

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: P651900

Luminaire Tested: **GALN-SA5A-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5A-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14344.1 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 154
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

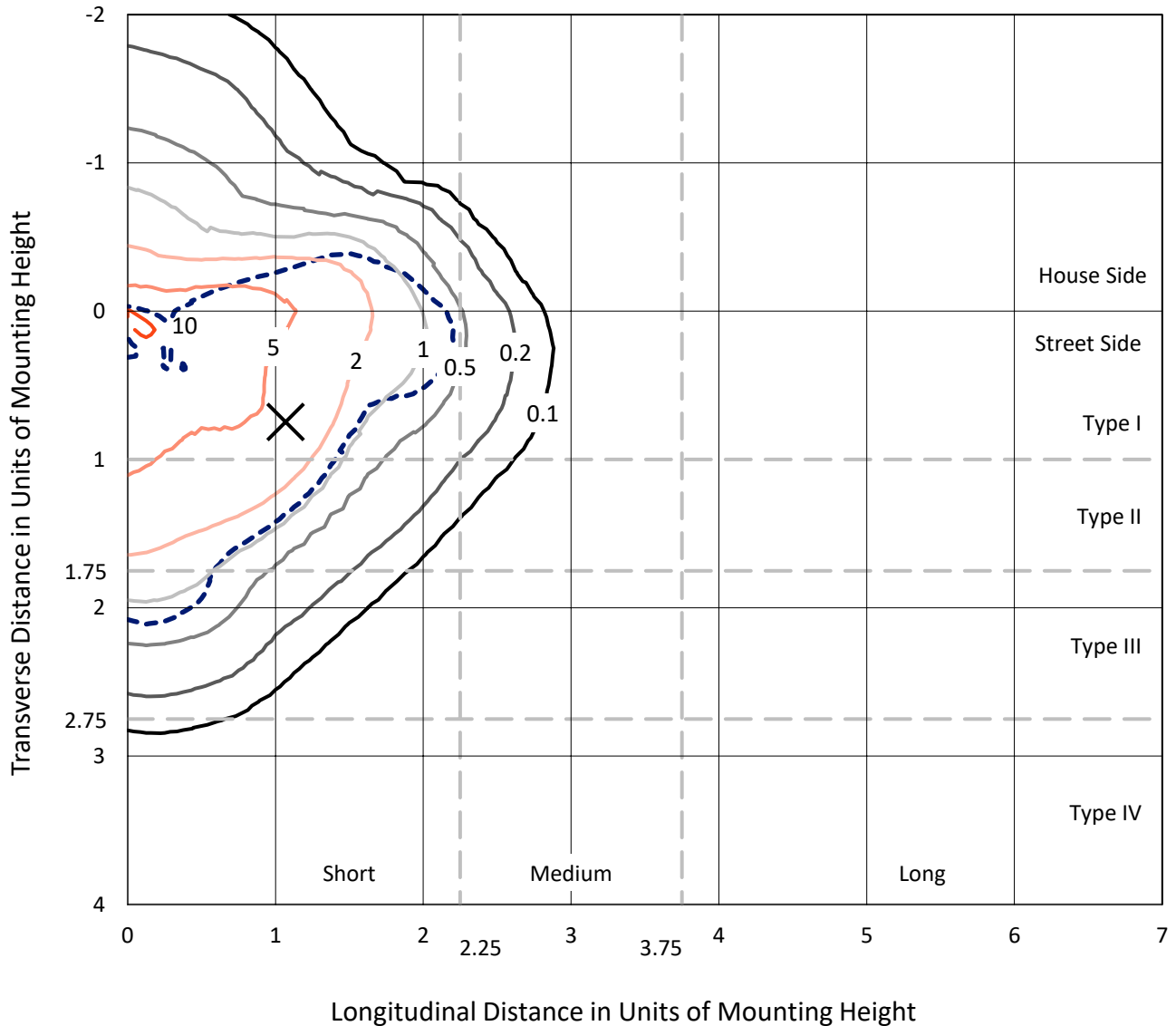




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Iso-Footcandle Lines of Horizontal Illumination

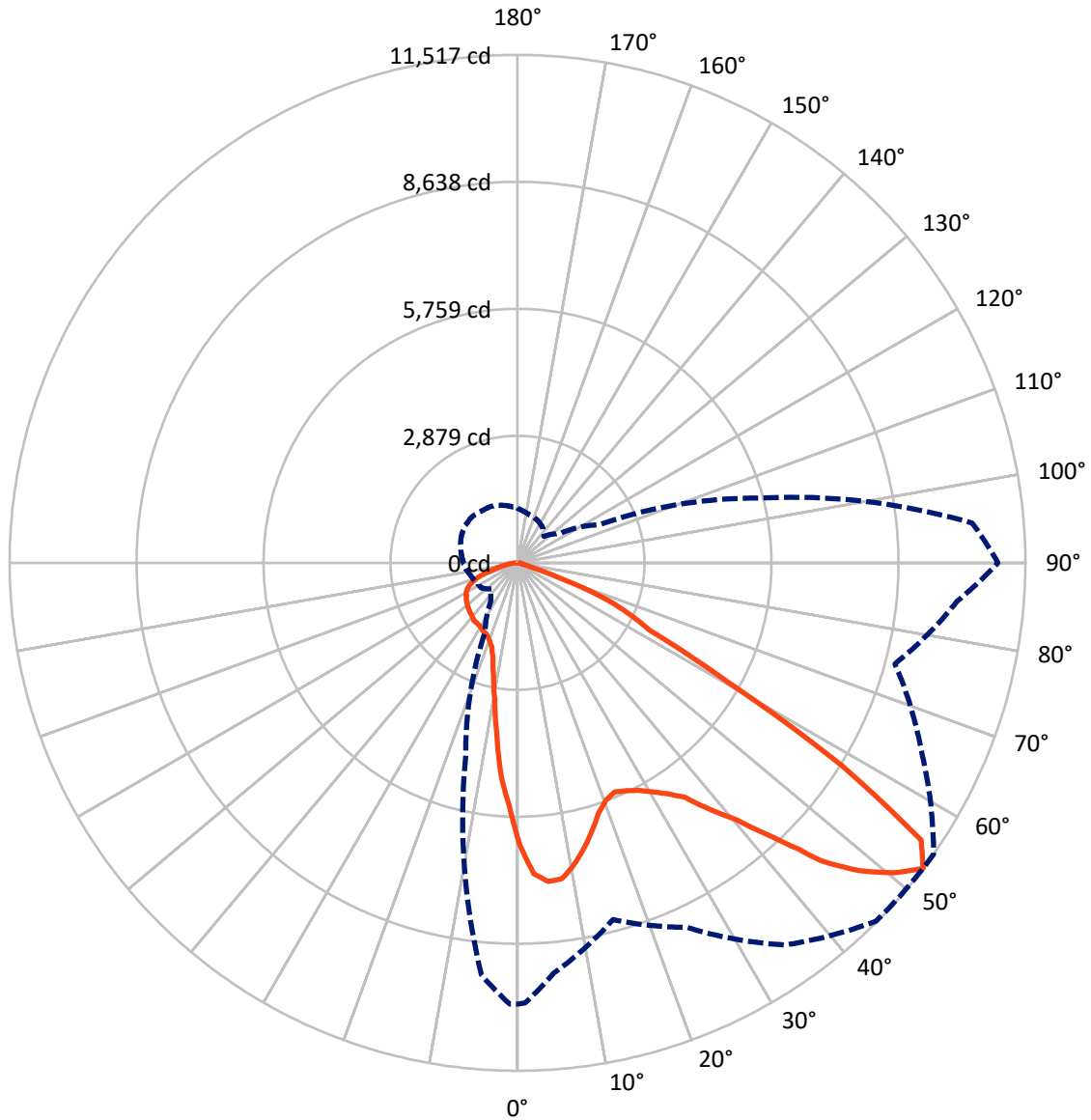
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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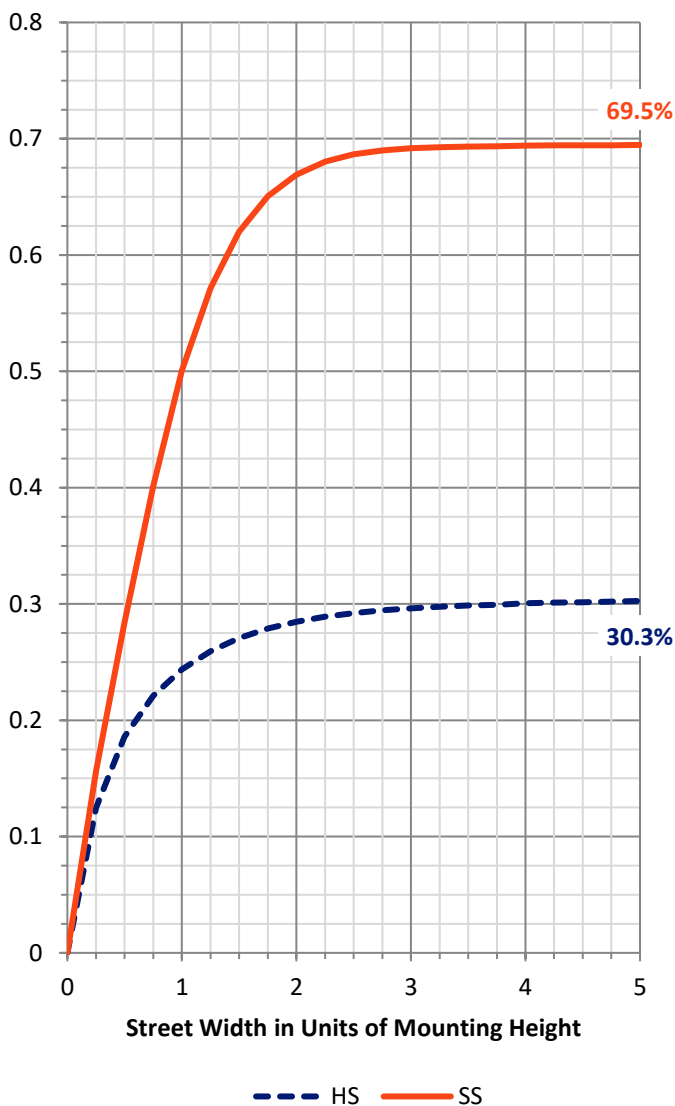
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4375.7	0.0	4375.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	9968.4	0.0	9968.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	14344.1	0.0	14344.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.8	3.4
10°-20°	1054.0	7.3
20°-30°	1598.2	11.1
30°-40°	2309.2	16.1
40°-50°	3085.7	21.5
50°-60°	3444.3	24.0
60°-70°	1889.4	13.2
70°-80°	408.5	2.8
80°-90°	66.1	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°	14344.1	100.0
0°-180°	14344.1	100.0

Coefficient of Utilization

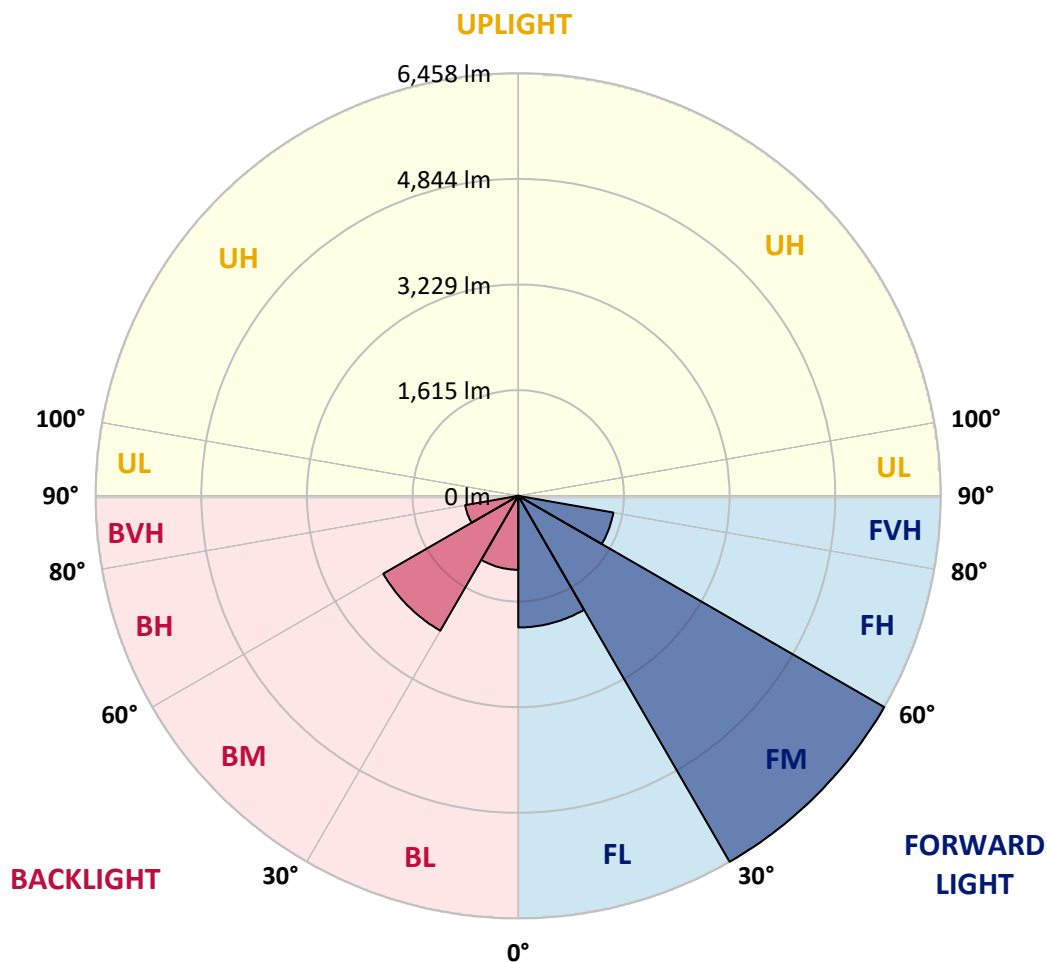


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2011.3	14.0			
FM (30°-60°)	6458.4	45.0			
FH (60°-80°)	1474.2	10.3			G1/1800
FVH (80°-90°)	24.5	0.2			G1/100
BL (0°-30°)	1129.8	7.9	B3/2500		
BM (30°-60°)	2380.8	16.6	B2/2500		
BH (60°-80°)	823.6	5.7	B2/1000		G2/1000
BVH (80°-90°)	41.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6
