

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: P454410

Luminaire Tested: **GALN-SA5C-730-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454410
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-SA5C-730-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1050mA 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: 27639 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

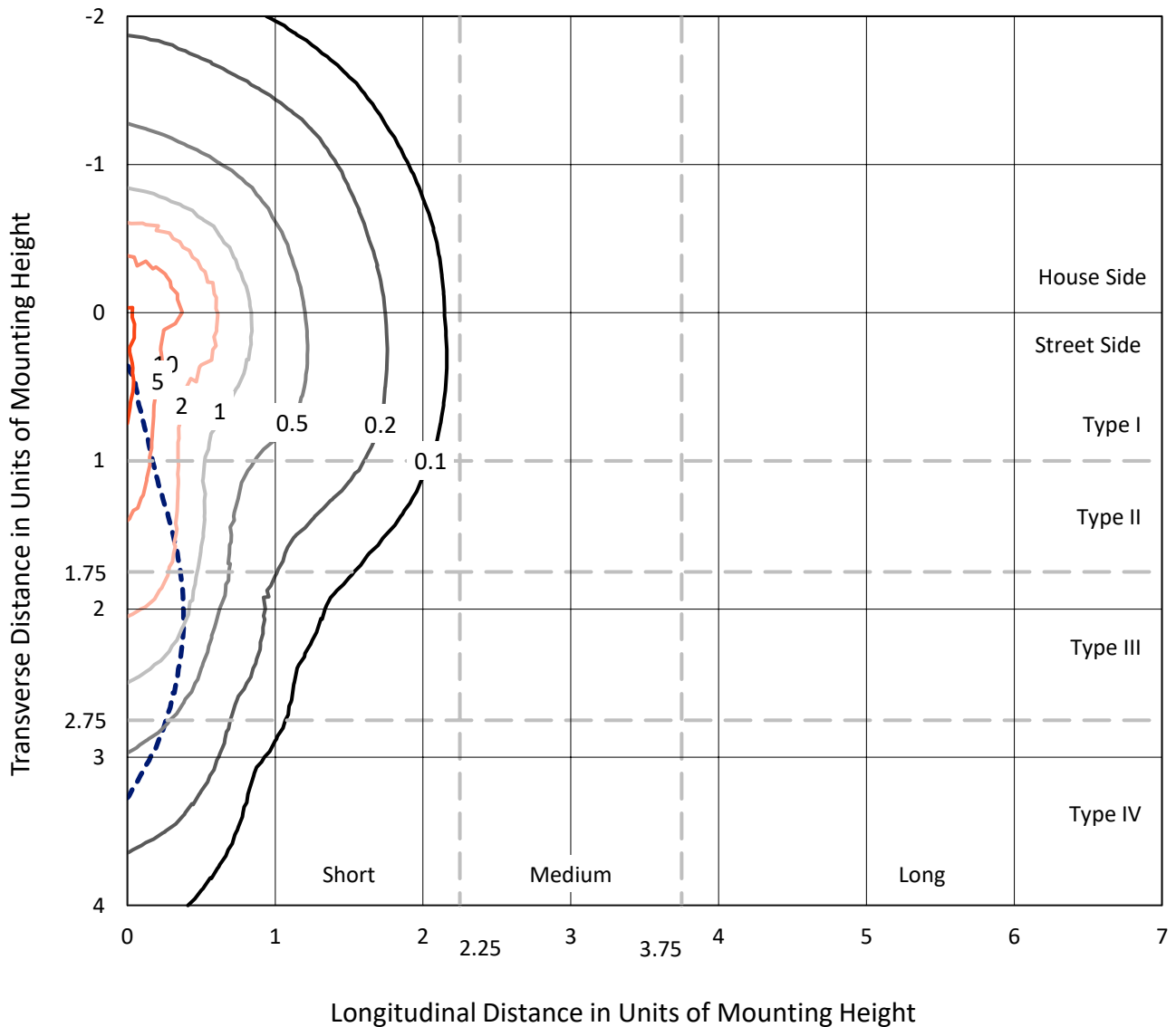
Input Watts (W): 269
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

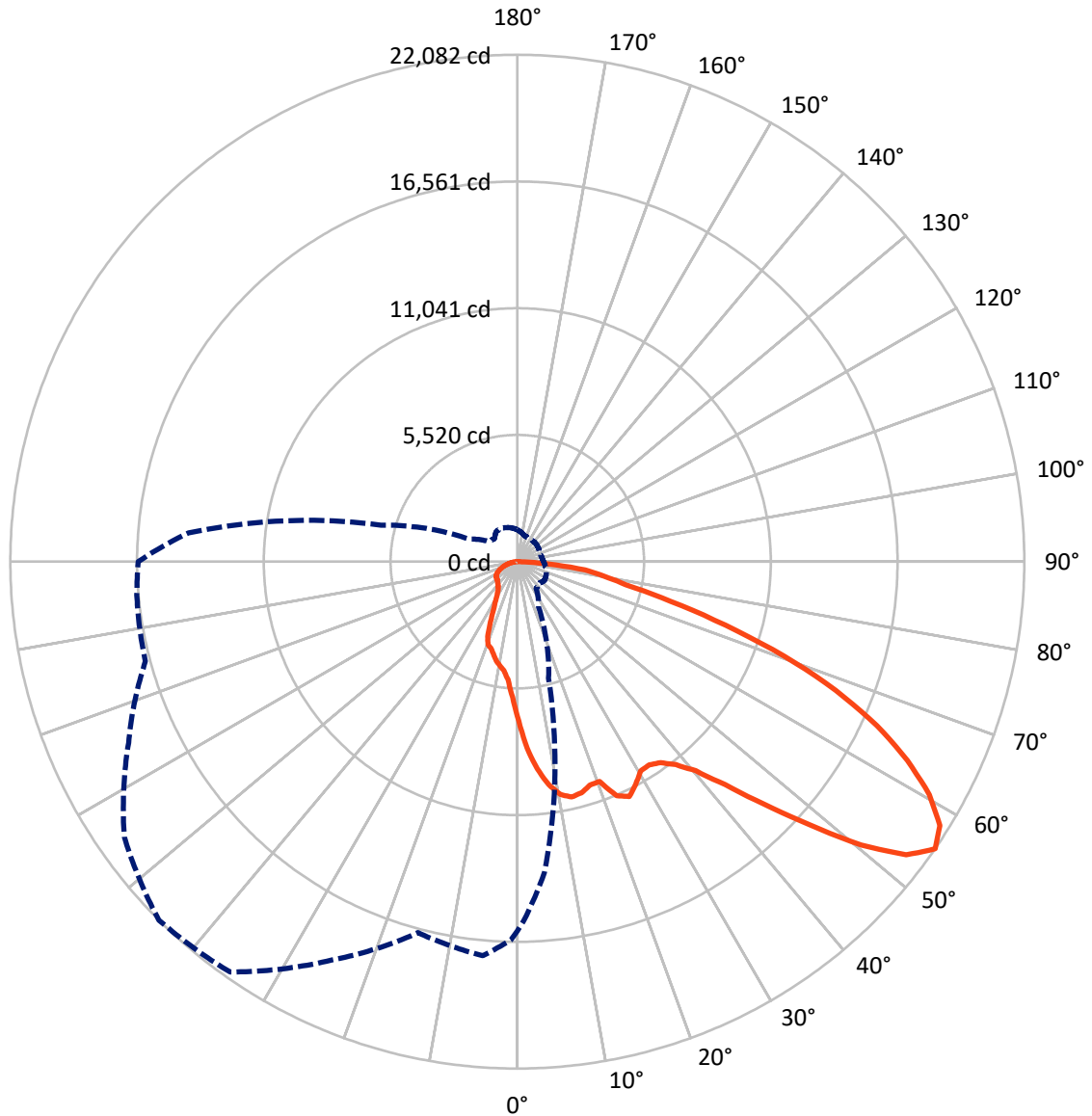
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	6045.9	0.0	6045.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	21593.1	0.0	21593.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	27639.0	0.0	27639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.9	2.1
10°-20°	1559.6	5.6
20°-30°	2694.4	9.7
30°-40°	3131.3	11.3
40°-50°	4368.7	15.8
50°-60°	5927.9	21.4
60°-70°	5639.7	20.4
70°-80°	3046.7	11.0
80°-90°	682.8	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°	27639.0	100.0
0°-180°	27639.0	100.0

Coefficient of Utilization



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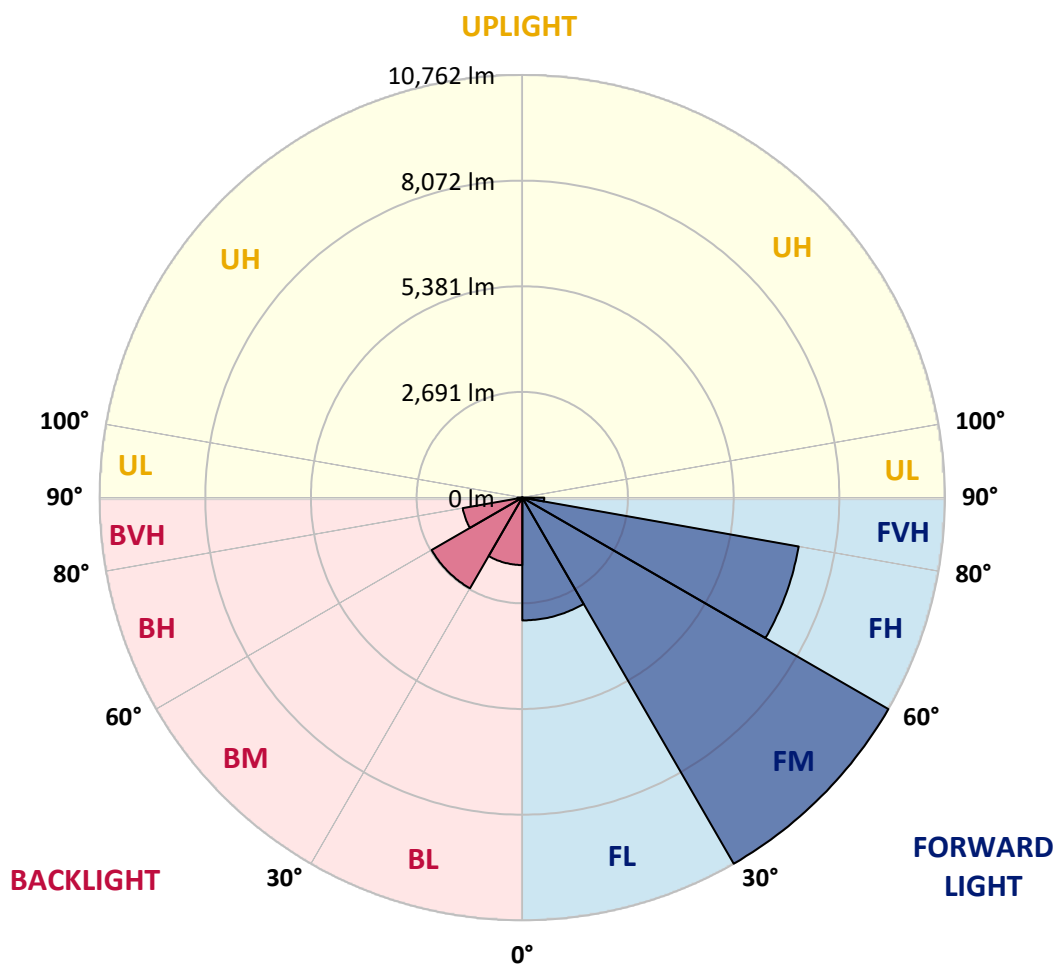
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3126.0	11.3			
FM	(30°-60°)	10762.0	38.9			
FH	(60°-80°)	7147.0	25.9			G3/7500
FVH	(80°-90°)	558.0	2.0			G4/750
BL	(0°-30°)	1715.8	6.2	B3/2500		
BM	(30°-60°)	2665.9	9.6	B3/5000		
BH	(60°-80°)	1539.4	5.6	B3/2500		G3/2500
BVH	(80°-90°)	124.8	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°	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3
2.5°	7705.8	7676.6	7594.6	7379.4	7162.4	6941.8	6772.2	6560.7	6340.0	6221.5	6070.2
