

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: P648435

Luminaire Tested: **GALN-SA5B-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648435  
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-SA5B-835-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 80 CRI, 3500K, 800mA 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: 16617.6 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

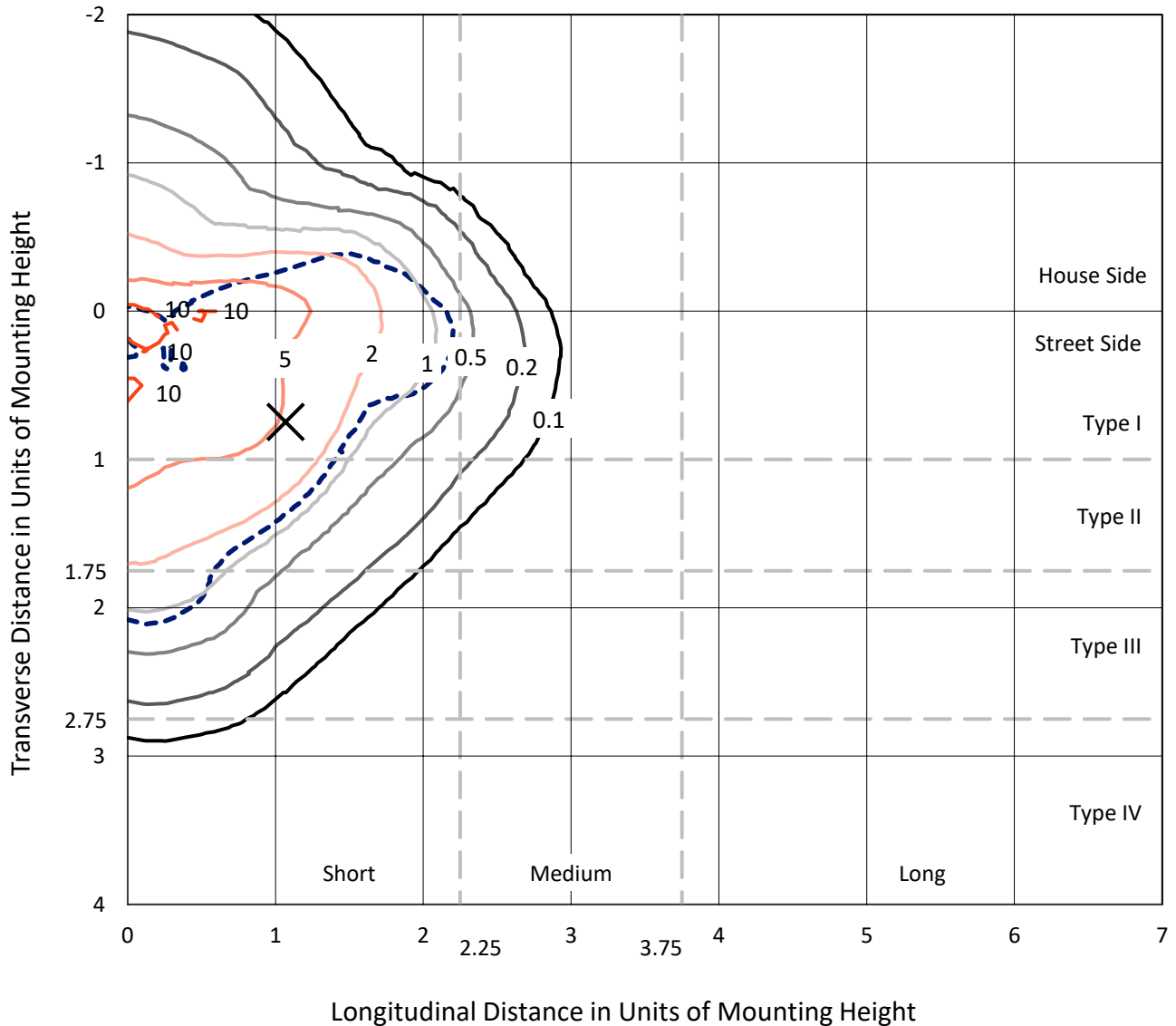
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

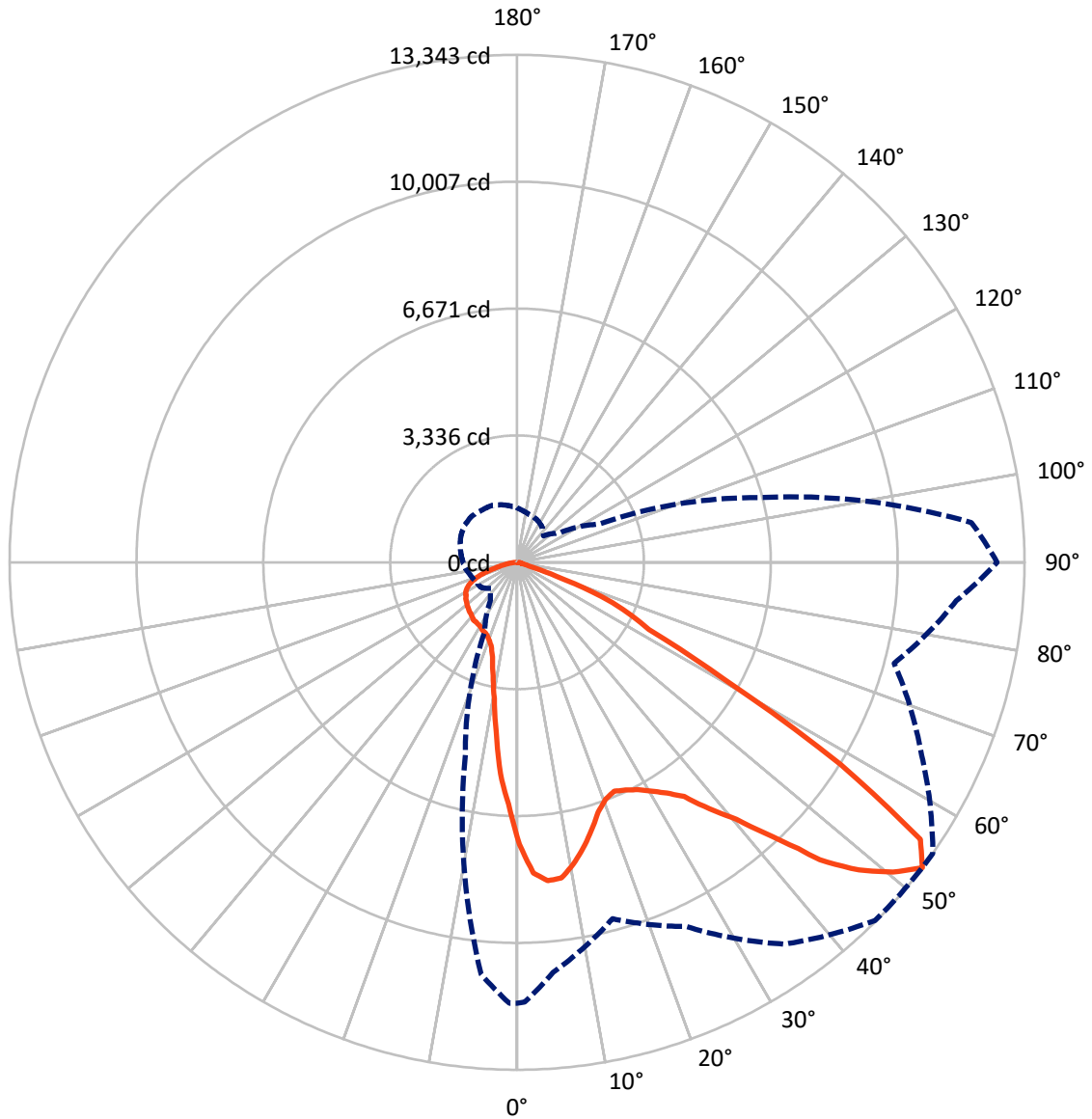
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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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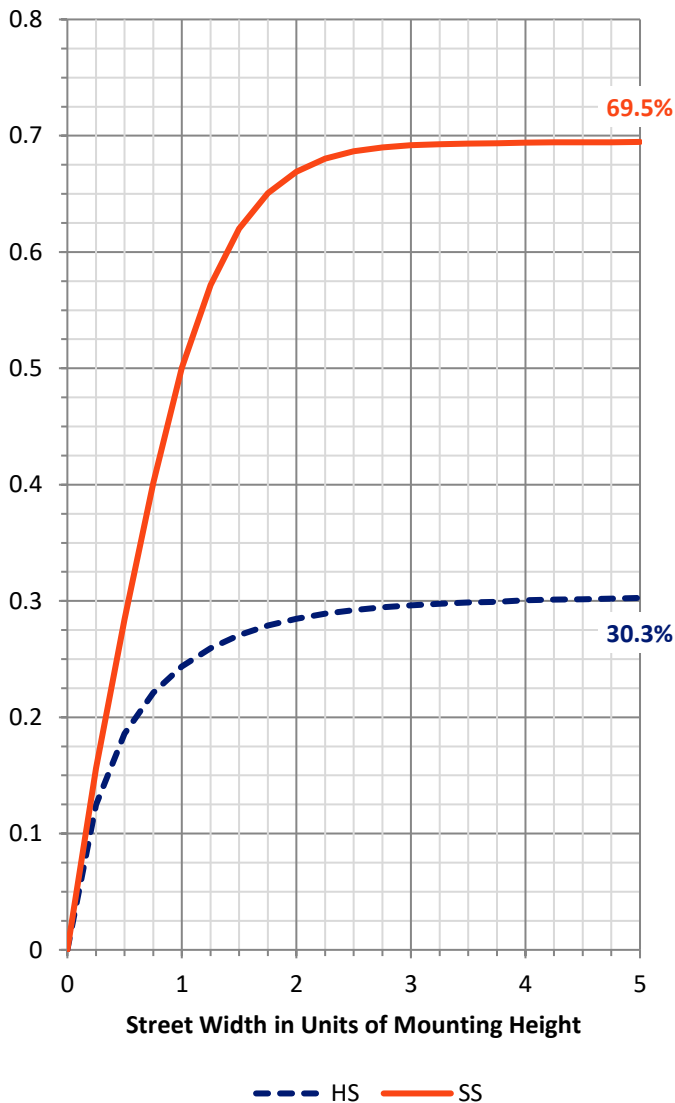
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5069.3	0.0	5069.3
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	11548.3	0.0	11548.3
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	16617.6	0.0	16617.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	566.3	3.4
10°-20°	1221.1	7.3
20°-30°	1851.5	11.1
30°-40°	2675.2	16.1
40°-50°	3574.8	21.5
50°-60°	3990.2	24.0
60°-70°	2188.8	13.2
70°-80°	473.2	2.8
80°-90°	76.6	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°	16617.6	100.0
0°-180°	16617.6	100.0

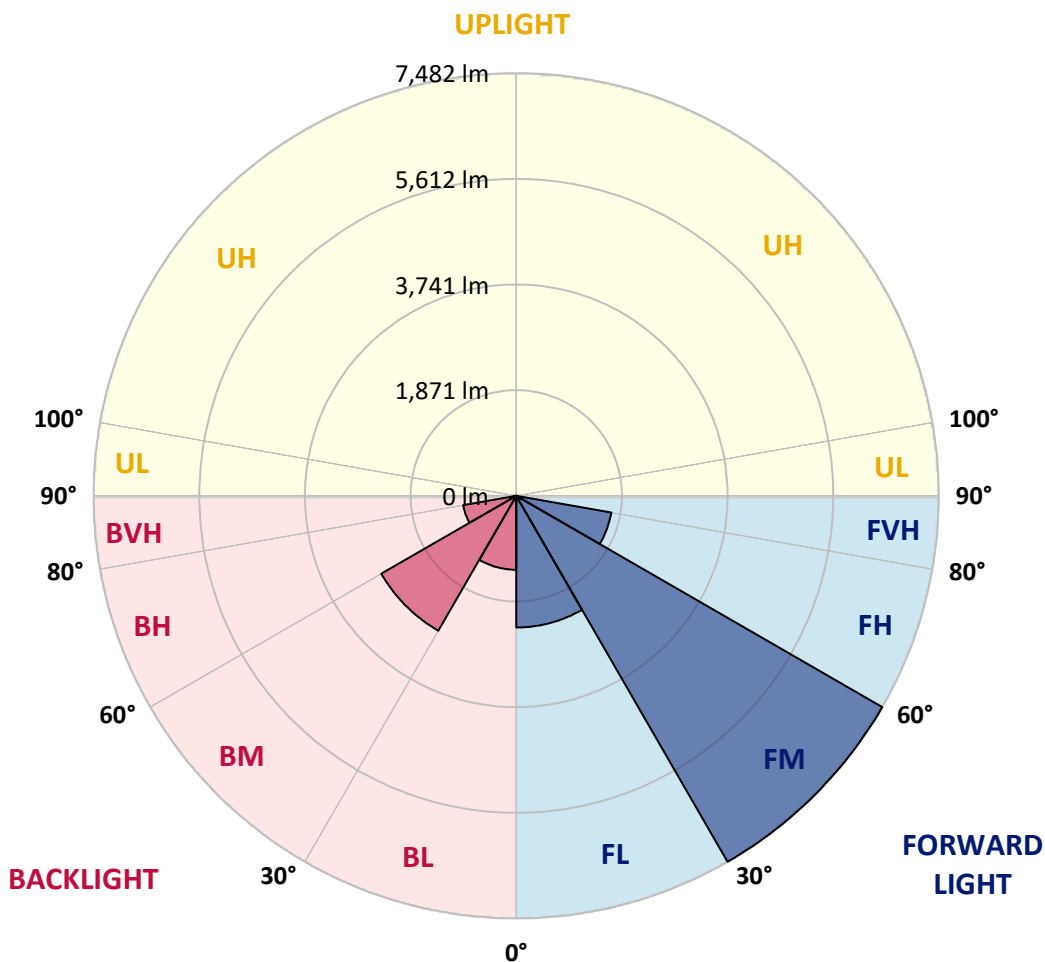


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2330.1	14.0			
FM (30°-60°)	7482.0	45.0			
FH (60°-80°)	1707.9	10.3			G1/1800
FVH (80°-90°)	28.3	0.2			G1/100
BL (0°-30°)	1308.8	7.9	B3/2500		
BM (30°-60°)	2758.1	16.6	B3/5000		
BH (60°-80°)	954.2	5.7	B2/1000		G2/1000
BVH (80°-90°)	48.2	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°	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7
