

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: P457658

Luminaire Tested: **GALN-SA9A-730-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9A-730-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32545 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

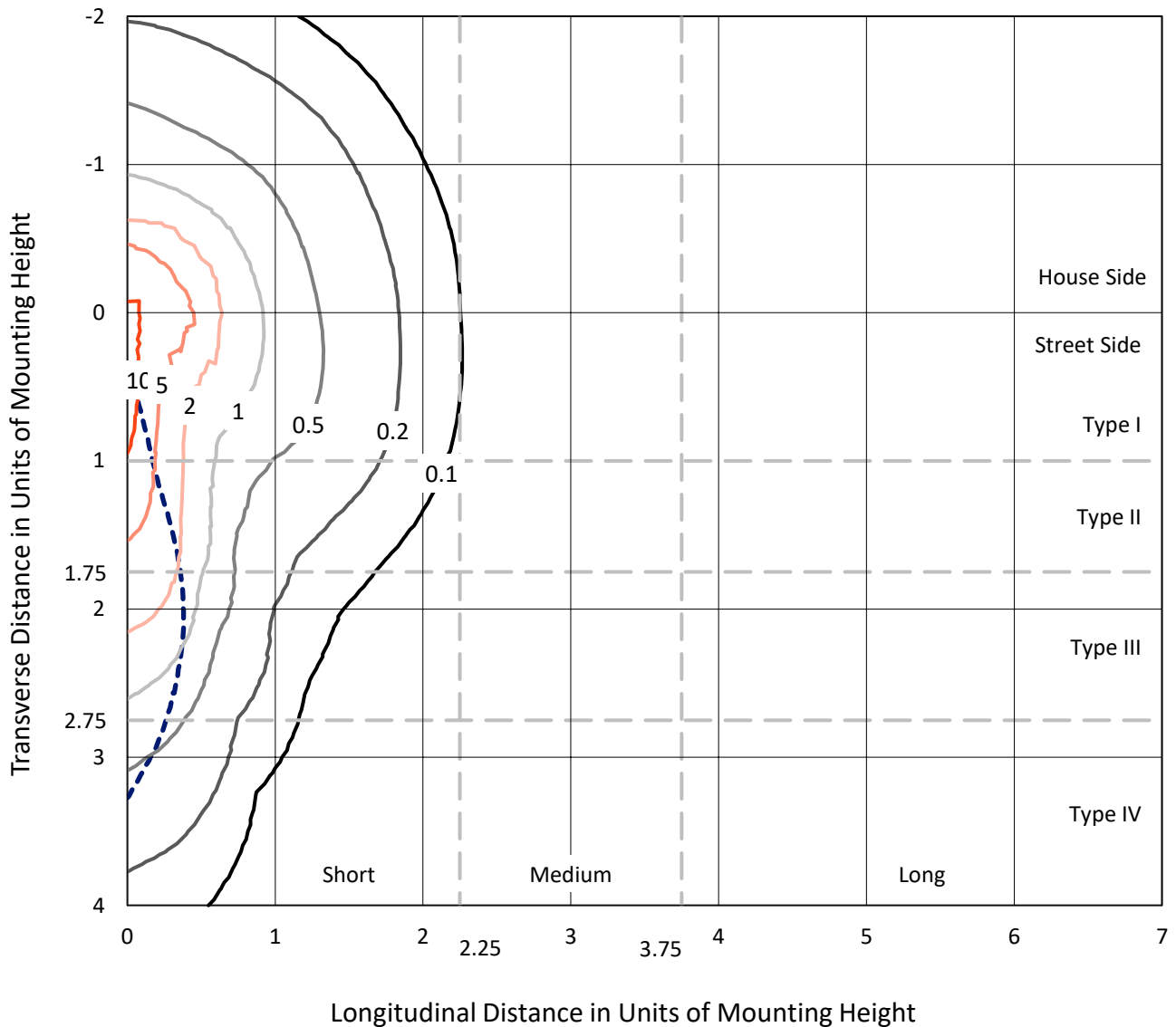
Input Watts (W): 274
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

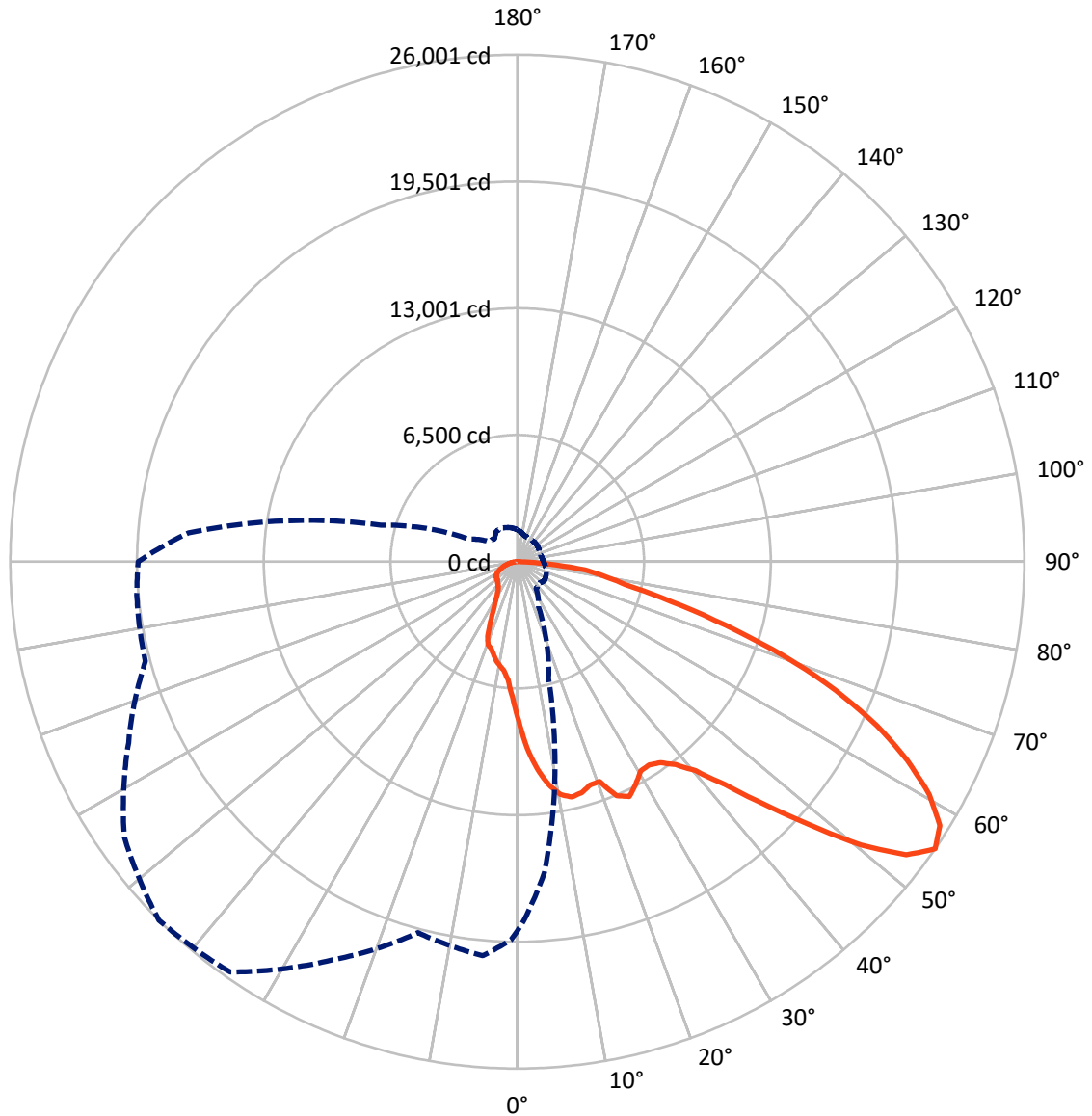
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7119.1	0.0	7119.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	25425.9	0.0	25425.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	32545.0	0.0	32545.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.2	2.1
10°-20°	1836.5	5.6
20°-30°	3172.6	9.7
30°-40°	3687.1	11.3
40°-50°	5144.2	15.8
50°-60°	6980.1	21.4
60°-70°	6640.8	20.4
70°-80°	3587.5	11.0
80°-90°	804.0	2.5
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°	32545.0	100.0
0°-180°	32545.0	100.0

Coefficient of Utilization



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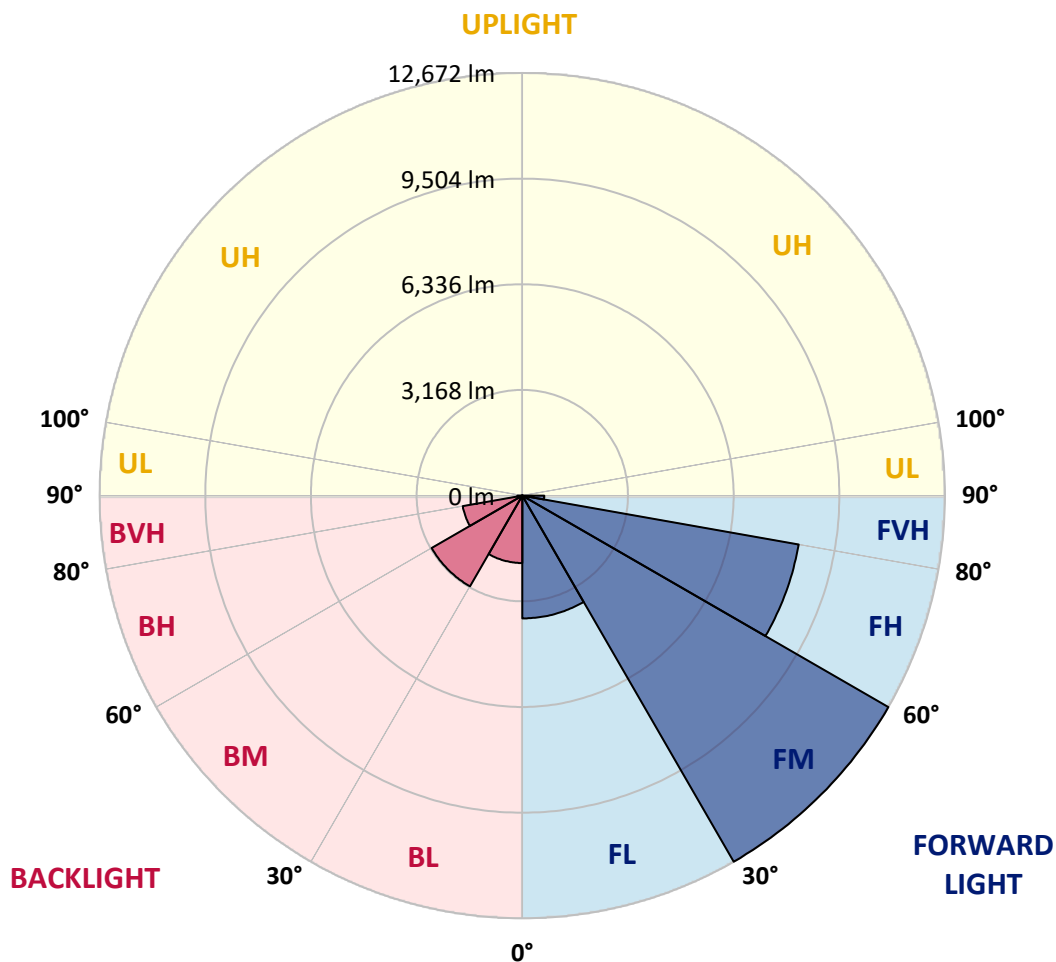
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3680.9	11.3			
FM	(30°-60°)	12672.3	38.9			
FH	(60°-80°)	8415.6	25.9			G4/12000
FVH	(80°-90°)	657.1	2.0			G4/750
BL	(0°-30°)	2020.4	6.2	B3/2500		
BM	(30°-60°)	3139.0	9.6	B3/5000		
BH	(60°-80°)	1812.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	146.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5
2.5°	9073.6	9039.2	8942.6	8689.3	8433.8	8174.0	7974.3	7725.2	7465.4	7325.9	7147.7
5°	9198.1	9159.5	8931.9	8360.8	7843.3	7300.1	6866.4	6486.4	6331.8	6104.2	5921.7
7.5°	8906.1	8888.9	8547.6	7727.4	7018.8	6308.1	5816.5	5511.6	5234.6	5131.5	5153.0
