

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: P528446

Luminaire Tested: **GALN-SA3C-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14560 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

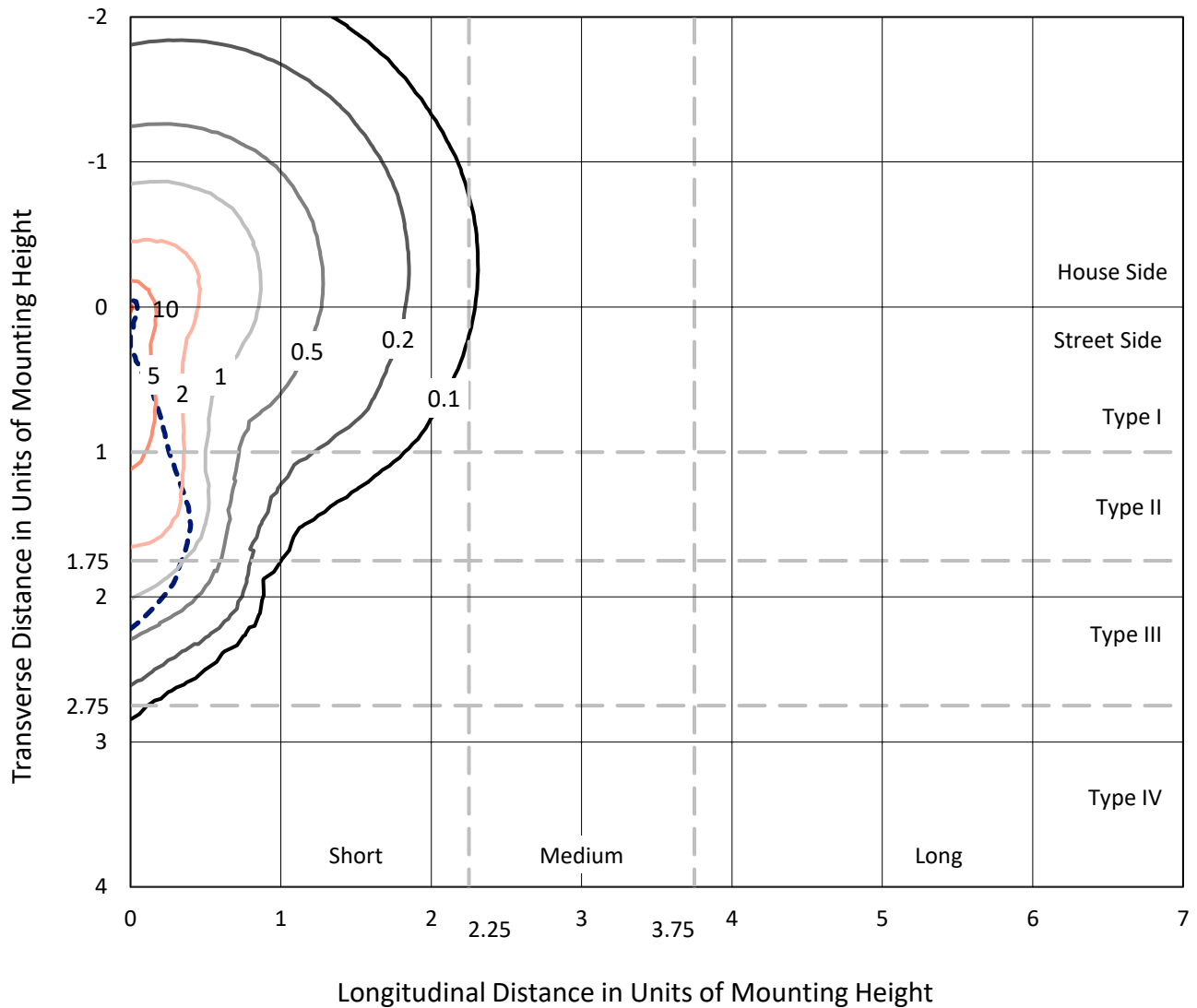
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

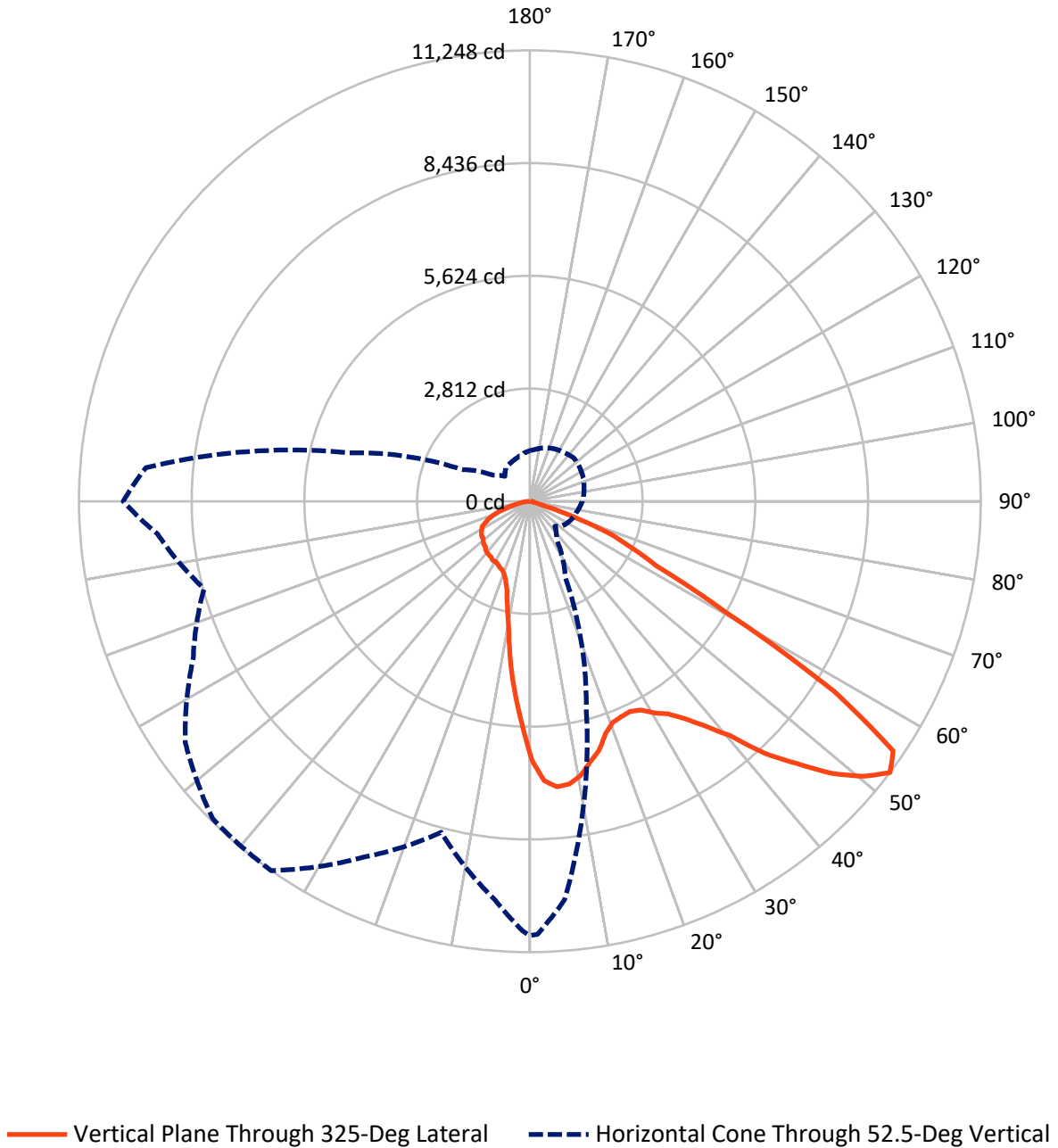
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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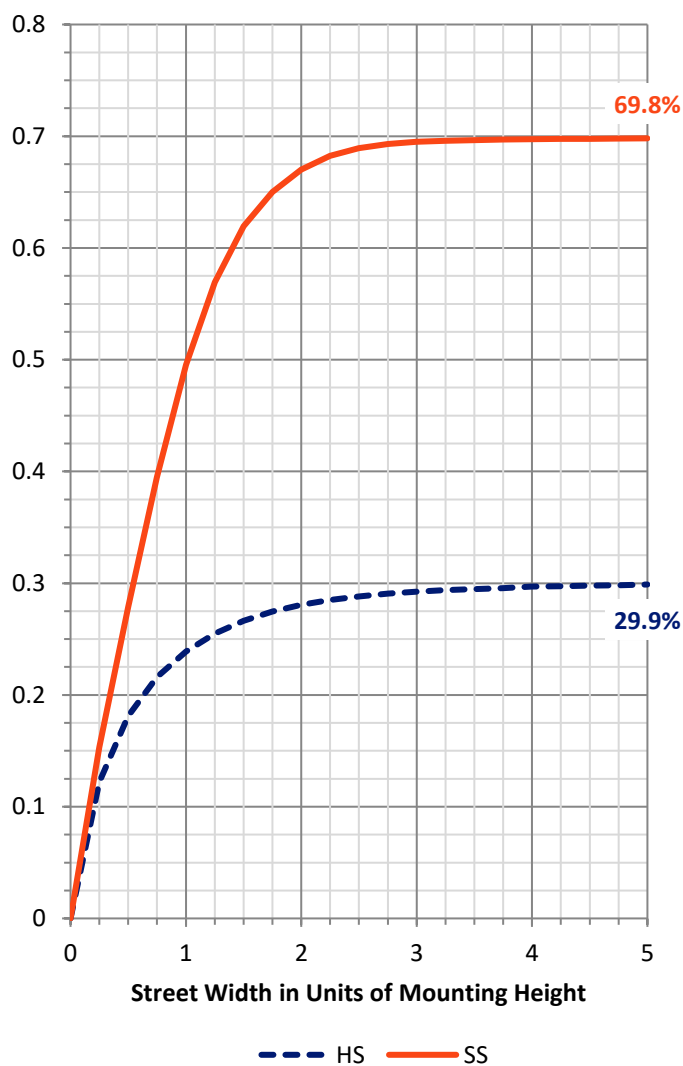
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4389.2	0.0	4389.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	10170.8	0.0	10170.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	14560.0	0.0	14560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.0	3.4
10°-20°	1068.7	7.3
20°-30°	1614.7	11.1
30°-40°	2333.4	16.0
40°-50°	3105.3	21.3
50°-60°	3473.3	23.9
60°-70°	1957.5	13.4
70°-80°	436.4	3.0
80°-90°	77.7	0.5
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°	14560.0	100.0
0°-180°	14560.0	100.0

Coefficient of Utilization



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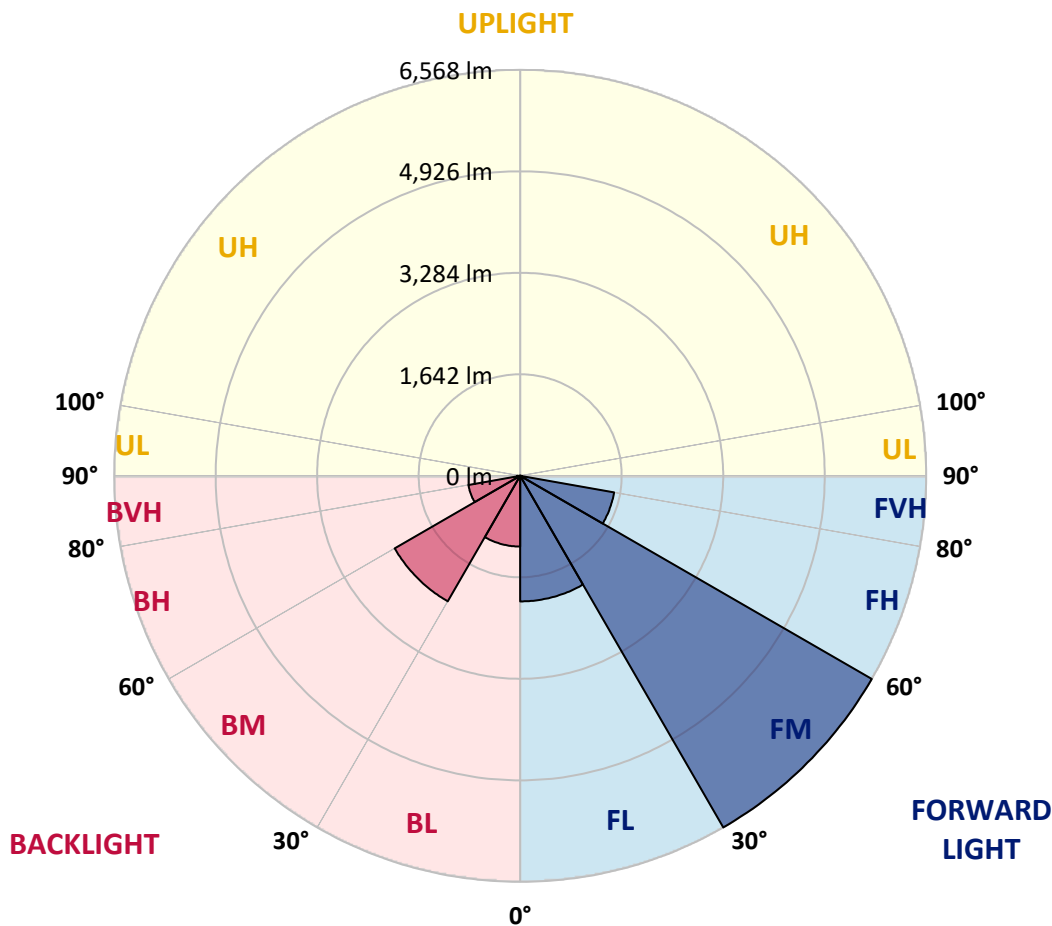
CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2031.8	14.0			
FM (30°-60°)	6567.7	45.1			
FH (60°-80°)	1543.1	10.6			G1/1800
FVH (80°-90°)	28.1	0.2			G1/100
BL (0°-30°)	1144.6	7.9	B3/2500		
BM (30°-60°)	2344.3	16.1	B2/2500		
BH (60°-80°)	850.8	5.8	B2/1000		G2/1000
BVH (80°-90°)	49.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8
2.5°	6569.4	6675.0	6561.0	6358.4	6214.9	6084.1	5946.9	5919.5	5740.1	5708.4	5577.6