2.5°	7779.1	7735.5	7774.3	7958.6	8065.4	8138.3	8184.3	8177.0	8002.3	7832.5	7832.5
5°	7551.0	7495.3	7575.3	7992.6	8412.4	8448.8	8509.5	8410.0	8152.8	7842.2	7454.0
7.5°	6891.0	6932.3	7065.8	7614.1	8160.1	8434.2	8507.1	8380.9	7963.5	7383.6	6813.4
10°	6320.8	6417.9	6726.0	7318.1	7820.4	8177.0	8257.1	8080.0	7750.0	7039.1	6529.5
12.5°	6124.3	6063.6	6405.8	6997.8	7478.3	7670.0	7706.4	7718.5	7495.3	6864.4	6243.2
15°	6100.0	6138.9	6405.8	6854.7	7150.7	7160.4	7221.1	7315.6	7344.8	6983.3	6376.7
17.5°	6449.4	6403.4	6677.5	7034.2	6893.5	6752.7	6767.3	6903.2	7143.4	7085.1	6796.4
20°	6966.3	7070.6	7286.6	7250.2	6871.6	6515.0	6517.4	6646.0	7119.1	7507.4	7381.2
22.5°	7825.2	7927.2	8087.3	7648.1	6871.6	6444.6	6362.1	6536.8	7274.5	8009.6	8041.2
25°	8609.0	8795.8	8839.4	8322.7	7216.2	6510.1	6456.7	6629.0	7429.7	8499.8	8798.3
27.5°	9322.3	9390.3	9582.0	8757.0	7407.9	6553.8	6548.9	6769.7	7626.3	8744.9	9475.2
30°	9885.3	9878.0	9987.2	9031.2	7713.6	6798.9	6563.5	6980.8	7883.5	9150.1	10101.2
32.5°	10268.7	10351.2	10581.6	9412.1	7842.2	7031.8	6847.4	7228.3	8196.4	9341.7	10542.9
35°	10943.2	11086.3	10795.1	9623.2	8249.8	7262.3	7046.4	7565.6	8351.8	9550.4	11083.9
37.5°	11578.9	11469.7	11173.7	9737.2	8514.3	7689.4	7488.0	8218.3	8834.6	10004.2	11443.1
40°	11986.6	11984.1	11457.6	9829.5	8701.2	8342.1	8329.9	8880.7	9426.7	10290.5	11845.9
42.5°	12163.7	12333.5	11574.1	9819.8	9094.2	9133.1	9378.1	9870.7	9846.5	10348.8	11836.1
44°	12406.3	12508.3	11775.5	9841.6	9356.3	9666.9	10244.4	10557.4	10212.8	10317.2	11824.0
45°	12396.6	12403.9	11489.1	9870.7	9579.5	10113.4	10630.2	11159.2	10535.6	10249.2	11984.1
