

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630781

Luminaire Tested: GWS-SA1E-735-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-735-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

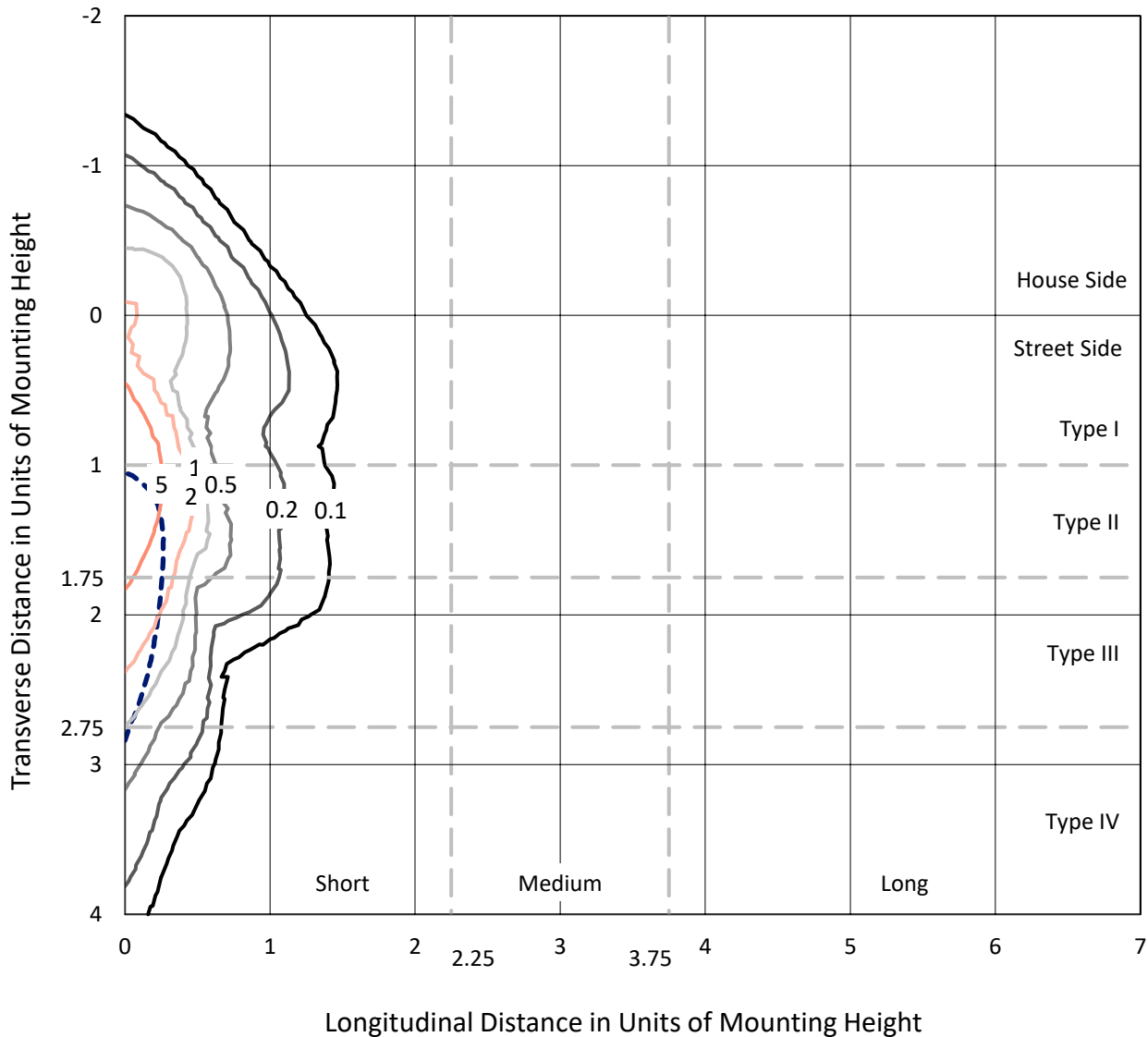
Lumens per Lamp: N/A  
Luminaire Lumens: 4525.1 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

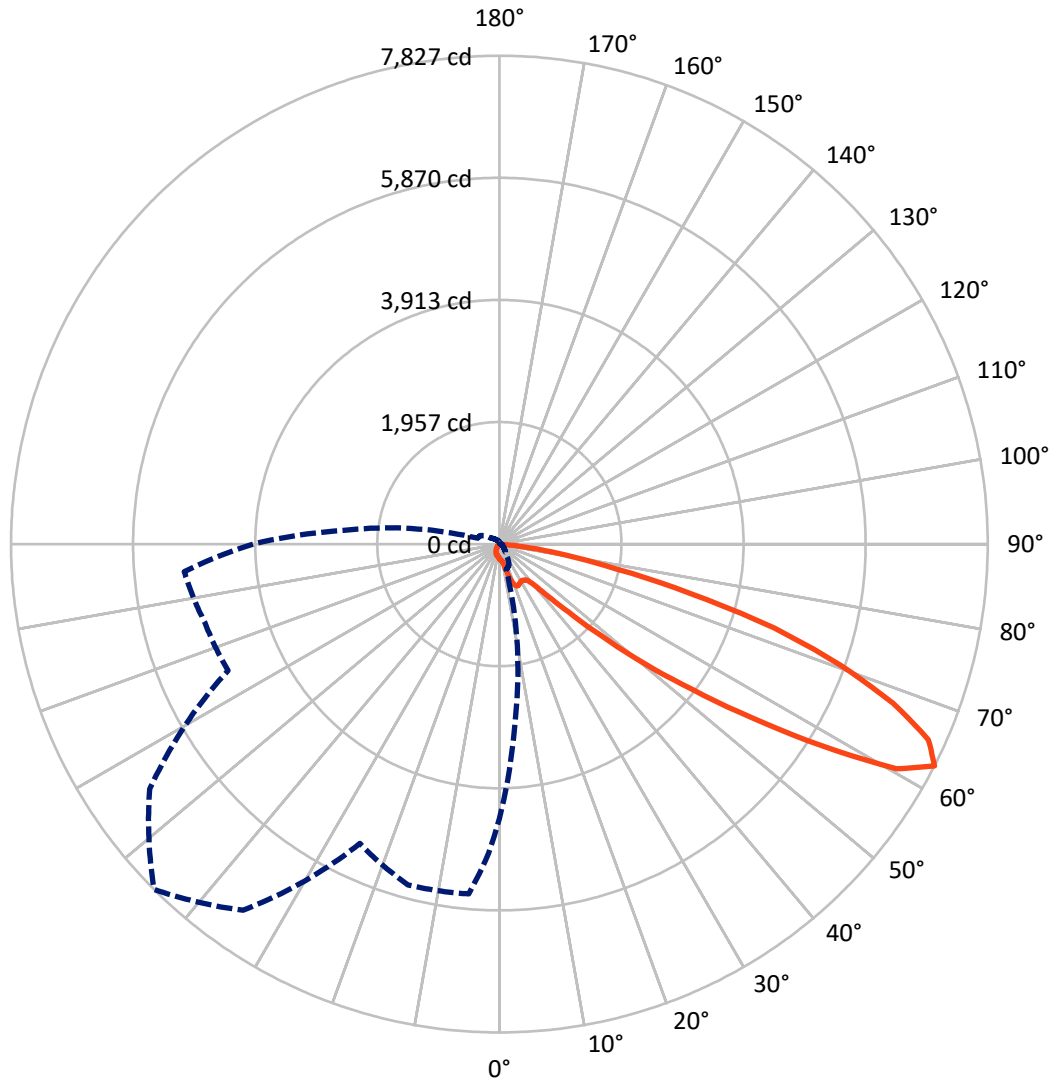
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	525.8	0.0	525.8
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	3999.3	0.0	3999.3
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	4525.1	0.0	4525.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.3	0.4
10°-20°	69.5	1.5
20°-30°	156.9	3.5
30°-40°	270.3	6.0
40°-50°	509.9	11.3
50°-60°	1138.6	25.2
60°-70°	1522.8	33.7
70°-80°	763.6	16.9
80°-90°	73.2	1.6
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°	4525.1	100.0
0°-180°	4525.1	100.0

**Coefficient of Utilization**



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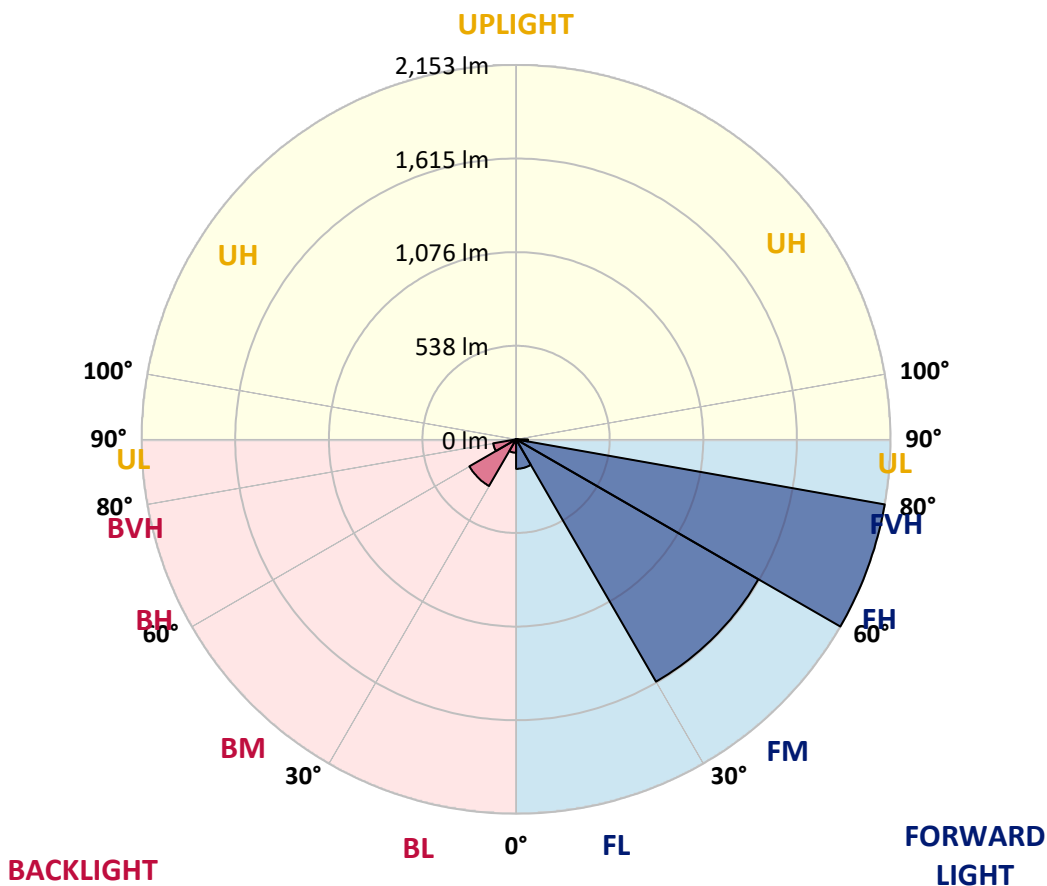
CATALOG NUMBER: GWS-SA1E-735-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.5	3.7			
FM (30°-60°)	1608.8	35.6			
FH (60°-80°)	2152.7	47.6			G2/5000
FVH (80°-90°)	68.3	1.5			G1/100
BL (0°-30°)	77.2	1.7	B0/110		
BM (30°-60°)	310.0	6.9	B1/1000		
BH (60°-80°)	133.7	3.0	B1/500		G1/500
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7
2.5°	232.0	231.5	230.4	227.2	224.5	222.9	219.7	219.7	219.1	218.1	215.9
5°	224.5	222.4	220.2	214.3	207.9	204.1	199.9	199.3	199.3	198.2	197.7
7.5°	212.7	210.6	207.9	198.2	192.4	188.6	184.8	184.3	182.7	182.7	182.7
