

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: P533151

Luminaire Tested: **GALN-SA8C-740-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8C-740-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31385 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

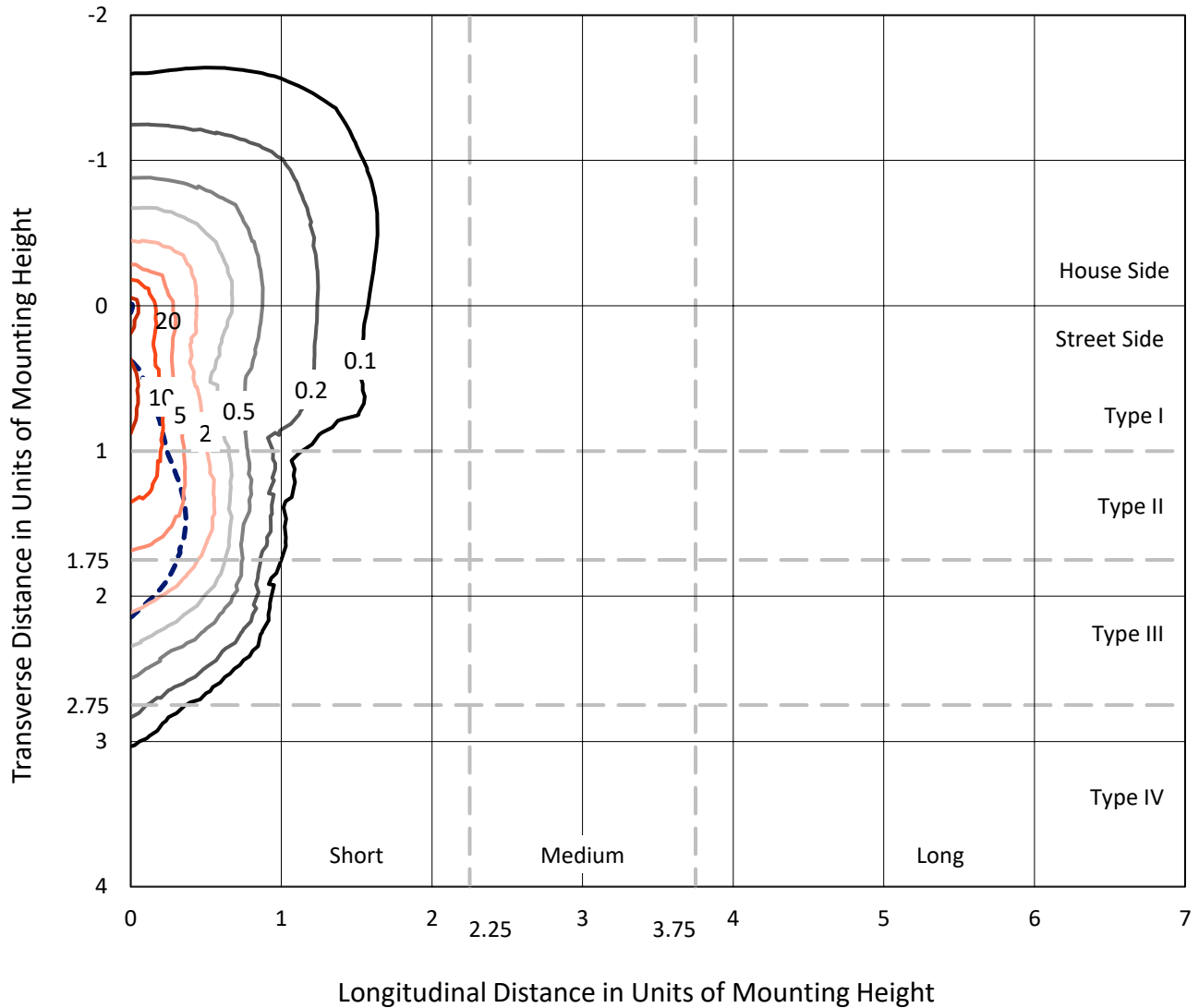
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

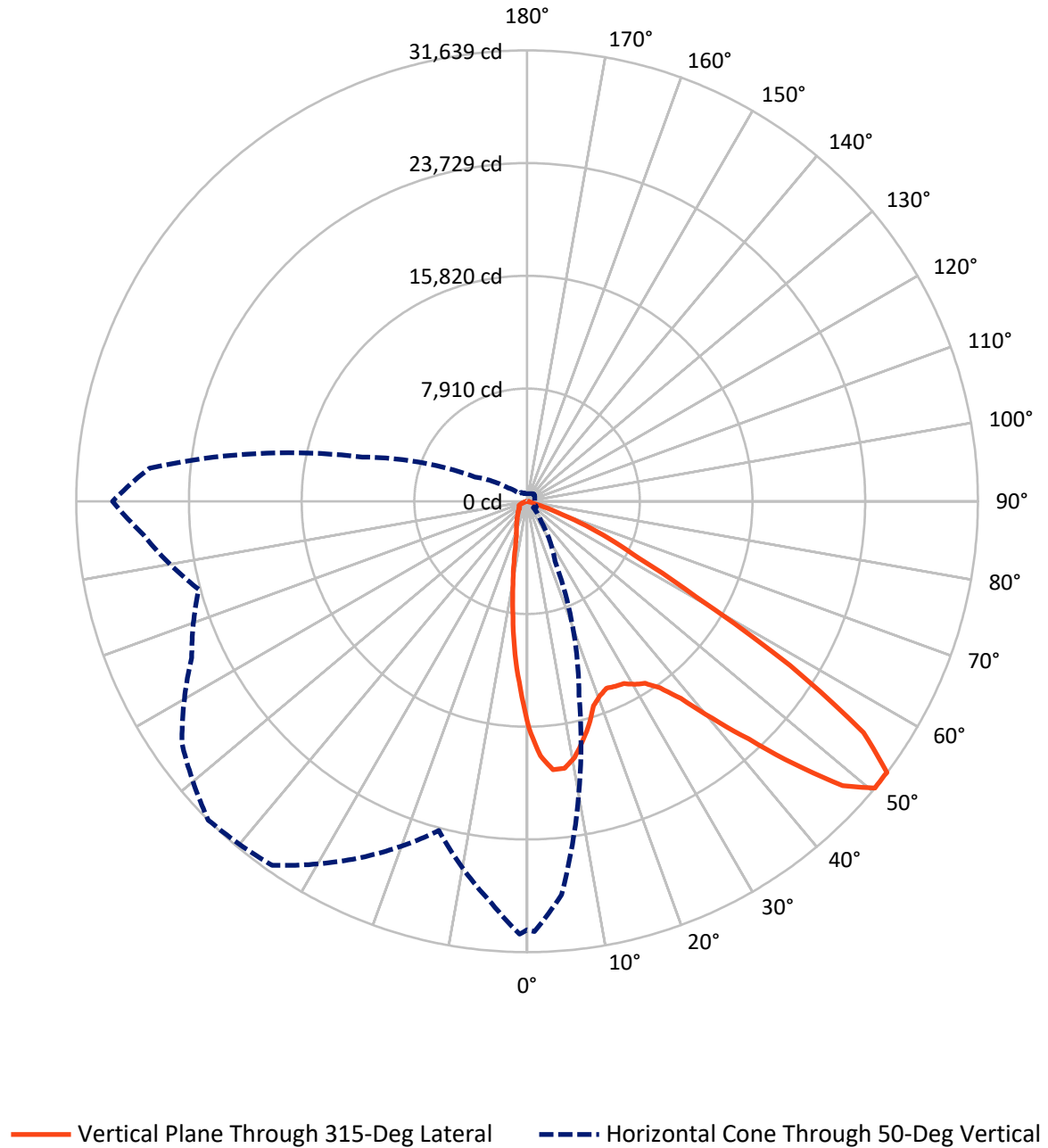
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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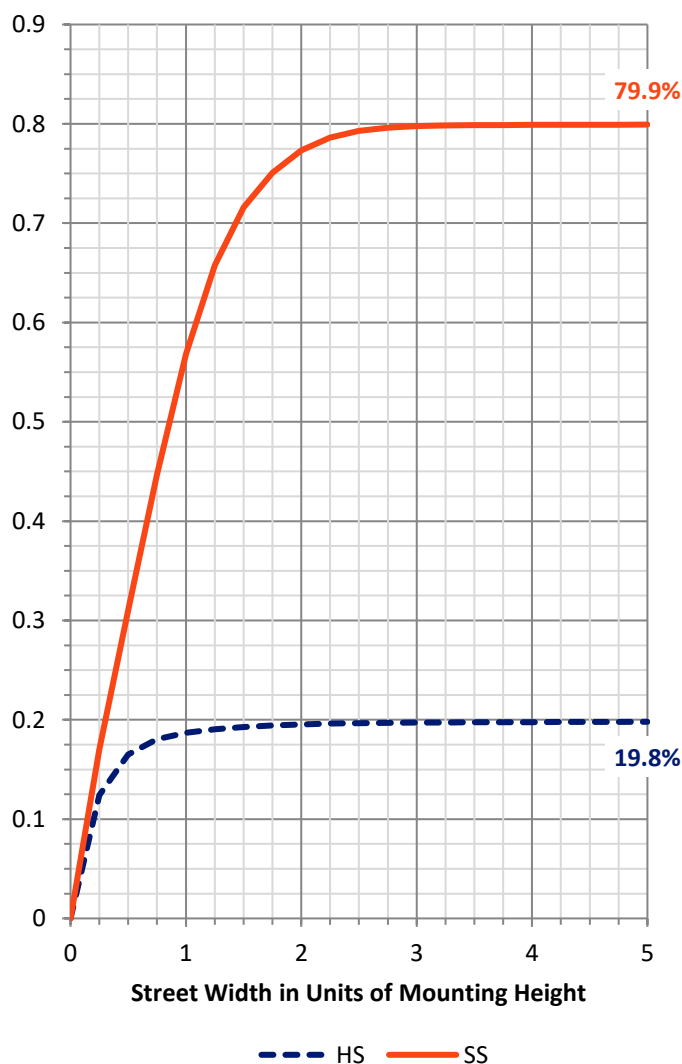
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6286.4	0.0	6286.4
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	25098.6	0.0	25098.6
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	31385.0	0.0	31385.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1160.1	3.7
10°-20°	2305.7	7.3
20°-30°	3463.8	11.0
30°-40°	5199.1	16.6
40°-50°	7307.0	23.3
50°-60°	7881.9	25.1
60°-70°	3659.5	11.7
70°-80°	344.3	1.1
80°-90°	63.5	0.2
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°	31385.0	100.0
0°-180°	31385.0	100.0

**Coefficient of Utilization**



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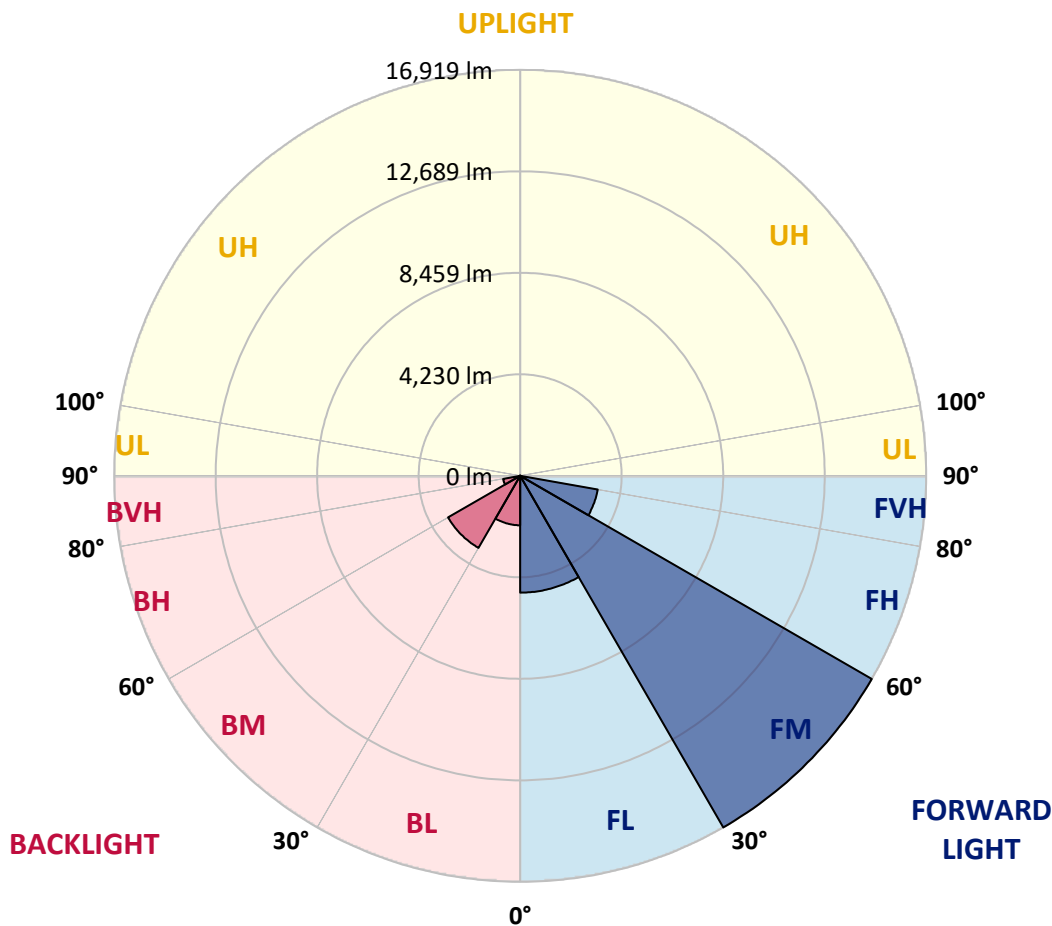
CATALOG NUMBER: GALN-SA8C-740-U-SLR-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4869.1	15.5			
FM (30°-60°)	16918.9	53.9			
FH (60°-80°)	3282.0	10.5			G2/5000
FVH (80°-90°)	28.6	0.1			G1/100
BL (0°-30°)	2060.5	6.6	B3/2500		
BM (30°-60°)	3469.2	11.1	B3/5000		
BH (60°-80°)	721.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	34.9	0.1			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2