47.5°	12112.7	12030.2	11246.5	9654.8	10275.9	11292.6	11770.6	12090.9	10933.5	10103.7	11785.2
50°	11552.2	11457.6	10656.9	9562.5	10421.5	12025.4	12685.4	12801.8	11295.0	9960.5	11588.6
52.5°	11591.1	11564.4	10824.3	9700.9	10567.1	12255.9	13313.8	13342.9	11705.1	10261.4	11591.1
55°	12285.0	12192.8	11304.7	9873.2	10460.3	11986.6	12913.5	12862.5	11566.8	10079.4	11804.6
57.5°	11241.6	11302.3	10639.9	9191.3	9154.9	9744.5	10152.1	10026.0	9652.4	9096.7	10982.0
60°	9070.0	9242.3	9305.3	7686.9	6908.0	6604.8	6483.4	6260.2	6323.3	7473.4	9647.5
62.5°	7779.1	7769.4	8165.0	6968.7	4525.3	3892.0	3833.7	3884.7	4612.7	7356.9	9448.5
65°	6168.0	6333.0	6454.3	5905.9	3581.4	2889.9	2887.5	3210.1	3991.5	6148.6	7628.7
67.5°	3916.3	4132.2	4282.6	3778.0	2394.9	2057.6	2001.8	2390.0	2766.1	4032.8	4593.2
70°	2208.1	2309.9	2377.9	2178.9	1523.8	1067.6	1004.5	1096.7	1671.8	2610.8	2722.5
72.5°	851.7	897.8	989.9	997.2	575.0	344.5	279.1	334.8	703.7	1033.6	985.1
75°	131.0	140.7	199.0	237.8	165.0	126.1	133.4	138.3	196.5	266.9	223.2
77.5°	63.1	63.1	60.7	70.4	82.5	89.8	97.1	106.8	116.4	128.6	123.7
80°	41.3	41.3	41.3	48.5	60.7	72.8	82.5	87.4	92.2	101.9	97.1
82.5°	26.7	26.7	26.7	36.4	48.5	60.7	65.5	77.7	87.4	101.9	94.7
85°	14.6	14.6	14.6	24.3	36.4	51.0	48.5	38.8	21.8	2.4	4.9
87.5°	4.9	4.9	4.9	4.9	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°	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7
2.5°	7628.7	7517.1	7507.4	7279.3	7075.5	6976.0	6895.9	6672.6	6721.2	6592.6	6590.2
5°	7259.9	7031.8	6662.9	6359.7	6056.3	5995.7	5731.2	5500.7	5508.0	5343.0	5372.1
7.5°	6597.5	6439.7	5990.9	5515.3	5112.5	4826.2	4576.2	4425.8	4234.2	4168.6	4134.6
