

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: P652071

Luminaire Tested: **GALN-SA8A-840-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652071  
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-SA8A-840-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 4000K, 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: 26769.9 lumens  
Efficiency: N/A  
Efficacy: 109.7 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

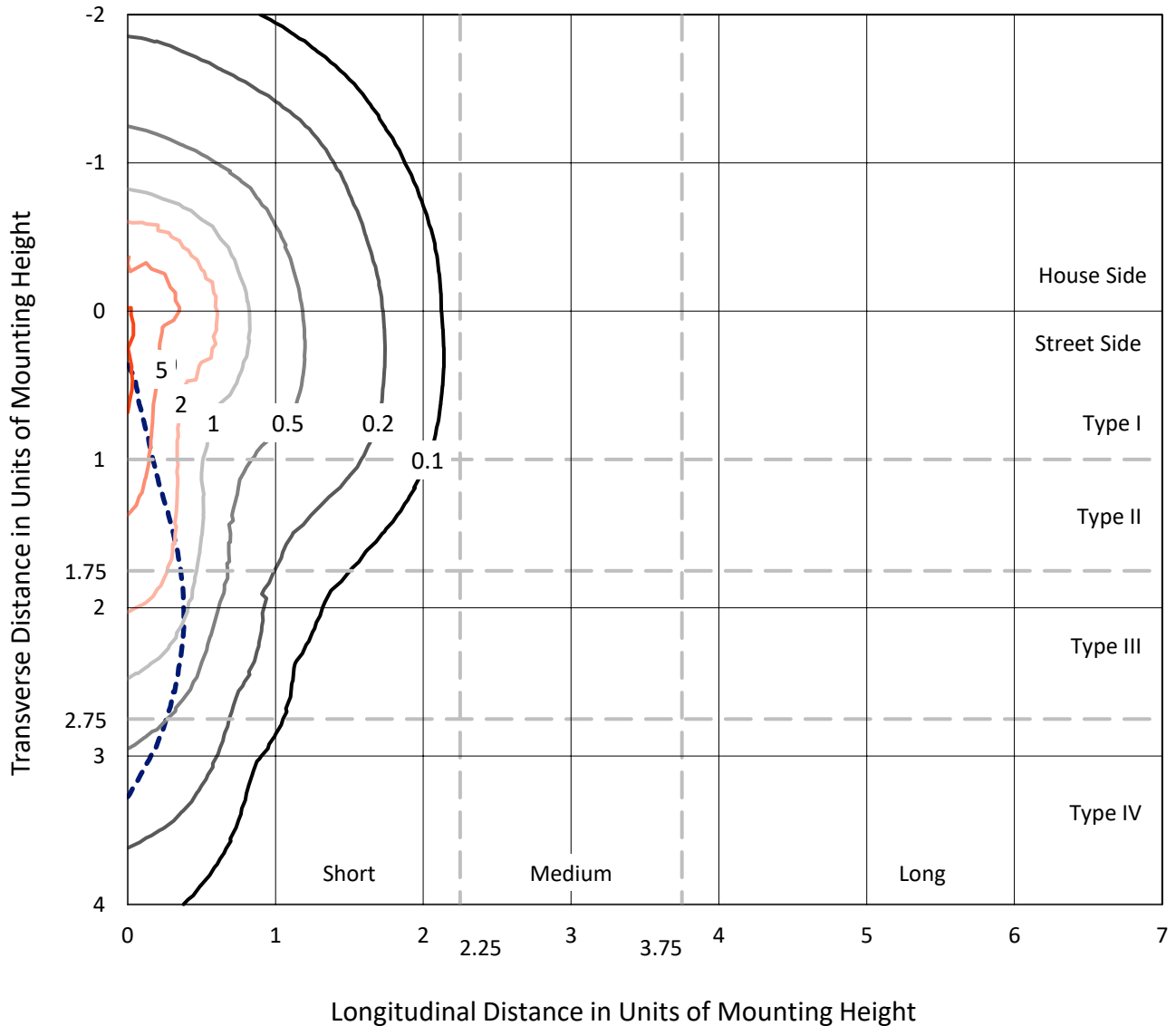
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

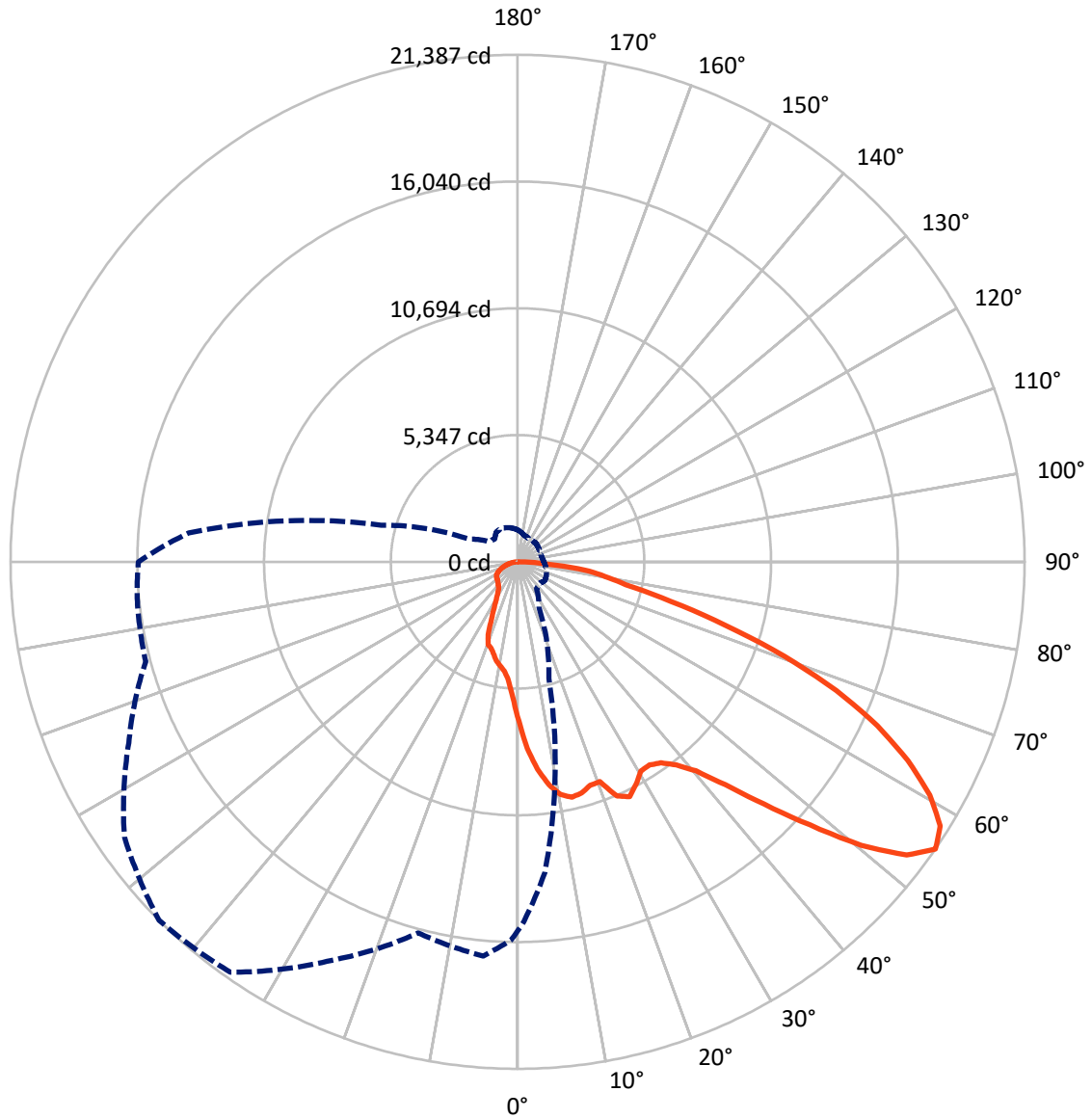
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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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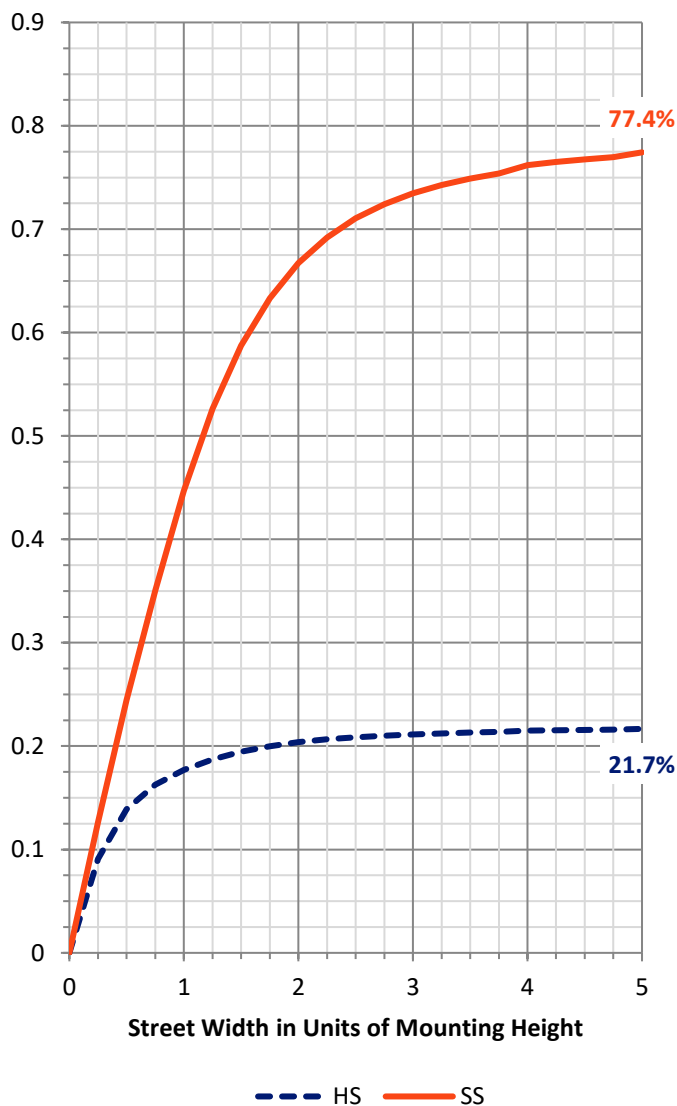
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5855.8	0.0	5855.8
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	20914.1	0.0	20914.1
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	26769.9	0.0	26769.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	569.4	2.1
10°-20°	1510.6	5.6
20°-30°	2609.6	9.7
30°-40°	3032.8	11.3
40°-50°	4231.4	15.8
50°-60°	5741.5	21.4
60°-70°	5462.4	20.4
70°-80°	2950.9	11.0
80°-90°	661.4	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°	26769.9	100.0
0°-180°	26769.9	100.0

**Coefficient of Utilization**

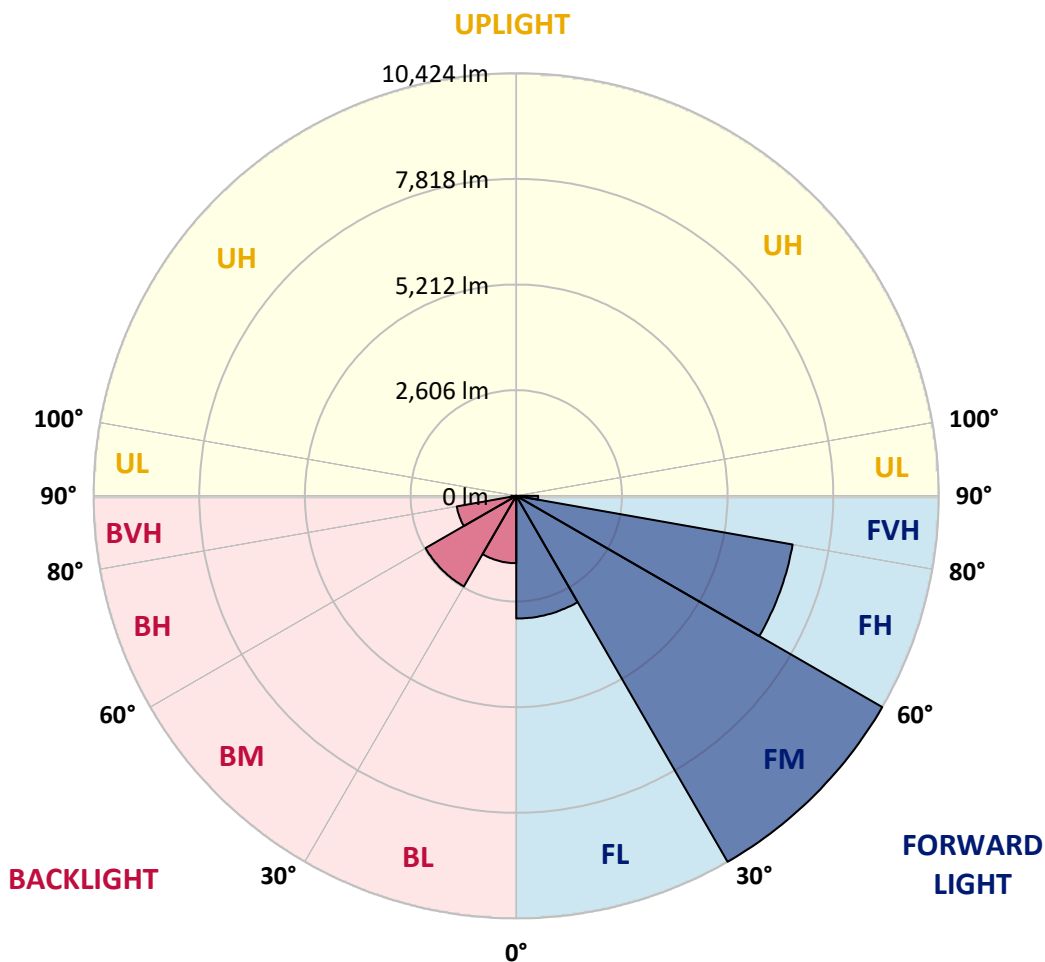


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3027.7	11.3			
FM (30°-60°)	10423.6	38.9			
FH (60°-80°)	6922.2	25.9			G3/7500
FVH (80°-90°)	540.5	2.0			G4/750
BL (0°-30°)	1661.9	6.2	B3/2500		
BM (30°-60°)	2582.0	9.6	B3/5000		
BH (60°-80°)	1491.0	5.6	B3/2500		G3/2500