5°	7811.6	7778.7	7585.4	7100.4	6661.0	6199.6	5831.3	5508.6	5377.3	5184.0	5029.0
7.5°	7563.6	7549.0	7259.1	6562.5	5960.8	5357.2	4939.7	4680.7	4445.5	4358.0	4376.2
10°	7337.5	7279.1	6916.3	6006.4	5304.3	4813.8	4514.8	4261.3	4095.4	4051.7	4060.8
12.5°	7149.7	7071.2	6642.7	5632.6	5018.1	4626.0	4244.9	3980.5	3829.2	3871.1	4013.4
15°	7111.4	7005.6	6527.9	5504.9	4861.3	4356.2	3938.6	3634.1	3521.0	3612.2	3840.1
17.5°	7359.3	7226.2	6724.8	5546.9	4711.7	4080.8	3568.4	3220.2	3125.4	3271.2	3568.4
20°	8156.2	7959.3	7339.3	5789.4	4697.1	3944.1	3353.3	3003.2	3043.3	3320.5	3630.4
22.5°	9629.5	9334.1	8415.1	6143.1	4773.7	3909.4	3309.5	3127.2	3347.8	3583.0	3787.3
25°	9921.3	9689.7	8608.4	6223.4	4757.3	3885.7	3433.5	3524.7	3770.8	3887.5	3816.4
27.5°	10085.4	9821.0	8595.6	5825.8	4254.1	3524.7	3282.2	3433.5	3495.5	3382.5	3189.2
30°	10468.3	10192.9	8812.6	5408.3	3502.8	2614.8	2292.0	2230.0	2272.0	2293.9	2224.6
32.5°	10995.3	10723.6	9221.1	5134.8	3028.7	2162.6	1845.3	1757.8	1737.7	1714.0	1686.7
35°	11677.2	11259.7	9622.2	4959.7	2833.6	2000.3	1708.5	1641.1	1613.7	1580.9	1551.7
37.5°	12370.1	11932.5	10129.1	4775.6	2704.1	1887.2	1617.4	1586.4	1539.0	1504.3	1462.4
40°	13106.8	12616.3	10590.5	4615.1	2578.3	1814.3	1551.7	1548.1	1486.1	1446.0	1396.7
42.5°	13745.0	13239.9	11002.5	4516.6	2481.7	1737.7	1511.6	1522.6	1458.7	1398.6	1334.7
45°	14251.9	13755.9	11383.6	4516.6	2403.3	1661.1	1504.3	1497.0	1433.2	1358.5	1285.5
47.5°	14696.8	14184.4	11755.6	4631.5	2354.0	1597.3	1464.2	1477.0	1411.3	1316.5	1245.4
50°	15041.4	14589.2	12257.1	4810.2	2304.8	1546.3	1413.2	1482.4	1393.1	1294.6	1212.6
52.5°	15480.9	15076.1	12860.6	5054.5	2262.9	1489.7	1367.6	1482.4	1391.3	1296.5	1207.1
55°	16089.9	15663.2	13588.2	5256.9	2195.4	1436.9	1327.5	1440.5	1385.8	1287.3	1192.5