10°	6177.7	5983.6	5478.9	4882.0	4430.7	4277.8	4037.5	3904.1	3707.6	3610.5	3542.6
12.5°	5993.3	5709.4	5078.5	4471.9	4171.0	4013.3	3809.5	3566.9	3333.9	3244.1	3120.4
15°	6012.7	5673.0	4962.0	4306.9	3945.4	3639.6	3457.6	3188.3	2950.5	2792.8	2703.1
17.5°	6306.3	5893.8	5015.4	4180.8	3661.5	3278.1	2921.5	2630.3	2441.0	2322.1	2292.9
20°	7000.3	6439.7	5105.2	3976.9	3377.6	2899.6	2460.4	2157.1	2011.5	2009.1	2011.5
22.5°	7577.7	7022.1	5287.2	3855.6	3093.7	2414.3	1977.5	1880.5	1851.4	1912.0	1919.3
25°	8356.6	7677.2	5600.2	3792.5	2831.6	2057.6	1788.3	1751.9	1749.5	1827.1	1829.6
27.5°	9154.9	8249.8	5787.0	3608.1	2564.7	1873.2	1674.2	1666.9	1705.8	1788.3	1781.0
30°	9698.5	8730.3	6124.3	3387.3	2249.3	1710.6	1628.2	1637.8	1691.2	1754.3	1764.0
32.5°	10331.8	9203.5	6211.7	3266.0	2055.2	1574.8	1516.5	1538.4	1606.3	1705.8	1759.2
35°	11057.2	9538.3	6345.1	3101.0	1982.4	1470.4	1441.3	1465.5	1548.1	1613.6	1671.8
37.5°	11593.5	10130.4	6369.4	2972.3	1902.3	1412.2	1366.1	1446.1	1494.7	1586.9	1616.0
40°	11991.4	10559.9	6432.4	2892.3	1839.3	1337.0	1337.0	1390.4	1455.8	1540.8	1599.0
42.5°	12246.2	10872.8	6478.5	2819.5	1717.9	1315.1	1303.0	1356.4	1443.7	1526.2	1552.9
44°	12401.5	11006.3	6432.4	2751.5	1683.9	1288.4	1288.4	1334.5	1402.5	1499.5	1531.1
45°	12440.3	11173.7	6330.6	2749.1	1642.7	1256.9	1252.0	1339.4	1385.5	1504.4	1523.8
47.5°	12590.7	11380.0	6342.7	2671.5	1543.2	1181.7	1266.6	1305.4	1346.7	1451.0	1516.5
50°	12585.9	11508.5	6316.0	2557.4	1470.4	1096.7	1237.5	1281.1	1322.4	1429.1	1455.8
52.5°	12619.8	11989.0	6561.1	2375.5	1339.4	987.5	1140.4	1237.5	1288.4	1378.2	1434.0
55°	12602.9	12263.2	6803.7	2239.6	1155.0	922.1	1057.9	1172.0	1244.7	1339.4	1366.1