5°	6195.9	6172.7	6033.4	5767.5	5474.2	5208.3	5012.0	4822.1	4693.4	4543.5	4533.0
7.5°	5742.2	5607.1	5526.9	5123.9	4760.9	4343.1	4163.7	3874.6	3783.8	3648.8	3579.1
10°	5337.0	5237.8	5050.0	4646.9	4140.5	3864.0	3672.0	3515.8	3410.3	3271.0	3095.8
12.5°	5136.5	5096.4	4885.4	4260.7	3885.1	3589.7	3454.6	3302.7	3123.3	2899.6	2813.1
15°	5172.4	5037.3	4877.0	4186.9	3667.7	3382.9	3167.6	2977.7	2747.6	2534.5	2410.0
17.5°	5440.4	5337.0	5016.2	4233.3	3585.4	3173.9	2783.5	2502.8	2296.0	2104.0	2017.5
20°	5968.0	5818.2	5457.3	4292.4	3408.2	2882.7	2435.3	2089.2	1867.6	1766.3	1736.8
22.5°	6552.6	6463.9	5887.8	4425.4	3266.8	2612.6	2066.0	1719.9	1637.6	1610.2	1665.0
25°	7263.7	7033.7	6556.8	4642.7	3157.0	2382.6	1753.7	1561.6	1519.4	1546.9	1610.2
27.5°	7804.0	7742.8	7025.3	4847.4	3007.2	2106.1	1578.5	1451.9	1464.6	1492.0	1551.1
30°	8445.5	8135.3	7479.0	4988.8	2872.2	1916.2	1456.1	1422.4	1435.0	1481.4	1511.0
32.5°	8831.7	8715.6	7763.9	5202.0	2716.0	1751.6	1361.2	1329.5	1348.5	1418.1	1487.8
35°	9323.4	9093.4	8116.3	5256.8	2606.3	1686.2	1293.6	1270.4	1314.7	1363.3	1441.4
37.5°	9897.4	9739.2	8603.8	5218.8	2547.2	1618.6	1236.7	1226.1	1257.8	1325.3	1416.0
40°	10237.2	10188.7	8859.1	5242.0	2454.3	1559.5	1171.2	1183.9	1249.3	1302.1	1390.7
42.5°	10564.3	10247.7	9236.9	5233.6	2395.2	1479.3	1177.6	1162.8	1213.4	1274.6	1359.0
45°	10636.0	10321.6	9325.5	5174.5	2323.5	1401.3	1129.0	1135.4	1196.6	1272.5	1327.4
47.5°	10589.6	10357.5	9490.1	5157.6	2255.9	1346.4	1057.3	1133.2	1169.1	1230.3	1308.4
50°	10558.0	10545.3	9629.4	5237.8	2165.2	1259.9	970.7	1105.8	1141.7	1202.9	1287.3
