

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: P457774

Luminaire Tested: **GALN-SA9A-827-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P457774  
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-SA9A-827-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 2700K, 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: 26270 lumens  
Efficiency: N/A  
Efficacy: 95.9 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

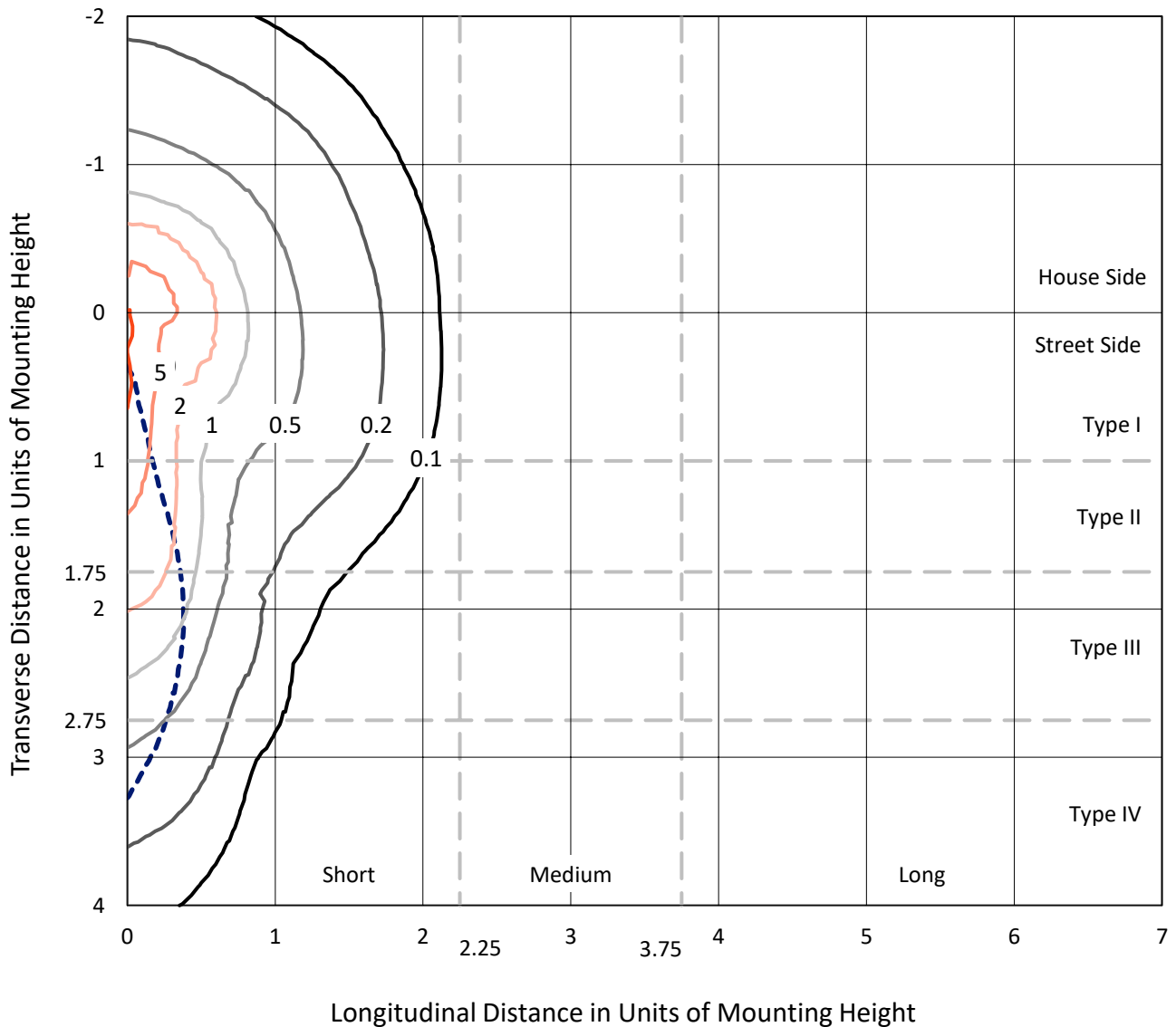
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

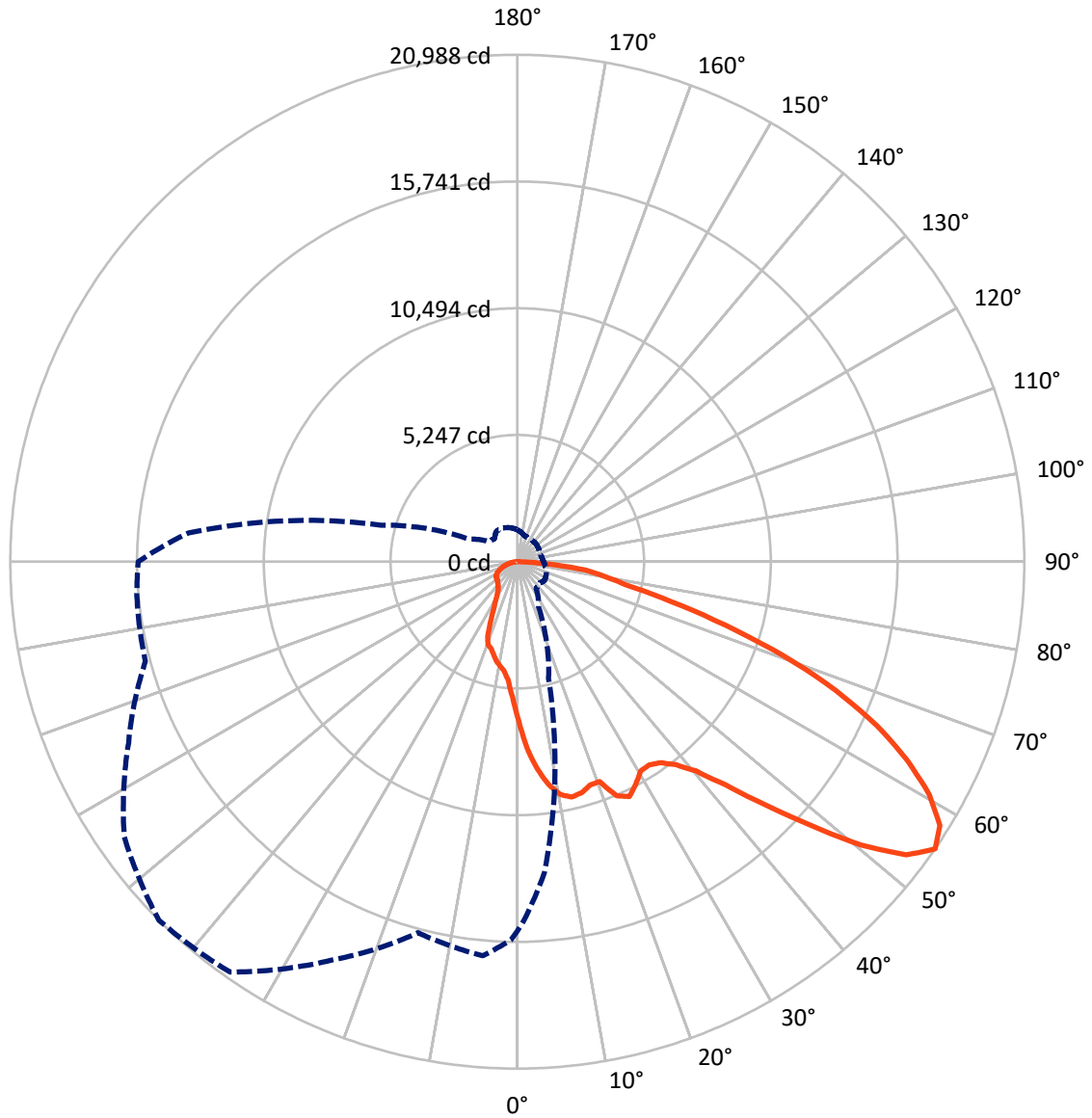
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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	5746.4	0.0	5746.4
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	20523.6	0.0	20523.6
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	26270.0	0.0	26270.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	558.8	2.1
10°-20°	1482.4	5.6
20°-30°	2560.9	9.7
30°-40°	2976.2	11.3
40°-50°	4152.3	15.8
50°-60°	5634.3	21.4
60°-70°	5360.4	20.4
70°-80°	2895.8	11.0
80°-90°	649.0	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°	26270.0	100.0
0°-180°	26270.0	100.0

**Coefficient of Utilization**



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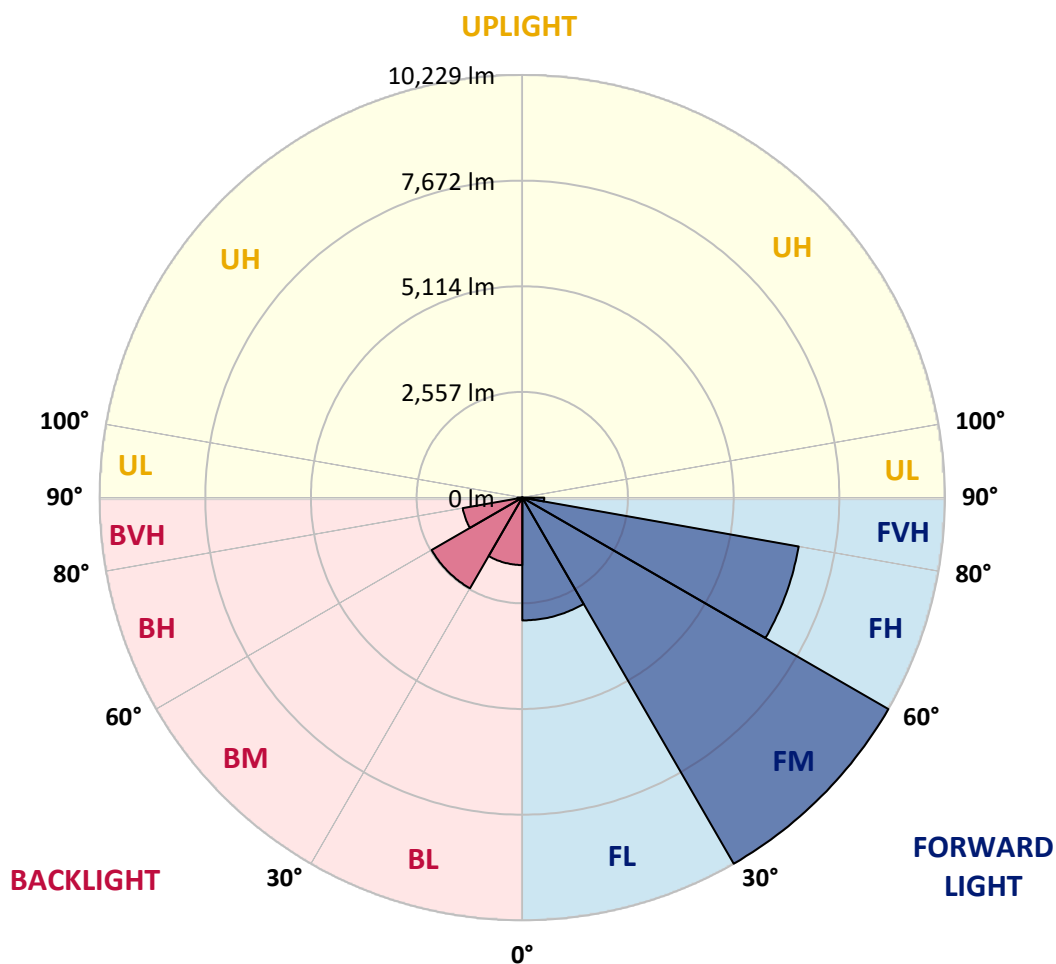
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2971.2	11.3			
FM	(30°-60°)	10229.0	38.9			
FH	(60°-80°)	6793.0	25.9			G3/7500
FVH	(80°-90°)	530.4	2.0			G4/750
BL	(0°-30°)	1630.9	6.2	B3/2500		
BM	(30°-60°)	2533.8	9.6	B3/5000		
BH	(60°-80°)	1463.2	5.6	B3/2500		G3/2500
BVH	(80°-90°)	118.6	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°	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7