10°	8639.9	8571.2	8143.9	7072.5	6245.9	5668.3	5316.2	5017.7	4822.4	4770.8	4781.6
12.5°	8418.7	8326.4	7821.8	6632.4	5908.8	5447.2	4998.4	4687.1	4508.9	4558.3	4725.7
15°	8373.6	8249.1	7686.6	6482.1	5724.1	5129.4	4637.7	4279.1	4146.0	4253.4	4521.8
17.5°	8665.6	8508.9	7918.5	6531.4	5548.1	4805.2	4201.9	3791.8	3680.1	3851.9	4201.9
20°	9603.9	9372.0	8642.0	6817.0	5530.9	4644.2	3948.5	3536.3	3583.5	3909.8	4274.9
22.5°	11338.8	10990.9	9908.8	7233.5	5621.1	4603.4	3897.0	3682.3	3942.1	4219.0	4459.5
25°	11682.3	11409.6	10136.4	7328.0	5601.8	4575.4	4043.0	4150.3	4440.2	4577.6	4493.9
27.5°	11875.5	11564.2	10121.4	6859.9	5009.2	4150.3	3864.8	4043.0	4116.0	3982.8	3755.3
30°	12326.4	12002.2	10376.9	6368.3	4124.6	3078.9	2698.9	2625.9	2675.3	2701.0	2619.4
32.5°	12946.9	12627.0	10857.8	6046.2	3566.3	2546.4	2172.9	2069.8	2046.2	2018.3	1986.1
35°	13750.0	13258.3	11330.2	5840.1	3336.6	2355.4	2011.8	1932.4	1900.2	1861.5	1827.2
37.5°	14565.8	14050.5	11927.1	5623.2	3184.1	2222.2	1904.5	1868.0	1812.1	1771.3	1722.0
40°	15433.3	14855.7	12470.3	5434.3	3036.0	2136.4	1827.2	1822.9	1749.9	1702.6	1644.7
42.5°	16184.8	15590.0	12955.5	5318.3	2922.2	2046.2	1779.9	1792.8	1717.7	1646.8	1571.7
45°	16781.6	16197.6	13404.3	5318.3	2829.9	1956.0	1771.3	1762.8	1687.6	1599.6	1513.7
47.5°	17305.5	16702.2	13842.3	5453.6	2771.9	1880.8	1724.1	1739.1	1661.8	1550.2	1466.5
50°	17711.3	17178.9	14432.7	5664.0	2713.9	1820.7	1664.0	1745.6	1640.4	1524.4	1427.8
52.5°	18228.8	17752.1	15143.4	5951.7	2664.5	1754.2	1610.3	1745.6	1638.2	1526.6	1421.4
55°	18945.9	18443.5	16000.1	6190.1	2585.1	1691.9	1563.1	1696.2	1631.8	1515.8	1404.2
57.5°	19448.3	19072.6	16605.6	6348.9	2471.3	1612.5	1520.1	1649.0	1603.9	1475.0	1352.7