2.5°	16545.1	16289.8	15966.0	15698.2	15299.7	14496.4	14278.5	14016.9	13799.0	13506.3	13095.3
5°	15044.4	14963.4	14814.0	13805.2	13076.7	12105.2	11308.2	10971.9	10529.8	10168.7	9907.1
7.5°	13898.6	13574.8	13101.6	12086.6	10922.1	9882.2	8998.0	8481.1	7895.8	7696.5	7341.6
10°	12671.9	12746.6	12049.2	10623.2	9215.9	8375.3	7827.3	7329.2	6799.9	6451.1	5946.8
12.5°	12279.6	12036.7	11501.2	9739.0	8537.2	7752.6	7086.3	6469.8	5909.4	5349.0	4863.3
15°	12534.9	12161.3	11414.0	9552.2	8014.1	7036.5	6202.1	5367.7	4850.8	4134.7	3630.3
17.5°	13450.3	13151.4	12148.8	9751.4	7746.4	6351.5	5112.3	4253.0	3462.2	2814.6	2559.3
20°	14975.9	14552.4	13294.6	10006.8	7347.8	5523.3	4147.2	3088.6	2341.3	2067.4	1924.1
22.5°	16470.4	16240.0	14652.1	10498.7	6992.9	4788.5	3113.5	2079.8	1749.8	1700.0	1606.6
25°	19316.1	18624.9	16725.7	11389.1	6718.9	4097.4	2347.6	1675.1	1482.0	1444.7	1457.1
27.5°	21009.8	20430.7	18643.6	11980.7	6413.8	3568.1	1986.4	1538.1	1407.3	1326.3	1295.2
30°	22635.1	21962.5	19596.3	12329.4	5760.0	3007.6	1762.2	1475.8	1444.7	1326.3	1289.0
32.5°	23886.7	23226.6	20972.5	12852.5	5492.2	2646.5	1450.9	1152.0	1071.0	1058.6	1170.7
35°	25804.6	25100.9	22149.4	13138.9	5286.7	2459.7	1257.8	1027.5	934.0	896.7	902.9
37.5°	27591.7	27112.3	23239.1	13251.0	5068.8	2403.6	1127.1	921.6	840.6	815.7	809.5
40°	29086.2	28015.2	24272.8	13369.3	4975.4	2297.8	1046.1	840.6	784.6	747.2	747.2
42.5°	29771.2	28681.5	25431.0	13300.8	4950.4	2129.6	1046.1	772.1	728.6	691.2	685.0
45°	29621.7	29179.6	25947.8	13269.7	4950.4	1961.5	952.7	753.5	691.2	641.4	628.9
47.5°	30007.8	29428.7	26595.4	13400.5	4850.8	1843.2	803.3	790.8	653.8	591.6	579.1