BVH (80°-90°)	120.9	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°	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2
2.5°	7463.5	7435.2	7355.7	7147.3	6937.2	6723.5	6559.2	6354.3	6140.6	6025.8	5879.3
5°	7565.9	7534.1	7346.9	6877.1	6451.5	6004.7	5647.9	5335.4	5208.2	5021.0	4870.9
7.5°	7325.7	7311.6	7030.8	6356.1	5773.3	5188.8	4784.4	4533.6	4305.8	4221.0	4238.6
10°	7106.7	7050.2	6698.7	5817.4	5137.6	4662.5	4372.9	4127.4	3966.7	3924.3	3933.1
12.5°	6924.8	6848.9	6433.8	5455.4	4860.3	4480.6	4111.5	3855.4	3708.8	3749.4	3887.2
15°	6887.7	6785.3	6322.6	5331.9	4708.4	4219.2	3814.8	3519.8	3410.3	3498.6	3719.4
17.5°	7127.9	6999.0	6513.3	5372.5	4563.6	3952.5	3456.3	3118.9	3027.1	3168.4	3456.3
20°	7899.7	7708.9	7108.5	5607.3	4549.5	3820.1	3247.9	2908.8	2947.6	3216.1	3516.3
22.5°	9326.7	9040.6	8150.5	5949.9	4623.6	3786.5	3205.5	3028.9	3242.6	3470.4	3668.2
25°	9609.3	9385.0	8337.7	6027.6	4607.8	3763.6	3325.6	3413.9	3652.3	3765.3	3696.4
27.5°	9768.2	9512.1	8325.3	5642.6	4120.3	3413.9	3179.0	3325.6	3385.6	3276.1	3088.9
30°	10139.1	9872.4	8535.5	5238.3	3392.7	2532.6	2220.0	2159.9	2200.6	2221.8	2154.6
32.5°	10649.5	10386.4	8931.1	4973.3	2933.5	2094.6	1787.3	1702.5	1683.1	1660.1	1633.6
35°	11310.0	10905.6	9319.6	4803.8	2744.5	1937.4	1654.8	1589.5	1563.0	1531.2	1503.0
37.5°	11981.1	11557.3	9810.6	4625.4	2619.1	1827.9	1566.5	1536.5	1490.6	1457.0	1416.4
40°	12694.6	12219.6	10257.4	4470.0	2497.3	1757.3	1503.0	1499.4	1439.4	1400.5	1352.8
42.5°	13312.8	12823.6	10656.6	4374.6	2403.7	1683.1	1464.1	1474.7	1412.9	1354.6	1292.8
45°	13803.8	13323.4	11025.7	4374.6	2327.7	1608.9	1457.0	1450.0	1388.2	1315.7	1245.1
47.5°	14234.7	13738.4	11386.0	4485.9	2280.0	1547.1	1418.2	1430.5	1367.0	1275.1	1206.2
50°	14568.5	14130.5	11871.6	4659.0	2232.4	1497.7	1368.7	1435.8	1349.3	1253.9	1174.5