58°	19471.9	19104.8	16693.6	6385.4	2443.4	1597.4	1509.4	1627.5	1591.0	1457.9	1335.5
60°	19201.4	18885.8	16710.8	6333.9	2284.5	1522.3	1453.6	1539.5	1522.3	1357.0	1243.2
62.5°	18218.0	17881.0	16017.3	5915.2	2074.1	1430.0	1367.7	1421.4	1382.7	1215.3	1110.0
65°	16820.3	16199.8	14591.6	5258.2	1923.8	1331.2	1251.8	1256.0	1215.3	1095.0	1002.7
67.5°	14958.8	14265.3	12354.3	4431.6	1810.0	1221.7	1114.3	1103.6	1054.2	976.9	901.8
70°	12667.8	12193.3	10039.8	3605.0	1683.3	1101.5	959.7	953.3	923.2	865.3	798.7
72.5°	10267.4	9664.0	8107.4	2885.7	1528.7	985.5	815.9	828.8	790.1	749.3	689.2
75°	7577.1	7182.0	6267.4	2314.6	1320.5	858.8	680.6	684.9	667.7	624.8	577.6
77.5°	4989.8	4871.7	4483.1	1520.1	1015.6	682.8	556.1	560.4	547.5	508.9	459.5
80°	3358.0	3278.6	3038.1	979.1	678.5	493.8	429.4	433.7	431.6	390.8	324.2
82.5°	2069.8	2035.4	1958.1	661.3	470.2	354.3	283.4	296.3	319.9	274.8	221.2
85°	976.9	979.1	1183.0	360.7	277.0	227.6	154.6	165.3	165.3	165.3	124.5
87.5°	126.7	133.1	163.2	152.4	100.9	85.9	55.8	47.2	40.8	53.7	38.6
90°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5
2.5°	7085.4	7042.4	6950.1	6928.7	6915.8	6952.3	6855.7	6881.4	6838.5	6958.7	6939.4
5°	5932.4	5936.7	6011.8	6061.2	6078.4	6061.2	5996.8	5885.2	5799.3	5764.9	5773.5
7.5°	5112.2	5187.4	5316.2	5460.0	5591.0	5629.7	5593.2	5380.6	5148.7	5002.7	4955.5
10°	4839.5	4940.5	5088.6	5202.4	5318.3	5410.7	5430.0	5264.7	4989.8	4644.2	4508.9
12.5°	4854.6	4992.0	5133.7	5170.2	5159.5	5196.0	5178.8	5150.9	4970.5	4530.4	4304.9
15°	4712.9	4876.0	4974.8	4955.5	4921.1	4888.9	4843.8	4773.0	4708.6	4399.4	4150.3
17.5°	4386.5	4554.0	4635.6	4642.0	4642.0	4633.4	4523.9	4498.1	4489.6	4339.3	4186.8
