

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: P647669

Luminaire Tested: **GALN-SA9D-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647669  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9D-835-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40896.1 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G3

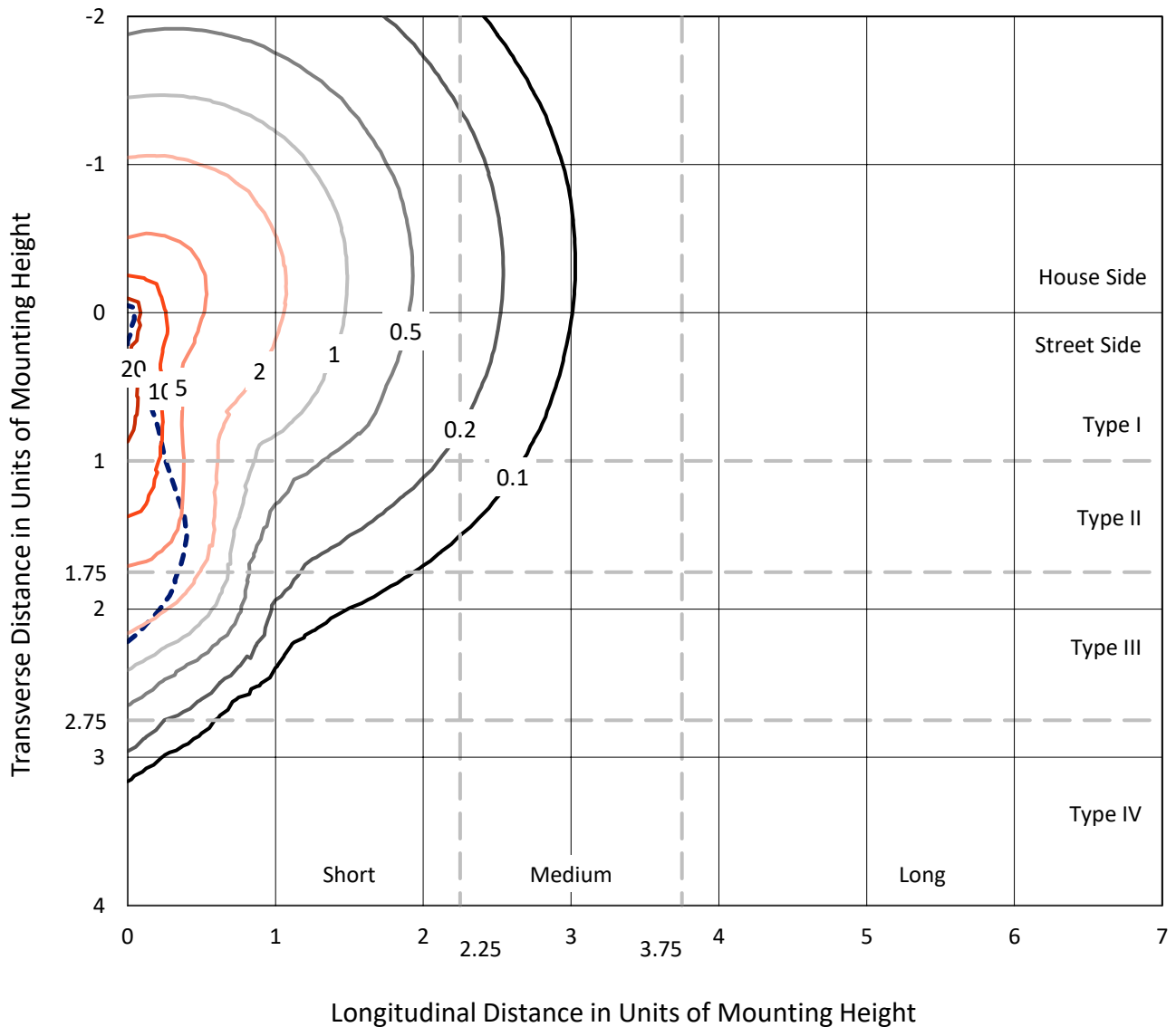
Input Watts (W): 552  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

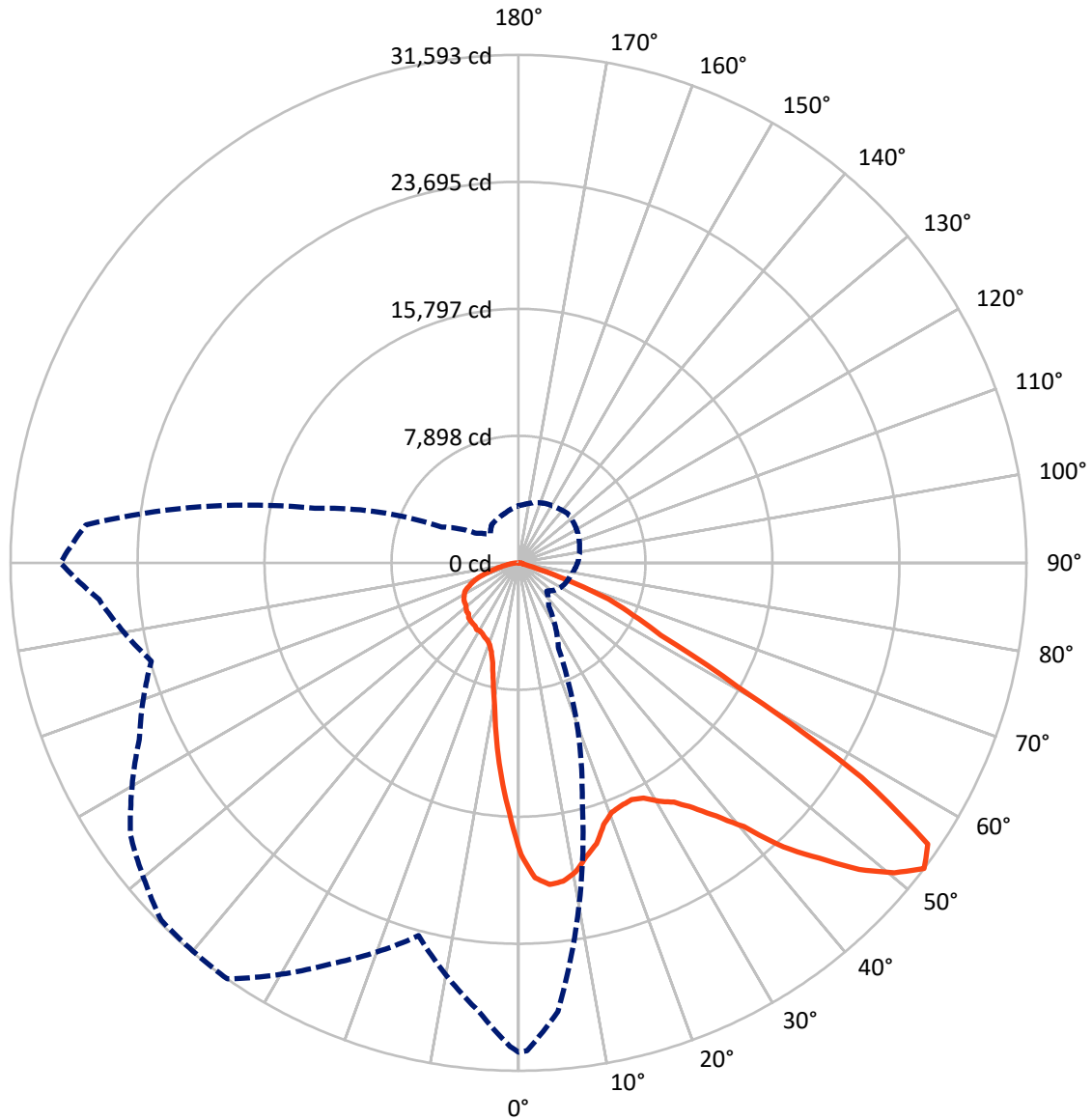
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical



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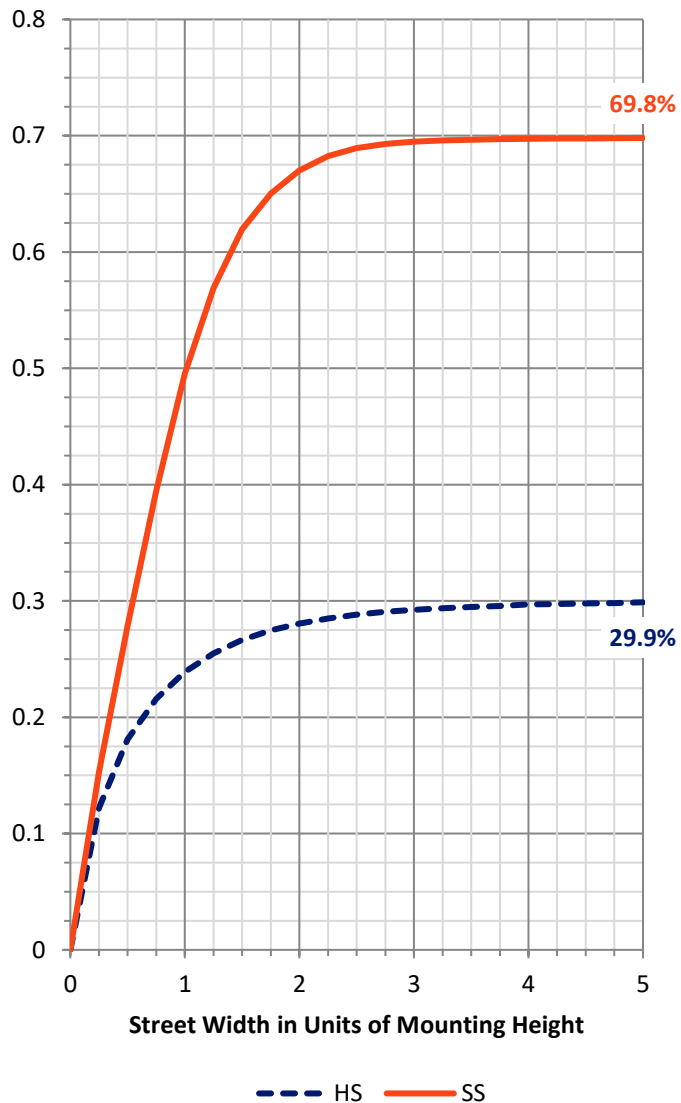
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12328.5	0.0	12328.5
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	28567.6	0.0	28567.6
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	40896.1	0.0	40896.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1384.7	3.4
10°-20°	3001.8	7.3
20°-30°	4535.4	11.1
30°-40°	6553.9	16.0
40°-50°	8722.1	21.3
50°-60°	9755.9	23.9
60°-70°	5498.4	13.4
70°-80°	1225.7	3.0
80°-90°	218.3	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°	40896.1	100.0
0°-180°	40896.1	100.0

**Coefficient of Utilization**

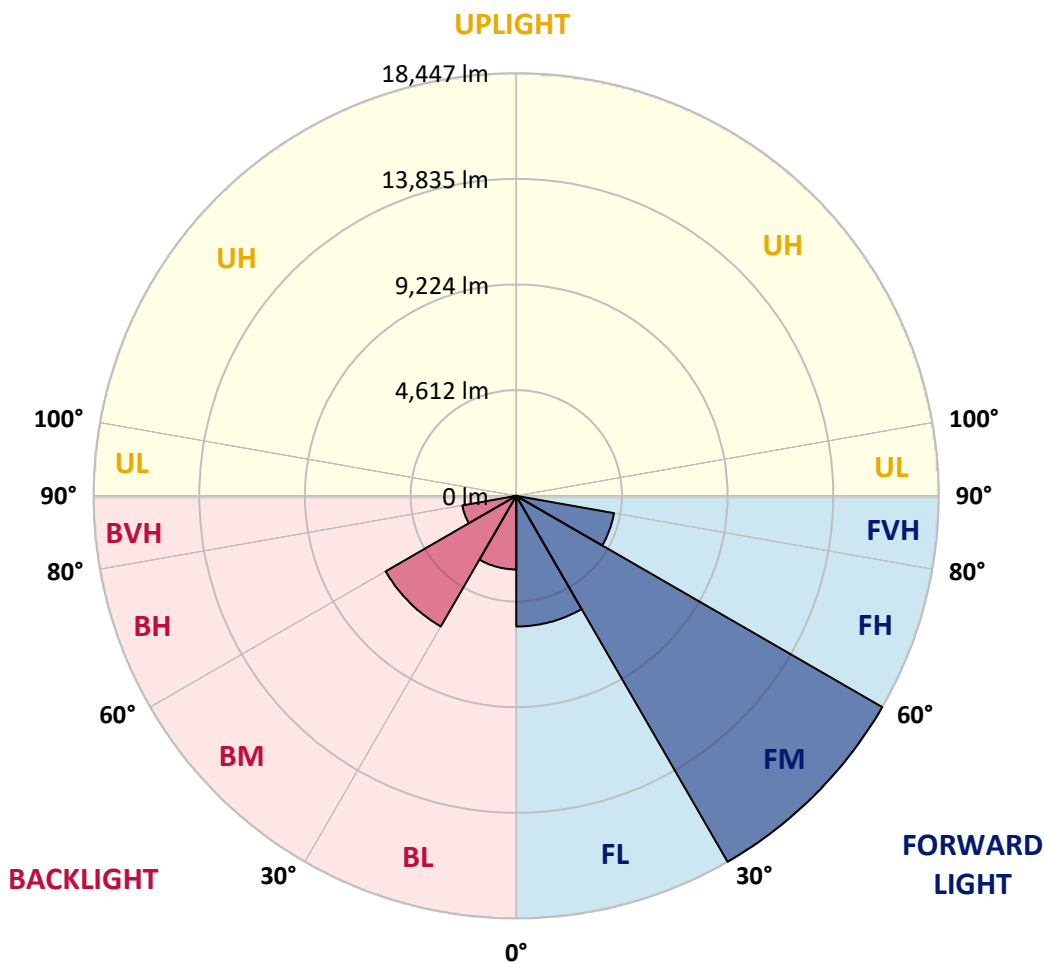


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5707.0	14.0			
FM	(30°-60°)	18447.3	45.1			
FH	(60°-80°)	4334.4	10.6			G2/5000
FVH	(80°-90°)	79.0	0.2			G1/100
BL	(0°-30°)	3215.0	7.9	B4/5000		
BM	(30°-60°)	6584.6	16.1	B4/8500		
BH	(60°-80°)	2389.6	5.8	B3/2500		G3/2500
BVH	(80°-90°)	139.2	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9
2.5°	18452.3	18748.6	18428.5	17859.5	17456.4	17088.9	16703.7	16626.6	16122.8	16033.8	15666.3
