

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: P634246

Luminaire Tested: GWS-SA3B-735-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634246  
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-SA3B-735-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

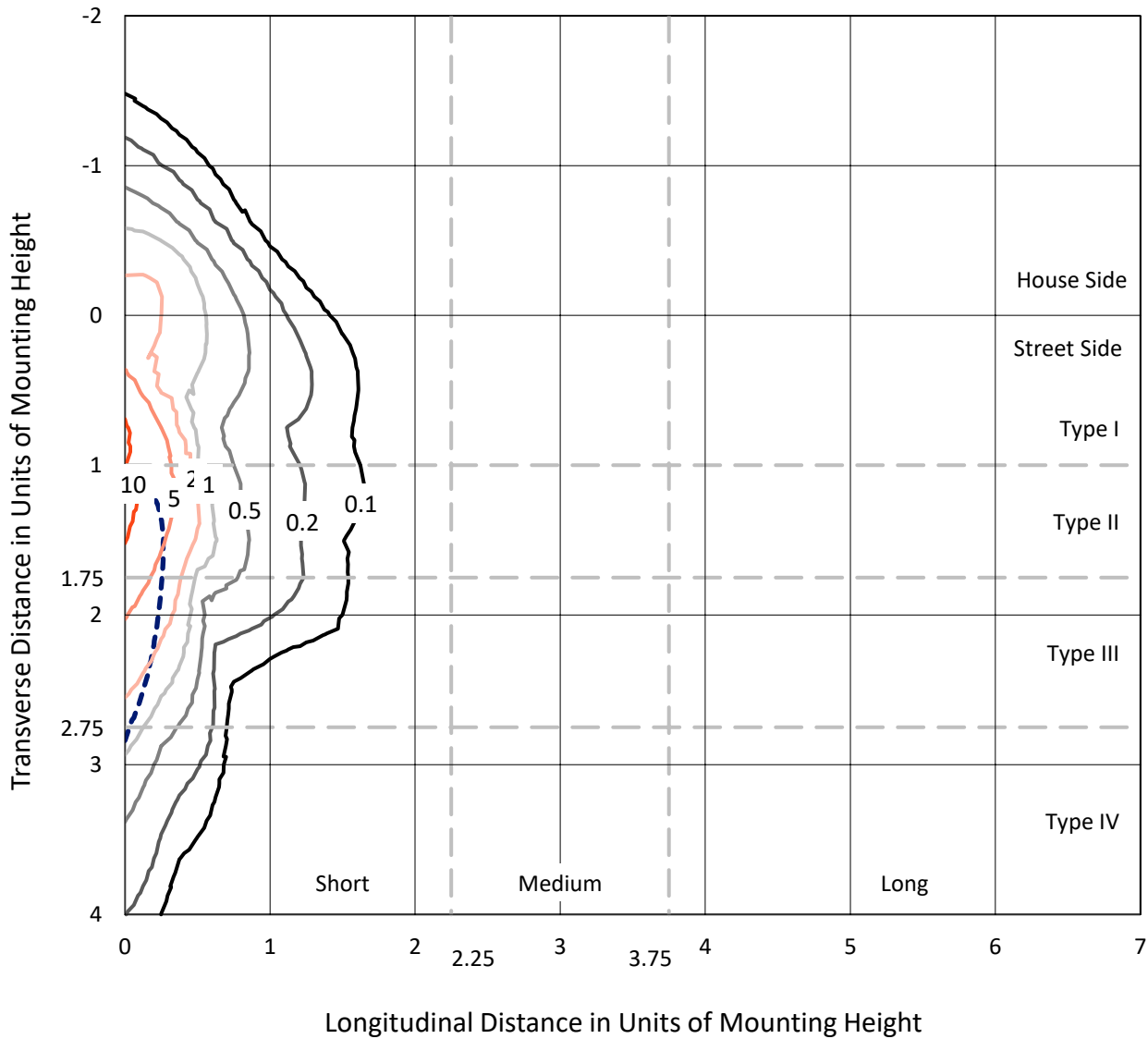
Lumens per Lamp: N/A  
Luminaire Lumens: 6211.5 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

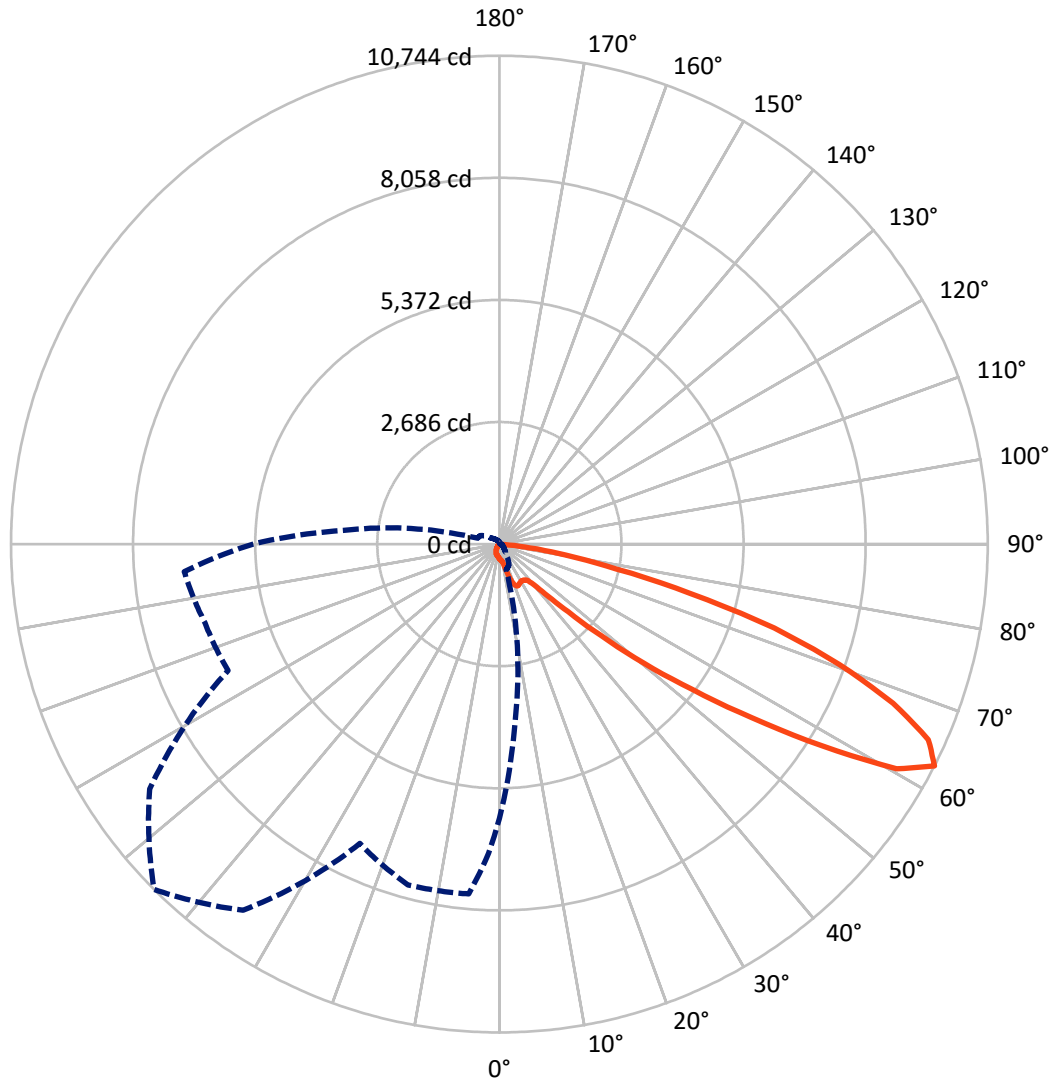
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 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	721.7	0.0	721.7
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	5489.8	0.0	5489.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	6211.5	0.0	6211.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.8	0.4
10°-20°	95.3	1.5
20°-30°	215.4	3.5
30°-40°	371.1	6.0
40°-50°	700.0	11.3
50°-60°	1562.9	25.2
60°-70°	2090.3	33.7
70°-80°	1048.2	16.9
80°-90°	100.5	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°	6211.5	100.0
0°-180°	6211.5	100.0

**Coefficient of Utilization**



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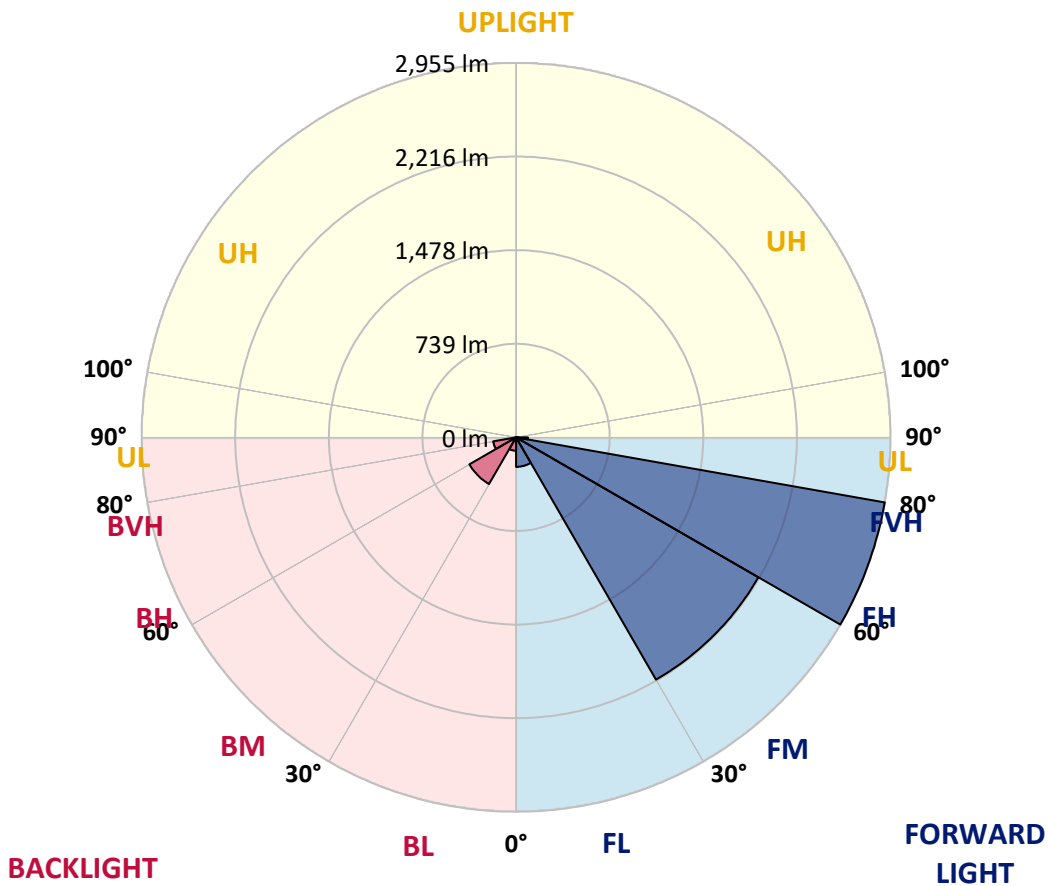
CATALOG NUMBER: GWS-SA3B-735-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.6	3.7			
FM (30°-60°)	2208.4	35.6			
FH (60°-80°)	2955.0	47.6			G2/5000
FVH (80°-90°)	93.8	1.5			G1/100
BL (0°-30°)	105.9	1.7	B0/110		
BM (30°-60°)	425.6	6.9	B1/1000		
BH (60°-80°)	183.5	3.0	B1/500		G1/500
BVH (80°-90°)	6.7	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°	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
2.5°	318.5	317.7	316.3	311.8	308.2	306.0	301.5	301.5	300.8	299.3	296.4
