

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: P455278

Luminaire Tested: **GALN-SA6C-722-U-SLL**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455278  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-722-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26417 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 321  
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

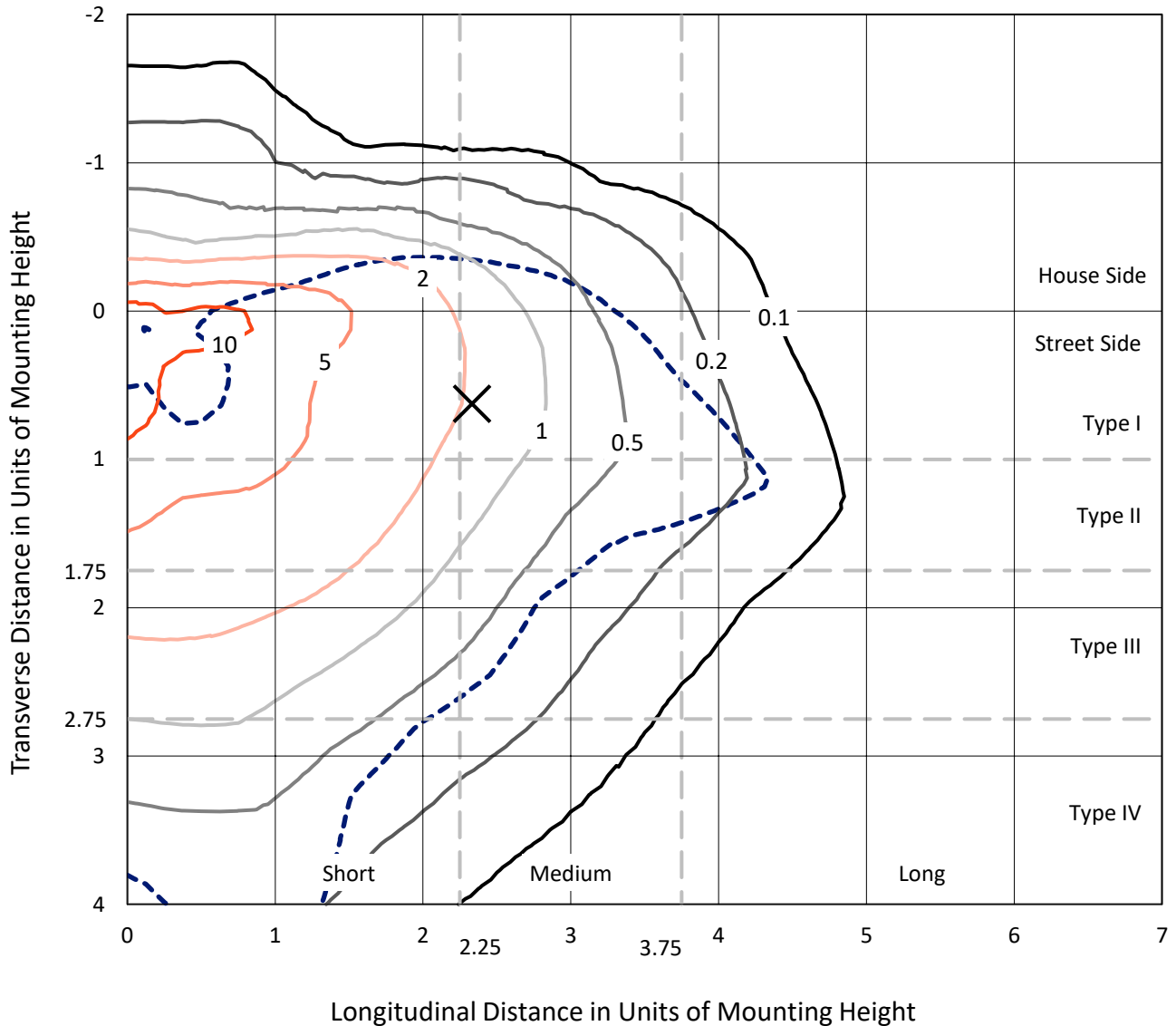




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### Iso-Footcandle Lines of Horizontal Illumination

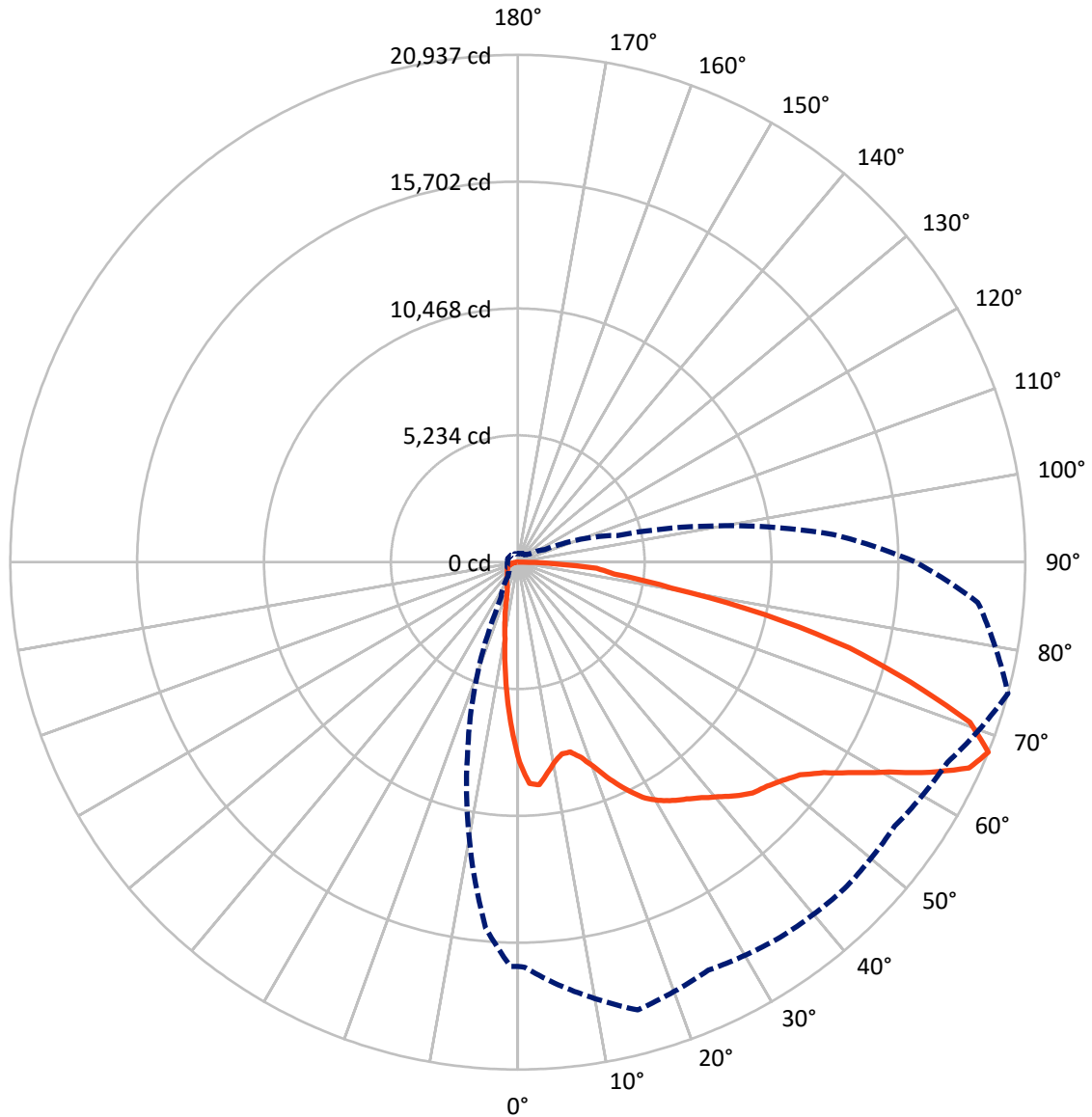
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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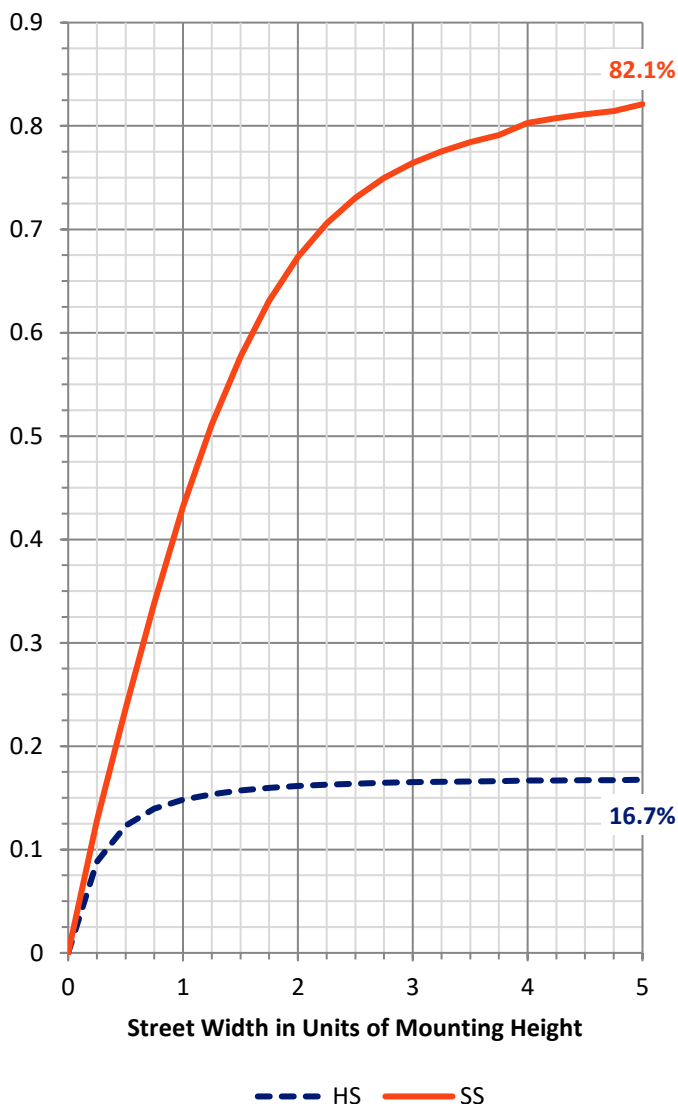
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4465.0	0.0	4465.0
	% Fixture	16.9	0.0	16.9
<b>Street Side</b>	Lumens	21952.0	0.0	21952.0
	% Fixture	83.1	0.0	83.1
<b>Total</b>	Lumens	26417.0	0.0	26417.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	626.0	2.4
10°-20°	1305.5	4.9
20°-30°	1878.7	7.1
30°-40°	2705.8	10.2
40°-50°	3800.9	14.4
50°-60°	5300.9	20.1
60°-70°	6302.5	23.9
70°-80°	3711.8	14.1
80°-90°	784.9	3.0
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°	26417.0	100.0
0°-180°	26417.0	100.0

**Coefficient of Utilization**



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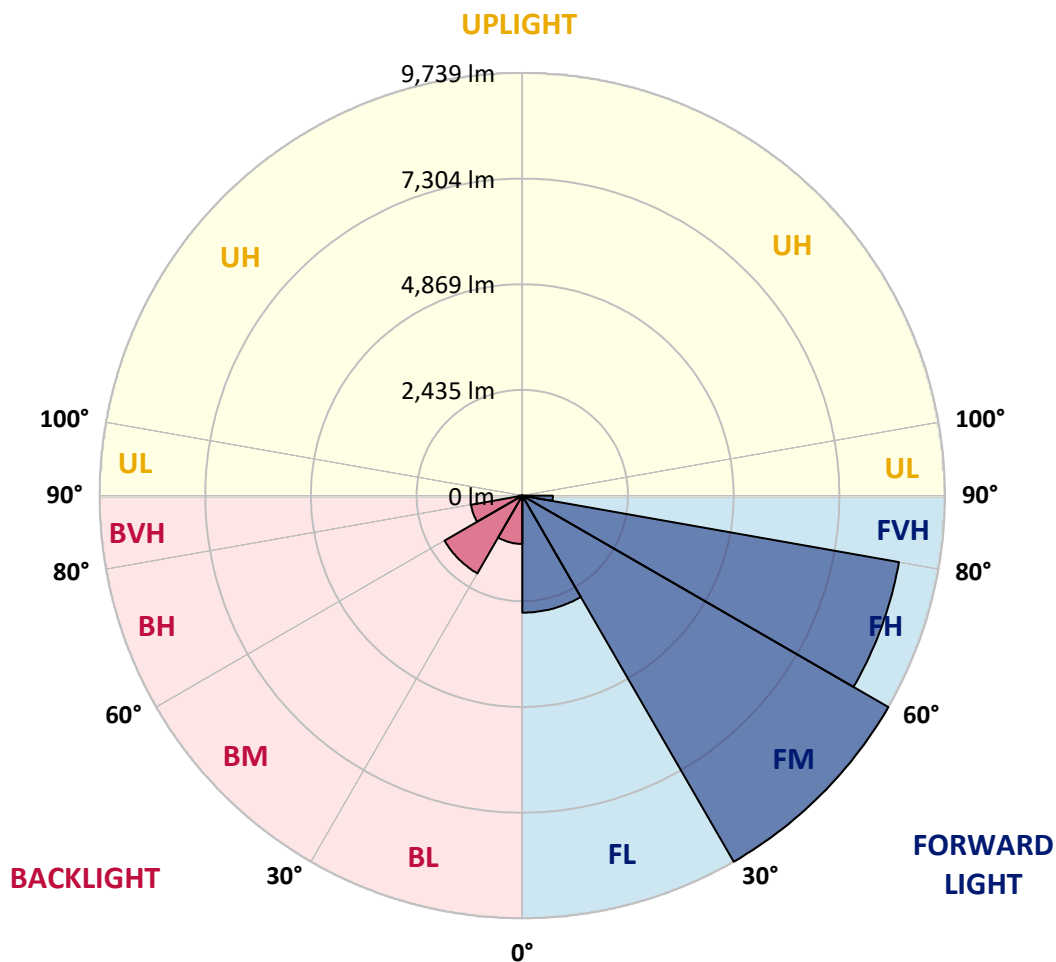
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2696.5	10.2			
FM (30°-60°)	9739.0	36.9			
FH (60°-80°)	8812.8	33.4			G4/12000
FVH (80°-90°)	703.7	2.7			G4/750
BL (0°-30°)	1113.7	4.2	B3/2500		
BM (30°-60°)	2068.7	7.8	B2/2500		