10°	206.3	203.1	198.8	188.1	182.2	179.0	176.3	174.7	173.6	172.0	171.5
12.5°	220.2	214.3	205.2	185.9	177.9	173.6	170.4	169.3	166.1	164.0	162.3
15°	263.6	249.1	230.9	190.7	176.3	169.8	165.6	163.4	160.7	157.0	154.3
17.5°	334.9	314.0	283.4	206.3	174.7	166.6	161.3	157.5	153.8	149.5	146.3
20°	433.5	402.4	365.9	234.7	174.7	162.9	156.5	151.6	146.3	141.4	137.7
22.5°	558.8	527.8	465.6	282.9	176.8	158.1	150.6	144.1	137.7	133.4	129.1
25°	699.2	655.3	597.4	341.3	182.7	151.6	143.6	137.2	131.3	125.9	121.1
27.5°	855.7	808.0	730.8	424.3	195.6	145.2	136.1	130.2	124.8	119.5	113.1
30°	999.8	971.4	892.6	524.0	216.5	140.9	130.2	124.8	119.5	112.5	106.6
32.5°	1172.9	1122.5	1057.7	637.6	244.3	136.6	125.4	117.9	113.6	107.2	100.7
35°	1347.0	1304.1	1218.9	777.4	275.4	132.3	119.5	112.5	108.8	101.3	94.3
37.5°	1526.5	1516.8	1432.7	932.3	305.9	127.5	112.5	108.2	104.5	95.9	87.9
40°	1703.3	1685.6	1607.9	1109.1	324.7	122.2	106.6	103.9	99.7	90.0	80.9
42.5°	1872.6	1859.2	1783.7	1278.4	322.0	117.3	100.7	97.5	94.3	84.7	73.4
45°	2080.5	2058.5	1963.2	1403.8	294.7	122.7	94.8	89.5	88.9	79.8	65.9
47.5°	2469.5	2397.1	2235.3	1500.2	267.4	136.6	88.4	82.0	85.7	75.0	58.4
50°	3014.4	2929.2	2695.0	1575.2	266.8	154.8	87.3	75.0	83.0	71.3	52.0
52.5°	3562.0	3411.9	3127.4	1615.4	286.7	168.2	97.0	68.0	79.8	67.5	47.1
55°	4086.5	3775.2	3308.5	1482.5	302.2	182.7	114.7	64.3	73.9	63.2	44.5
57.5°	4586.4	4067.2	3387.3	1172.9	354.2	188.6	125.4	65.9	65.4	57.9	42.3
60°	4655.0	4053.3	3228.2	682.1	390.6	178.4	121.1	73.4	57.3	51.4	38.6
62.5°	4395.7	3783.8	2865.4	425.4	362.7	174.7	107.7	83.6	52.0	45.5	33.8