57.5°	11511.0	10838.8	6296.6	1984.8	956.0	844.4	941.5	1104.0	1196.3	1293.3	1327.3
60°	9404.8	8354.2	5192.5	1460.7	786.1	776.4	875.9	1082.2	1121.0	1205.9	1264.2
62.5°	8691.5	7327.8	4117.6	1116.2	672.1	711.0	808.0	977.9	1038.5	1142.9	1196.3
65°	6801.3	4867.4	2550.2	754.7	592.0	638.1	730.4	856.5	956.0	1053.1	1116.2
67.5°	4027.9	2659.4	1261.7	529.0	516.9	565.3	660.0	754.7	868.7	975.5	1006.9
70°	2193.5	1307.8	538.7	402.8	439.2	482.9	575.0	640.6	749.8	832.3	885.7
72.5°	703.7	397.9	269.4	298.5	334.8	385.8	441.6	521.7	599.3	647.9	691.5
75°	169.8	167.4	191.7	208.7	242.7	281.5	327.5	368.8	429.5	475.6	514.4
77.5°	118.9	128.6	148.0	172.3	184.4	199.0	228.1	259.6	286.3	320.3	344.5
80°	92.2	99.5	114.0	126.1	138.3	150.4	165.0	177.1	194.1	216.0	228.1
82.5°	87.4	92.2	106.8	114.0	109.2	106.8	116.4	121.3	123.7	131.0	138.3
85°	7.3	0.0	4.9	17.0	41.3	60.7	65.5	65.5	63.1	68.0	68.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.7	7.3
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°	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7
2.5°	6561.1	6478.5	6510.1	6548.9	6493.1	6364.5	6398.5	6384.0	6515.0	6505.2	6636.3
5°	5500.7	5372.1	5386.6	5575.9	5515.3	5580.8	5449.8	5432.8	5457.0	5469.2	5491.0
7.5°	4209.9	4192.9	4338.4	4498.6	4573.8	4496.1	4367.6	4338.4	4311.7	4258.3	4379.7
10°	3435.8	3440.7	3430.9	3552.3	3637.2	3620.2	3542.6	3532.9	3481.9	3462.5	3530.5
12.5°	3067.0	3001.5	2969.9	2931.2	2996.6	3040.3	3006.3	2982.1	2984.5	3008.8	3018.5
15°	2710.4	2669.1	2601.1	2557.4	2589.0	2567.1	2555.0	2603.6	2591.4	2586.6	2644.8
17.5°	2309.9	2343.9	2339.1	2290.5	2331.8	2314.8	2312.4	2278.5	2232.3	2198.4	2217.8
20°	2045.5	2108.5	2157.1	2159.5	2181.4	2178.9	2142.5	2038.2	2004.2	1997.0	2001.8