BH (60°-80°)	1201.5	4.5	B3/2500		G3/2500
BVH (80°-90°)	81.2	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-G4**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3
2.5°	8898.7	8910.6	8986.8	9208.7	9361.2	9417.1	9456.1	9383.2	9312.1	9139.3	8878.4
5°	8871.6	8941.1	9139.3	9637.3	10030.3	10199.7	10250.6	10032.0	9671.2	9227.4	8693.7
7.5°	8353.2	8446.4	8751.3	9586.5	10279.4	10675.8	10623.2	10228.5	9578.0	8786.9	8041.5
10°	7738.3	7841.6	8209.3	9218.9	10111.6	10657.1	10657.1	10176.0	9312.1	8371.9	7513.0
12.5°	7250.4	7358.9	7779.0	8841.1	9762.7	10279.4	10365.7	9952.4	9120.6	8109.3	7165.7
15°	7089.5	7194.5	7646.8	8612.4	9393.4	9708.5	9737.3	9601.7	9027.5	8127.9	7150.5
17.5°	7289.4	7424.9	7882.3	8680.2	9054.6	9073.2	9095.2	9202.0	9037.6	8468.4	7458.8
20°	7867.1	8012.7	8490.5	8898.7	8758.1	8565.0	8576.9	8851.3	9157.9	9030.9	8195.7
22.5°	8700.5	8827.6	9317.1	9283.3	8632.8	8234.7	8151.7	8534.5	9335.8	9732.2	8980.0
25°	9600.0	9749.1	10311.5	9854.2	8668.3	8038.2	7985.6	8348.2	9520.4	10387.8	9886.3
27.5°	10630.0	10775.7	11219.5	10430.1	8854.7	8022.9	7960.2	8331.2	9686.4	10994.2	10752.0
30°	11395.7	11529.5	11831.1	10914.6	9083.4	8124.5	8046.6	8465.0	9828.7	11409.3	11595.6
32.5°	11997.1	12136.0	12300.3	11216.1	9384.9	8309.2	8165.2	8709.0	10015.1	11726.0	12220.7
35°	12623.9	12788.2	12776.3	11483.8	9666.1	8522.6	8382.0	9061.3	10308.1	12002.2	13013.5
37.5°	13418.4	13484.4	13399.7	11724.4	10003.2	8907.2	8829.3	9584.8	10724.9	12335.9	13940.1
40°	14224.7	14356.9	13921.5	12015.7	10413.2	9630.5	9622.1	10359.0	11219.5	12727.2	14838.0
42.5°	14915.9	15027.7	14409.4	12269.8	10909.5	10513.1	10577.5	11397.4	11868.3	13181.2	15559.6