65°	4001.9	3361.0	2389.1	274.3	274.9	194.0	94.3	82.0	48.8	40.2	28.9
67.5°	3386.2	2812.9	1882.2	183.8	155.4	165.6	82.5	56.3	47.7	34.3	22.5
70°	2471.6	2002.3	1225.4	122.7	92.7	132.3	69.1	40.2	45.0	28.4	16.1
72.5°	1806.7	1345.4	684.2	80.4	52.5	77.2	50.9	28.9	34.8	20.9	11.3
75°	1300.4	925.9	390.6	51.4	34.8	42.3	33.2	19.8	22.5	16.6	10.2
77.5°	625.8	451.1	177.3	28.4	23.6	21.4	17.7	12.3	13.9	15.0	9.1
80°	23.6	17.7	13.4	13.9	15.0	9.6	8.0	6.4	8.0	10.2	4.8
82.5°	0.0	0.0	0.0	1.6	2.1	2.7	3.2	2.7	3.2	3.8	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7
2.5°	217.5	216.5	217.5	218.6	219.7	220.7	219.1	220.2	221.3	218.6	219.7
5°	200.4	199.9	203.1	204.7	206.8	207.9	206.8	206.8	206.3	203.1	203.1
7.5°	185.4	185.9	188.6	192.4	195.0	196.6	195.6	195.0	193.4	188.6	188.6
10°	174.1	174.1	178.4	181.6	185.4	187.0	185.9	184.3	182.7	177.9	177.3
12.5°	165.0	165.0	168.2	173.6	177.9	180.0	179.5	177.3	174.7	169.8	169.3
15°	156.5	155.9	160.7	165.6	171.5	174.1	173.1	171.5	166.6	162.3	161.3
17.5°	147.9	147.3	151.6	158.1	164.5	168.2	167.7	164.0	159.7	154.3	153.2
20°	139.3	138.2	143.6	150.0	156.5	160.2	159.1	155.9	150.6	145.2	144.1
22.5°	130.7	130.2	133.9	139.3	145.2	148.4	147.9	145.2	139.8	135.0	135.0
25°	121.1	121.1	123.8	127.5	131.8	133.4	133.9	132.9	129.7	127.0	127.0
27.5°	113.1	111.4	112.5	113.6	115.7	118.4	118.4	119.5	120.0	118.9	119.5
30°	106.6	103.9	102.3	100.2	99.1	100.2	101.3	105.0	108.8	110.9	112.0
32.5°	99.1	95.9	91.6	85.7	82.0	80.9	84.1	91.1	98.1	102.9	105.6
35°	91.6	87.3	79.3	70.7	65.9	64.3	68.0	76.1	86.3	94.8	98.6
37.5°	84.1	78.2	67.0	56.8	51.4	50.4	54.1	62.7	74.5	86.3	91.1