5°	17403.0	17337.9	16946.6	16199.8	15375.8	14629.0	14077.8	13544.3	13182.7	12761.9	12732.2
7.5°	16128.7	15749.3	15524.1	14391.9	13372.4	12198.7	11694.9	10882.8	10628.0	10248.6	10053.0
10°	14990.6	14712.0	14184.4	13052.3	11629.7	10853.2	10313.8	9875.2	9578.8	9187.6	8695.6
12.5°	14427.5	14314.9	13722.1	11967.6	10912.5	10082.6	9703.2	9276.5	8772.7	8144.4	7901.3
15°	14528.3	14148.9	13698.4	11760.1	10301.9	9501.8	8897.2	8363.7	7717.6	7118.9	6769.2
17.5°	15281.0	14990.6	14089.6	11890.5	10070.8	8914.9	7818.3	7030.0	6449.1	5909.7	5666.6
20°	16762.9	16342.1	15328.5	12056.5	9572.9	8096.9	6840.3	5868.2	5245.8	4961.3	4878.3
22.5°	18404.8	18155.9	16537.7	12429.9	9175.7	7338.2	5803.0	4830.9	4599.7	4522.7	4676.8
25°	20402.4	19756.3	18416.7	13040.5	8867.5	6692.1	4925.7	4386.4	4267.8	4344.9	4522.7
27.5°	21919.9	21747.9	19732.5	13615.4	8446.7	5915.6	4433.7	4078.1	4113.6	4190.7	4356.7
30°	23721.8	22850.4	21007.0	14012.6	8067.3	5382.2	4089.9	3995.1	4030.6	4161.1	4244.1
32.5°	24806.5	24480.5	21807.2	14611.2	7628.7	4919.8	3823.2	3734.3	3787.7	3983.3	4178.9
35°	26187.6	25541.5	22797.0	14765.3	7320.4	4736.1	3633.5	3568.4	3692.8	3829.2	4048.5
37.5°	27799.9	27355.3	24166.4	14658.6	7154.4	4546.4	3473.5	3443.9	3532.7	3722.5	3977.3
40°	28754.2	28617.9	24883.6	14723.8	6893.7	4380.4	3289.8	3325.3	3509.1	3657.2	3906.2
42.5°	29673.0	28783.9	25944.5	14700.1	6727.7	4155.1	3307.5	3266.0	3408.3	3580.2	3817.3
45°	29874.5	28991.3	26193.5	14534.2	6526.1	3935.8	3171.2	3189.0	3360.9	3574.2	3728.4
47.5°	29744.1	29092.1	26655.9	14486.8	6336.5	3781.7	2969.7	3183.1	3283.8	3455.7	3675.0
50°	29655.2	29619.6	27047.1	14712.0	6081.6	3538.7	2726.6	3106.0	3206.8	3378.6	3615.7