52.5°	14994.1	14602.0	12456.2	4895.6	2191.7	1442.9	1324.6	1435.8	1347.5	1255.7	1169.2
55°	15584.0	15170.7	13160.9	5091.7	2126.4	1391.7	1285.7	1395.2	1342.2	1246.9	1155.0
57.5°	15997.2	15688.2	13658.9	5222.4	2032.8	1326.3	1250.4	1356.4	1319.3	1213.3	1112.6
58°	16016.7	15714.7	13731.3	5252.4	2009.8	1314.0	1241.6	1338.7	1308.7	1199.2	1098.5
60°	15794.1	15534.5	13745.5	5210.0	1879.1	1252.2	1195.6	1266.3	1252.2	1116.2	1022.6
62.5°	14985.3	14708.0	13175.0	4865.6	1706.1	1176.2	1125.0	1169.2	1137.4	999.6	913.1
65°	13835.5	13325.1	12002.3	4325.2	1582.4	1095.0	1029.6	1033.2	999.6	900.7	824.8
67.5°	12304.3	11733.9	10162.1	3645.2	1488.8	1004.9	916.6	907.8	867.2	803.6	741.8
70°	10419.9	10029.6	8258.2	2965.3	1384.6	906.0	789.4	784.1	759.4	711.7	657.0
72.5°	8445.4	7949.1	6668.7	2373.6	1257.5	810.6	671.1	681.7	649.9	616.4	566.9
75°	6232.5	5907.5	5155.2	1903.9	1086.2	706.4	559.9	563.4	549.3	513.9	475.1
77.5°	4104.4	4007.3	3687.6	1250.4	835.4	561.6	457.4	461.0	450.4	418.6	377.9
80°	2762.2	2696.8	2499.0	805.3	558.1	406.2	353.2	356.8	355.0	321.4	266.7
82.5°	1702.5	1674.3	1610.7	544.0	386.8	291.4	233.1	243.7	263.1	226.1	181.9
85°	803.6	805.3	973.1	296.7	227.8	187.2	127.2	136.0	136.0	136.0	102.4
87.5°	104.2	109.5	134.2	125.4	83.0	70.6	45.9	38.9	33.6	44.2	31.8
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°	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2
2.5°	5828.0	5792.7	5716.8	5699.1	5688.5	5718.5	5639.1	5660.3	5624.9	5723.8	5708.0
5°	4879.7	4883.3	4945.1	4985.7	4999.8	4985.7	4932.7	4840.9	4770.2	4742.0	4749.0
7.5°	4205.1	4266.9	4372.9	4491.2	4598.9	4630.7	4600.7	4425.8	4235.1	4115.0	4076.2
10°	3980.8	4063.8	4185.7	4279.3	4374.6	4450.6	4466.5	4330.5	4104.4	3820.1	3708.8