40°	75.5	68.6	55.2	44.5	40.2	39.1	42.3	50.9	63.2	76.6	84.1
42.5°	67.0	58.4	44.5	35.4	31.1	31.1	35.4	41.8	53.0	67.5	76.6
45°	58.4	49.3	36.4	28.4	25.7	26.3	28.9	35.4	44.5	59.5	68.0
47.5°	50.4	42.3	30.0	23.6	21.4	22.0	25.2	30.5	38.0	51.4	60.5
50°	43.4	35.9	26.3	19.8	18.2	19.3	22.5	27.3	33.8	45.5	53.0
52.5°	39.1	32.1	24.1	17.1	16.1	17.1	20.4	24.6	30.5	40.2	47.7
55°	37.0	31.6	24.1	15.5	13.9	15.0	18.2	22.5	27.3	36.4	42.9
57.5°	36.4	32.7	25.7	13.9	11.8	12.9	16.1	20.4	25.2	33.2	38.6
60°	34.3	31.1	25.2	11.3	9.1	10.7	13.4	17.7	23.0	31.1	35.9
62.5°	30.0	27.3	22.0	9.1	7.0	8.0	11.3	15.5	20.9	28.4	33.8
65°	24.6	22.0	17.1	5.9	4.3	5.4	8.6	13.4	18.2	25.7	30.5
67.5°	18.2	15.5	11.8	3.8	2.1	3.8	7.0	11.3	16.6	23.0	27.9
70°	11.3	9.1	6.4	2.1	1.6	3.2	6.4	10.7	15.0	21.4	26.3
72.5°	6.4	4.3	2.7	1.1	1.6	3.2	6.4	10.7	14.5	20.4	24.6
75°	4.8	2.7	1.1	0.5	1.1	2.7	5.9	9.6	13.9	19.3	23.6
77.5°	3.2	1.6	0.5	0.0	0.5	2.1	5.4	9.1	12.9	18.2	22.5
80°	0.5	0.0	0.0	0.0	0.0	1.6	4.8	8.0	11.8	16.1	19.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	3.8	7.0	10.2	13.4	16.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.4	8.0	10.2	11.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.4	6.4	7.5
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°	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7
2.5°	219.1	222.4	222.4	224.5	227.2	232.0	234.7	238.4	241.1	243.8	244.9
5°	202.5	203.1	203.6	204.7	207.9	213.2	218.1	224.0	230.9	236.3	239.5
7.5°	188.6	188.6	188.6	190.2	193.4	197.2	202.0	210.0	218.1	224.5	229.9
10°	176.8	178.4	179.0	181.6	185.4	190.2	195.6	202.5	211.6	220.2	229.9