5°	308.2	305.2	302.3	294.2	285.4	280.2	274.3	273.6	273.6	272.1	271.4
7.5°	292.0	289.0	285.4	272.1	264.0	258.9	253.7	253.0	250.8	250.8	250.8
10°	283.2	278.7	272.9	258.2	250.1	245.6	242.0	239.8	238.3	236.1	235.4
12.5°	302.3	294.2	281.7	255.2	244.2	238.3	233.9	232.4	228.0	225.1	222.8
15°	361.9	342.0	317.0	261.8	242.0	233.1	227.3	224.3	220.6	215.5	211.8
17.5°	459.7	431.0	389.1	283.2	239.8	228.7	221.4	216.2	211.1	205.2	200.8
20°	595.0	552.3	502.3	322.1	239.8	223.6	214.8	208.1	200.8	194.2	189.0
22.5°	767.1	724.4	639.1	388.3	242.7	217.0	206.7	197.8	189.0	183.1	177.2
25°	959.8	899.5	820.1	468.5	250.8	208.1	197.1	188.3	180.2	172.8	166.2
27.5°	1174.6	1109.1	1003.2	582.5	268.4	199.3	186.8	178.7	171.4	164.0	155.2
30°	1372.4	1333.4	1225.3	719.3	297.1	193.4	178.7	171.4	164.0	154.4	146.4
32.5°	1610.0	1540.8	1451.8	875.2	335.4	187.5	172.1	161.8	155.9	147.1	138.3
35°	1849.0	1790.1	1673.2	1067.2	378.0	181.7	164.0	154.4	149.3	139.0	129.4
37.5°	2095.4	2082.1	1966.7	1279.7	420.0	175.0	154.4	148.6	143.4	131.6	120.6
40°	2338.1	2313.8	2207.2	1522.4	445.7	167.7	146.4	142.7	136.8	123.6	111.1
42.5°	2570.5	2552.1	2448.4	1754.8	442.0	161.1	138.3	133.9	129.4	116.2	100.8
45°	2855.8	2825.7	2694.8	1926.9	404.5	168.4	130.2	122.8	122.1	109.6	90.5
47.5°	3389.8	3290.5	3068.4	2059.3	367.0	187.5	121.4	112.5	117.7	103.0	80.2
50°	4137.8	4020.8	3699.4	2162.3	366.3	212.6	119.9	103.0	114.0	97.8	71.3
52.5°	4889.4	4683.5	4293.0	2217.5	393.5	230.9	133.1	93.4	109.6	92.7	64.7
55°	5609.5	5182.1	4541.5	2035.1	414.8	250.8	157.4	88.3	101.5	86.8	61.0
57.5°	6295.7	5583.0	4649.7	1610.0	486.1	258.9	172.1	90.5	89.7	79.4	58.1