50°	30076.3	30188.4	27722.5	14079.2	4632.9	1693.7	628.9	778.4	628.9	535.5	523.1
52°	30524.6	29827.2	28065.0	14440.4	4402.5	1581.7	529.3	666.3	604.0	498.2	485.7
52.5°	29908.2	30362.7	28145.9	14571.1	4427.4	1506.9	510.6	653.8	591.6	498.2	467.0
55°	29217.0	29652.9	27815.9	14851.3	4060.0	1183.1	398.5	473.3	535.5	435.9	417.2
57.5°	25393.6	25835.7	24173.1	13599.7	3306.5	834.4	330.0	354.9	473.3	404.8	386.1
60°	22572.8	22255.2	20287.5	11345.6	2347.6	467.0	261.5	274.0	516.8	373.6	367.4
62.5°	20630.0	19951.2	16956.1	8761.4	1432.2	311.3	205.5	211.7	398.5	348.7	348.7
65°	15262.3	14502.6	11264.6	5299.2	703.6	217.9	155.7	168.1	249.1	298.9	298.9
67.5°	8711.5	8418.9	5442.4	2391.2	292.7	137.0	118.3	130.8	193.0	242.9	230.4
70°	4003.9	3593.0	2092.3	504.4	137.0	93.4	93.4	105.9	155.7	180.6	168.1
72.5°	1170.7	1108.4	510.6	81.0	56.0	56.0	62.3	81.0	118.3	137.0	124.5
75°	87.2	56.0	37.4	24.9	24.9	37.4	49.8	81.0	118.3	130.8	105.9
77.5°	6.2	12.5	6.2	6.2	18.7	37.4	56.0	99.6	155.7	161.9	118.3
80°	6.2	6.2	0.0	6.2	18.7	37.4	62.3	112.1	174.4	186.8	99.6
82.5°	0.0	0.0	0.0	6.2	24.9	49.8	74.7	118.3	161.9	199.3	105.9
85°	0.0	0.0	0.0	6.2	37.4	68.5	87.2	31.1	18.7	0.0	0.0
87.5°	0.0	0.0	0.0	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2
2.5°	13388.0	13226.1	13163.8	13219.9	13201.2	13182.5	13525.0	13450.3	13437.8	13549.9	13525.0
5°	10050.3	9763.9	10548.5	10230.9	10561.0	10760.2	10797.6	10816.3	11046.7	10803.8	11121.4
7.5°	7161.0	7235.7	7229.5	7441.2	7821.1	8157.3	8356.6	8200.9	8188.5	8157.3	8020.3
10°	5722.6	5591.8	5566.9	5517.1	5635.4	5921.9	6164.7	5971.7	5834.7	6021.5	5965.4
12.5°	4676.5	4495.9	4396.2	4197.0	4203.2	4396.2	4396.2	4396.2	4533.2	4639.1	4720.0