12.5°	169.3	170.9	173.6	176.3	180.0	185.4	191.3	200.4	219.1	236.8	257.2
15°	162.3	164.5	167.7	171.5	175.7	181.6	188.1	206.8	250.8	284.0	316.1
17.5°	154.8	158.1	162.3	166.1	171.5	177.9	185.9	222.4	308.6	363.8	418.5
20°	145.2	149.5	154.3	160.2	166.6	174.1	185.9	254.5	392.2	471.5	543.8
22.5°	136.1	140.4	146.3	153.8	161.3	168.8	188.6	303.3	499.9	600.1	691.7
25°	128.6	133.9	139.8	146.3	154.8	163.4	195.0	371.8	629.6	758.7	823.5
27.5°	121.6	128.1	133.9	139.3	146.8	156.5	209.5	463.5	782.8	914.1	965.0
30°	114.7	122.2	128.1	133.4	140.9	151.1	231.5	580.3	953.2	1080.7	1086.1
32.5°	108.8	115.7	122.7	128.1	135.0	146.8	262.0	716.9	1127.8	1251.1	1200.7
35°	102.3	110.4	116.8	122.7	130.2	143.1	297.4	864.2	1304.1	1407.5	1314.8
37.5°	95.9	105.0	113.1	117.3	124.8	139.3	323.1	1018.0	1484.2	1560.2	1415.0
40°	90.0	100.2	109.3	113.6	117.3	134.5	326.8	1175.5	1666.9	1710.8	1509.3
42.5°	83.6	94.8	102.9	108.8	112.0	131.3	304.3	1308.4	1820.1	1860.8	1632.6
45°	76.6	90.0	96.4	100.7	107.2	133.4	275.4	1411.3	1995.3	2065.5	1835.6
47.5°	69.7	84.7	90.0	93.2	101.8	146.3	264.7	1479.9	2284.1	2429.8	2178.0
50°	63.2	79.8	85.7	85.2	100.7	162.9	276.5	1531.8	2718.1	2889.5	2647.4
52.5°	56.3	74.5	81.4	79.3	108.8	175.7	300.0	1573.1	3051.9	3428.6	3278.0
55°	50.4	68.6	75.0	74.5	123.8	185.4	318.3	1355.6	3190.1	3929.5	3988.5
57.5°	46.1	62.2	67.5	76.6	133.4	185.4	368.1	962.3	3192.8	4298.1	4931.5
60°	42.3	56.3	60.0	84.1	129.7	175.7	364.3	589.4	2942.6	4273.0	5433.0
62.5°	39.1	50.9	55.7	86.3	114.7	174.1	329.0	365.4	2509.7	3947.7	5069.2
65°	36.4	46.6	53.6	79.3	103.9	186.5	221.8	262.5	2035.5	3577.0	4651.8