52.5°	10836.5	10809.1	9977.6	5448.9	2093.4	1167.0	882.1	1036.2	1122.7	1181.8	1264.1
55°	11005.3	10885.1	10574.8	5708.4	1973.2	1044.6	820.9	949.6	1076.3	1129.0	1213.4
57.5°	9899.5	9817.2	9566.1	5328.6	1770.6	884.2	744.9	861.0	1013.0	1095.3	1181.8
60°	8236.6	8107.9	7464.2	4528.8	1306.3	688.0	698.5	791.4	996.1	1027.7	1129.0
62.5°	7766.0	7447.3	6571.6	3644.5	1002.4	590.9	626.8	728.1	907.4	960.2	1061.5
65°	6162.2	5925.8	4701.8	2631.6	671.1	512.8	571.9	656.3	782.9	886.3	979.2
67.5°	3857.7	3631.9	2509.2	1245.1	468.5	438.9	510.7	599.3	702.7	795.6	899.0
70°	2015.4	1768.5	1158.6	449.5	322.9	358.8	426.3	510.7	612.0	688.0	768.2
72.5°	751.3	609.9	377.7	194.1	223.7	274.3	346.1	407.3	479.0	571.9	616.2
75°	116.1	99.2	97.1	118.2	151.9	198.4	246.9	308.1	371.4	430.5	460.1
77.5°	54.9	52.8	59.1	78.1	101.3	141.4	179.4	238.5	289.1	327.1	344.0
80°	35.9	33.8	38.0	52.8	76.0	105.5	143.5	183.6	230.0	261.7	257.5
82.5°	21.1	23.2	23.2	35.9	52.8	76.0	103.4	139.3	170.9	198.4	181.5
85°	12.7	10.6	10.6	21.1	35.9	61.2	86.5	59.1	61.2	61.2	69.6
87.5°	4.2	4.2	4.2	2.1	4.2	4.2	6.3	10.6	12.7	14.8	19.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8
2.5°	5573.4	5638.8	5615.6	5533.3	5596.6	5607.1	5564.9	5710.5	5738.0	5693.7	5706.3
5°	4518.2	4535.1	4573.1	4653.3	4710.2	4777.8	4777.8	4782.0	4725.0	4868.5	4826.3
7.5°	3520.0	3530.6	3574.9	3745.8	3794.4	3923.1	3978.0	3940.0	3826.0	3777.5	3817.6
10°	3038.9	2977.7	2962.9	2984.0	3093.7	3148.6	3195.0	3182.4	3163.4	3125.4	3083.2
12.5°	2718.1	2673.8	2637.9	2587.3	2593.6	2646.3	2682.2	2652.7	2661.1	2669.6	2682.2
