510.1	495.4	474.8	454.1	445.0	435.9	463.1	490.3	537.0	539.7
495.2	65°	481.2	467.3	445.1	423.0	419.5	416.0	444.9	473.8	509.4	509.1
461.5	67.5°	448.3	435.0	414.6	394.2	395.3	396.4	420.4	444.5	464.5	465.4
424.2	70°	412.8	401.4	383.4	365.4	369.2	373.0	390.2	407.3	413.9	413.9
380.2	72.5°	369.8	359.5	345.4	331.2	336.8	342.4	354.1	365.8	365.8	361.6
329.7	75°	320.4	311.0	300.5	290.0	295.4	300.7	309.8	318.8	320.4	301.2
279.5	77.5°	271.5	263.4	254.9	246.3	251.7	257.2	264.4	271.7	272.5	240.9
224.4	80°	217.6	210.8	203.8	196.7	201.2	205.8	211.9	217.9	218.1	180.3
142.0	82.5°	144.4	146.7	147.3	147.9	151.1	154.4	157.3	160.3	158.5	126.3
72.7	85°	79.3	85.8	88.9	92.0	95.6	99.2	102.4	105.5	103.2	79.3
32.4	87.5°	37.5	42.5	42.6	42.7	43.4	44.1	45.3	46.6	43.7	33.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
1104.5	0°	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5	1104.5
1121.3	2.5°	1130.7	1140.4	1150.2	1159.8	1169.5	1178.6	1187.7
1137.5	5°	1156.4	1176.6	1196.8	1216.8	1236.9	1257.0	1277.2
1153.2	7.5°	1179.5	1209.4	1239.2	1269.9	1300.6	1333.8	1367.0
1167.1	10°	1198.2	1234.5	1270.8	1311.3	1351.9	1393.9	1435.9
1173.1	12.5°	1208.3	1251.1	1293.9	1339.9	1385.8	1431.9	1478.1
1168.5	15°	1209.2	1258.5	1307.8	1357.7	1407.5	1455.6	1503.7
1148.3	17.5°	1197.4	1254.6	1311.8	1366.2	1420.6	1469.3	1518.1
1113.6	20°	1174.4	1243.7	1313.1	1372.8	1432.6	1483.3	1534.0
1072.9	22.5°	1146.1	1230.4	1314.8	1381.8	1448.8	1500.7	1552.4
1027.4	25°	1113.2	1217.3	1321.5	1398.1	1474.7	1525.4	1576.2
985.8	27.5°	1081.6	1208.5	1335.4	1423.5	1511.5	1560.0	1608.4
951.1	30°	1054.1	1204.4	1354.6	1456.4	1558.3	1605.0	1651.8
921.1	32.5°	1027.4	1199.3	1371.1	1490.8	1610.5	1656.8	1703.1
891.7	35°	996.3	1189.7	1383.3	1530.0	1676.7	1721.1	1765.4
857.0	37.5°	956.2	1173.3	1390.5	1573.8	1757.2	1813.8	1870.3
815.6	40°	906.5	1150.8	1395.0	1629.5	1864.0	1946.4	2028.8
770.0	42.5°	851.4	1127.4	1403.6	1702.4	2001.2	2120.1	2239.0
721.5	45°	792.9	1105.8	1418.7	1798.3	2177.8	2338.2	2498.6
683.2	47.5°	746.7	1087.9	1429.1	1900.4	2371.7	2597.5	2823.3
657.7	50°	714.5	1068.4	1422.3	1995.2	2568.0	2908.4	3248.8
640.9	52.5°	690.4	1035.5	1380.6	2056.7	2732.8	3235.0	3737.2
628.7	55°	667.4	980.9	1294.3	2043.1	2791.9	3524.6	4257.2
614.3	57.5°	641.7	903.9	1166.1	1947.7	2729.3	3729.8	4730.2
592.3	60°	613.8	804.0	994.2	1770.1	2546.0	3781.0	5016.1
554.0	62.5°	568.3	684.4	800.5	1529.9	2259.3	3565.1	4870.9
515.8	65°	522.6	576.8	631.0	1284.8	1938.8	3259.6	4580.4
461.7	67.5°	457.9	473.4	488.7	1044.8	1600.8	2896.0	4191.1
396.4	70°	379.0	374.6	370.2	822.6	1275.1	2499.3	3723.5
336.9	72.5°	312.1	298.8	285.6	628.9	972.2	2069.2	3166.1
273.5	75°	245.8	233.8	221.7	456.5	691.2	1576.1	2461.1
214.0	77.5°	187.1	178.9	170.7	309.3	447.9	1103.2	1758.4
157.6	80°	134.8	131.4	128.0	199.3	270.6	710.7	1150.9
109.5	82.5°	92.7	92.1	91.5	122.6	153.8	411.4	669.0
67.0	85°	54.7	55.0	55.3	65.5	75.8	185.0	294.3
28.7	87.5°	23.6	23.9	24.2	27.2	30.1	60.6	91.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)