2.5°	6714.9	6677.1	6710.7	6869.8	6962.0	7024.8	7064.7	7058.3	6907.6	6760.9	6760.9
5°	6518.0	6469.8	6538.9	6899.1	7261.5	7292.9	7345.3	7259.4	7037.4	6769.3	6434.2
7.5°	5948.3	5983.9	6099.1	6572.4	7043.7	7280.4	7343.2	7234.3	6874.0	6373.4	5881.3
10°	5456.1	5539.8	5805.8	6316.9	6750.5	7058.3	7127.5	6974.6	6689.7	6076.1	5636.2
12.5°	5286.4	5234.0	5529.4	6040.4	6455.1	6620.6	6652.0	6662.5	6469.8	5925.3	5389.0
15°	5265.5	5299.0	5529.4	5916.9	6172.4	6180.8	6233.2	6314.8	6340.0	6027.9	5504.3
17.5°	5567.1	5527.3	5764.0	6071.9	5950.3	5828.9	5841.4	5958.7	6166.1	6115.8	5866.6
20°	6013.2	6103.2	6289.7	6258.2	5931.5	5623.6	5625.7	5736.7	6145.2	6480.2	6371.3
22.5°	6754.7	6842.6	6980.8	6601.8	5931.5	5562.9	5491.6	5642.4	6279.2	6913.8	6941.0
25°	7431.2	7592.4	7630.1	7184.0	6229.0	5619.5	5573.4	5722.1	6413.2	7336.9	7594.5
27.5°	8046.9	8105.6	8271.0	7558.9	6394.4	5657.2	5652.9	5843.5	6582.9	7548.4	8178.9
30°	8532.9	8526.6	8620.8	7795.6	6658.3	5868.7	5665.5	6025.8	6804.9	7898.3	8719.2
32.5°	8863.7	8935.0	9133.9	8124.4	6769.3	6069.7	5910.5	6239.4	7075.1	8063.7	9100.5
35°	9446.0	9569.6	9318.3	8306.6	7121.2	6268.7	6082.3	6530.5	7209.1	8243.8	9567.5
37.5°	9994.8	9900.5	9645.0	8405.0	7349.5	6637.3	6463.5	7093.9	7625.9	8635.5	9877.5
40°	10346.7	10344.6	9890.1	8484.7	7510.7	7200.7	7190.3	7665.7	8137.0	8882.6	10225.1
42.5°	10499.5	10646.1	9990.6	8476.3	7850.1	7883.5	8095.1	8520.3	8499.3	8932.8	10216.8
44°	10709.0	10796.9	10164.4	8495.1	8076.2	8344.3	8842.8	9113.0	8815.6	8905.7	10206.3
45°	10700.6	10706.9	9917.2	8520.3	8269.0	8729.7	9175.8	9632.4	9094.2	8847.0	10344.6
47.5°	10455.6	10384.3	9707.8	8333.9	8870.0	9747.6	10160.2	10436.7	9437.6	8721.3	10172.8