15°	2369.9	2338.2	2319.2	2243.3	2234.8	2270.7	2283.4	2300.3	2331.9	2334.0	2319.2
17.5°	2000.6	1973.2	2015.4	2057.6	2028.0	2030.1	2053.3	2068.1	2059.7	2021.7	2002.7
20°	1747.3	1776.9	1819.1	1859.2	1890.9	1909.8	1918.3	1895.1	1867.6	1789.6	1787.4
22.5°	1673.5	1711.5	1747.3	1808.5	1838.1	1886.6	1842.3	1789.6	1751.6	1713.6	1669.3
25°	1618.6	1650.3	1722.0	1745.2	1802.2	1842.3	1810.7	1757.9	1692.5	1637.6	1603.8
27.5°	1578.5	1614.4	1660.8	1724.1	1768.5	1791.7	1760.0	1738.9	1671.4	1606.0	1557.4
30°	1553.2	1591.2	1675.6	1728.4	1766.3	1785.3	1730.5	1705.1	1656.6	1601.7	1559.5
32.5°	1536.3	1570.1	1641.8	1709.4	1734.7	1734.7	1743.1	1713.6	1646.1	1553.2	1517.3
35°	1481.4	1527.9	1587.0	1665.0	1711.5	1738.9	1696.7	1662.9	1618.6	1523.7	1458.2
37.5°	1449.8	1481.4	1557.4	1631.3	1671.4	1700.9	1684.0	1625.0	1565.9	1487.8	1435.0
40°	1416.0	1466.7	1534.2	1603.8	1648.2	1677.7	1665.0	1595.4	1523.7	1449.8	1413.9
42.5°	1392.8	1426.6	1496.2	1574.3	1627.1	1684.0	1646.1	1559.5	1508.9	1407.6	1367.5
45°	1373.8	1428.7	1502.6	1534.2	1589.1	1648.2	1580.6	1527.9	1468.8	1394.9	1361.2
47.5°	1350.6	1401.3	1449.8	1534.2	1559.5	1587.0	1574.3	1489.9	1439.2	1359.0	1335.8
50°	1342.2	1361.2	1449.8	1496.2	1532.1	1559.5	1525.8	1462.5	1413.9	1331.6	1281.0
52.5°	1308.4	1344.3	1401.3	1462.5	1506.8	1540.5	1485.7	1445.6	1380.2	1293.6	1262.0
55°	1266.2	1287.3	1388.6	1451.9	1475.1	1498.3	1477.2	1411.8	1344.3	1255.6	1224.0
57.5°	1211.3	1259.9	1342.2	1430.8	1460.3	1473.0	1439.2	1386.5	1302.1	1224.0	1173.3
60°	1154.3	1205.0	1295.7	1367.5	1397.0	1443.5	1392.8	1361.2	1264.1	1177.6	1122.7