60°	6389.8	5563.9	4431.2	936.3	536.2	244.9	166.2	100.8	78.7	70.6	53.0
62.5°	6033.8	5193.9	3933.3	584.0	497.9	239.8	147.8	114.7	71.3	62.5	46.3
65°	5493.3	4613.6	3279.5	376.6	377.3	266.2	129.4	112.5	66.9	55.2	39.7
67.5°	4648.2	3861.2	2583.7	252.3	213.3	227.3	113.3	77.2	65.5	47.1	30.9
70°	3392.7	2748.5	1682.0	168.4	127.2	181.7	94.9	55.2	61.8	39.0	22.1
72.5°	2480.0	1846.8	939.2	110.3	72.1	105.9	69.9	39.7	47.8	28.7	15.4
75°	1785.0	1270.9	536.2	70.6	47.8	58.1	45.6	27.2	30.9	22.8	14.0
77.5°	859.0	619.3	243.4	39.0	32.4	29.4	24.3	16.9	19.1	20.6	12.5
80°	32.4	24.3	18.4	19.1	20.6	13.2	11.0	8.8	11.0	14.0	6.6
82.5°	0.0	0.0	0.0	2.2	2.9	3.7	4.4	3.7	4.4	5.1	0.7
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°	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
2.5°	298.6	297.1	298.6	300.1	301.5	303.0	300.8	302.3	303.8	300.1	301.5
5°	275.1	274.3	278.7	281.0	283.9	285.4	283.9	283.9	283.2	278.7	278.7
7.5°	254.5	255.2	258.9	264.0	267.7	269.9	268.4	267.7	265.5	258.9	258.9
10°	239.0	239.0	244.9	249.3	254.5	256.7	255.2	253.0	250.8	244.2	243.4
12.5°	226.5	226.5	230.9	238.3	244.2	247.1	246.4	243.4	239.8	233.1	232.4
15°	214.8	214.0	220.6	227.3	235.4	239.0	237.6	235.4	228.7	222.8	221.4
17.5°	203.0	202.3	208.1	217.0	225.8	230.9	230.2	225.1	219.2	211.8	210.3
20°	191.2	189.8	197.1	205.9	214.8	219.9	218.4	214.0	206.7	199.3	197.8
22.5°	179.5	178.7	183.9	191.2	199.3	203.7	203.0	199.3	192.0	185.3	185.3
25°	166.2	166.2	169.9	175.0	180.9	183.1	183.9	182.4	178.0	174.3	174.3
27.5°	155.2	153.0	154.4	155.9	158.9	162.5	162.5	164.0	164.7	163.3	164.0
30°	146.4	142.7	140.5	137.5	136.1	137.5	139.0	144.2	149.3	152.2	153.7