57.5°	16516.6	16197.5	14102.4	5391.9	2098.8	1369.4	1291.0	1400.4	1362.1	1252.7	1148.8
58°	16536.6	16224.8	14177.1	5422.9	2075.1	1356.6	1281.9	1382.2	1351.2	1238.1	1134.2
60°	16306.9	16038.8	14191.7	5379.1	1940.1	1292.8	1234.5	1307.4	1292.8	1152.4	1055.8
62.5°	15471.8	15185.5	13602.8	5023.5	1761.4	1214.4	1161.5	1207.1	1174.3	1032.1	942.7
65°	14284.7	13757.7	12392.0	4465.6	1633.8	1130.5	1063.1	1066.7	1032.1	929.9	851.5
67.5°	12703.8	12114.8	10492.0	3763.5	1537.1	1037.5	946.4	937.2	895.3	829.7	765.8
70°	10758.2	10355.2	8526.3	3061.5	1429.6	935.4	815.1	809.6	784.1	734.8	678.3
72.5°	8719.6	8207.2	6885.3	2450.7	1298.3	837.0	692.9	703.8	671.0	636.4	585.3
75°	6434.9	6099.4	5322.6	1965.7	1121.4	729.4	578.0	581.7	567.1	530.6	490.5
77.5°	4237.6	4137.4	3807.3	1291.0	862.5	579.8	472.3	475.9	465.0	432.2	390.2
80°	2851.8	2784.4	2580.1	831.5	576.2	419.4	364.7	368.3	366.5	331.9	275.3
82.5°	1757.8	1728.6	1663.0	561.6	399.3	300.9	240.7	251.6	271.7	233.4	187.8
85°	829.7	831.5	1004.7	306.3	235.2	193.3	131.3	140.4	140.4	140.4	105.8
87.5°	107.6	113.1	138.6	129.5	85.7	72.9	47.4	40.1	34.6	45.6	32.8
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°	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3
2.5°	6017.3	5980.8	5902.4	5884.2	5873.3	5904.3	5822.2	5844.1	5807.6	5909.7	5893.3
5°	5038.1	5041.8	5105.6	5147.5	5162.1	5147.5	5092.8	4998.0	4925.1	4895.9	4903.2
7.5°	4341.6	4405.4	4514.8	4637.0	4748.2	4781.0	4750.0	4569.5	4372.6	4248.6	4208.5
10°	4110.0	4195.7	4321.5	4418.2	4516.6	4595.0	4611.4	4471.0	4237.6	3944.1	3829.2
12.5°	4122.8	4239.5	4359.8	4390.8	4381.7	4412.7	4398.1	4374.4	4221.2	3847.4	3656.0
15°	4002.4	4141.0	4224.9	4208.5	4179.3	4151.9	4113.6	4053.5	3998.8	3736.2	3524.7