2.5°	7324.1	7296.4	7218.4	7013.9	6807.6	6597.9	6436.8	6235.7	6026.0	5913.4	5769.5
5°	7424.6	7393.4	7209.7	6748.7	6331.0	5892.6	5542.5	5235.7	5110.9	4927.2	4779.9
7.5°	7188.9	7175.1	6899.5	6237.5	5665.5	5091.9	4695.0	4448.9	4225.3	4142.1	4159.5
10°	6974.0	6918.6	6573.7	5708.9	5041.6	4575.4	4291.2	4050.3	3892.6	3851.0	3859.6
12.5°	6795.5	6721.0	6313.7	5353.6	4769.5	4396.9	4034.7	3783.4	3639.5	3679.4	3814.6
15°	6759.1	6658.6	6204.5	5232.3	4620.5	4140.4	3743.5	3454.1	3346.6	3433.3	3649.9
17.5°	6994.8	6868.3	6391.7	5272.1	4478.4	3878.7	3391.7	3060.7	2970.5	3109.2	3391.7
20°	7752.2	7565.0	6975.8	5502.6	4464.5	3748.7	3187.2	2854.4	2892.6	3156.0	3450.6
22.5°	9152.5	8871.8	7998.3	5838.8	4537.3	3715.8	3145.6	2972.3	3182.0	3405.6	3599.7
25°	9429.8	9209.7	8182.0	5915.1	4521.7	3693.3	3263.4	3350.1	3584.1	3695.0	3627.4
27.5°	9585.8	9334.5	8169.9	5537.3	4043.3	3350.1	3119.6	3263.4	3322.4	3214.9	3031.2
30°	9949.8	9688.1	8376.1	5140.4	3329.3	2485.3	2178.5	2119.6	2159.5	2180.3	2114.4
32.5°	10450.6	10192.4	8764.3	4880.4	2878.7	2055.5	1753.9	1670.7	1651.7	1629.1	1603.1
35°	11098.8	10701.9	9145.6	4714.1	2693.3	1901.2	1623.9	1559.8	1533.8	1502.6	1474.9
37.5°	11757.4	11341.5	9627.4	4539.0	2570.2	1793.8	1537.3	1507.8	1462.7	1429.8	1390.0
40°	12457.6	11991.4	10065.9	4386.5	2450.6	1724.4	1474.9	1471.4	1412.5	1374.4	1327.6
42.5°	13064.2	12584.1	10457.6	4292.9	2358.8	1651.7	1436.7	1447.1	1386.5	1329.3	1268.6
45°	13546.0	13074.6	10819.8	4292.9	2284.2	1578.9	1429.8	1422.9	1362.2	1291.2	1221.8
47.5°	13968.9	13481.8	11173.3	4402.1	2237.4	1518.2	1391.7	1403.8	1341.4	1251.3	1183.7
50°	14296.4	13866.6	11650.0	4571.9	2190.6	1469.7	1343.2	1409.0	1324.1	1230.5	1152.5