32.5°	136.1	131.6	125.8	117.7	112.5	111.1	115.5	125.0	134.6	141.2	144.9
35°	125.8	119.9	108.9	97.1	90.5	88.3	93.4	104.4	118.4	130.2	135.3
37.5°	115.5	107.4	91.9	78.0	70.6	69.1	74.3	86.1	102.2	118.4	125.0
40°	103.7	94.1	75.8	61.0	55.2	53.7	58.1	69.9	86.8	105.2	115.5
42.5°	91.9	80.2	61.0	48.5	42.7	42.7	48.5	57.4	72.8	92.7	105.2
45°	80.2	67.7	50.0	39.0	35.3	36.0	39.7	48.5	61.0	81.6	93.4
47.5°	69.1	58.1	41.2	32.4	29.4	30.2	34.6	41.9	52.2	70.6	83.1
50°	59.6	49.3	36.0	27.2	25.0	26.5	30.9	37.5	46.3	62.5	72.8
52.5°	53.7	44.1	33.1	23.5	22.1	23.5	27.9	33.8	41.9	55.2	65.5
55°	50.7	43.4	33.1	21.3	19.1	20.6	25.0	30.9	37.5	50.0	58.8
57.5°	50.0	44.9	35.3	19.1	16.2	17.7	22.1	27.9	34.6	45.6	53.0
60°	47.1	42.7	34.6	15.4	12.5	14.7	18.4	24.3	31.6	42.7	49.3
62.5°	41.2	37.5	30.2	12.5	9.6	11.0	15.4	21.3	28.7	39.0	46.3
65°	33.8	30.2	23.5	8.1	5.9	7.4	11.8	18.4	25.0	35.3	41.9
67.5°	25.0	21.3	16.2	5.1	2.9	5.1	9.6	15.4	22.8	31.6	38.2
70°	15.4	12.5	8.8	2.9	2.2	4.4	8.8	14.7	20.6	29.4	36.0
72.5°	8.8	5.9	3.7	1.5	2.2	4.4	8.8	14.7	19.9	27.9	33.8
75°	6.6	3.7	1.5	0.7	1.5	3.7	8.1	13.2	19.1	26.5	32.4
77.5°	4.4	2.2	0.7	0.0	0.7	2.9	7.4	12.5	17.7	25.0	30.9
80°	0.7	0.0	0.0	0.0	0.0	2.2	6.6	11.0	16.2	22.1	27.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	5.1	9.6	14.0	18.4	22.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.4	11.0	14.0	15.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	7.4	8.8	10.3
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
2.5°	300.8	305.2	305.2	308.2	311.8	318.5	322.1	327.3	331.0	334.6	336.1
5°	278.0	278.7	279.5	281.0	285.4	292.7	299.3	307.4	317.0	324.3	328.8
7.5°	258.9	258.9	258.9	261.1	265.5	270.7	277.3	288.3	299.3	308.2	315.5