15°	3586.7	3437.3	3437.3	3238.0	3194.4	3200.7	3300.3	3312.8	3530.7	3593.0	3624.1
17.5°	2509.5	2428.5	2521.9	2602.9	2553.1	2565.5	2602.9	2615.3	2646.5	2621.6	2683.8
20°	1930.4	1917.9	1942.8	2086.0	2191.9	2254.2	2210.6	2148.3	2110.9	2023.8	2023.8
22.5°	1637.7	1662.6	1706.2	1824.5	1961.5	1998.9	1949.0	1805.8	1693.7	1681.3	1687.5
25°	1457.1	1482.0	1550.5	1625.2	1700.0	1762.2	1712.4	1606.6	1544.3	1488.2	1488.2
27.5°	1345.0	1357.5	1394.8	1450.9	1513.2	1563.0	1544.3	1488.2	1419.8	1394.8	1338.8
30°	1257.8	1276.5	1320.1	1332.6	1388.6	1413.5	1382.4	1369.9	1326.3	1295.2	1276.5
32.5°	1214.3	1208.0	1239.2	1251.6	1257.8	1276.5	1239.2	1257.8	1251.6	1201.8	1183.1
35°	915.4	965.2	1046.1	1114.6	1133.3	1158.2	1152.0	1127.1	1058.6	1002.5	934.0
37.5°	822.0	853.1	896.7	952.7	1027.5	1058.6	1046.1	983.9	902.9	865.5	853.1
40°	759.7	778.4	815.7	853.1	927.8	983.9	940.3	884.2	822.0	790.8	772.1
42.5°	703.6	709.9	728.6	765.9	822.0	909.1	834.4	759.7	734.8	716.1	703.6
45°	641.4	641.4	666.3	685.0	747.2	828.2	753.5	685.0	672.5	660.1	653.8
47.5°	591.6	597.8	610.2	635.2	685.0	741.0	691.2	635.2	604.0	597.8	585.3
50°	529.3	535.5	560.4	585.3	647.6	678.7	647.6	585.3	554.2	535.5	535.5
52°	479.5	498.2	523.1	572.9	616.5	666.3	628.9	560.4	523.1	504.4	491.9
52.5°	473.3	485.7	510.6	566.7	616.5	660.1	622.7	554.2	510.6	498.2	485.7
55°	423.4	442.1	485.7	554.2	610.2	660.1	610.2	548.0	485.7	454.6	442.1
57.5°	404.8	417.2	473.3	560.4	604.0	660.1	610.2	548.0	485.7	429.7	417.2
60°	386.1	411.0	473.3	541.7	597.8	666.3	616.5	541.7	473.3	404.8	404.8
62.5°	367.4	386.1	467.0	529.3	572.9	641.4	591.6	529.3	454.6	386.1	379.8
65°	317.6	348.7	411.0	442.1	491.9	554.2	504.4	460.8	398.5	342.5	336.3