52.5°	14714.1	14329.3	12223.6	4804.2	2150.8	1415.9	1299.8	1409.0	1322.4	1232.2	1147.3
55°	15292.9	14887.4	12915.1	4996.6	2086.7	1365.7	1261.7	1369.2	1317.2	1223.6	1133.5
57.5°	15698.5	15395.2	13403.9	5124.8	1994.8	1301.6	1227.0	1331.0	1294.6	1190.6	1091.9
58°	15717.6	15421.2	13474.9	5154.3	1972.3	1289.4	1218.4	1313.7	1284.2	1176.8	1078.0
60°	15499.2	15244.4	13488.8	5112.7	1844.0	1228.8	1173.3	1242.6	1228.8	1095.3	1003.5
62.5°	14705.4	14433.3	12929.0	4774.7	1674.2	1154.3	1104.0	1147.3	1116.1	980.9	896.0
65°	13577.2	13076.3	11778.2	4244.4	1552.9	1074.5	1010.4	1013.9	980.9	883.9	809.4
67.5°	12074.6	11514.8	9972.3	3577.1	1461.0	986.1	899.5	890.8	851.0	788.6	727.9
70°	10225.3	9842.3	8104.0	2909.9	1358.8	889.1	774.7	769.5	745.2	698.4	644.7
72.5°	8287.7	7800.7	6544.2	2329.3	1234.0	795.5	658.6	669.0	637.8	604.9	556.3
75°	6116.1	5797.2	5058.9	1868.3	1065.9	693.2	549.4	552.9	539.0	504.3	466.2
77.5°	4027.7	3932.4	3618.7	1227.0	819.8	551.1	448.9	452.3	441.9	410.7	370.9
80°	2710.6	2646.5	2452.3	790.3	547.7	398.6	346.6	350.1	348.4	315.4	261.7
82.5°	1670.7	1643.0	1580.6	533.8	379.6	286.0	228.8	239.2	258.2	221.8	178.5
85°	788.6	790.3	954.9	291.2	223.6	183.7	124.8	133.4	133.4	133.4	100.5
87.5°	102.3	107.5	131.7	123.1	81.5	69.3	45.1	38.1	32.9	43.3	31.2
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7
2.5°	5719.3	5684.6	5610.1	5592.7	5582.3	5611.8	5533.8	5554.6	5519.9	5617.0	5601.4
5°	4788.6	4792.0	4852.7	4892.6	4906.4	4892.6	4840.6	4750.4	4681.1	4653.4	4660.3
7.5°	4126.5	4187.2	4291.2	4407.3	4513.0	4544.2	4514.7	4343.2	4156.0	4038.1	4000.0
10°	3906.4	3987.9	4107.5	4199.3	4292.9	4367.4	4383.0	4249.6	4027.7	3748.7	3639.5
12.5°	3918.6	4029.5	4143.9	4173.3	4164.7	4194.1	4180.3	4157.7	4012.1	3656.9	3474.9