52.5°	30437.6	30360.5	28025.1	15304.8	5880.1	3277.9	2477.6	2910.4	3153.5	3319.4	3550.6
55°	30911.8	30574.0	29702.6	16033.8	5542.2	2934.1	2305.8	2667.4	3023.0	3171.2	3408.3
57.5°	27805.8	27574.6	26869.3	14966.9	4973.1	2483.6	2092.4	2418.4	2845.2	3076.3	3319.4
60°	23134.9	22773.4	20965.5	12720.4	3669.1	1932.4	1962.0	2222.8	2797.7	2886.7	3171.2
62.5°	21813.1	20918.1	18458.1	10236.8	2815.6	1659.7	1760.5	2045.0	2548.8	2697.0	2981.5
65°	17308.2	16644.4	13206.4	7391.6	1884.9	1440.4	1606.3	1843.4	2199.1	2489.5	2750.4
67.5°	10835.5	10201.2	7047.8	3497.2	1315.9	1232.9	1434.5	1683.4	1973.9	2234.7	2525.1
70°	5660.8	4967.2	3254.1	1262.6	906.9	1007.6	1197.4	1434.5	1719.0	1932.4	2157.6
72.5°	2110.2	1713.0	1061.0	545.4	628.3	770.6	972.1	1144.0	1345.5	1606.3	1730.8
75°	326.0	278.6	272.6	331.9	426.8	557.2	693.5	865.4	1043.3	1209.2	1292.2
77.5°	154.1	148.2	166.0	219.3	284.5	397.1	503.9	669.8	812.0	918.8	966.1
80°	100.8	94.8	106.7	148.2	213.4	296.4	403.1	515.7	646.1	735.0	723.2
82.5°	59.3	65.2	65.2	100.8	148.2	213.4	290.4	391.2	480.1	557.2	509.7
85°	35.5	29.7	29.7	59.3	100.8	171.9	243.0	166.0	171.9	171.9	195.6
87.5°	11.8	11.8	11.8	6.0	11.8	11.8	17.8	29.7	35.5	41.5	53.3
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9
2.5°	15654.4	15838.2	15773.0	15541.8	15719.7	15749.3	15630.8	16039.8	16116.8	15992.3	16027.9
5°	12690.7	12738.2	12844.9	13070.1	13230.1	13419.8	13419.8	13431.7	13271.6	13674.7	13556.2
7.5°	9887.0	9916.7	10041.1	10521.2	10657.6	11019.2	11173.3	11066.6	10746.5	10610.2	10722.8
10°	8535.6	8363.7	8322.2	8381.5	8689.7	8843.8	8974.2	8938.6	8885.3	8778.6	8660.1
12.5°	7634.6	7510.1	7409.4	7267.1	7284.9	7433.0	7533.8	7450.9	7474.5	7498.2	7533.8