10°	242.7	244.9	245.6	249.3	254.5	261.1	268.4	278.0	290.5	302.3	315.5
12.5°	232.4	234.6	238.3	242.0	247.1	254.5	262.6	275.1	300.8	325.1	353.0
15°	222.8	225.8	230.2	235.4	241.2	249.3	258.2	283.9	344.2	389.8	433.9
17.5°	212.6	217.0	222.8	228.0	235.4	244.2	255.2	305.2	423.6	499.4	574.4
20°	199.3	205.2	211.8	219.9	228.7	239.0	255.2	349.3	538.4	647.2	746.5
22.5°	186.8	192.7	200.8	211.1	221.4	231.7	258.9	416.3	686.2	823.7	949.5
25°	176.5	183.9	192.0	200.8	212.6	224.3	267.7	510.4	864.2	1041.4	1130.4
27.5°	167.0	175.8	183.9	191.2	201.5	214.8	287.6	636.2	1074.5	1254.7	1324.6
30°	157.4	167.7	175.8	183.1	193.4	207.4	317.7	796.5	1308.4	1483.4	1490.8
32.5°	149.3	158.9	168.4	175.8	185.3	201.5	359.6	984.1	1548.2	1717.3	1648.2
35°	140.5	151.5	160.3	168.4	178.7	196.4	408.2	1186.3	1790.1	1932.1	1804.9
37.5°	131.6	144.2	155.2	161.1	171.4	191.2	443.5	1397.4	2037.3	2141.7	1942.4
40°	123.6	137.5	150.0	155.9	161.1	184.6	448.6	1613.6	2288.1	2348.4	2071.8
42.5°	114.7	130.2	141.2	149.3	153.7	180.2	417.7	1796.0	2498.4	2554.3	2241.0
45°	105.2	123.6	132.4	138.3	147.1	183.1	378.0	1937.2	2738.9	2835.2	2519.7
47.5°	95.6	116.2	123.6	128.0	139.7	200.8	363.3	2031.4	3135.3	3335.4	2989.7
50°	86.8	109.6	117.7	116.9	138.3	223.6	379.5	2102.7	3731.1	3966.4	3634.0
52.5°	77.2	102.2	111.8	108.9	149.3	241.2	411.9	2159.3	4189.3	4706.3	4499.6
55°	69.1	94.1	103.0	102.2	169.9	254.5	436.9	1860.7	4379.0	5394.0	5474.9
57.5°	63.3	85.3	92.7	105.2	183.1	254.5	505.3	1320.9	4382.7	5900.0	6769.3
60°	58.1	77.2	82.4	115.5	178.0	241.2	500.1	809.0	4039.2	5865.4	7457.7
62.5°	53.7	69.9	76.5	118.4	157.4	239.0	451.6	501.6	3445.0	5419.0	6958.3