22.5°	1950.8	1984.8	2043.1	2125.5	2125.5	2086.7	2043.1	1921.7	1890.2	1856.2	1841.7
25°	1875.6	1941.1	2016.4	2026.1	2064.9	2028.5	1958.1	1897.4	1832.0	1785.9	1785.9
27.5°	1836.8	1909.6	1965.4	1982.4	2035.8	2006.7	1933.9	1856.2	1778.6	1776.2	1734.9
30°	1819.8	1887.7	1924.1	1965.4	1989.7	1943.6	1921.7	1839.3	1761.6	1742.2	1674.2
32.5°	1768.9	1865.9	1933.9	1924.1	1943.6	1924.1	1892.6	1824.7	1737.3	1693.6	1686.3
35°	1710.6	1807.7	1880.5	1931.4	1943.6	1902.3	1882.9	1790.7	1671.8	1649.9	1574.8
37.5°	1679.1	1737.3	1827.1	1909.6	1926.6	1904.7	1839.3	1744.6	1625.7	1601.5	1535.9
40°	1640.2	1715.5	1785.9	1853.8	1904.7	1851.4	1776.2	1683.9	1630.6	1557.8	1538.4
42.5°	1611.2	1696.1	1754.3	1829.6	1887.7	1817.4	1730.0	1666.9	1591.8	1543.2	1487.4
44°	1601.5	1679.1	1717.9	1810.1	1858.6	1805.3	1732.5	1666.9	1579.6	1535.9	1487.4
45°	1567.5	1674.2	1715.5	1798.0	1839.3	1795.6	1703.3	1637.8	1574.8	1521.4	1470.4
47.5°	1533.5	1606.3	1676.6	1742.2	1771.3	1756.7	1679.1	1599.0	1523.8	1492.2	1443.7
50°	1523.8	1596.6	1662.1	1722.8	1756.7	1727.6	1657.2	1579.6	1492.2	1441.3	1400.1
52.5°	1475.3	1565.1	1637.8	1657.2	1700.9	1683.9	1630.6	1545.6	1463.1	1419.4	1385.5
55°	1404.9	1499.5	1599.0	1623.3	1686.3	1659.6	1579.6	1499.5	1429.1	1363.7	1320.0
57.5°	1378.2	1470.4	1567.5	1599.0	1637.8	1594.2	1574.8	1489.8	1378.2	1344.3	1276.3
60°	1310.3	1426.7	1506.8	1579.6	1582.1	1569.9	1535.9	1438.8	1346.7	1283.6	1235.0
62.5°	1256.9	1366.1	1429.1	1497.1	1538.4	1504.4	1470.4	1380.7	1281.1	1210.8	1155.0
65°	1179.3	1278.7	1332.1	1373.4	1419.4	1414.6	1356.4	1290.9	1186.6	1130.7	1077.3
67.5°	1060.3	1147.7	1220.5	1259.3	1288.4	1281.1	1237.5	1191.4	1084.6	1028.8	989.9