62.5°	1097.4	1154.3	1221.9	1312.6	1337.9	1356.9	1344.3	1300.0	1221.9	1124.8	1057.3
65°	1029.8	1072.0	1156.5	1202.9	1219.8	1264.1	1219.8	1202.9	1133.2	1040.4	983.4
67.5°	928.5	964.4	1038.3	1082.6	1095.3	1114.3	1112.1	1093.1	1015.1	951.8	901.1
70°	812.5	844.1	890.6	943.3	949.6	972.9	951.8	947.5	896.9	810.4	782.9
72.5°	652.1	681.6	742.8	766.0	768.2	776.6	766.0	751.3	738.6	647.9	620.4
75°	500.1	517.0	546.6	567.7	567.7	578.2	571.9	557.1	523.4	466.4	438.9
77.5°	348.2	365.1	403.1	415.7	413.6	417.8	398.9	384.1	333.4	303.9	280.7
80°	253.2	263.8	282.8	291.2	293.3	299.7	276.5	263.8	234.2	200.5	189.9
82.5°	183.6	189.9	192.0	202.6	202.6	192.0	185.7	173.0	151.9	130.8	122.4
85°	76.0	78.1	80.2	92.9	95.0	114.0	105.5	99.2	86.5	73.9	67.5
87.5°	19.0	21.1	27.4	23.2	27.4	27.4	29.5	33.8	33.8	27.4	27.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8
2.5°	5754.9	5771.7	5987.0	6014.4	6119.9	6227.6	6444.9	6601.1	6727.7	6810.0	6833.2
5°	4870.6	4978.3	5077.4	5237.8	5383.4	5590.3	5828.7	6124.2	6495.6	6685.5	6761.5
7.5°	3813.4	3940.0	4083.5	4239.6	4452.8	4824.2	5142.9	5484.7	5959.6	6155.8	6453.4
10°	3112.7	3254.1	3444.1	3564.3	3821.8	4176.3	4547.8	4942.4	5396.1	5678.9	6022.9
12.5°	2751.9	2867.9	3043.1	3296.3	3488.4	3718.4	3994.8	4492.9	5142.9	5410.9	5647.2
15°	2353.0	2481.7	2684.3	2965.0	3195.0	3469.4	3779.6	4321.9	5014.1	5427.8	5628.2
17.5°	2023.8	2116.7	2329.8	2572.5	2836.3	3135.9	3581.2	4313.5	5149.2	5678.9	6006.0
20°	1795.9	1808.5	1924.6	2131.4	2490.2	2880.6	3458.8	4271.3	5581.8	6111.5	6525.1
22.5°	1652.4	1639.7	1641.8	1817.0	2068.1	2629.5	3266.8	4414.8	6073.5	6799.5	7078.0
