

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: P630286

Luminaire Tested: GWS-SA1D-735-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630286
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-SA1D-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: 3621.1 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

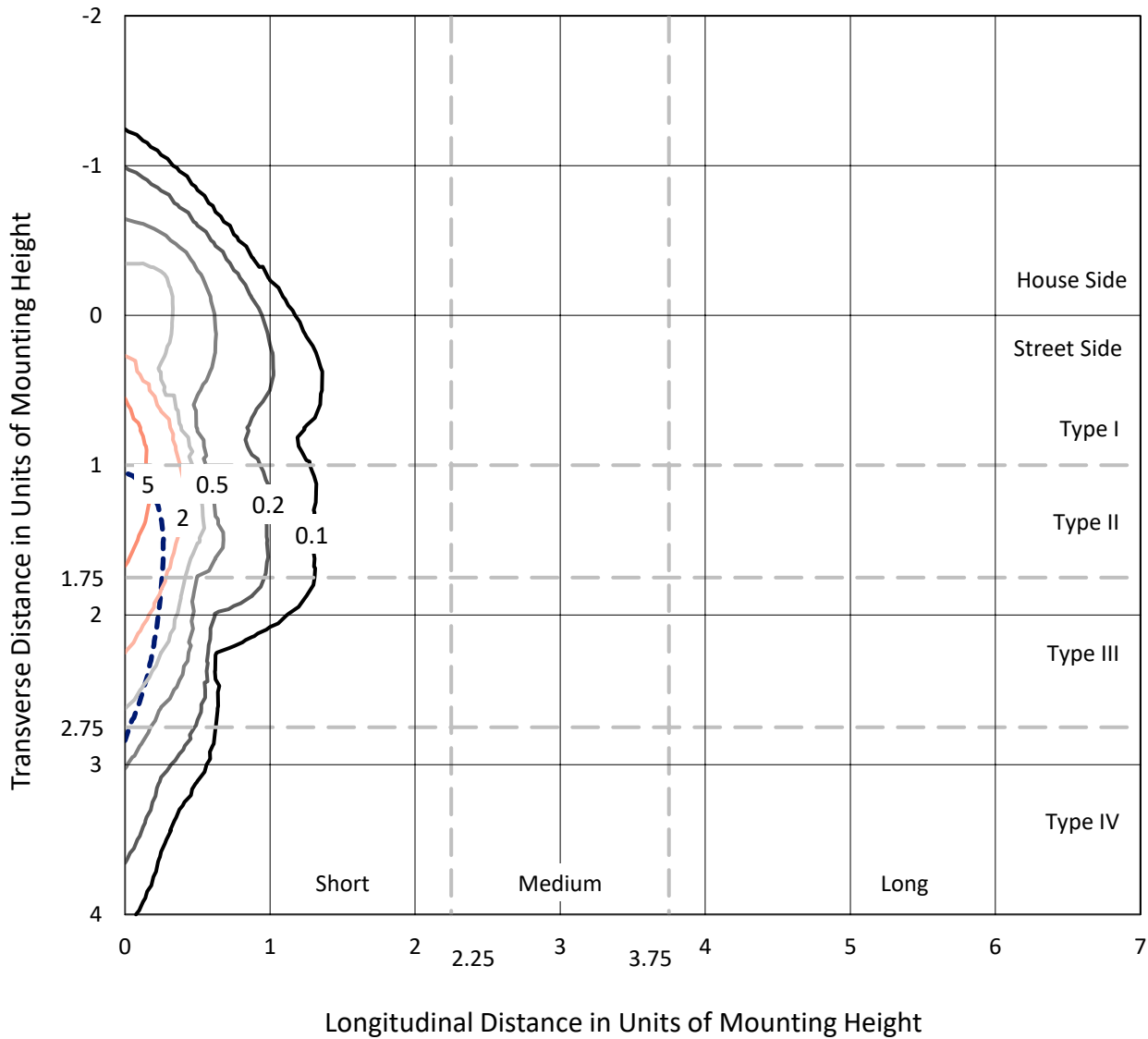
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