50°	9971.7	9890.1	9198.9	8254.2	8995.7	10380.1	10949.8	11050.4	9749.7	8597.8	10003.1
52.5°	10005.2	9982.2	9343.4	8373.7	9121.4	10579.1	11492.3	11517.4	10103.7	8857.5	10005.2
55°	10604.3	10524.7	9758.1	8522.4	9029.2	10346.7	11146.7	11102.7	9984.3	8700.4	10189.6
57.5°	9703.6	9756.0	9184.2	7933.8	7902.4	8411.3	8763.2	8654.3	8331.8	7852.2	9479.5
60°	7829.1	7977.8	8032.2	6635.2	5962.9	5701.1	5596.4	5403.7	5458.2	6451.0	8327.6
62.5°	6714.9	6706.5	7047.8	6015.3	3906.2	3359.5	3309.3	3353.2	3981.5	6350.4	8155.8
65°	5324.1	5466.5	5571.3	5097.9	3091.4	2494.5	2492.4	2771.0	3445.4	5307.4	6584.9
67.5°	3380.5	3566.8	3696.7	3261.1	2067.3	1776.1	1727.9	2063.1	2387.7	3481.0	3964.8
70°	1906.0	1993.9	2052.5	1880.8	1315.3	921.6	867.1	946.7	1443.1	2253.6	2350.0
72.5°	735.1	775.0	854.5	860.8	496.4	297.4	240.9	289.1	607.4	892.2	850.3
75°	113.1	121.4	171.7	205.3	142.4	108.9	115.2	119.4	169.6	230.3	192.7
77.5°	54.5	54.5	52.4	60.7	71.2	77.5	83.8	92.2	100.5	111.0	106.8
80°	35.6	35.6	35.6	41.9	52.4	62.8	71.2	75.4	79.6	88.0	83.8
82.5°	23.0	23.0	23.0	31.5	41.9	52.4	56.5	67.0	75.4	88.0	81.7
85°	12.5	12.5	12.5	20.9	31.5	44.0	41.9	33.5	18.8	2.1	4.2
87.5°	4.2	4.2	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6
2.5°	6584.9	6488.7	6480.2	6283.4	6107.4	6021.6	5952.4	5759.8	5801.6	5690.6	5688.5
5°	6266.6	6069.7	5751.3	5489.5	5227.7	5175.4	4947.1	4748.1	4754.4	4612.0	4637.1
7.5°	5694.8	5558.7	5171.2	4760.7	4413.1	4165.9	3950.2	3820.3	3654.8	3598.3	3569.0
10°	5332.5	5164.9	4729.3	4214.1	3824.4	3692.5	3485.2	3370.0	3200.3	3116.6	3057.9
12.5°	5173.3	4928.3	4383.7	3860.1	3600.4	3464.2	3288.3	3078.8	2877.8	2800.3	2693.5