67.5°	242.9	255.3	305.1	342.5	373.6	429.7	404.8	348.7	305.1	261.5	261.5
70°	168.1	180.6	217.9	236.6	267.8	298.9	280.2	236.6	205.5	180.6	174.4
72.5°	118.3	124.5	137.0	149.4	161.9	174.4	168.1	137.0	118.3	112.1	105.9
75°	93.4	105.9	112.1	105.9	99.6	93.4	93.4	81.0	68.5	62.3	62.3
77.5°	93.4	99.6	93.4	81.0	68.5	62.3	56.0	49.8	37.4	31.1	37.4
80°	81.0	81.0	81.0	68.5	62.3	56.0	49.8	43.6	37.4	31.1	31.1
82.5°	87.2	87.2	81.0	68.5	68.5	56.0	56.0	49.8	43.6	31.1	31.1
85°	0.0	0.0	0.0	12.5	31.1	56.0	56.0	49.8	43.6	37.4	37.4
87.5°	0.0	0.0	0.0	0.0	6.2	12.5	24.9	31.1	37.4	37.4	37.4
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2
2.5°	13749.2	13985.8	14434.1	14882.5	15156.5	15480.3	16065.6	16376.9	16781.7	16981.0	17373.3
5°	11077.8	11638.2	11837.5	12348.1	12896.1	13444.0	14315.8	15274.8	16071.8	16619.8	17329.7
7.5°	8082.6	8213.4	8985.5	9328.0	10224.7	11221.0	12410.4	13618.4	14627.2	15523.9	16065.6
10°	6058.8	6538.3	7024.0	7677.9	8400.2	9427.6	10567.2	11899.8	13207.4	14104.1	14789.1
12.5°	4869.5	5249.3	5896.9	6600.6	7491.1	8169.8	9315.6	10635.7	12329.4	13207.4	14110.3
15°	3686.4	4172.1	4906.9	5635.4	6575.7	7291.8	8450.0	10112.6	12292.1	13500.1	14278.5
17.5°	2733.6	3063.7	3723.7	4539.5	5498.4	6507.2	8070.2	10056.6	12709.3	14147.7	14951.0
20°	2092.3	2204.3	2621.6	3350.1	4390.0	5710.1	7453.7	10299.4	13942.2	15723.1	16538.8
22.5°	1693.7	1743.6	1905.5	2409.8	3418.6	5012.7	7161.0	10467.5	15330.8	17609.9	18699.6
25°	1475.8	1463.3	1569.2	1787.1	2671.4	4358.9	6787.4	11102.7	17030.8	19826.7	20804.3
27.5°	1345.0	1345.0	1394.8	1550.5	2216.8	3935.4	6550.8	11557.3	18743.2	21775.7	22305.0