15°	3804.2	3935.9	4015.6	4000.0	3972.3	3946.3	3909.9	3852.7	3800.7	3551.1	3350.1
17.5°	3540.7	3675.9	3741.8	3747.0	3747.0	3740.0	3651.7	3630.9	3623.9	3502.6	3379.6
20°	3589.3	3663.8	3634.3	3585.8	3599.7	3646.5	3594.5	3584.1	3623.9	3677.7	3655.1
22.5°	3617.0	3591.0	3369.2	3154.3	3105.7	3251.3	3280.8	3396.9	3558.1	3752.2	3878.7
25°	3445.4	3235.7	2838.8	2596.2	2459.3	2594.5	2771.2	2986.1	3227.0	3476.6	3623.9
27.5°	2880.4	2721.0	2436.8	2218.4	2098.8	2119.6	2270.4	2466.2	2689.8	2857.9	2965.3
30°	2169.9	2098.8	1951.5	1877.0	1804.2	1786.8	1851.0	1925.5	2024.3	2045.1	2072.8
32.5°	1597.9	1587.5	1596.2	1571.9	1558.1	1556.3	1537.3	1554.6	1565.0	1577.1	1552.9
35°	1445.4	1431.5	1407.3	1400.4	1391.7	1395.2	1386.5	1377.8	1384.8	1395.2	1402.1
37.5°	1367.4	1346.6	1312.0	1299.8	1299.8	1305.0	1291.2	1287.7	1299.8	1332.8	1350.1
40°	1306.8	1282.5	1242.6	1227.0	1237.4	1251.3	1232.2	1225.3	1254.8	1289.4	1317.2
42.5°	1249.6	1230.5	1192.4	1175.0	1183.7	1209.7	1182.0	1176.8	1214.9	1253.0	1286.0
45°	1201.0	1182.0	1147.3	1138.7	1142.1	1166.4	1147.3	1147.3	1183.7	1225.3	1254.8
47.5°	1162.9	1138.7	1116.1	1109.2	1112.7	1126.5	1123.1	1123.1	1157.7	1201.0	1230.5
50°	1124.8	1104.0	1074.5	1078.0	1086.7	1105.7	1104.0	1109.2	1143.9	1197.6	1228.8
52.5°	1107.5	1076.3	1043.3	1046.8	1072.8	1095.3	1088.4	1093.6	1133.5	1234.0	1279.0
55°	1088.4	1046.8	1008.7	1013.9	1043.3	1076.3	1067.6	1074.5	1121.3	1258.2	1320.6
57.5°	1052.0	1003.5	961.9	965.3	1008.7	1043.3	1029.5	1038.1	1093.6	1232.2	1298.1
58°	1036.4	994.8	954.9	956.7	998.3	1036.4	1020.8	1027.7	1084.9	1225.3	1287.7
60°	970.5	946.3	911.6	913.3	953.2	986.1	977.5	984.4	1039.9	1175.0	1221.8