25°	1580.6	1546.9	1525.8	1563.8	1791.7	2331.9	3121.2	4604.7	6603.2	7367.1	7709.0
27.5°	1542.6	1483.6	1441.4	1447.7	1614.4	2182.1	3030.4	4687.0	7128.7	8158.5	8278.8
30°	1527.9	1454.0	1392.8	1371.7	1481.4	1973.2	2836.3	4828.4	7599.3	8593.2	8696.7
32.5°	1475.1	1384.4	1325.3	1306.3	1350.6	1789.6	2697.0	4929.7	8015.0	9066.0	9030.1
35°	1413.9	1337.9	1264.1	1228.2	1259.9	1671.4	2585.1	4881.2	8504.6	9433.2	9414.2
37.5°	1407.6	1308.4	1247.2	1188.1	1186.0	1525.8	2433.2	4927.6	8816.9	10091.6	9832.0
40°	1352.7	1289.4	1209.2	1160.7	1133.2	1451.9	2285.5	4817.9	9274.9	10357.5	10102.1
42.5°	1354.8	1259.9	1190.2	1133.2	1105.8	1344.3	2184.2	4788.3	9435.3	10790.1	10228.7
45°	1321.1	1228.2	1169.1	1101.6	1086.8	1262.0	2087.1	4651.2	9718.1	10811.2	10070.5
47.5°	1287.3	1205.0	1141.7	1061.5	1027.7	1232.4	2011.1	4537.2	9570.3	10612.8	9851.0
50°	1264.1	1169.1	1110.0	1053.1	958.1	1181.8	1912.0	4509.8	9363.5	10344.8	9443.7
52.5°	1224.0	1139.6	1078.4	1034.1	882.1	1135.4	1874.0	4670.2	9616.8	10144.3	9325.5
55°	1186.0	1099.5	1021.4	934.9	818.8	1013.0	1768.5	4820.0	9986.1	10606.5	9861.6
57.5°	1145.9	1063.6	979.2	875.8	757.6	886.3	1658.7	4847.4	9293.9	9802.5	9361.4
60°	1093.1	987.6	924.3	789.3	692.2	734.4	1314.7	4273.4	7208.9	8186.0	8200.7
62.5°	1034.1	920.1	865.2	707.0	624.7	633.1	1072.0	3591.8	5847.7	6776.3	7179.3
65°	956.0	846.2	780.8	654.2	576.1	548.7	785.0	2631.6	4442.2	5497.4	5955.3
67.5°	854.7	751.3	669.0	569.8	514.9	470.6	536.0	1481.4	2623.1	3691.0	3830.2
70°	747.1	658.4	571.9	489.6	428.4	396.7	392.5	656.3	1253.5	1985.8	2260.2
72.5°	588.8	525.5	455.8	394.6	354.5	308.1	280.7	272.2	424.2	808.3	1116.4