30°	1276.5	1289.0	1432.2	1482.0	1843.2	3431.1	6158.5	12018.1	20380.9	23021.1	23749.7
32.5°	1183.1	1133.3	1102.2	1226.7	1550.5	2976.5	5766.2	12211.1	21707.2	24546.7	25169.4
35°	909.1	884.2	921.6	1015.0	1332.6	2590.4	5330.3	12429.0	23232.8	26315.2	26439.7
37.5°	822.0	815.7	840.6	921.6	1120.9	2254.2	5018.9	12373.0	24397.3	27778.5	27442.3
40°	759.7	759.7	778.4	846.9	1002.5	2017.5	4695.1	12323.2	25524.4	29422.5	28438.6
42.5°	709.9	709.9	741.0	784.6	952.7	1861.9	4452.3	12254.7	26470.9	30431.2	29023.9
45°	641.4	660.1	709.9	753.5	965.2	1756.0	4271.7	11993.2	26794.7	30418.8	28743.7
47.5°	591.6	616.5	666.3	728.6	871.8	1724.9	4147.2	11762.8	26682.6	29671.5	27865.7
50°	535.5	566.7	635.2	741.0	741.0	1662.6	4016.4	11968.2	26601.6	29092.4	27025.1
52°	498.2	523.1	610.2	722.3	647.6	1531.8	3935.4	12366.8	26931.7	29017.7	26651.5
52.5°	491.9	510.6	591.6	709.9	616.5	1506.9	3879.4	12460.2	27037.5	28830.9	26906.8
55°	435.9	460.8	541.7	554.2	504.4	1239.2	3698.8	12671.9	26514.5	28463.5	26663.9
57.5°	411.0	423.4	479.5	454.6	435.9	934.0	3182.0	12341.9	23550.4	25281.5	24808.3
60°	379.8	392.3	448.3	354.9	367.4	653.8	2391.2	10716.6	18911.3	21065.9	21919.0
62.5°	367.4	361.2	423.4	286.4	311.3	473.3	1687.5	8711.5	14571.1	17342.1	18817.9
65°	323.8	317.6	305.1	242.9	267.8	367.4	1008.8	5685.2	10268.3	13120.2	13929.7
67.5°	249.1	261.5	224.2	193.0	224.2	286.4	560.4	2546.8	5386.3	7870.9	8524.7
70°	174.4	186.8	180.6	168.1	199.3	236.6	323.8	871.8	2229.3	4134.7	4558.1
72.5°	105.9	130.8	137.0	143.2	174.4	205.5	230.4	280.2	591.6	1463.3	1818.3
75°	62.3	87.2	105.9	124.5	143.2	174.4	193.0	199.3	205.5	274.0	442.1
77.5°	43.6	62.3	93.4	118.3	143.2	174.4	205.5	217.9	205.5	193.0	205.5