62.5°	880.4	866.6	857.9	857.9	882.2	913.3	922.0	930.7	980.9	1062.4	1104.0
65°	783.4	783.4	785.1	785.1	800.7	840.6	845.8	868.3	915.1	954.9	986.1
67.5°	717.5	714.0	717.5	708.8	715.8	740.0	766.0	786.8	835.4	863.1	873.5
70°	632.6	630.9	632.6	620.5	629.1	649.9	667.2	701.9	752.2	773.0	778.2
72.5°	549.4	549.4	552.9	544.2	544.2	566.7	578.9	617.0	663.8	675.9	677.6
75°	462.7	467.9	467.9	455.8	459.3	473.1	488.7	519.9	563.3	571.9	571.9
77.5°	367.4	386.5	386.5	374.4	379.6	381.3	402.1	417.7	450.6	454.1	440.2
80°	266.9	286.0	301.6	291.2	299.8	289.4	301.6	312.0	344.9	329.3	306.8
82.5°	190.6	204.5	216.6	218.4	209.7	190.6	206.2	208.0	223.6	202.8	190.6
85°	105.7	117.9	133.4	126.5	112.7	100.5	105.7	109.2	107.5	102.3	95.3
87.5°	27.7	29.5	32.9	24.3	22.5	19.1	26.0	26.0	29.5	31.2	29.5
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7
2.5°	5613.5	5689.8	5854.4	5979.2	6131.7	6317.2	6535.6	6755.7	6993.1	7067.6	7171.6
5°	4644.7	4835.4	4915.1	5142.1	5367.4	5705.4	6065.9	6483.6	6941.1	7161.2	7372.6
7.5°	3968.8	4071.1	4154.3	4320.6	4591.0	5001.8	5454.1	5975.8	6623.9	6944.6	7254.8
10°	3604.9	3615.3	3717.5	3923.8	4159.5	4521.7	4949.8	5533.8	6256.5	6646.5	7010.4
12.5°	3364.0	3318.9	3429.8	3644.7	3911.6	4246.1	4639.5	5195.9	5991.4	6391.7	6831.9
15°	3152.5	3081.5	3164.7	3384.8	3648.2	4041.6	4464.5	5053.7	5887.4	6353.6	6842.3
17.5°	3157.7	2961.9	2991.3	3176.8	3438.5	3838.8	4351.8	5048.5	6045.1	6582.3	7161.2
20°	3547.7	3234.0	3100.5	3135.2	3388.2	3825.0	4403.8	5291.2	6563.3	7346.6	7965.4
22.5°	3930.7	3741.8	3526.9	3455.8	3594.5	4052.0	4734.9	5864.8	7689.8	8870.0	9987.9
25°	3797.2	3958.4	3904.7	3804.2	3835.4	4214.9	4960.2	6336.2	8565.0	9894.3	10944.6
27.5°	3038.1	3331.0	3390.0	3388.2	3400.4	3712.3	4461.0	6019.1	8674.2	10090.2	11093.6