15°	5190.1	4896.8	4283.2	3717.6	3405.6	3141.7	2984.6	2752.1	2546.9	2410.7	2333.3
17.5°	5443.5	5087.5	4329.2	3608.7	3160.6	2829.6	2521.7	2270.4	2107.0	2004.4	1979.3
20°	6042.5	5558.7	4406.8	3432.8	2915.5	2502.9	2123.8	1862.0	1736.3	1734.2	1736.3
22.5°	6541.0	6061.3	4563.9	3328.1	2670.4	2084.0	1707.0	1623.2	1598.1	1650.5	1656.7
25°	7213.3	6626.9	4834.0	3273.7	2444.2	1776.1	1543.7	1512.2	1510.1	1577.1	1579.2
27.5°	7902.4	7121.2	4995.3	3114.5	2213.8	1616.9	1445.2	1438.9	1472.4	1543.7	1537.3
30°	8371.6	7535.9	5286.4	2923.9	1941.5	1476.6	1405.4	1413.7	1459.8	1514.3	1522.7
32.5°	8918.2	7944.3	5361.8	2819.1	1774.0	1359.3	1309.0	1327.9	1386.6	1472.4	1518.5
35°	9544.4	8233.3	5477.0	2676.7	1711.2	1269.2	1244.1	1265.0	1336.3	1392.8	1443.1
37.5°	10007.3	8744.4	5498.0	2565.7	1642.1	1218.9	1179.2	1248.3	1290.2	1369.7	1394.9
40°	10350.9	9115.1	5552.5	2496.6	1587.6	1154.0	1154.0	1200.1	1256.7	1330.0	1380.2
42.5°	10570.8	9385.3	5592.2	2433.8	1482.9	1135.2	1124.8	1170.8	1246.2	1317.4	1340.5
44°	10704.8	9500.4	5552.5	2375.2	1453.6	1112.1	1112.1	1151.9	1210.6	1294.4	1321.6
45°	10738.3	9645.0	5464.5	2373.0	1417.9	1084.9	1080.8	1156.1	1195.9	1298.6	1315.3
47.5°	10868.2	9823.0	5474.9	2306.0	1332.1	1020.0	1093.3	1126.9	1162.4	1252.5	1309.0
50°	10864.0	9934.1	5451.9	2207.5	1269.2	946.7	1068.2	1105.9	1141.5	1233.7	1256.7
52.5°	10893.3	10348.8	5663.5	2050.4	1156.1	852.4	984.4	1068.2	1112.1	1189.7	1237.9
55°	10878.6	10585.4	5872.9	1933.2	996.9	795.9	913.2	1011.6	1074.5	1156.1	1179.2
57.5°	9936.1	9356.0	5435.1	1713.3	825.2	728.9	812.7	953.0	1032.6	1116.3	1145.7