17.5°	3725.3	3867.5	3936.8	3942.2	3942.2	3935.0	3842.0	3820.1	3812.8	3685.1	3555.7
20°	3776.3	3854.7	3823.7	3772.7	3787.3	3836.5	3781.8	3770.8	3812.8	3869.3	3845.6
22.5°	3805.5	3778.1	3544.7	3318.6	3267.6	3420.7	3451.7	3573.9	3743.5	3947.7	4080.8
25°	3625.0	3404.3	2986.8	2731.5	2587.4	2729.7	2915.7	3141.8	3395.2	3657.8	3812.8
27.5°	3030.5	2862.8	2563.7	2334.0	2208.2	2230.0	2388.7	2594.7	2830.0	3006.8	3119.9
30°	2282.9	2208.2	2053.2	1974.8	1898.2	1880.0	1947.4	2025.8	2129.8	2151.6	2180.8
32.5°	1681.2	1670.3	1679.4	1653.8	1639.3	1637.4	1617.4	1635.6	1646.6	1659.3	1633.8
35°	1520.7	1506.1	1480.6	1473.3	1464.2	1467.9	1458.7	1449.6	1456.9	1467.9	1475.2
37.5°	1438.7	1416.8	1380.3	1367.6	1367.6	1373.0	1358.5	1354.8	1367.6	1402.2	1420.4
40°	1374.9	1349.3	1307.4	1291.0	1301.9	1316.5	1296.5	1289.2	1320.2	1356.6	1385.8
42.5°	1314.7	1294.6	1254.5	1236.3	1245.4	1272.8	1243.6	1238.1	1278.2	1318.3	1353.0
45°	1263.6	1243.6	1207.1	1198.0	1201.6	1227.2	1207.1	1207.1	1245.4	1289.2	1320.2
47.5°	1223.5	1198.0	1174.3	1167.0	1170.6	1185.2	1181.6	1181.6	1218.0	1263.6	1294.6
50°	1183.4	1161.5	1130.5	1134.2	1143.3	1163.3	1161.5	1167.0	1203.5	1260.0	1292.8
52.5°	1165.2	1132.3	1097.7	1101.3	1128.7	1152.4	1145.1	1150.6	1192.5	1298.3	1345.7
55°	1145.1	1101.3	1061.2	1066.7	1097.7	1132.3	1123.2	1130.5	1179.8	1323.8	1389.4
57.5°	1106.8	1055.8	1012.0	1015.6	1061.2	1097.7	1083.1	1092.2	1150.6	1296.5	1365.7
58°	1090.4	1046.6	1004.7	1006.5	1050.3	1090.4	1074.0	1081.3	1141.5	1289.2	1354.8
60°	1021.1	995.6	959.1	960.9	1002.9	1037.5	1028.4	1035.7	1094.1	1236.3	1285.5
62.5°	926.3	911.7	902.6	902.6	928.1	960.9	970.1	979.2	1032.1	1117.8	1161.5
65°	824.2	824.2	826.0	826.0	842.4	884.4	889.8	913.5	962.8	1004.7	1037.5