67.5°	33.8	42.9	56.8	64.8	94.3	166.6	160.2	186.5	1597.7	3170.3	4268.7
70°	31.6	40.7	60.0	53.0	82.5	130.2	113.6	141.4	1223.2	2645.2	3729.1
72.5°	30.0	38.0	50.4	41.8	67.0	100.7	79.3	102.9	799.4	2065.0	3040.1
75°	28.4	34.8	37.0	33.8	49.8	65.9	60.0	69.1	476.3	1509.3	2306.6
77.5°	27.9	32.7	30.0	27.3	33.8	39.1	45.5	46.6	232.5	754.9	1208.8
80°	24.6	29.5	25.7	22.5	23.0	25.7	33.8	31.1	53.0	191.8	322.5
82.5°	19.3	23.0	21.4	18.8	18.8	18.8	22.5	20.9	17.1	86.3	145.7
85°	13.4	16.1	16.1	15.0	14.5	14.5	13.9	13.4	4.8	5.4	8.0
87.5°	9.1	11.3	11.8	11.3	9.6	8.6	7.5	6.4	2.1	0.0	1.1
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°	358°	360°
0°	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7
2.5°	248.6	250.2	250.2	248.1	246.5	242.2	237.9	233.6	232.5	232.0
5°	248.6	255.0	258.3	257.7	254.0	247.0	237.9	228.2	225.6	224.5
7.5°	244.9	257.2	266.8	268.4	261.5	249.1	232.5	218.1	214.3	212.7
10°	253.4	277.5	296.8	299.5	291.5	267.4	240.6	215.9	210.0	206.3
12.5°	299.5	339.2	362.7	374.0	358.4	327.9	283.4	239.5	226.1	220.2
15°	392.7	449.0	494.0	494.0	479.5	425.4	369.2	297.9	279.7	263.6
17.5°	512.2	582.9	622.6	618.3	596.3	558.3	490.8	388.5	351.5	334.9
20°	648.3	690.6	699.7	697.1	687.4	665.5	618.8	509.0	459.2	433.5
22.5°	766.2	754.9	741.5	730.8	728.1	734.6	728.1	643.5	604.4	558.8
25°	846.0	782.3	742.1	722.8	731.9	768.9	809.1	777.4	746.4	699.2
27.5°	889.4	779.0	721.2	701.4	716.9	769.4	856.7	910.3	878.2	855.7
30°	913.0	776.4	707.8	688.5	712.1	778.0	890.0	1034.6	1035.7	999.8
32.5°	946.7	793.5	710.5	692.8	724.4	803.7	931.7	1161.1	1192.1	1172.9
35°	984.8	819.8	722.8	706.7	745.8	838.0	978.4	1288.6	1353.4	1347.0