15°	6656.6	6567.6	6514.3	6300.9	6277.2	6378.0	6413.6	6460.9	6549.9	6555.8	6514.3
17.5°	5619.3	5542.2	5660.8	5779.3	5696.3	5702.2	5767.4	5808.9	5785.2	5678.6	5625.2
20°	4907.9	4990.9	5109.5	5222.1	5311.0	5364.3	5388.1	5322.9	5245.8	5026.5	5020.6
22.5°	4700.5	4807.2	4907.9	5079.9	5162.9	5299.2	5174.7	5026.5	4919.8	4813.1	4688.6
25°	4546.4	4635.3	4836.8	4902.0	5062.1	5174.7	5085.7	4937.6	4753.8	4599.7	4504.9
27.5°	4433.7	4534.5	4665.0	4842.8	4967.2	5032.4	4943.5	4884.3	4694.6	4510.8	4374.5
30°	4362.6	4469.3	4706.4	4854.6	4961.3	5014.6	4860.6	4789.4	4653.1	4499.0	4380.4
32.5°	4315.2	4410.0	4611.6	4801.3	4872.4	4872.4	4896.1	4813.1	4623.5	4362.6	4261.9
35°	4161.1	4291.5	4457.5	4676.8	4807.2	4884.3	4765.7	4670.8	4546.4	4279.6	4095.9
37.5°	4072.1	4161.1	4374.5	4582.0	4694.6	4777.6	4730.1	4564.2	4398.2	4178.9	4030.6
40°	3977.3	4119.6	4309.2	4504.9	4629.3	4712.3	4676.8	4481.2	4279.6	4072.1	3971.4
42.5°	3912.1	4007.0	4202.6	4421.9	4570.1	4730.1	4623.5	4380.4	4238.1	3953.6	3841.0
45°	3858.8	4012.9	4220.4	4309.2	4463.4	4629.3	4439.7	4291.5	4125.5	3918.1	3823.2
47.5°	3793.6	3935.8	4072.1	4309.2	4380.4	4457.5	4421.9	4184.8	4042.6	3817.3	3752.1
50°	3769.9	3823.2	4072.1	4202.6	4303.4	4380.4	4285.6	4107.8	3971.4	3740.2	3598.0
52.5°	3675.0	3775.8	3935.8	4107.8	4232.2	4327.1	4172.9	4060.3	3876.6	3633.5	3544.6
55°	3556.5	3615.7	3900.3	4078.1	4143.3	4208.5	4149.2	3965.5	3775.8	3526.9	3437.9
57.5°	3402.4	3538.7	3769.9	4018.8	4101.8	4137.4	4042.6	3894.3	3657.2	3437.9	3295.6
60°	3242.3	3384.6	3639.5	3841.0	3924.0	4054.4	3912.1	3823.2	3550.6	3307.5	3153.5
62.5°	3082.3	3242.3	3432.0	3686.9	3758.0	3811.3	3775.8	3651.4	3432.0	3159.3	2969.7
65°	2892.6	3011.2	3248.3	3378.6	3426.1	3550.6	3426.1	3378.6	3183.1	2922.2	2762.2