67.5°	754.9	751.3	754.9	745.8	753.1	778.6	806.0	827.8	878.9	908.1	919.0
70°	665.6	663.7	665.6	652.8	661.9	683.8	702.0	738.5	791.4	813.2	818.7
72.5°	578.0	578.0	581.7	572.6	572.6	596.3	609.0	649.1	698.4	711.1	713.0
75°	486.9	492.3	492.3	479.6	483.2	497.8	514.2	547.0	592.6	601.7	601.7
77.5°	386.6	406.6	406.6	393.9	399.3	401.2	423.0	439.4	474.1	477.7	463.1
80°	280.8	300.9	317.3	306.3	315.5	304.5	317.3	328.2	362.9	346.5	322.7
82.5°	200.6	215.2	227.9	229.8	220.6	200.6	217.0	218.8	235.2	213.3	200.6
85°	111.2	124.0	140.4	133.1	118.5	105.8	111.2	114.9	113.1	107.6	100.3
87.5°	29.2	31.0	34.6	25.5	23.7	20.1	27.4	27.4	31.0	32.8	31.0
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°	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3
2.5°	5906.1	5986.3	6159.5	6290.8	6451.3	6646.4	6876.1	7107.7	7357.5	7435.9	7545.3
5°	4886.8	5087.4	5171.2	5410.1	5647.1	6002.7	6382.0	6821.4	7302.8	7534.4	7756.9
7.5°	4175.6	4283.2	4370.8	4545.8	4830.3	5262.4	5738.3	6287.2	6969.1	7306.5	7632.9
10°	3792.7	3803.7	3911.2	4128.2	4376.2	4757.3	5207.7	5822.2	6582.6	6992.8	7375.8
12.5°	3539.3	3491.9	3608.6	3834.7	4115.5	4467.4	4881.3	5466.6	6303.6	6724.8	7187.9
15°	3316.8	3242.0	3329.6	3561.1	3838.3	4252.2	4697.1	5317.1	6194.2	6684.7	7198.9
17.5°	3322.3	3116.2	3147.2	3342.3	3617.7	4038.9	4578.6	5311.6	6360.1	6925.4	7534.4
20°	3732.6	3402.5	3262.1	3298.6	3564.8	4024.3	4633.3	5566.9	6905.3	7729.5	8380.5
22.5°	4135.5	3936.8	3710.7	3635.9	3781.8	4263.2	4981.6	6170.5	8090.5	9332.3	10508.4
25°	3995.1	4164.7	4108.2	4002.4	4035.2	4434.6	5218.6	6666.4	9011.4	10409.9	11514.9
27.5°	3196.5	3504.6	3566.6	3564.8	3577.6	3905.8	4693.5	6332.8	9126.2	10616.0	11671.7