65°	50.0	64.0	73.5	108.9	142.7	255.9	304.5	360.4	2794.1	4910.0	6385.4
67.5°	46.3	58.8	78.0	89.0	129.4	228.7	219.9	255.9	2193.2	4351.8	5859.5
70°	43.4	55.9	82.4	72.8	113.3	178.7	155.9	194.2	1679.1	3631.0	5118.9
72.5°	41.2	52.2	69.1	57.4	91.9	138.3	108.9	141.2	1097.3	2834.5	4173.1
75°	39.0	47.8	50.7	46.3	68.4	90.5	82.4	94.9	653.8	2071.8	3166.2
77.5°	38.2	44.9	41.2	37.5	46.3	53.7	62.5	64.0	319.2	1036.3	1659.2
80°	33.8	40.5	35.3	30.9	31.6	35.3	46.3	42.7	72.8	263.3	442.8
82.5°	26.5	31.6	29.4	25.7	25.7	25.7	30.9	28.7	23.5	118.4	200.0
85°	18.4	22.1	22.1	20.6	19.9	19.9	19.1	18.4	6.6	7.4	11.0
87.5°	12.5	15.4	16.2	15.4	13.2	11.8	10.3	8.8	2.9	0.0	1.5
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
2.5°	341.3	343.5	343.5	340.5	338.3	332.4	326.6	320.7	319.2	318.5
5°	341.3	350.1	354.5	353.8	348.6	339.1	326.6	313.3	309.6	308.2
7.5°	336.1	353.0	366.3	368.5	358.9	342.0	319.2	299.3	294.2	292.0
10°	347.9	381.0	407.5	411.1	400.1	367.0	330.2	296.4	288.3	283.2
12.5°	411.1	465.6	497.9	513.4	492.0	450.1	389.1	328.8	310.4	302.3
15°	539.1	616.3	678.1	678.1	658.2	584.0	506.7	408.9	383.9	361.9
17.5°	703.1	800.2	854.6	848.7	818.6	766.4	673.7	533.2	482.5	459.7
20°	889.9	948.0	960.5	956.9	943.6	913.5	849.5	698.7	630.3	595.0
22.5°	1051.7	1036.3	1017.9	1003.2	999.5	1008.3	999.5	883.3	829.6	767.1
25°	1161.3	1073.8	1018.6	992.2	1004.7	1055.4	1110.6	1067.2	1024.5	959.8
27.5°	1220.9	1069.4	989.9	962.7	984.1	1056.1	1176.0	1249.6	1205.4	1174.6
30°	1253.2	1065.7	971.6	945.1	977.4	1067.9	1221.6	1420.2	1421.7	1372.4
32.5°	1299.6	1089.2	975.2	951.0	994.4	1103.2	1279.0	1593.8	1636.4	1610.0
35°	1351.8	1125.3	992.2	970.1	1023.8	1150.3	1343.0	1768.8	1857.8	1849.0