20°	4446.6	4538.9	4502.4	4442.3	4459.5	4517.5	4453.1	4440.2	4489.6	4556.1	4528.2
22.5°	4481.0	4448.8	4173.9	3907.7	3847.6	4027.9	4064.4	4208.3	4408.0	4648.4	4805.2
25°	4268.4	4008.6	3516.9	3216.3	3046.7	3214.2	3433.2	3699.4	3997.9	4307.1	4489.6
27.5°	3568.5	3370.9	3018.8	2748.3	2600.1	2625.9	2812.7	3055.3	3332.3	3540.5	3673.7
30°	2688.2	2600.1	2417.6	2325.3	2235.1	2213.6	2293.1	2385.4	2507.8	2533.6	2567.9
32.5°	1979.6	1966.7	1977.5	1947.4	1930.2	1928.1	1904.5	1925.9	1938.8	1953.9	1923.8
35°	1790.7	1773.5	1743.4	1734.8	1724.1	1728.4	1717.7	1706.9	1715.5	1728.4	1737.0
37.5°	1694.1	1668.3	1625.3	1610.3	1610.3	1616.8	1599.6	1595.3	1610.3	1651.1	1672.6
40°	1618.9	1588.8	1539.5	1520.1	1533.0	1550.2	1526.6	1518.0	1554.5	1597.4	1631.8
42.5°	1548.1	1524.4	1477.2	1455.7	1466.5	1498.7	1464.3	1457.9	1505.1	1552.3	1593.1
45°	1487.9	1464.3	1421.4	1410.6	1414.9	1445.0	1421.4	1421.4	1466.5	1518.0	1554.5
47.5°	1440.7	1410.6	1382.7	1374.1	1378.4	1395.6	1391.3	1391.3	1434.3	1487.9	1524.4
50°	1393.5	1367.7	1331.2	1335.5	1346.2	1369.8	1367.7	1374.1	1417.1	1483.6	1522.3
52.5°	1372.0	1333.3	1292.5	1296.8	1329.0	1357.0	1348.4	1354.8	1404.2	1528.7	1584.6
55°	1348.4	1296.8	1249.6	1256.0	1292.5	1333.3	1322.6	1331.2	1389.2	1558.8	1636.1
57.5°	1303.3	1243.2	1191.6	1195.9	1249.6	1292.5	1275.4	1286.1	1354.8	1526.6	1608.2
58°	1284.0	1232.4	1183.0	1185.2	1236.7	1284.0	1264.6	1273.2	1344.1	1518.0	1595.3
60°	1202.4	1172.3	1129.4	1131.5	1180.9	1221.7	1211.0	1219.5	1288.3	1455.7	1513.7
62.5°	1090.7	1073.5	1062.8	1062.8	1092.9	1131.5	1142.3	1153.0	1215.3	1316.2	1367.7
65°	970.5	970.5	972.6	972.6	992.0	1041.3	1047.8	1075.7	1133.7	1183.0	1221.7