75°	422.1	369.3	329.2	289.1	259.6	234.2	213.1	194.1	177.3	202.6	278.6
77.5°	265.9	246.9	215.3	204.7	187.8	181.5	173.0	162.5	149.8	141.4	141.4
80°	179.4	166.7	156.2	154.1	147.7	145.6	147.7	137.2	124.5	114.0	118.2
82.5°	120.3	118.2	116.1	114.0	116.1	118.2	122.4	120.3	109.7	103.4	105.5
85°	71.8	76.0	80.2	84.4	92.9	82.3	67.5	57.0	50.6	46.4	44.3
87.5°	27.4	38.0	33.8	31.7	33.8	31.7	29.5	27.4	23.2	21.1	21.1
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°	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8	6461.8
2.5°	6987.3	7029.5	7065.4	7056.9	6983.1	6883.9	6843.8	6639.1	6596.9	6569.4
5°	7082.3	7327.1	7379.8	7348.2	7156.1	6913.4	6677.1	6377.4	6202.2	6195.9
7.5°	6907.1	7208.9	7303.8	7375.6	7120.2	6698.2	6293.0	5843.5	5733.8	5742.2
10°	6461.8	6943.0	7177.2	7251.1	6957.7	6592.7	6031.3	5575.5	5341.2	5337.0
12.5°	6214.9	6592.7	6658.1	6761.5	6675.0	6305.7	5879.4	5368.7	5140.8	5136.5
15°	5995.4	6244.5	6263.4	6409.1	6455.5	6206.5	5919.5	5375.0	5191.4	5172.4
17.5°	6187.5	6014.4	5942.7	5961.7	6098.8	6189.6	6151.6	5733.8	5545.9	5440.4
20°	6316.2	5930.0	5712.7	5733.8	5896.3	6227.6	6497.7	6252.9	5955.3	5968.0
22.5°	6660.2	5942.7	5602.9	5579.7	5837.2	6425.9	6888.1	6909.2	6622.2	6552.6
25°	7175.1	6088.3	5569.1	5562.8	5809.7	6639.1	7343.9	7685.8	7392.5	7263.7
27.5°	7588.7	6316.2	5674.7	5695.8	5896.3	6812.1	7732.2	8186.0	7962.3	7804.0
30°	7951.7	6552.6	5822.4	5725.3	6128.4	6902.9	7898.9	8755.7	8576.4	8445.5
32.5°	8101.5	6888.1	6056.6	5896.3	6320.4	7012.6	8245.0	9308.6	9154.6	8831.7
35°	8354.8	7075.9	6183.3	6170.6	6656.0	7276.4	8407.5	9673.7	9610.4	9323.4