45°	15436.0	15535.9	14860.0	12515.5	11563.4	11532.9	11912.4	12510.4	12686.6	13589.5	15983.1
47.5°	15878.1	15974.7	15173.4	12888.2	12371.5	12750.9	13411.6	13670.8	13386.2	13823.3	16457.5
50°	16250.8	16279.6	15388.5	13332.0	13374.3	14243.4	14883.7	15051.4	14077.4	14158.7	16869.1
52.5°	16638.7	16601.5	15759.5	13891.0	14458.5	15659.6	16125.4	16299.9	14739.7	14572.0	17468.8
55°	17507.8	17543.3	16591.3	14595.7	15554.5	17050.4	17663.6	17495.9	15473.2	15332.6	18231.1
57.5°	18558.1	18527.6	17761.9	15698.5	16670.9	18344.6	18802.0	18532.6	16452.4	16377.8	19003.6
60°	18966.3	19007.0	18741.0	16884.4	17772.0	19477.9	19945.5	19527.0	17626.3	17592.5	19586.3
62.5°	18556.4	18785.1	18964.6	17939.7	18710.5	20311.4	20775.5	20297.8	18851.1	19096.8	19994.6
65°	17739.8	17789.0	18400.5	18834.2	19162.8	20448.6	20690.8	20436.7	19874.3	20467.2	19976.0
67.5°	16679.4	16721.7	17438.3	19127.3	18580.1	18890.1	19059.5	18985.0	19557.5	20936.5	19056.1
70°	15669.7	15635.9	16393.1	18380.2	16174.6	15703.6	15844.2	15610.5	16875.9	19789.6	17252.0
72.5°	13704.7	13826.6	14639.8	16303.3	12806.8	12041.1	12347.8	11743.0	12979.6	16948.7	14002.8
75°	10735.0	10763.8	12120.8	13682.7	9661.0	8453.2	8868.2	8615.8	9942.2	14138.3	9669.5
77.5°	7433.4	7369.0	8827.6	10450.4	6889.6	6188.3	6195.1	6074.8	6942.1	10409.8	6569.4
80°	4721.3	4623.0	5525.9	6455.9	4734.8	5065.1	4899.1	4894.0	4519.7	6422.1	3972.5
82.5°	2551.2	2659.6	3491.4	4047.0	3396.5	3914.9	3587.9	3482.9	3101.8	4019.9	2541.0
85°	1162.1	1263.7	1861.7	2752.8	2580.0	2608.8	1743.2	2056.5	2566.4	3264.4	1356.9
87.5°	113.5	145.7	384.5	1299.3	880.9	694.6	259.2	499.7	645.4	1160.4	108.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3