67.5°	888.9	884.6	888.9	878.2	886.7	916.8	949.0	974.8	1034.9	1069.2	1082.1
70°	783.7	781.5	783.7	768.7	779.4	805.2	826.6	869.6	931.8	957.6	964.0
72.5°	680.6	680.6	684.9	674.2	674.2	702.1	717.1	764.4	822.3	837.4	839.5
75°	573.3	579.7	579.7	564.7	569.0	586.2	605.5	644.1	697.8	708.5	708.5
77.5°	455.2	478.8	478.8	463.8	470.2	472.4	498.1	517.4	558.2	562.5	545.4
80°	330.7	354.3	373.6	360.7	371.4	358.6	373.6	386.5	427.3	407.9	380.0
82.5°	236.2	253.4	268.4	270.5	259.8	236.2	255.5	257.7	277.0	251.2	236.2
85°	131.0	146.0	165.3	156.7	139.6	124.5	131.0	135.3	133.1	126.7	118.1
87.5°	34.4	36.5	40.8	30.1	27.9	23.6	32.2	32.2	36.5	38.6	36.5
90°	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5
2.5°	6954.4	7048.9	7252.9	7407.5	7596.4	7826.1	8096.7	8369.4	8663.5	8755.8	8884.7
5°	5754.2	5990.4	6089.1	6370.4	6649.5	7068.2	7514.8	8032.3	8599.1	8871.8	9133.7
7.5°	4916.8	5043.5	5146.6	5352.7	5687.6	6196.5	6756.9	7403.2	8206.2	8603.4	8987.7
10°	4465.9	4478.8	4605.5	4861.0	5153.0	5601.8	6132.1	6855.7	7751.0	8234.1	8685.0
12.5°	4167.5	4111.7	4249.1	4515.3	4846.0	5260.4	5747.8	6437.0	7422.5	7918.5	8463.8
15°	3905.6	3817.5	3920.6	4193.3	4519.6	5007.0	5530.9	6260.9	7293.7	7871.2	8476.7
17.5°	3912.0	3669.4	3705.9	3935.6	4259.8	4755.8	5391.3	6254.5	7489.0	8154.6	8871.8
20°	4395.1	4006.5	3841.1	3884.1	4197.6	4738.6	5455.8	6555.1	8131.0	9101.5	9868.0
22.5°	4869.6	4635.6	4369.3	4281.3	4453.1	5019.9	5865.8	7265.7	9526.6	10988.8	12373.7
25°	4704.3	4903.9	4837.4	4712.9	4751.5	5221.7	6145.0	7849.8	10610.9	12257.7	13558.9
27.5°	3763.8	4126.7	4199.7	4197.6	4212.6	4599.1	5526.6	7456.8	10746.2	12500.3	13743.5
30°	2645.2	2677.4	2716.1	2791.2	2859.9	3205.6	4324.2	6546.5	10686.1	12609.8	13855.2