67.5°	2608.1	2708.9	2916.3	3040.8	3076.3	3129.7	3123.8	3070.5	2851.1	2673.3	2531.0
70°	2282.1	2371.0	2501.4	2649.6	2667.4	2732.6	2673.3	2661.4	2519.1	2276.2	2199.1
72.5°	1831.6	1914.6	2086.5	2151.7	2157.6	2181.3	2151.7	2110.2	2074.6	1819.8	1742.6
75°	1404.8	1452.2	1535.2	1594.5	1594.5	1624.1	1606.3	1564.8	1470.0	1310.0	1232.9
77.5°	978.0	1025.4	1132.1	1167.7	1161.8	1173.6	1120.3	1078.8	936.5	853.5	788.3
80°	711.3	741.0	794.3	818.0	824.0	841.7	776.5	741.0	658.0	563.1	533.5
82.5°	515.7	533.5	539.4	569.0	569.0	539.4	521.6	486.1	426.8	367.5	343.8
85°	213.4	219.3	225.3	260.8	266.8	320.1	296.4	278.6	243.0	207.5	189.6
87.5°	53.3	59.3	77.0	65.2	77.0	77.0	83.0	94.8	94.8	77.0	77.0
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°	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9
2.5°	16164.3	16211.6	16816.3	16893.3	17189.7	17492.0	18102.5	18541.1	18896.8	19128.0	19193.2
5°	13680.7	13982.9	14261.5	14712.0	15121.0	15701.9	16371.7	17201.6	18244.8	18778.2	18991.7
7.5°	10711.0	11066.6	11469.7	11908.3	12507.0	13550.2	14445.3	15405.5	16739.2	17290.4	18126.2
10°	8743.1	9140.2	9673.7	10011.5	10734.7	11730.5	12773.7	13882.1	15156.5	15950.8	16917.0
12.5°	7729.5	8055.4	8547.4	9258.7	9798.1	10444.2	11220.7	12619.6	14445.3	15198.0	15861.9
15°	6609.1	6970.7	7539.7	8328.1	8974.2	9744.7	10616.1	12139.5	14083.7	15245.5	15808.6
17.5°	5684.4	5945.2	6543.9	7225.6	7966.6	8808.2	10059.0	12115.8	14463.0	15950.8	16869.6
20°	5044.3	5079.9	5405.8	5986.7	6994.5	8091.0	9715.2	11997.2	15678.2	17165.9	18327.8
22.5°	4641.2	4605.7	4611.6	5103.6	5808.9	7385.6	9175.7	12400.3	17059.3	19098.3	19880.8
25°	4439.7	4344.9	4285.6	4392.2	5032.4	6549.9	8766.7	12933.8	18547.1	20692.8	21653.1