37.5°	1020.7	849.2	751.7	736.2	778.5	867.5	1023.4	1414.0	1504.0	1526.5
40°	1058.2	890.5	840.7	855.7	879.2	914.1	1063.6	1522.7	1669.5	1703.3
42.5°	1146.6	1033.5	1109.6	1138.0	1141.2	1069.4	1151.4	1662.0	1832.4	1872.6
45°	1343.8	1288.1	1506.1	1546.3	1525.4	1307.9	1363.1	1863.0	2060.1	2080.5
47.5°	1592.9	1618.6	2048.9	2187.7	2062.3	1589.2	1619.7	2285.7	2477.0	2469.5
50°	1883.3	2004.9	2665.0	2992.4	2692.4	1954.6	1915.5	2805.4	3037.4	3014.4
52.5°	2226.8	2453.9	3405.5	3870.6	3586.6	2365.5	2349.5	3493.9	3635.4	3562.0
55°	2659.2	2887.4	4257.4	4907.3	4503.4	2867.0	2922.2	4292.3	4319.6	4086.5
57.5°	3304.2	3452.7	5261.5	6096.3	5460.3	3548.6	3948.8	5354.7	5027.9	4586.4
60°	4475.5	4179.7	6231.8	7312.5	6478.3	4507.1	5302.8	5984.3	5263.6	4655.0
62.5°	4883.2	4797.0	6839.4	7826.9	7163.0	5294.2	5654.8	5627.5	4958.2	4395.7
65°	4265.5	4643.2	6730.7	7555.2	7075.2	5164.5	5074.5	5233.6	4614.3	4001.9
67.5°	3940.2	4282.1	6318.6	6805.7	6588.1	4724.6	4523.2	4479.8	3873.8	3386.2
70°	3612.3	3951.0	5721.2	5781.8	5680.5	4007.7	3743.1	3452.1	2895.4	2471.6
72.5°	3218.0	3404.4	4892.3	4605.2	4490.5	3147.8	3092.1	2599.7	2170.5	1806.7
75°	2806.5	2752.4	3814.3	3160.7	3246.4	2449.1	2611.5	1909.0	1590.2	1300.4
77.5°	2041.4	2001.2	2554.7	1919.8	2126.0	1604.2	1441.3	761.9	725.5	625.8
80°	1139.1	1373.2	1379.7	1075.9	1342.2	1045.9	360.6	25.2	16.1	23.6
82.5°	529.4	590.4	748.0	498.8	765.7	518.1	74.5	0.0	0.0	0.0
85°	171.5	250.8	210.0	73.4	185.4	175.2	12.3	0.0	0.0	0.0
87.5°	10.2	20.9	5.4	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

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