30°	2135.2	2161.2	2192.4	2253.0	2308.5	2587.5	3490.5	5284.2	8625.7	10178.5	11183.7
32.5°	1540.7	1575.4	1618.7	1701.9	1833.6	2188.9	3053.7	5050.3	8882.2	10544.2	11447.2
35°	1409.0	1448.9	1490.5	1585.8	1710.6	2039.9	2880.4	4953.2	9303.3	11137.0	11920.3
37.5°	1367.4	1412.5	1448.9	1518.2	1618.7	1932.4	2722.7	4887.4	9734.9	11764.3	12554.6
40°	1338.0	1390.0	1419.4	1474.9	1544.2	1833.6	2582.3	4835.4	10152.5	12338.0	13064.2
42.5°	1312.0	1365.7	1403.8	1443.7	1500.9	1745.2	2457.5	4783.4	10514.8	12894.3	13572.0
45°	1280.8	1348.4	1396.9	1428.1	1478.3	1670.7	2362.2	4741.8	10927.2	13388.3	14085.0
47.5°	1254.8	1329.3	1390.0	1426.3	1445.4	1618.7	2286.0	4799.0	11422.9	13904.7	14561.6
50°	1256.5	1327.6	1403.8	1461.0	1410.8	1575.4	2239.2	5026.0	12067.6	14518.2	14937.7
52.5°	1312.0	1398.6	1459.3	1473.1	1362.2	1523.4	2214.9	5422.9	12830.2	15060.7	15317.2
55°	1374.4	1464.5	1530.3	1521.7	1336.2	1457.5	2209.7	5845.8	13665.6	15693.3	15811.1
57.5°	1351.8	1483.5	1584.1	1539.0	1338.0	1393.4	2187.2	6187.2	14364.0	16166.4	16299.9
58°	1344.9	1476.6	1591.0	1535.5	1332.8	1374.4	2182.0	6216.7	14461.1	16199.4	16369.2
60°	1277.3	1415.9	1585.8	1509.5	1303.3	1322.4	2124.8	6312.0	14435.1	16029.5	16410.8
62.5°	1154.3	1268.6	1466.2	1383.0	1213.2	1253.0	1996.5	6194.1	13731.4	15211.5	15802.5
65°	1015.6	1100.5	1232.2	1216.6	1084.9	1182.0	1821.5	5727.9	12322.4	13883.9	14506.1
67.5°	911.6	980.9	1064.1	1041.6	975.7	1086.7	1632.6	4939.4	10741.8	12289.5	13072.8
70°	805.9	859.6	901.2	885.6	864.8	993.1	1464.5	4008.7	9227.1	10774.7	11533.8
72.5°	698.4	748.7	783.4	760.8	748.7	894.3	1327.6	3110.9	7287.7	8889.1	9864.9
75°	584.1	634.3	658.6	632.6	625.7	788.6	1124.8	2324.1	5468.0	6852.7	7695.0