60°	8118.1	7211.2	4482.1	1260.8	678.6	670.2	756.1	934.1	967.7	1040.9	1091.2
62.5°	7502.4	6325.2	3554.3	963.4	580.2	613.7	697.4	844.0	896.4	986.5	1032.6
65°	5870.8	4201.5	2201.3	651.4	511.1	550.9	630.4	739.3	825.2	909.0	963.4
67.5°	3476.8	2295.5	1089.1	456.6	446.2	488.0	569.7	651.4	749.8	842.0	869.2
70°	1893.4	1128.9	465.0	347.7	379.1	416.8	496.4	553.0	647.1	718.4	764.5
72.5°	607.4	343.5	232.5	257.6	289.1	333.0	381.2	450.3	517.3	559.2	596.9
75°	146.6	144.5	165.4	180.1	209.4	243.0	282.7	318.3	370.7	410.5	444.0
77.5°	102.6	111.0	127.7	148.7	159.2	171.7	196.9	224.1	247.2	276.4	297.4
80°	79.6	85.9	98.5	108.9	119.4	129.9	142.4	152.9	167.5	186.4	196.9
82.5°	75.4	79.6	92.2	98.5	94.3	92.2	100.5	104.7	106.8	113.1	119.4
85°	6.3	0.0	4.2	14.6	35.6	52.4	56.5	56.5	54.5	58.6	58.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	8.4	6.3
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°	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6
2.5°	5663.5	5592.2	5619.5	5652.9	5604.8	5493.7	5523.1	5510.5	5623.6	5615.3	5728.4
5°	4748.1	4637.1	4649.7	4813.0	4760.7	4817.2	4704.1	4689.5	4710.4	4721.0	4739.8
7.5°	3633.9	3619.2	3744.9	3883.1	3948.1	3881.0	3770.0	3744.9	3721.8	3675.8	3780.5
10°	2965.8	2969.9	2961.6	3066.3	3139.6	3124.9	3057.9	3049.6	3005.6	2988.8	3047.4
12.5°	2647.4	2590.9	2563.6	2530.1	2586.7	2624.3	2595.1	2574.1	2576.2	2597.1	2605.5
15°	2339.5	2303.9	2245.3	2207.5	2234.8	2216.0	2205.4	2247.3	2236.9	2232.7	2283.0
17.5°	1993.9	2023.3	2019.1	1977.2	2012.8	1998.1	1996.0	1966.7	1926.9	1897.5	1914.4
20°	1765.6	1820.1	1862.0	1864.1	1882.9	1880.8	1849.4	1759.4	1730.0	1723.7	1727.9