12.5°	3993.2	4106.2	4222.7	4252.8	4243.9	4274.0	4259.8	4236.9	4088.5	3726.5	3541.0
15°	3876.6	4010.8	4092.1	4076.2	4047.9	4021.4	3984.3	3926.0	3873.1	3618.7	3413.9
17.5°	3608.1	3745.9	3813.0	3818.3	3818.3	3811.2	3721.2	3700.0	3692.9	3569.3	3443.9
20°	3657.6	3733.5	3703.5	3654.1	3668.2	3715.9	3662.9	3652.3	3692.9	3747.7	3724.7
22.5°	3685.9	3659.4	3433.3	3214.3	3164.9	3313.2	3343.2	3461.6	3625.8	3823.6	3952.5
25°	3511.0	3297.3	2892.9	2645.6	2506.1	2643.9	2824.0	3043.0	3288.5	3542.8	3692.9
27.5°	2935.3	2772.8	2483.1	2260.6	2138.7	2159.9	2313.6	2513.2	2741.0	2912.3	3021.8
30°	2211.2	2138.7	1988.6	1912.7	1838.5	1820.8	1886.2	1962.1	2062.8	2084.0	2112.3
32.5°	1628.3	1617.7	1626.6	1601.9	1587.7	1586.0	1566.5	1584.2	1594.8	1607.2	1582.4
35°	1472.9	1458.8	1434.1	1427.0	1418.2	1421.7	1412.9	1404.0	1411.1	1421.7	1428.8
37.5°	1393.5	1372.3	1336.9	1324.6	1324.6	1329.9	1315.7	1312.2	1324.6	1358.1	1375.8
40°	1331.6	1306.9	1266.3	1250.4	1261.0	1275.1	1255.7	1248.6	1278.7	1314.0	1342.2
42.5°	1273.4	1253.9	1215.1	1197.4	1206.2	1232.7	1204.5	1199.2	1238.0	1276.9	1310.4
45°	1223.9	1204.5	1169.2	1160.3	1163.9	1188.6	1169.2	1169.2	1206.2	1248.6	1278.7
47.5°	1185.1	1160.3	1137.4	1130.3	1133.8	1148.0	1144.4	1144.4	1179.8	1223.9	1253.9
50°	1146.2	1125.0	1095.0	1098.5	1107.3	1126.8	1125.0	1130.3	1165.6	1220.4	1252.2
52.5°	1128.5	1096.7	1063.2	1066.7	1093.2	1116.2	1109.1	1114.4	1155.0	1257.5	1303.4
55°	1109.1	1066.7	1027.9	1033.2	1063.2	1096.7	1087.9	1095.0	1142.7	1282.2	1345.8
57.5°	1072.0	1022.6	980.2	983.7	1027.9	1063.2	1049.1	1057.9	1114.4	1255.7	1322.8
58°	1056.1	1013.7	973.1	974.9	1017.3	1056.1	1040.2	1047.3	1105.6	1248.6	1312.2
60°	989.0	964.3	929.0	930.7	971.4	1004.9	996.1	1003.1	1059.7	1197.4	1245.1