37.5°	1401.1	1165.7	1031.9	1010.5	1068.6	1190.7	1404.8	1940.9	2064.5	2095.4
40°	1452.6	1222.4	1154.0	1174.6	1206.9	1254.7	1459.9	2090.2	2291.7	2338.1
42.5°	1573.9	1418.7	1523.2	1562.1	1566.6	1468.0	1580.5	2281.4	2515.3	2570.5
45°	1844.6	1768.1	2067.4	2122.6	2093.9	1795.3	1871.0	2557.2	2827.9	2855.8
47.5°	2186.6	2221.9	2812.4	3002.9	2830.8	2181.4	2223.3	3137.5	3400.1	3389.8
50°	2585.2	2752.1	3658.2	4107.6	3695.8	2683.0	2629.3	3850.9	4169.4	4137.8
52.5°	3056.6	3368.5	4674.7	5313.1	4923.3	3247.1	3225.1	4796.0	4990.2	4889.4
55°	3650.2	3963.5	5844.1	6736.2	6181.7	3935.5	4011.3	5891.9	5929.4	5609.5
57.5°	4535.7	4739.4	7222.3	8368.2	7495.2	4871.0	5420.4	7350.3	6901.7	6295.7
60°	6143.4	5737.4	8554.3	10037.7	8892.6	6186.8	7279.0	8214.5	7225.3	6389.8
62.5°	6703.1	6584.7	9388.3	10743.8	9832.5	7267.2	7762.2	7724.7	6806.1	6033.8
65°	5855.1	6373.6	9239.0	10370.9	9711.9	7089.2	6965.7	7184.1	6333.9	5493.3
67.5°	5408.7	5877.9	8673.4	9342.0	9043.4	6485.4	6208.9	6149.3	5317.5	4648.2
70°	4958.6	5423.4	7853.4	7936.5	7797.5	5501.3	5138.0	4738.7	3974.5	3392.7
72.5°	4417.3	4673.2	6715.6	6321.4	6164.0	4320.9	4244.4	3568.5	2979.4	2480.0
75°	3852.4	3778.1	5235.8	4338.6	4456.2	3361.8	3584.7	2620.5	2182.9	1785.0
77.5°	2802.2	2747.0	3506.7	2635.2	2918.4	2202.0	1978.4	1045.8	995.8	859.0
80°	1563.6	1885.0	1893.8	1476.8	1842.4	1435.6	495.0	34.6	22.1	32.4
82.5°	726.6	810.5	1026.7	684.7	1051.0	711.2	102.2	0.0	0.0	0.0
85°	235.4	344.2	288.3	100.8	254.5	240.5	16.9	0.0	0.0	0.0
87.5°	14.0	28.7	7.4	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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