27.5°	4333.0	4167.0	4048.5	4066.3	4534.5	6129.0	8511.8	13164.9	20023.0	22915.6	23253.5
30°	4291.5	4084.0	3912.1	3852.8	4161.1	5542.2	7966.6	13562.0	21344.8	24136.7	24427.2
32.5°	4143.3	3888.5	3722.5	3669.1	3793.6	5026.5	7575.3	13846.6	22512.6	25464.4	25363.6
35°	3971.4	3758.0	3550.6	3449.8	3538.7	4694.6	7261.2	13710.3	23887.8	26495.9	26442.5
37.5°	3953.6	3675.0	3503.1	3337.1	3331.3	4285.6	6834.4	13840.6	24765.0	28345.2	27616.1
40°	3799.5	3621.7	3396.4	3260.1	3183.1	4078.1	6419.4	13532.4	26051.3	29092.1	28374.8
42.5°	3805.5	3538.7	3343.1	3183.1	3106.0	3775.8	6135.0	13449.4	26501.7	30307.2	28730.5
45°	3710.6	3449.8	3283.8	3094.2	3052.7	3544.6	5862.2	13064.2	27296.0	30366.5	28286.0
47.5°	3615.7	3384.6	3206.8	2981.5	2886.7	3461.6	5648.9	12744.1	26881.1	29809.3	27669.5
50°	3550.6	3283.8	3117.8	2957.8	2691.1	3319.4	5370.3	12667.0	26300.2	29056.5	26525.5
52.5°	3437.9	3200.8	3029.0	2904.5	2477.6	3189.0	5263.6	13117.5	27011.5	28493.4	26193.5
55°	3331.3	3088.2	2868.9	2625.9	2299.8	2845.2	4967.2	13538.4	28048.9	29791.5	27699.1
57.5°	3218.6	2987.5	2750.4	2459.9	2128.0	2489.5	4659.0	13615.4	26104.6	27533.1	26294.3
60°	3070.5	2774.1	2596.3	2216.9	1944.2	2062.7	3692.8	12003.2	20248.3	22992.7	23034.2
62.5°	2904.5	2584.4	2430.3	1985.7	1754.5	1778.3	3011.2	10088.6	16425.1	19033.2	20165.3
65°	2685.1	2377.0	2193.2	1837.5	1618.2	1541.2	2205.0	7391.6	12477.3	15441.1	16727.3
67.5°	2400.6	2110.2	1879.0	1600.5	1446.3	1321.9	1505.6	4161.1	7367.9	10367.2	10758.3
70°	2098.4	1849.4	1606.3	1375.2	1203.3	1114.4	1102.5	1843.4	3520.9	5577.8	6348.3
72.5°	1653.8	1476.0	1280.4	1108.4	995.8	865.4	788.3	764.7	1191.4	2270.2	3135.6