80°	37.4	62.3	87.2	112.1	149.4	180.6	205.5	205.5	199.3	174.4	186.8
82.5°	37.4	62.3	93.4	118.3	143.2	174.4	199.3	205.5	186.8	174.4	180.6
85°	43.6	68.5	99.6	124.5	155.7	143.2	130.8	105.9	99.6	81.0	87.2
87.5°	43.6	62.3	62.3	68.5	74.7	74.7	74.7	68.5	56.0	49.8	49.8
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°	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2	15916.2
2.5°	17391.9	17890.1	17871.4	17883.9	17809.2	17304.8	17061.9	16445.4	16619.8	16545.1
5°	18058.2	18550.2	18973.6	18923.8	18350.9	17665.9	16650.9	15692.0	15430.4	15044.4
7.5°	17391.9	18575.1	18967.4	18911.3	18064.5	17186.5	15567.4	14608.5	14153.9	13898.6
10°	16333.4	17703.3	18189.0	18288.6	17715.7	16383.2	14894.9	13356.9	13114.0	12671.9
12.5°	15729.3	16725.7	17024.6	17292.3	17093.0	16096.7	14384.3	12908.5	12572.3	12279.6
15°	15237.4	15829.0	15953.5	16258.6	16376.9	15841.4	14652.1	13394.2	12566.0	12534.9
17.5°	15692.0	15449.1	14994.6	15088.0	15461.6	15847.7	15343.3	14353.2	13549.9	13450.3
20°	16445.4	15374.4	14347.0	14577.4	14888.7	16071.8	16389.4	15692.0	15231.2	14975.9
22.5°	17311.0	15505.2	14141.5	14253.5	14845.1	16576.2	18083.1	17697.1	16837.7	16470.4
25°	18911.3	15866.3	14303.4	14378.1	15187.6	17279.9	19615.0	19901.4	19390.8	19316.1
27.5°	20474.3	16800.4	14658.3	14490.2	15362.0	17964.8	20542.8	22080.9	21184.2	21009.8
30°	21271.4	17560.1	15187.6	14901.2	16084.3	18382.0	21103.2	23500.6	22716.0	22635.1
32.5°	22491.8	18251.3	15598.6	15231.2	16489.0	18898.9	22149.4	25051.1	24291.4	23886.7
35°	23002.5	19004.7	16501.5	16071.8	17647.3	19621.2	22684.9	26433.5	26196.9	25804.6
37.5°	23986.3	19814.2	17566.3	17541.4	19048.3	20561.5	23650.1	28314.1	28270.5	27591.7