32.5°	1908.8	1951.7	2005.4	2108.4	2271.6	2711.8	3783.2	6256.6	11003.8	13062.9	14181.5
35°	1745.6	1795.0	1846.5	1964.6	2119.2	2527.1	3568.5	6136.4	11525.6	13797.2	14767.7
37.5°	1694.1	1749.9	1795.0	1880.8	2005.4	2394.0	3373.1	6054.8	12060.2	14574.4	15553.5
40°	1657.6	1722.0	1758.5	1827.2	1913.1	2271.6	3199.2	5990.4	12577.6	15285.1	16184.8
42.5°	1625.3	1691.9	1739.1	1788.5	1859.4	2162.1	3044.6	5926.0	13026.4	15974.3	16813.8
45°	1586.7	1670.4	1730.6	1769.2	1831.5	2069.8	2926.5	5874.4	13537.4	16586.3	17449.4
47.5°	1554.5	1646.8	1722.0	1767.1	1790.7	2005.4	2832.0	5945.3	14151.5	17226.1	18039.8
50°	1556.6	1644.7	1739.1	1810.0	1747.7	1951.7	2774.0	6226.6	14950.2	17986.2	18505.8
52.5°	1625.3	1732.7	1807.8	1825.0	1687.6	1887.3	2744.0	6718.2	15894.9	18658.2	18976.0
55°	1702.6	1814.3	1895.9	1885.1	1655.4	1805.7	2737.5	7242.1	16929.8	19441.9	19587.9
57.5°	1674.7	1837.9	1962.4	1906.6	1657.6	1726.3	2709.6	7665.1	17795.1	20028.0	20193.4
58°	1666.1	1829.3	1971.0	1902.3	1651.1	1702.6	2703.2	7701.6	17915.3	20068.8	20279.2
60°	1582.4	1754.2	1964.6	1870.1	1614.6	1638.2	2632.3	7819.7	17883.1	19858.4	20330.8
62.5°	1430.0	1571.7	1816.4	1713.4	1503.0	1552.3	2473.4	7673.7	17011.4	18845.0	19577.2
65°	1258.2	1363.4	1526.6	1507.3	1344.1	1464.3	2256.6	7096.1	15265.8	17200.3	17971.1
67.5°	1129.4	1215.3	1318.3	1290.4	1208.8	1346.2	2022.6	6119.2	13307.7	15225.0	16195.5
70°	998.4	1065.0	1116.5	1097.2	1071.4	1230.3	1814.3	4966.2	11431.1	13348.4	14288.9
72.5°	865.3	927.5	970.5	942.6	927.5	1107.9	1644.7	3854.0	9028.5	11012.4	12221.2
75°	723.6	785.8	815.9	783.7	775.1	976.9	1393.5	2879.2	6774.1	8489.6	9533.1
77.5°	560.4	626.9	665.6	654.9	659.2	803.0	1125.1	1971.0	4843.8	5786.4	6885.7