2.5°	8771.7	8683.6	8383.7	8136.4	7873.8	7673.9	7413.1	7238.6	7118.3	6937.0	6915.0
5°	8368.5	8153.3	7631.6	7099.7	6640.6	6295.0	5944.3	5622.5	5432.7	5373.5	5297.2
7.5°	7689.2	7326.7	6655.8	6046.0	5519.1	5004.2	4607.8	4326.5	4138.5	4028.4	3896.3
10°	7130.2	6710.0	5893.5	5146.5	4712.8	4392.6	4043.6	3742.1	3510.0	3311.8	3203.4
12.5°	6754.1	6279.8	5361.6	4755.1	4419.7	4079.2	3671.0	3332.1	2990.0	2764.7	2668.1
15°	6640.6	6139.2	5197.3	4560.3	4079.2	3633.7	3176.3	2734.2	2395.4	2181.9	2110.8
17.5°	6918.4	6311.9	5195.6	4301.1	3679.4	3147.5	2561.4	2146.3	1799.1	1639.8	1589.0
20°	7436.8	6644.0	5210.8	4045.3	3245.8	2497.0	1863.4	1522.9	1356.9	1289.2	1263.7
22.5°	8160.1	7150.5	5256.6	3792.9	2771.4	1917.6	1395.9	1223.1	1163.8	1151.9	1146.9
25°	9051.2	7777.3	5410.7	3565.9	2371.6	1463.6	1167.2	1089.3	1055.4	1043.5	1041.8
27.5°	9871.1	8587.0	5597.1	3371.1	1985.4	1262.0	1055.4	989.3	955.4	953.7	957.1
30°	10611.4	9264.6	5752.9	3152.6	1692.3	1121.4	982.5	916.5	884.3	882.6	892.8
32.5°	11251.7	9822.0	5868.1	2937.4	1529.7	1035.1	916.5	845.3	818.2	813.1	818.2
35°	11936.1	10377.6	5815.6	2769.7	1436.5	963.9	867.3	797.9	765.7	750.5	750.5
37.5°	12717.1	10950.2	5725.8	2630.8	1394.2	904.6	825.0	757.2	725.0	709.8	708.1
40°	13569.2	11522.8	5602.1	2507.2	1351.8	869.0	796.2	725.0	686.1	670.8	667.4
42.5°	14321.3	12012.3	5500.5	2425.8	1282.4	875.8	770.8	701.3	652.2	631.9	630.2
45°	14975.2	12505.3	5481.9	2378.4	1224.8	865.6	764.0	682.7	625.1	603.1	599.7
47.5°	15486.8	13018.6	5588.6	2351.3	1162.1	811.4	808.1	670.8	601.4	577.7	574.3