62.5°	897.2	883.0	874.2	874.2	898.9	930.7	939.6	948.4	999.6	1082.6	1125.0
65°	798.3	798.3	800.0	800.0	815.9	856.6	861.9	884.8	932.5	973.1	1004.9
67.5°	731.2	727.6	731.2	722.3	729.4	754.1	780.6	801.8	851.3	879.5	890.1
70°	644.6	642.9	644.6	632.3	641.1	662.3	679.9	715.3	766.5	787.7	793.0
72.5°	559.9	559.9	563.4	554.6	554.6	577.5	589.9	628.7	676.4	688.8	690.5
75°	471.5	476.8	476.8	464.5	468.0	482.1	498.0	529.8	574.0	582.8	582.8
77.5°	374.4	393.8	393.8	381.5	386.8	388.5	409.7	425.6	459.2	462.7	448.6
80°	272.0	291.4	307.3	296.7	305.5	294.9	307.3	317.9	351.5	335.6	312.6
82.5°	194.3	208.4	220.8	222.5	213.7	194.3	210.2	211.9	227.8	206.6	194.3
85°	107.7	120.1	136.0	128.9	114.8	102.4	107.7	111.3	109.5	104.2	97.1
87.5°	28.3	30.0	33.6	24.7	23.0	19.4	26.5	26.5	30.0	31.8	30.0
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°	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2
2.5°	5720.3	5798.0	5965.8	6093.0	6248.4	6437.4	6659.9	6884.2	7126.1	7202.1	7308.0
5°	4733.1	4927.4	5008.7	5240.0	5469.5	5813.9	6181.3	6606.9	7073.1	7297.4	7512.9
7.5°	4044.4	4148.6	4233.3	4402.9	4678.4	5097.0	5557.8	6089.4	6750.0	7076.7	7392.8
10°	3673.5	3684.1	3788.3	3998.5	4238.6	4607.8	5044.0	5639.1	6375.5	6772.9	7143.8
12.5°	3428.0	3382.1	3495.1	3714.1	3986.1	4326.9	4727.8	5294.8	6105.3	6513.3	6961.9
15°	3212.5	3140.1	3224.9	3449.2	3717.6	4118.5	4549.5	5149.9	5999.4	6474.4	6972.5
17.5°	3217.8	3018.3	3048.3	3237.3	3503.9	3911.9	4434.7	5144.6	6160.1	6707.6	7297.4
20°	3615.2	3295.5	3159.6	3194.9	3452.7	3897.8	4487.7	5391.8	6688.1	7486.4	8116.9
22.5°	4005.5	3813.0	3594.0	3521.6	3662.9	4129.1	4825.0	5976.4	7836.1	9038.8	10178.0
25°	3869.5	4033.8	3979.0	3876.6	3908.4	4295.2	5054.6	6456.8	8728.0	10082.6	11152.8