80°	392.9	465.9	491.7	480.9	511.0	611.9	794.4	1251.8	3340.9	3755.3	4530.4
82.5°	242.6	311.3	315.6	326.4	347.8	453.0	599.0	762.2	2097.7	2168.6	2731.1
85°	122.4	148.1	158.9	176.1	195.4	277.0	341.4	472.4	1350.5	1022.0	1526.6
87.5°	40.8	42.9	51.5	64.4	79.4	113.8	146.0	193.2	334.9	184.6	472.4
90°	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5	8167.5
2.5°	9144.4	9327.0	9460.1	9582.5	9464.4	9453.6	9337.7	9150.9	9073.6	9073.6
5°	9683.4	10110.6	10456.3	10677.5	10583.0	10355.4	9979.7	9500.9	9243.2	9198.1
7.5°	9831.5	10675.3	11317.3	11544.9	11386.0	10883.6	10164.3	9357.0	8987.7	8906.1
10°	9741.3	10838.5	11781.1	12141.8	11920.6	11160.6	10179.3	9189.5	8734.4	8639.9
12.5°	9646.9	10860.0	11867.0	12388.7	12244.8	11383.9	10288.8	9080.0	8554.0	8418.7
15°	9715.6	10868.6	11761.7	12300.7	12393.0	11652.2	10469.2	9159.5	8517.5	8373.6
17.5°	10149.3	11031.7	11611.5	12047.3	12371.5	12017.3	10982.4	9539.5	8843.9	8665.6
20°	11055.4	11422.5	11697.3	12034.4	12556.2	12762.3	12032.3	10583.0	9760.7	9603.9
22.5°	13679.1	13612.5	13050.0	13043.6	13799.3	14626.0	14576.6	12704.3	11467.6	11338.8
25°	14662.5	14353.3	13539.5	13342.0	13674.8	14950.2	14765.5	13138.0	11995.8	11682.3
27.5°	14278.1	13511.6	12977.0	12931.9	12822.4	14026.9	14471.4	13314.1	12180.4	11875.5
30°	14254.5	13127.3	12362.9	12453.1	12558.3	13709.2	14634.6	13865.9	12652.8	12326.4
32.5°	14312.5	13181.0	12408.0	12425.2	12738.7	13756.4	14814.9	14467.1	13273.3	12946.9
35°	14546.5	13485.9	12695.7	12654.9	13144.5	14065.6	15121.9	15411.8	14121.4	13750.0
37.5°	14924.4	14093.5	13221.8	13211.0	13921.7	14623.8	15504.1	16365.1	14965.2	14565.8
40°	15480.5	14804.2	14157.9	14099.9	14978.1	15532.0	16000.1	17380.7	15946.4	15433.3