75°	1185.5	1037.3	924.7	812.0	729.1	658.0	598.7	545.4	497.9	569.0	782.5
77.5°	746.8	693.5	604.6	575.0	527.5	509.7	486.1	456.4	420.9	397.1	397.1
80°	503.9	468.2	438.6	432.7	414.9	409.0	414.9	385.3	349.7	320.1	331.9
82.5°	337.9	331.9	326.0	320.1	326.0	331.9	343.8	337.9	308.3	290.4	296.4
85°	201.5	213.4	225.3	237.1	260.8	231.1	189.6	160.0	142.3	130.4	124.5
87.5°	77.0	106.7	94.8	88.9	94.8	88.9	83.0	77.0	65.2	59.3	59.3
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°	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9	18149.9
2.5°	19625.9	19744.4	19845.2	19821.5	19614.0	19335.4	19222.8	18647.8	18529.3	18452.3
5°	19892.6	20580.2	20728.4	20639.5	20100.1	19418.4	18754.6	17912.8	17420.9	17403.0
7.5°	19400.6	20248.3	20515.0	20716.5	19999.3	18813.8	17675.8	16413.2	16105.0	16128.7
10°	18149.9	19501.4	20159.4	20366.8	19542.9	18517.4	16940.8	15660.4	15002.4	14990.6
12.5°	17456.4	18517.4	18701.2	18991.7	18748.6	17711.3	16513.9	15079.5	14439.3	14427.5
15°	16840.0	17539.4	17592.8	18001.7	18132.2	17432.7	16626.6	15097.3	14581.6	14528.3
17.5°	17379.4	16893.3	16691.8	16745.2	17130.4	17385.3	17278.6	16105.0	15577.4	15281.0
20°	17741.0	16656.2	16045.7	16105.0	16561.4	17492.0	18250.7	17563.1	16727.3	16762.9
22.5°	18707.1	16691.8	15737.4	15672.2	16395.4	18049.2	19347.3	19406.6	18600.4	18404.8
25°	20153.4	17100.8	15642.6	15624.8	16318.3	18647.8	20627.6	21587.9	20764.0	20402.4
27.5°	21315.2	17741.0	15939.0	15998.3	16561.4	19133.9	21718.3	22992.7	22364.4	21919.9
30°	22334.8	18404.8	16353.9	16081.3	17213.4	19388.8	22186.5	24593.1	24089.2	23721.8
32.5°	22755.6	19347.3	17011.8	16561.4	17752.8	19697.0	23158.6	26146.1	25713.4	24806.5
35°	23466.9	19874.8	17367.5	17331.9	18695.3	20437.9	23615.0	27171.6	26993.8	26187.6