22.5°	1683.9	1713.3	1763.6	1834.7	1834.7	1801.3	1763.6	1658.8	1631.6	1602.3	1589.7
25°	1619.0	1675.6	1740.5	1748.9	1782.4	1751.0	1690.2	1637.8	1581.3	1541.6	1541.6
27.5°	1585.5	1648.4	1696.5	1711.2	1757.3	1732.1	1669.3	1602.3	1535.2	1533.1	1497.6
30°	1570.8	1629.5	1660.9	1696.5	1717.5	1677.6	1658.8	1587.6	1520.6	1503.8	1445.2
32.5°	1526.8	1610.6	1669.3	1660.9	1677.6	1660.9	1633.6	1575.0	1499.7	1461.9	1455.7
35°	1476.6	1560.4	1623.2	1667.2	1677.6	1642.1	1625.3	1545.7	1443.1	1424.2	1359.3
37.5°	1449.4	1499.7	1577.1	1648.4	1663.0	1644.2	1587.6	1505.9	1403.3	1382.4	1325.8
40°	1415.8	1480.7	1541.6	1600.2	1644.2	1598.1	1533.1	1453.6	1407.5	1344.7	1327.9
42.5°	1390.8	1464.0	1514.3	1579.2	1629.5	1568.7	1493.4	1438.9	1373.9	1332.1	1283.9
44°	1382.4	1449.4	1482.9	1562.5	1604.4	1558.3	1495.5	1438.9	1363.5	1325.8	1283.9
45°	1353.0	1445.2	1480.7	1552.0	1587.6	1549.9	1470.3	1413.7	1359.3	1313.2	1269.2
47.5°	1323.7	1386.6	1447.3	1503.8	1528.9	1516.4	1449.4	1380.2	1315.3	1288.1	1246.2
50°	1315.3	1378.1	1434.7	1487.1	1516.4	1491.3	1430.5	1363.5	1288.1	1244.1	1208.5
52.5°	1273.4	1350.9	1413.7	1430.5	1468.2	1453.6	1407.5	1334.2	1262.9	1225.3	1195.9
55°	1212.7	1294.4	1380.2	1401.2	1455.7	1432.6	1363.5	1294.4	1233.7	1177.1	1139.4
57.5°	1189.7	1269.2	1353.0	1380.2	1413.7	1376.0	1359.3	1286.0	1189.7	1160.3	1101.7
60°	1131.0	1231.6	1300.7	1363.5	1365.6	1355.1	1325.8	1242.0	1162.4	1107.9	1066.1
62.5°	1084.9	1179.2	1233.7	1292.3	1327.9	1298.6	1269.2	1191.8	1105.9	1045.1	996.9
65°	1017.9	1103.8	1149.9	1185.5	1225.3	1221.0	1170.8	1114.2	1024.2	976.0	930.0
67.5°	915.3	990.7	1053.5	1087.0	1112.1	1105.9	1068.2	1028.4	936.2	888.0	854.5