70°	917.2	1006.9	1053.1	1074.9	1104.0	1118.6	1084.6	1062.8	968.2	895.4	859.0
72.5°	737.7	795.8	863.8	883.2	895.4	905.1	905.1	885.7	788.6	759.5	696.4
75°	543.6	589.6	640.6	640.6	662.4	664.8	669.7	657.6	584.7	545.9	531.4
77.5°	368.8	402.8	444.0	461.0	475.6	473.2	470.7	436.8	397.9	380.9	366.4
80°	240.2	274.2	293.6	315.5	330.0	327.5	332.4	308.2	291.2	262.1	266.9
82.5°	143.1	169.8	189.3	216.0	216.0	223.2	223.2	216.0	199.0	184.4	184.4
85°	68.0	89.8	101.9	118.9	128.6	131.0	116.4	99.5	82.5	75.2	82.5
87.5°	12.1	17.0	24.3	21.8	26.7	24.3	24.3	24.3	24.3	19.4	21.8
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°	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7	7412.7
2.5°	6587.8	6709.1	6794.0	6934.7	7177.4	7371.5	7570.4	7718.5	7735.5	7779.1
5°	5571.0	5636.6	5852.5	6134.0	6333.0	6660.5	6871.6	7255.0	7398.2	7551.0
7.5°	4350.6	4457.4	4746.1	4935.3	5372.1	5782.1	6206.8	6679.9	6869.2	6891.0
10°	3668.7	3824.0	4020.6	4323.9	4561.7	5017.9	5546.9	6073.3	6284.4	6320.8
12.5°	3222.3	3421.2	3683.3	3901.7	4129.8	4527.7	5034.8	5685.1	5959.3	6124.3
15°	2792.8	2999.0	3287.8	3591.2	3792.5	4268.1	4865.0	5597.7	5954.5	6100.0
17.5°	2351.2	2542.9	2780.7	3108.3	3513.5	4047.2	4838.3	5888.9	6279.6	6449.4
20°	1972.7	2079.4	2356.0	2693.4	3200.4	3821.6	4848.0	6318.4	6891.0	6966.3
22.5°	1824.7	1849.0	1958.1	2268.7	2824.4	3591.2	5020.3	6927.4	7577.7	7825.2
25°	1710.6	1705.8	1734.9	1943.6	2550.2	3501.3	5190.1	7488.0	8339.7	8609.0
27.5°	1647.5	1599.0	1601.5	1798.0	2356.0	3355.8	5408.5	8131.0	9203.5	9322.3
30°	1616.0	1606.3	1577.2	1657.2	2145.0	3137.4	5444.9	8764.3	9713.0	9885.3
32.5°	1596.6	1502.0	1465.5	1494.7	1946.0	2899.6	5580.8	9181.6	10343.9	10268.7