50°	16110.2	13747.0	5832.5	2295.4	1104.5	760.6	853.8	669.1	582.7	552.3	543.8
52.5°	16940.3	14695.7	6162.9	2195.5	1021.5	713.2	814.8	669.1	560.7	530.2	520.1
55°	18195.5	15905.2	6486.4	2054.9	904.6	650.5	735.2	648.8	528.5	501.4	494.7
57.5°	19027.3	16789.5	6693.1	1860.0	758.9	604.8	633.6	616.6	496.3	467.6	467.6
60°	19069.7	17026.7	6594.8	1614.4	667.4	562.4	550.6	621.7	467.6	437.1	433.7
62.5°	18581.8	16445.6	6083.2	1394.2	618.3	516.7	498.0	545.5	438.8	408.3	403.2
65°	17819.5	14963.3	5195.6	1289.2	591.2	476.0	448.9	447.2	408.3	379.5	372.7
67.5°	16418.5	13076.2	4268.9	1228.2	577.7	430.3	404.9	396.4	372.7	349.0	345.6
70°	14353.5	10951.9	3423.6	1202.8	570.9	382.8	362.5	352.4	332.0	313.4	311.7
72.5°	11167.0	8883.5	2825.6	1185.8	567.5	338.8	316.8	303.2	291.4	274.4	274.4
75°	8021.2	6535.6	2156.5	1068.9	525.1	291.4	267.7	259.2	242.2	228.7	232.1
77.5°	5056.7	4401.1	1419.6	786.0	406.6	233.8	213.4	208.4	194.8	176.2	188.0
80°	3415.2	3095.0	828.4	494.7	255.8	171.1	164.3	162.6	147.4	127.1	128.7
82.5°	2324.2	2280.2	430.3	281.2	147.4	99.9	96.6	99.9	83.0	67.8	67.8
85°	908.0	1240.0	203.3	110.1	47.4	15.2	22.0	23.7	13.6	6.8	8.5
87.5°	16.9	127.1	5.1	0.0	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3
2.5°	6881.1	6865.9	6891.3	6782.9	6804.9	6845.6	6865.9	6877.7	7045.5	7006.5	7113.2
5°	5368.4	5353.1	5451.4	5464.9	5515.7	5505.6	5554.7	5566.6	5627.6	5649.6	5798.7
7.5°	3904.7	3970.8	4082.6	4140.2	4226.6	4253.7	4228.3	4291.0	4163.9	4255.4	4282.5
10°	3137.3	3057.7	3010.3	3142.4	3159.4	3284.7	3233.9	3193.2	3267.8	3271.2	3342.3
12.5°	2612.2	2441.1	2327.6	2364.9	2405.5	2459.7	2468.2	2549.5	2603.7	2654.5	2696.9
15°	2048.1	1988.8	1885.5	1834.6	1892.2	1914.2	1966.8	2034.5	2092.1	2107.4	2165.0