77.5°	452.3	506.1	537.3	528.6	532.1	648.2	908.1	1591.0	3909.9	4670.7	5558.1
80°	317.2	376.1	396.9	388.2	412.5	493.9	641.3	1010.4	2696.7	3031.2	3656.9
82.5°	195.8	251.3	254.8	263.4	280.8	365.7	483.5	615.3	1693.2	1750.4	2204.5
85°	98.8	119.6	128.3	142.1	157.7	223.6	275.6	381.3	1090.1	825.0	1232.2
87.5°	32.9	34.7	41.6	52.0	64.1	91.9	117.9	156.0	270.4	149.0	381.3
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7	6592.7
2.5°	7381.3	7528.6	7636.1	7734.9	7639.5	7630.9	7537.3	7386.5	7324.1	7324.1
5°	7816.3	8161.2	8440.2	8618.7	8542.5	8358.8	8055.5	7669.0	7461.0	7424.6
7.5°	7935.9	8617.0	9135.2	9318.9	9190.7	8785.1	8204.5	7552.9	7254.8	7188.9
10°	7863.1	8748.7	9509.6	9800.7	9622.2	9008.7	8216.7	7417.7	7050.3	6974.0
12.5°	7786.9	8766.1	9578.9	10000.0	9883.9	9188.9	8305.1	7329.3	6904.7	6795.5
15°	7842.3	8773.0	9494.0	9929.0	10003.5	9405.6	8450.6	7393.4	6875.2	6759.1
17.5°	8192.4	8904.7	9372.6	9724.5	9986.2	9700.2	8864.8	7700.2	7138.7	6994.8
20°	8923.8	9220.1	9442.0	9714.1	10135.2	10301.6	9712.3	8542.5	7878.7	7752.2
22.5°	11041.6	10987.9	10533.8	10528.6	11138.7	11805.9	11766.1	10254.8	9256.5	9152.5
25°	11835.4	11585.8	10929.0	10769.5	11038.2	12067.6	11918.6	10604.9	9682.9	9429.8
27.5°	11525.2	10906.5	10474.9	10438.5	10350.1	11322.4	11681.1	10747.0	9831.9	9585.8
30°	11506.1	10596.2	9979.2	10052.0	10137.0	11065.9	11812.9	11192.4	10213.2	9949.8
32.5°	11552.9	10639.6	10015.6	10029.5	10282.5	11104.0	11958.4	11677.7	10714.1	10450.6
35°	11741.8	10885.7	10247.9	10214.9	10610.1	11353.6	12206.3	12440.3	11398.7	11098.8
37.5°	12046.8	11376.1	10672.5	10663.8	11237.5	11804.2	12514.8	13209.8	12079.8	11757.4
40°	12495.7	11949.8	11428.1	11381.3	12090.2	12537.3	12915.1	14029.5	12871.8	12457.6