30°	2246.5	2273.8	2306.6	2370.5	2428.8	2722.4	3672.4	5559.6	9075.2	10709.0	11766.6
32.5°	1621.0	1657.5	1703.1	1790.6	1929.2	2303.0	3212.9	5313.5	9345.1	11093.7	12043.7
35°	1482.4	1524.4	1568.1	1668.4	1799.7	2146.2	3030.5	5211.3	9788.1	11717.3	12541.5
37.5°	1438.7	1486.1	1524.4	1597.3	1703.1	2033.1	2864.6	5142.1	10242.2	12377.4	13208.9
40°	1407.7	1462.4	1493.4	1551.7	1624.7	1929.2	2716.9	5087.4	10681.6	12981.0	13745.0
42.5°	1380.3	1436.9	1477.0	1518.9	1579.1	1836.2	2585.6	5032.7	11062.7	13566.3	14279.2
45°	1347.5	1418.6	1469.7	1502.5	1555.4	1757.8	2485.3	4988.9	11496.7	14086.0	14819.0
47.5°	1320.2	1398.6	1462.4	1500.7	1520.7	1703.1	2405.1	5049.1	12018.2	14629.3	15320.4
50°	1322.0	1396.7	1477.0	1537.1	1484.3	1657.5	2355.9	5287.9	12696.5	15274.8	15716.1
52.5°	1380.3	1471.5	1535.3	1549.9	1433.2	1602.8	2330.3	5705.5	13498.8	15845.6	16115.4
55°	1446.0	1540.8	1610.1	1601.0	1405.9	1533.5	2324.9	6150.4	14377.7	16511.1	16635.1
57.5°	1422.3	1560.9	1666.6	1619.2	1407.7	1466.0	2301.2	6509.6	15112.5	17008.9	17149.3
58°	1415.0	1553.6	1673.9	1615.6	1402.2	1446.0	2295.7	6540.6	15214.7	17043.6	17222.3
60°	1343.9	1489.7	1668.4	1588.2	1371.2	1391.3	2235.5	6640.9	15187.3	16864.9	17266.0
62.5°	1214.4	1334.7	1542.6	1455.1	1276.4	1318.3	2100.6	6516.9	14447.0	16004.2	16626.0
65°	1068.5	1157.9	1296.5	1280.0	1141.5	1243.6	1916.4	6026.4	12964.6	14607.5	15262.1
67.5°	959.1	1032.1	1119.6	1095.9	1026.6	1143.3	1717.7	5196.8	11301.6	12929.9	13754.1
70°	847.9	904.4	948.2	931.8	909.9	1044.8	1540.8	4217.6	9707.9	11336.2	12134.9
72.5°	734.8	787.7	824.2	800.5	787.7	940.9	1396.7	3273.0	7667.5	9352.3	10378.9
75°	614.5	667.4	692.9	665.6	658.3	829.7	1183.4	2445.2	5752.9	7209.8	8096.0
77.5°	475.9	532.4	565.3	556.1	559.8	682.0	955.5	1673.9	4113.6	4914.1	5847.7