70°	791.7	869.2	909.0	927.9	953.0	965.6	936.2	917.4	835.7	772.9	741.4
72.5°	636.7	687.0	745.6	762.4	772.9	781.2	781.2	764.5	680.7	655.6	601.1
75°	469.2	509.0	553.0	553.0	571.8	573.9	578.1	567.6	504.8	471.2	458.7
77.5°	318.3	347.7	383.3	398.0	410.5	408.4	406.3	377.0	343.5	328.8	316.3
80°	207.4	236.7	253.4	272.3	284.8	282.7	286.9	266.0	251.4	226.2	230.3
82.5°	123.5	146.6	163.4	186.4	186.4	192.7	192.7	186.4	171.7	159.2	159.2
85°	58.6	77.5	88.0	102.6	111.0	113.1	100.5	85.9	71.2	64.9	71.2
87.5°	10.5	14.6	20.9	18.8	23.0	20.9	20.9	20.9	20.9	16.7	18.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6	6398.6
2.5°	5686.4	5791.2	5864.5	5986.0	6195.4	6363.0	6534.7	6662.5	6677.1	6714.9
5°	4808.9	4865.4	5051.8	5294.8	5466.5	5749.3	5931.5	6262.4	6386.0	6518.0
7.5°	3755.4	3847.5	4096.8	4260.2	4637.1	4991.1	5357.6	5766.1	5929.4	5948.3
10°	3166.8	3300.8	3470.6	3732.4	3937.6	4331.3	4787.9	5242.5	5424.6	5456.1
12.5°	2781.4	2953.2	3179.4	3367.9	3564.7	3908.3	4346.0	4907.3	5144.0	5286.4
15°	2410.7	2588.8	2838.0	3099.8	3273.7	3684.2	4199.4	4831.9	5139.8	5265.5
17.5°	2029.5	2195.0	2400.2	2683.0	3032.8	3493.6	4176.3	5083.3	5420.5	5567.1
20°	1702.8	1794.9	2033.7	2324.9	2762.6	3298.7	4184.7	5454.0	5948.3	6013.2
22.5°	1575.0	1596.0	1690.2	1958.4	2438.0	3099.8	4333.4	5979.7	6541.0	6754.7
25°	1476.6	1472.4	1497.6	1677.6	2201.3	3022.3	4480.1	6463.5	7198.6	7431.2
27.5°	1422.1	1380.2	1382.4	1552.0	2033.7	2896.7	4668.6	7018.6	7944.3	8046.9
30°	1394.9	1386.6	1361.4	1430.5	1851.5	2708.1	4699.9	7565.2	8384.1	8532.9
32.5°	1378.1	1296.5	1265.0	1290.2	1679.7	2502.9	4817.2	7925.4	8928.6	8863.7