40°	24067.3	20698.5	19247.6	20032.2	21215.3	22199.2	24496.9	28837.1	29547.0	29086.2
42.5°	24191.8	22249.0	22155.6	22803.2	23818.2	23606.5	24528.1	28961.7	30045.2	29771.2
45°	24247.8	23799.5	25113.4	26309.0	26732.4	25449.7	24235.4	28725.0	30306.7	29621.7
47.5°	23799.5	25132.1	27504.6	29814.8	29939.3	26583.0	24110.9	28482.2	30462.4	30007.8
50°	23861.8	25966.5	29571.9	31639.3	31184.7	27585.5	23917.8	28332.7	30381.4	30076.3
52°	23712.3	25985.2	29864.6	31601.9	31284.3	27031.3	23587.8	27759.9	30306.7	30524.6
52.5°	23880.5	25873.1	29559.5	31626.8	31215.8	27305.3	23544.2	28077.4	30350.3	29908.2
55°	23301.3	24540.5	27772.3	28650.3	28588.0	24783.4	22205.4	27025.1	29210.7	29217.0
57.5°	21059.6	21271.4	21782.0	21763.3	21476.8	19484.2	18992.3	24851.9	26041.2	25393.6
60°	18556.4	15573.7	14197.5	13637.1	13319.5	12995.7	16800.4	22734.7	22846.8	22572.8
62.5°	16034.5	10797.6	8966.8	8811.2	8885.9	10069.0	16240.0	21894.0	21221.5	20630.0
65°	12939.7	7870.9	6513.4	6307.9	7036.5	8313.0	13145.1	16787.9	15754.2	15262.3
67.5°	8126.2	5741.3	4402.5	4016.4	4894.4	5722.6	8636.8	10548.5	9390.3	8711.5
70°	4819.7	3206.9	1992.6	1787.1	2011.3	3051.2	4838.4	5261.8	4352.7	4003.9
72.5°	1899.2	1176.9	554.2	473.3	491.9	1071.0	1780.9	1737.3	1313.9	1170.7
75°	510.6	354.9	193.0	155.7	130.8	199.3	286.4	186.8	68.5	87.2
77.5°	236.6	211.7	168.1	130.8	99.6	74.7	37.4	12.5	12.5	6.2
80°	205.5	180.6	155.7	130.8	99.6	62.3	31.1	6.2	6.2	6.2
82.5°	193.0	168.1	143.2	118.3	93.4	62.3	31.1	6.2	0.0	0.0
85°	81.0	105.9	118.3	112.1	99.6	62.3	31.1	6.2	0.0	0.0
87.5°	43.6	37.4	31.1	24.9	18.7	12.5	12.5	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

(END OF REPORT)