80°	333.7	395.7	417.6	408.4	434.0	519.7	674.7	1063.1	2837.2	3189.2	3847.4
82.5°	206.0	264.4	268.0	277.2	295.4	384.7	508.7	647.3	1781.5	1841.7	2319.4
85°	103.9	125.8	134.9	149.5	165.9	235.2	289.9	401.2	1146.9	868.0	1296.5
87.5°	34.6	36.5	43.8	54.7	67.5	96.6	124.0	164.1	284.5	156.8	401.2
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°	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3	6936.3
2.5°	7766.0	7921.0	8034.0	8137.9	8037.7	8028.5	7930.1	7771.4	7705.8	7705.8
5°	8223.6	8586.5	8880.1	9067.9	8987.7	8794.4	8475.3	8068.7	7849.8	7811.6
7.5°	8349.5	9066.1	9611.3	9804.6	9669.6	9242.9	8632.1	7946.5	7632.9	7563.6
10°	8272.9	9204.7	10005.1	10311.5	10123.7	9478.2	8644.9	7804.3	7417.7	7337.5
12.5°	8192.6	9222.9	10078.1	10521.2	10399.0	9667.8	8737.9	7711.3	7264.5	7149.7
15°	8251.0	9230.2	9988.7	10446.4	10524.8	9895.7	8891.0	7778.7	7233.5	7111.4
17.5°	8619.3	9368.8	9861.1	10231.2	10506.6	10205.7	9326.8	8101.5	7510.7	7359.3
20°	9388.8	9700.6	9934.0	10220.3	10663.4	10838.4	10218.5	8987.7	8289.3	8156.2
22.5°	11617.0	11560.5	11082.8	11077.3	11719.2	12421.2	12379.2	10789.2	9738.9	9629.5
25°	12452.2	12189.6	11498.5	11330.8	11613.4	12696.5	12539.7	11157.5	10187.5	9921.3
27.5°	12125.8	11474.8	11020.8	10982.5	10889.5	11912.4	12289.9	11307.1	10344.3	10085.4
30°	12105.7	11148.4	10499.3	10575.9	10665.2	11642.6	12428.5	11775.7	10745.4	10468.3
32.5°	12155.0	11194.0	10537.6	10552.2	10818.4	11682.7	12581.6	12286.2	11272.4	10995.3
35°	12353.7	11452.9	10781.9	10747.3	11163.0	11945.3	12842.4	13088.5	11992.7	11677.2
37.5°	12674.6	11969.0	11228.7	11219.5	11823.1	12419.3	13167.0	13898.1	12709.3	12370.1
40°	13146.9	12572.5	12023.7	11974.4	12720.2	13190.7	13588.2	14760.6	13542.6	13106.8