17.5°	1572.1	1582.2	1565.3	1534.8	1570.4	1587.3	1590.7	1592.4	1607.6	1597.5	1682.2
20°	1265.4	1301.0	1343.4	1350.1	1362.0	1370.5	1355.2	1297.6	1299.3	1334.9	1362.0
22.5°	1145.2	1151.9	1199.4	1214.6	1251.9	1236.6	1192.6	1165.5	1162.1	1170.6	1184.1
25°	1050.3	1060.5	1094.3	1118.1	1146.9	1119.8	1087.6	1062.2	1058.8	1067.2	1080.8
27.5°	965.6	980.8	1011.3	1035.1	1062.2	1036.7	1006.3	984.2	982.5	980.8	989.3
30°	897.8	914.8	936.8	963.9	982.5	960.5	931.7	919.9	918.2	914.8	918.2
32.5°	830.1	857.2	879.2	892.8	911.4	894.4	872.4	865.6	853.8	843.6	838.5
35°	753.8	782.6	816.5	833.5	852.1	835.2	819.9	791.1	770.8	769.1	772.5
37.5°	709.8	721.7	748.8	777.6	796.2	787.7	758.9	730.1	725.0	725.0	728.4
40°	670.8	675.9	687.8	725.0	758.9	733.5	697.9	689.5	689.5	687.8	689.5
42.5°	631.9	637.0	637.0	665.8	720.0	679.3	652.2	652.2	652.2	653.9	659.0
45°	596.3	598.0	596.3	616.6	667.4	633.6	614.9	620.0	623.4	626.8	630.2
47.5°	565.8	567.5	565.8	582.7	608.2	594.6	584.4	591.2	598.0	603.1	606.5
50°	538.7	537.0	540.4	550.6	562.4	565.8	559.0	569.2	572.6	579.4	587.8
52.5°	515.0	513.3	516.7	521.8	538.7	538.7	538.7	547.2	553.9	560.7	572.6
55°	487.9	489.6	494.7	501.4	523.5	520.1	521.8	528.5	535.3	545.5	552.3
57.5°	462.5	465.9	472.6	482.8	504.8	503.1	504.8	508.2	516.7	521.8	528.5
60°	433.7	440.4	448.9	455.7	477.7	476.0	484.5	491.3	496.3	496.3	499.7
62.5°	404.9	415.0	423.5	428.6	452.3	454.0	465.9	470.9	474.3	470.9	476.0
65°	376.1	391.3	394.7	401.5	425.2	426.9	440.4	452.3	448.9	445.5	454.0
67.5°	347.3	365.9	364.2	372.7	396.4	399.8	411.6	432.0	425.2	421.8	428.6
70°	315.1	328.6	330.3	335.4	367.6	362.5	381.2	399.8	394.7	396.4	396.4