27.5°	3096.0	3394.4	3454.5	3452.7	3465.1	3783.0	4545.9	6133.6	8839.2	10282.2	11304.7
30°	2175.8	2202.3	2234.1	2295.9	2352.4	2636.8	3556.9	5384.8	8789.8	10372.2	11396.6
32.5°	1570.1	1605.4	1649.5	1734.3	1868.5	2230.6	3111.9	5146.4	9051.2	10744.9	11665.0
35°	1435.8	1476.5	1518.8	1616.0	1743.1	2078.7	2935.3	5047.5	9480.3	11348.9	12147.2
37.5°	1393.5	1439.4	1476.5	1547.1	1649.5	1969.2	2774.5	4980.4	9920.1	11988.2	12793.5
40°	1363.4	1416.4	1446.4	1503.0	1573.6	1868.5	2631.5	4927.4	10345.7	12572.8	13312.8
42.5°	1336.9	1391.7	1430.5	1471.2	1529.4	1778.5	2504.3	4874.4	10714.8	13139.7	13830.2
45°	1305.1	1374.0	1423.5	1455.3	1506.5	1702.5	2407.2	4832.0	11135.2	13643.0	14353.0
47.5°	1278.7	1354.6	1416.4	1453.5	1472.9	1649.5	2329.5	4890.3	11640.3	14169.3	14838.7
50°	1280.4	1352.8	1430.5	1488.8	1437.6	1605.4	2281.8	5121.7	12297.3	14794.5	15221.9
52.5°	1336.9	1425.2	1487.1	1501.2	1388.2	1552.4	2257.1	5526.0	13074.4	15347.3	15608.7
55°	1400.5	1492.4	1559.5	1550.6	1361.7	1485.3	2251.8	5957.0	13925.6	15992.0	16112.0
57.5°	1377.6	1511.8	1614.2	1568.3	1363.4	1419.9	2228.8	6304.9	14637.4	16474.0	16610.0
58°	1370.5	1504.7	1621.3	1564.8	1358.1	1400.5	2223.5	6334.9	14736.3	16507.6	16680.6
60°	1301.6	1442.9	1616.0	1538.3	1328.1	1347.5	2165.2	6432.1	14709.8	16334.5	16723.0
62.5°	1176.2	1292.8	1494.1	1409.3	1236.3	1276.9	2034.5	6312.0	13992.7	15501.0	16103.2
65°	1034.9	1121.5	1255.7	1239.8	1105.6	1204.5	1856.2	5836.9	12556.9	14148.1	14782.2
67.5°	929.0	999.6	1084.4	1061.4	994.3	1107.3	1663.7	5033.4	10946.2	12523.3	13321.6
70°	821.2	876.0	918.4	902.5	881.3	1012.0	1492.4	4085.0	9402.6	10979.8	11753.3
72.5°	711.7	763.0	798.3	775.3	763.0	911.3	1352.8	3170.1	7426.4	9058.2	10052.6