42.5°	13038.2	12637.8	12424.7	12610.1	13291.2	13360.5	13539.0	14786.9	13546.0	13064.2
45°	13540.8	13521.7	13818.1	14310.3	14707.2	14291.2	14190.7	15294.7	14069.4	13546.0
47.5°	14138.7	14655.2	15549.4	16270.4	16686.4	15374.4	14747.0	15625.7	14450.7	13968.9
50°	14745.3	16012.2	17440.3	18445.5	18533.9	16551.2	15130.0	15937.7	14797.3	14296.4
52.5°	15383.1	17095.4	18996.6	20164.7	19993.1	17575.5	15500.9	16149.1	15154.3	14714.1
55°	15937.7	17759.2	19866.6	20987.9	20736.6	18199.4	15901.3	16377.9	15663.8	15292.9
57.5°	16247.9	17814.6	19650.0	20629.2	20357.1	18078.1	16085.0	16547.7	15989.7	15698.5
58°	16293.0	17740.1	19457.6	20421.2	20143.9	17975.8	16083.2	16540.8	16010.5	15717.6
60°	16253.1	17256.6	18741.8	19599.7	19308.6	17334.5	16017.4	16410.8	15747.0	15499.2
62.5°	15883.9	16417.7	17506.1	18130.0	18046.9	16332.8	15747.0	15920.3	14944.6	14705.4
65°	15398.7	15273.9	15923.8	16365.7	16428.1	15582.4	15478.4	14859.7	13915.1	13577.2
67.5°	14809.4	13977.5	13975.8	14227.1	14331.1	14428.1	14918.6	13707.2	12431.6	12074.6
70°	13809.4	11979.2	11428.1	11724.5	11637.8	12457.6	13918.6	12088.4	10643.0	10225.3
72.5°	11975.8	9506.1	8623.9	9005.2	8786.9	9769.5	12178.6	9948.0	8800.7	8287.7
75°	9707.1	7110.9	6201.1	6551.1	6416.0	7410.8	10133.5	7225.3	6312.0	6116.1
77.5°	7537.3	5152.5	4623.9	4575.4	4675.9	5514.8	7433.3	4878.7	4161.2	4027.7
80°	4842.3	3688.1	3719.3	3656.9	3708.9	3476.6	4513.0	3112.7	2818.0	2710.6
82.5°	3187.2	2570.2	3064.1	2828.4	2686.3	2338.0	2960.1	2038.1	1729.6	1670.7
85°	2171.6	1892.6	1722.7	1317.2	1551.1	1800.7	2220.1	1097.1	870.0	788.6
87.5°	980.9	658.6	483.5	298.1	471.4	544.2	1078.0	128.3	98.8	102.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)