35°	1499.5	1414.6	1390.4	1419.4	1805.3	2766.1	5491.0	9545.6	10817.0	10943.2
37.5°	1463.1	1387.9	1339.4	1315.1	1674.2	2654.5	5444.9	10106.1	11275.6	11578.9
40°	1429.1	1349.1	1290.9	1266.6	1572.3	2506.5	5430.3	10538.0	11804.6	11986.6
42.5°	1390.4	1339.4	1273.9	1230.2	1448.6	2358.5	5262.9	10671.4	11967.1	12163.7
44°	1378.2	1300.6	1232.6	1218.0	1400.1	2283.3	5229.0	10792.7	12107.8	12406.3
45°	1366.1	1293.3	1215.6	1196.3	1383.1	2242.0	5182.8	10821.8	12340.8	12396.6
47.5°	1332.1	1286.0	1210.8	1157.4	1346.7	2152.2	5044.6	10656.9	12103.0	12112.7
50°	1305.4	1252.0	1174.4	1070.0	1298.1	2077.0	5107.7	10596.2	11530.4	11552.2
52.5°	1276.3	1196.3	1152.6	973.0	1218.0	2014.0	5241.1	10870.4	11595.9	11591.1
55°	1242.3	1155.0	1048.2	890.5	1084.6	1933.9	5563.8	11411.5	12202.5	12285.0
57.5°	1189.0	1113.7	960.9	817.7	931.8	1781.0	5459.5	10375.4	11227.1	11241.6
60°	1118.6	1048.2	871.1	761.9	764.3	1404.9	4882.0	8084.9	8858.9	9070.0
62.5°	1050.6	1011.8	795.8	681.8	650.3	1118.6	4127.3	6718.8	7604.4	7779.1
65°	970.6	875.9	730.4	621.2	558.0	783.7	2923.9	5020.3	5932.6	6168.0
67.5°	868.7	766.7	643.0	545.9	478.0	524.1	1509.2	2853.5	3778.0	3916.3
70°	759.5	664.8	541.1	461.0	385.8	361.5	664.8	1361.2	2064.9	2208.1
72.5°	623.6	536.3	431.9	363.9	288.8	249.9	223.2	363.9	732.8	851.7
75°	451.3	390.6	325.2	259.6	203.8	160.1	131.0	109.2	121.3	131.0
77.5°	332.4	283.9	240.2	184.4	143.1	114.0	89.8	68.0	65.5	63.1
80°	259.6	230.5	191.7	148.0	111.6	85.0	63.1	46.1	41.3	41.3
82.5°	203.8	189.3	157.7	121.3	92.2	68.0	46.1	31.6	26.7	26.7
85°	77.7	77.7	114.0	99.5	70.4	48.5	31.6	17.0	14.6	14.6
87.5°	19.4	19.4	19.4	19.4	17.0	14.6	14.6	7.3	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)