75°	595.2	646.4	671.1	644.6	637.6	803.6	1146.2	2368.3	5572.0	6983.1	7841.4
77.5°	461.0	515.7	547.5	538.7	542.2	660.5	925.4	1621.3	3984.3	4759.6	5663.8
80°	323.2	383.2	404.4	395.6	420.3	503.3	653.5	1029.6	2748.1	3088.9	3726.5
82.5°	199.6	256.1	259.6	268.4	286.1	372.6	492.7	627.0	1725.5	1783.8	2246.5
85°	100.7	121.9	130.7	144.8	160.7	227.8	280.8	388.5	1110.9	840.7	1255.7
87.5°	33.6	35.3	42.4	53.0	65.3	93.6	120.1	158.9	275.5	151.9	388.5
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2	6718.2
2.5°	7521.7	7671.9	7781.4	7882.0	7784.9	7776.1	7680.7	7527.0	7463.5	7463.5
5°	7965.0	8316.5	8600.8	8782.7	8705.0	8517.8	8208.7	7814.9	7603.0	7565.9
7.5°	8086.9	8781.0	9309.0	9496.2	9365.5	8952.3	8360.6	7696.6	7392.8	7325.7
10°	8012.7	8915.2	9690.5	9987.2	9805.3	9180.1	8373.0	7558.8	7184.4	7106.7
12.5°	7935.0	8932.8	9761.2	10190.3	10072.0	9363.8	8463.1	7468.8	7036.1	6924.8
15°	7991.5	8939.9	9674.6	10117.9	10193.8	9584.5	8611.4	7534.1	7006.0	6887.7
17.5°	8348.3	9074.1	9551.0	9909.5	10176.2	9884.8	9033.5	7846.7	7274.5	7127.9
20°	9093.6	9395.6	9621.6	9898.9	10328.1	10497.6	9897.1	8705.0	8028.6	7899.7
22.5°	11251.7	11197.0	10734.3	10729.0	11350.6	12030.6	11990.0	10449.9	9432.7	9326.7
25°	12060.6	11806.3	11136.9	10974.5	11248.2	12297.3	12145.4	10806.7	9867.1	9609.3
27.5°	11744.5	11114.0	10674.2	10637.1	10547.1	11537.8	11903.4	10951.5	10019.0	9768.2
30°	11725.1	10797.9	10169.1	10243.3	10329.8	11276.5	12037.7	11405.4	10407.5	10139.1
32.5°	11772.7	10842.0	10206.2	10220.3	10478.2	11315.3	12186.0	11899.9	10917.9	10649.5
35°	11965.2	11092.8	10442.9	10409.3	10812.0	11569.6	12438.6	12677.0	11615.6	11310.0
37.5°	12276.1	11592.6	10875.6	10866.7	11451.3	12028.8	12752.9	13461.1	12309.6	11981.1
40°	12733.5	12177.2	11645.6	11597.9	12320.2	12775.9	13160.9	14296.5	13116.7	12694.6