42.5°	16152.5	15656.6	15392.5	15622.2	16466.0	16551.9	16773.1	18319.0	16781.6	16184.8
45°	16775.2	16751.6	17118.7	17728.5	18220.2	17704.9	17580.4	18948.1	17430.1	16781.6
47.5°	17515.9	18155.8	19263.7	20156.9	20672.2	19046.8	18269.6	19358.1	17902.4	17305.5
50°	18267.4	19836.9	21606.1	22851.5	22961.0	20504.7	18744.1	19744.6	18331.8	17711.3
52.5°	19057.6	21178.9	23534.2	24981.4	24768.8	21773.6	19203.6	20006.6	18774.1	18228.8
55°	19744.6	22001.2	24612.1	26001.2	25689.9	22546.6	19699.5	20290.0	19405.4	18945.9
57.5°	20129.0	22069.9	24343.7	25556.8	25219.7	22396.3	19927.1	20500.4	19809.0	19448.3
58°	20184.8	21977.6	24105.4	25299.1	24955.6	22269.6	19925.0	20491.8	19834.8	19471.9
60°	20135.4	21378.6	23218.6	24281.4	23920.7	21475.2	19843.4	20330.8	19508.4	19201.4
62.5°	19678.1	20339.4	21687.7	22460.7	22357.6	20234.2	19508.4	19723.2	18514.3	18218.0
65°	19076.9	18922.3	19727.4	20275.0	20352.2	19304.5	19175.6	18409.1	17239.0	16820.3
67.5°	18346.9	17316.3	17314.1	17625.4	17754.3	17874.5	18482.1	16981.3	15401.1	14958.8
70°	17108.0	14840.7	14157.9	14525.1	14417.7	15433.3	17243.3	14975.9	13185.3	12667.8
72.5°	14836.4	11776.8	10683.9	11156.3	10885.7	12103.1	15087.6	12324.3	10902.9	10267.4
75°	12025.8	8809.5	7682.3	8116.0	7948.5	9180.9	12554.0	8951.2	7819.7	7577.1
77.5°	9337.7	6383.3	5728.4	5668.3	5792.8	6832.0	9208.9	6044.1	5155.2	4989.8
80°	5999.0	4569.0	4607.7	4530.4	4594.8	4307.1	5591.0	3856.2	3491.2	3358.0
82.5°	3948.5	3184.1	3796.1	3504.0	3328.0	2896.4	3667.2	2525.0	2142.8	2069.8
85°	2690.3	2344.6	2134.2	1631.8	1921.6	2230.8	2750.4	1359.1	1077.8	976.9
87.5°	1215.3	815.9	599.0	369.3	584.0	674.2	1335.5	158.9	122.4	126.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)