72.5°	279.5	291.4	291.4	301.5	335.4	326.9	342.2	362.5	362.5	360.8	360.8
75°	237.2	243.9	250.7	266.0	301.5	291.4	301.5	320.2	323.6	320.2	320.2
77.5°	191.4	201.6	205.0	225.3	250.7	249.0	259.2	267.7	274.4	271.0	271.0
80°	135.5	145.7	159.2	181.3	196.5	201.6	206.7	213.4	216.8	216.8	220.2
82.5°	76.2	91.5	103.3	125.4	132.1	157.5	155.9	160.9	155.9	137.2	152.5
85°	16.9	32.2	45.7	57.6	66.1	91.5	96.6	108.4	89.8	83.0	83.0
87.5°	0.0	0.0	0.0	0.0	0.0	13.6	27.1	37.3	32.2	27.1	27.1
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°	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3	8253.3
2.5°	7203.0	7350.4	7528.3	7834.9	8050.0	8282.1	8515.9	8764.9	8831.0	8898.7
5°	5839.3	6129.0	6286.5	6698.2	7130.2	7679.0	8127.9	8619.2	8824.2	8871.6
7.5°	4423.1	4619.6	5033.0	5449.7	5985.0	6561.0	7248.7	8014.4	8253.3	8353.2
10°	3506.6	3774.3	4136.8	4584.0	5053.3	5673.3	6449.2	7343.6	7682.4	7738.3
12.5°	2984.9	3283.0	3677.7	4150.4	4594.2	5061.8	5844.4	6767.6	7130.2	7250.4
15°	2386.9	2747.7	3203.4	3701.4	4184.2	4695.8	5488.6	6530.5	6948.9	7089.5
17.5°	1875.3	2166.7	2659.6	3200.0	3772.6	4419.7	5414.1	6644.0	7159.0	7289.4
20°	1434.8	1643.2	2058.2	2629.1	3300.0	4147.0	5432.7	7072.6	7689.2	7867.1
22.5°	1240.0	1346.8	1599.2	2142.9	2893.4	3909.8	5509.0	7660.4	8404.1	8700.5
25°	1123.1	1179.0	1321.3	1677.1	2505.5	3679.4	5683.5	8451.5	9403.5	9600.0
27.5°	1023.2	1063.8	1151.9	1407.7	2153.1	3466.0	5886.7	9329.0	10336.9	10630.0
30°	928.3	982.5	1065.5	1250.2	1927.8	3271.2	6142.5	10040.5	11123.0	11395.7
32.5°	855.5	909.7	985.9	1140.1	1736.4	3066.2	6295.0	10665.6	11765.0	11997.1