42.5°	13286.3	12878.3	12661.1	12850.1	13544.1	13614.8	13796.7	15068.3	13803.8	13312.8
45°	13798.5	13779.0	14081.0	14582.6	14987.0	14563.2	14460.7	15585.7	14337.1	13803.8
47.5°	14407.8	14934.1	15845.4	16580.0	17003.8	15667.0	15027.7	15923.1	14725.7	14234.7
50°	15025.9	16316.8	17772.1	18796.4	18886.5	16866.1	15418.0	16240.9	15078.9	14568.5
52.5°	15675.8	17420.6	19358.1	20548.4	20373.6	17909.9	15795.9	16456.4	15442.7	14994.1
55°	16240.9	18097.1	20244.6	21387.3	21131.2	18545.6	16203.8	16689.5	15961.9	15584.0
57.5°	16557.0	18153.6	20023.9	21021.7	20744.4	18422.0	16391.0	16862.6	16293.9	15997.2
58°	16602.9	18077.6	19827.8	20809.8	20527.2	18317.8	16389.2	16855.5	16315.1	16016.7
60°	16562.3	17584.9	19098.4	19972.7	19676.0	17664.4	16322.1	16723.0	16046.7	15794.1
62.5°	16186.1	16730.1	17839.2	18475.0	18390.2	16643.6	16046.7	16223.2	15229.0	14985.3
65°	15691.7	15564.6	16226.8	16677.1	16740.7	15878.9	15773.0	15142.5	14179.9	13835.5
67.5°	15091.2	14243.5	14241.7	14497.8	14603.8	14702.7	15202.5	13968.0	12668.2	12304.3
70°	14072.2	12207.2	11645.6	11947.6	11859.3	12694.6	14183.5	12318.5	10845.5	10419.9
72.5°	12203.7	9687.0	8788.0	9176.6	8954.0	9955.4	12410.3	10137.3	8968.2	8445.4
75°	9891.8	7246.2	6319.0	6675.8	6538.0	7551.8	10326.3	7362.8	6432.1	6232.5
77.5°	7680.7	5250.6	4712.0	4662.5	4764.9	5619.6	7574.7	4971.6	4240.4	4104.4
80°	4934.5	3758.3	3790.1	3726.5	3779.5	3542.8	4598.9	3171.9	2871.7	2762.2
82.5°	3247.9	2619.1	3122.5	2882.3	2737.5	2382.5	3016.5	2076.9	1762.6	1702.5
85°	2212.9	1928.6	1755.5	1342.2	1580.7	1835.0	2262.4	1117.9	886.6	803.6
87.5°	999.6	671.1	492.7	303.8	480.4	554.6	1098.5	130.7	100.7	104.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)