37.5°	8557.4	7265.9	6632.8	6493.5	7116.0	7719.6	8669.2	10178.1	10032.5	9897.4
40°	8713.5	7605.6	7052.7	7236.3	7681.6	8122.6	8909.8	10209.8	10629.7	10237.2
42.5°	8570.0	7909.5	7742.8	8181.7	8603.8	8582.7	8937.2	10454.6	10769.0	10564.3
45°	8534.2	8424.4	8833.8	9232.7	9329.8	8964.7	8741.0	10184.4	10726.8	10636.0
47.5°	8447.6	8930.9	9644.2	10294.2	10146.4	9220.0	8506.7	10135.9	10752.1	10589.6
50°	8418.1	9040.6	10243.5	10876.6	10788.0	9441.6	8397.0	9823.6	10572.7	10558.0
52.5°	8416.0	9266.4	10492.5	11193.2	11248.0	9791.9	8546.8	9981.8	10712.0	10836.5
55°	8510.9	9194.7	10460.9	11018.0	10996.9	9635.7	8563.7	10087.4	10882.9	11005.3
57.5°	8027.7	8236.6	8633.3	9074.4	8960.4	7981.3	7647.8	9325.5	9988.2	9899.5
60°	6932.4	6278.2	5830.8	5809.7	5588.1	5282.1	6259.2	8323.1	8323.1	8236.6
62.5°	6071.4	4121.5	3541.1	3376.5	3534.8	3887.2	6037.6	8095.2	7865.2	7766.0
65°	5309.6	3146.5	2559.8	2513.4	2787.7	3319.5	5459.4	6896.5	6491.4	6162.2
67.5°	3416.6	2304.5	1903.5	1821.2	2152.5	2437.4	3634.0	4241.8	3986.4	3857.7
70°	2203.2	1500.4	1059.4	994.0	1122.7	1502.6	2321.4	2473.3	2101.9	2015.4
72.5°	1042.5	647.9	371.4	306.0	344.0	574.0	918.0	987.6	820.9	751.3
75°	331.3	238.5	151.9	130.8	124.5	147.7	211.0	162.5	118.2	116.1
77.5°	147.7	141.4	120.3	101.3	88.6	73.9	61.2	50.6	52.8	54.9
80°	122.4	111.8	99.2	88.6	73.9	57.0	44.3	33.8	33.8	35.9
82.5°	107.6	97.1	86.5	73.9	63.3	46.4	33.8	23.2	21.1	21.1
85°	46.4	54.9	59.1	63.3	50.6	38.0	23.2	14.8	12.7	12.7
87.5°	19.0	16.9	14.8	12.7	10.6	10.6	8.4	6.3	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)