35°	796.2	841.9	921.6	1052.0	1590.7	2910.3	6264.5	11161.9	12386.7	12623.9
37.5°	753.8	792.8	872.4	969.0	1480.6	2747.7	6249.3	11817.5	13143.9	13418.4
40°	714.9	755.5	828.4	914.8	1370.5	2556.3	6257.7	12468.0	13950.3	14224.7
42.5°	684.4	730.1	789.4	899.5	1257.0	2402.1	6257.7	13033.8	14651.6	14915.9
45°	659.0	708.1	765.7	897.8	1167.2	2285.2	6215.4	13520.0	15210.7	15436.0
47.5°	637.0	691.2	774.2	867.3	1145.2	2200.5	6178.1	13909.6	15666.4	15878.1
50°	621.7	686.1	823.3	831.8	1151.9	2175.1	6357.7	14400.9	16067.8	16250.8
52.5°	609.8	687.8	821.6	779.3	1140.1	2192.1	6732.1	15168.3	16625.2	16638.7
55°	586.1	686.1	779.3	720.0	1091.0	2220.9	7213.2	16283.0	17497.6	17507.8
57.5°	562.4	667.4	723.3	669.1	991.0	2220.9	7792.5	17338.4	18549.6	18558.1
60°	538.7	694.6	635.3	625.1	860.6	2180.2	8404.1	17802.5	18879.9	18966.3
62.5°	515.0	699.6	567.5	586.1	765.7	2082.0	8859.8	17289.2	18432.7	18556.4
65°	487.9	564.1	523.5	545.5	716.6	1917.6	8715.8	16349.0	17592.5	17739.8
67.5°	455.7	477.7	476.0	503.1	699.6	1675.4	7956.8	15159.8	16687.9	16679.4
70°	416.7	428.6	433.7	462.5	667.4	1487.4	6630.4	13616.6	15480.0	15669.7
72.5°	376.1	386.2	391.3	416.7	635.3	1380.6	5146.5	11490.6	13408.2	13704.7
75°	332.0	338.8	345.6	367.6	601.4	1223.1	3665.9	8771.7	10269.2	10735.0
77.5°	286.3	286.3	294.8	316.8	506.5	1009.6	2459.7	6152.7	6957.4	7433.4
80°	232.1	233.8	230.4	254.1	372.7	691.2	1397.6	4109.7	4629.8	4721.3
82.5°	177.9	172.8	174.5	186.3	277.8	470.9	745.4	2552.9	2602.0	2551.2
85°	111.8	111.8	108.4	122.0	177.9	245.6	406.6	1563.6	1221.4	1162.1
87.5°	45.7	37.3	42.4	49.1	84.7	99.9	159.2	321.9	123.7	113.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)