42.5°	13717.6	13296.4	13072.1	13267.2	13983.8	14056.8	14244.6	15557.5	14251.9	13745.0
45°	14246.4	14226.4	14538.2	15056.0	15473.6	15036.0	14930.2	16091.7	14802.6	14251.9
47.5°	14875.5	15418.9	16359.8	17118.3	17555.9	16175.6	15515.5	16440.0	15203.7	14696.8
50°	15513.7	16846.6	18349.1	19406.7	19499.7	17413.7	15918.5	16768.2	15568.4	15041.4
52.5°	16184.7	17986.3	19986.6	21215.6	21035.0	18491.4	16308.7	16990.7	15944.0	15480.9
55°	16768.2	18684.6	20901.9	22081.7	21817.3	19147.8	16729.9	17231.4	16480.1	16089.9
57.5°	17094.6	18743.0	20674.0	21704.2	21418.0	19020.1	16923.2	17410.1	16822.9	16516.6
58°	17142.0	18664.6	20471.6	21485.4	21193.7	18912.6	16921.4	17402.8	16844.8	16536.6
60°	17100.1	18155.8	19718.5	20621.1	20314.8	18237.9	16852.1	17266.0	16567.6	16306.9
62.5°	16711.7	17273.3	18418.4	19074.9	18987.3	17184.0	16567.6	16750.0	15723.4	15471.8
65°	16201.1	16069.8	16753.6	17218.6	17284.2	16394.4	16285.0	15634.0	14640.3	14284.7
67.5°	15581.2	14705.9	14704.1	14968.5	15077.9	15180.0	15696.0	14421.5	13079.4	12703.8
70°	14529.1	12603.5	12023.7	12335.5	12244.3	13106.8	14643.9	12718.4	11197.7	10758.2
72.5°	12599.9	10001.5	9073.4	9474.5	9244.8	10278.6	12813.2	10466.5	9259.4	8719.6
75°	10213.0	7481.5	6524.2	6892.5	6750.3	7797.0	10661.6	7601.9	6640.9	6434.9
77.5°	7930.1	5421.0	4864.9	4813.8	4919.6	5802.1	7820.7	5132.9	4378.0	4237.6
80°	5094.6	3880.2	3913.1	3847.4	3902.1	3657.8	4748.2	3274.9	2964.9	2851.8
82.5°	3353.3	2704.1	3223.8	2975.8	2826.3	2459.8	3114.4	2144.3	1819.8	1757.8
85°	2284.8	1991.2	1812.5	1385.8	1632.0	1894.5	2335.8	1154.2	915.4	829.7
87.5°	1032.1	692.9	508.7	313.6	496.0	572.6	1134.2	134.9	103.9	107.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)