37.5°	24035.9	20408.3	18630.1	18238.8	19987.5	21682.7	24350.0	28588.2	28179.2	27799.9
40°	24474.5	21362.7	19809.7	20325.3	21576.0	22814.9	25025.8	28677.1	29856.7	28754.2
42.5°	24071.5	22216.2	21747.9	22980.8	24166.4	24107.1	25102.9	29364.7	30247.9	29673.0
45°	23970.7	23662.5	24812.4	25932.7	26205.4	25179.9	24551.6	28606.0	30129.4	29874.5
47.5°	23727.7	25085.0	27088.6	28914.2	28499.3	25897.2	23893.6	28469.6	30200.5	29744.1
50°	23644.7	25393.3	28772.0	30550.2	30301.2	26519.5	23585.4	27592.4	29696.7	29655.2
52.5°	23638.8	26027.5	29471.4	31439.3	31593.4	27503.5	24006.3	28037.0	30087.9	30437.6
55°	23905.5	25826.0	29382.5	30947.4	30888.1	27064.9	24053.7	28333.3	30568.0	30911.8
57.5°	22548.1	23134.9	24249.3	25488.1	25168.0	22417.7	21481.2	26193.5	28054.7	27805.8
60°	19471.8	17634.3	16377.6	16318.3	15695.9	14836.4	17580.9	23378.0	23378.0	23134.9
62.5°	17053.3	11576.3	9946.3	9483.9	9928.5	10918.4	16958.5	22737.8	22091.7	21813.1
65°	14913.6	8837.9	7190.1	7059.6	7830.2	9323.9	15334.4	19371.0	18232.9	17308.2
67.5°	9596.6	6472.8	5346.6	5115.4	6046.0	6846.2	10207.1	11914.2	11197.0	10835.5
70°	6188.3	4214.4	2975.6	2791.9	3153.5	4220.4	6520.2	6947.0	5903.7	5660.8
72.5°	2928.2	1819.8	1043.3	859.5	966.1	1612.3	2578.4	2774.1	2305.8	2110.2
75°	930.6	669.8	426.8	367.5	349.7	414.9	592.7	456.4	331.9	326.0
77.5°	414.9	397.1	337.9	284.5	248.9	207.5	171.9	142.3	148.2	154.1
80°	343.8	314.1	278.6	248.9	207.5	160.0	124.5	94.8	94.8	100.8
82.5°	302.3	272.6	243.0	207.5	177.8	130.4	94.8	65.2	59.3	59.3
85°	130.4	154.1	166.0	177.8	142.3	106.7	65.2	41.5	35.5	35.5
87.5°	53.3	47.4	41.5	35.5	29.7	29.7	23.7	17.8	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)