35°	1294.4	1221.0	1200.1	1225.3	1558.3	2387.7	4739.8	8239.6	9337.1	9446.0
37.5°	1262.9	1198.0	1156.1	1135.2	1445.2	2291.3	4699.9	8723.4	9733.0	9994.8
40°	1233.7	1164.5	1114.2	1093.3	1357.2	2163.6	4687.4	9096.3	10189.6	10346.7
42.5°	1200.1	1156.1	1099.6	1061.9	1250.4	2035.8	4542.9	9211.5	10329.9	10499.5
44°	1189.7	1122.7	1063.9	1051.4	1208.5	1970.9	4513.6	9316.2	10451.4	10709.0
45°	1179.2	1116.3	1049.3	1032.6	1193.9	1935.3	4473.8	9341.3	10652.4	10700.6
47.5°	1149.9	1110.0	1045.1	999.0	1162.4	1857.8	4354.4	9198.9	10447.2	10455.6
50°	1126.9	1080.8	1013.7	923.7	1120.5	1792.8	4408.9	9146.5	9952.9	9971.7
52.5°	1101.7	1032.6	994.9	839.9	1051.4	1738.4	4524.1	9383.2	10009.4	10005.2
55°	1072.4	996.9	904.8	768.7	936.2	1669.3	4802.6	9850.2	10533.0	10604.3
57.5°	1026.3	961.3	829.4	705.9	804.2	1537.3	4712.5	8955.9	9691.1	9703.6
60°	965.6	904.8	751.9	657.7	659.8	1212.7	4214.1	6978.7	7646.9	7829.1
62.5°	906.9	873.4	687.0	588.5	561.3	965.6	3562.6	5799.5	6564.0	6714.9
65°	837.8	756.1	630.4	536.2	481.7	676.5	2523.8	4333.4	5120.9	5324.1
67.5°	749.8	661.9	555.1	471.2	412.6	452.4	1302.8	2463.1	3261.1	3380.5
70°	655.6	573.9	467.1	398.0	333.0	312.1	573.9	1175.0	1782.4	1906.0
72.5°	538.2	462.9	372.8	314.2	249.3	215.7	192.7	314.2	632.5	735.1
75°	389.6	337.2	280.6	224.1	175.9	138.3	113.1	94.3	104.7	113.1
77.5°	286.9	245.1	207.4	159.2	123.5	98.5	77.5	58.6	56.5	54.5
80°	224.1	199.0	165.4	127.7	96.4	73.3	54.5	39.8	35.6	35.6
82.5°	175.9	163.4	136.2	104.7	79.6	58.6	39.8	27.2	23.0	23.0
85°	67.0	67.0	98.5	85.9	60.7	41.9	27.2	14.6	12.5	12.5
87.5°	16.7	16.7	16.7	16.7	14.6	12.5	12.5	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)