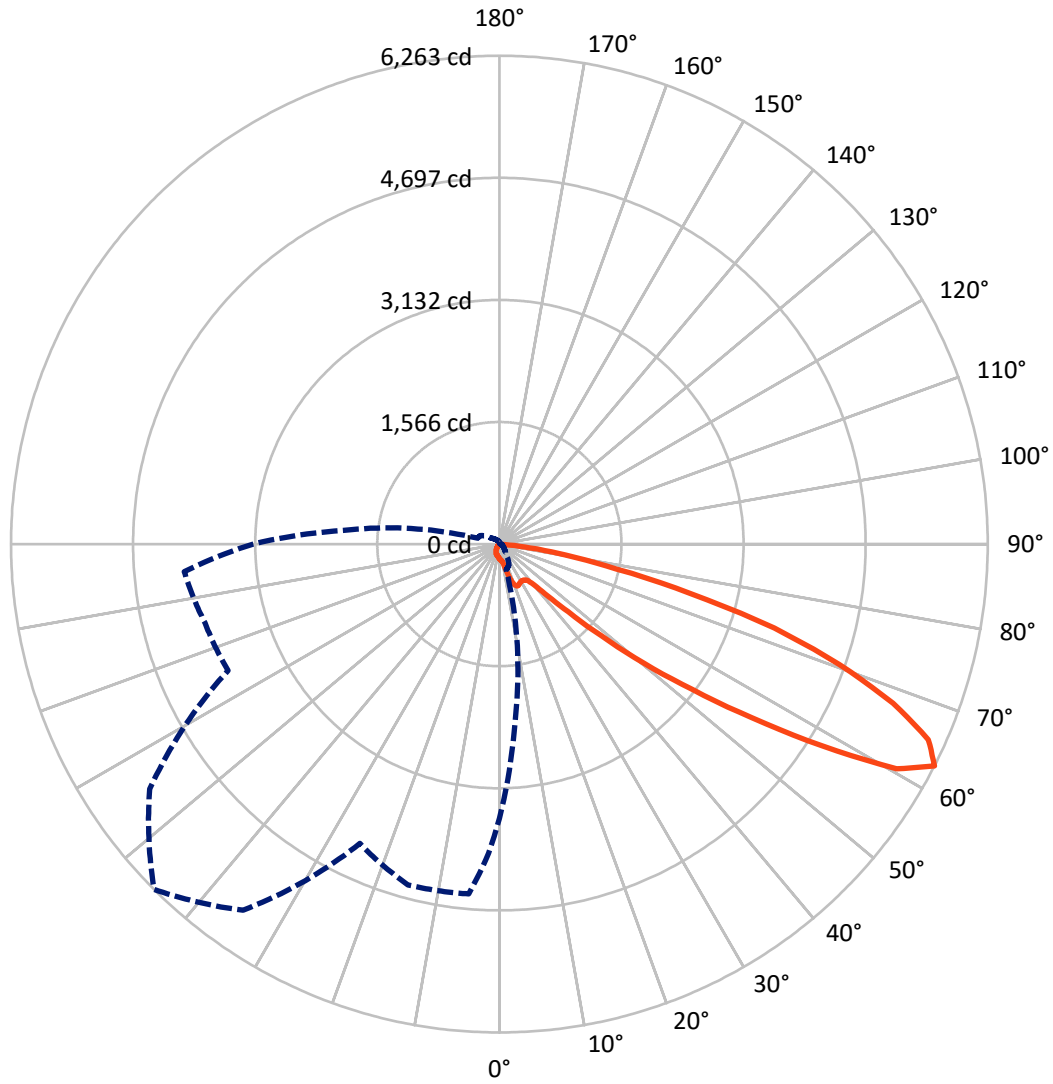
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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
House Side	Lumens	420.7	0.0	420.7
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	3200.4	0.0	3200.4
	% Fixture	88.4	0.0	88.4
Total	Lumens	3621.1	0.0	3621.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.4
10°-20°	55.6	1.5
20°-30°	125.6	3.5
30°-40°	216.3	6.0
40°-50°	408.1	11.3
50°-60°	911.1	25.2
60°-70°	1218.6	33.7
70°-80°	611.1	16.9
80°-90°	58.6	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°	3621.1	100.0
0°-180°	3621.1	100.0

Coefficient of Utilization



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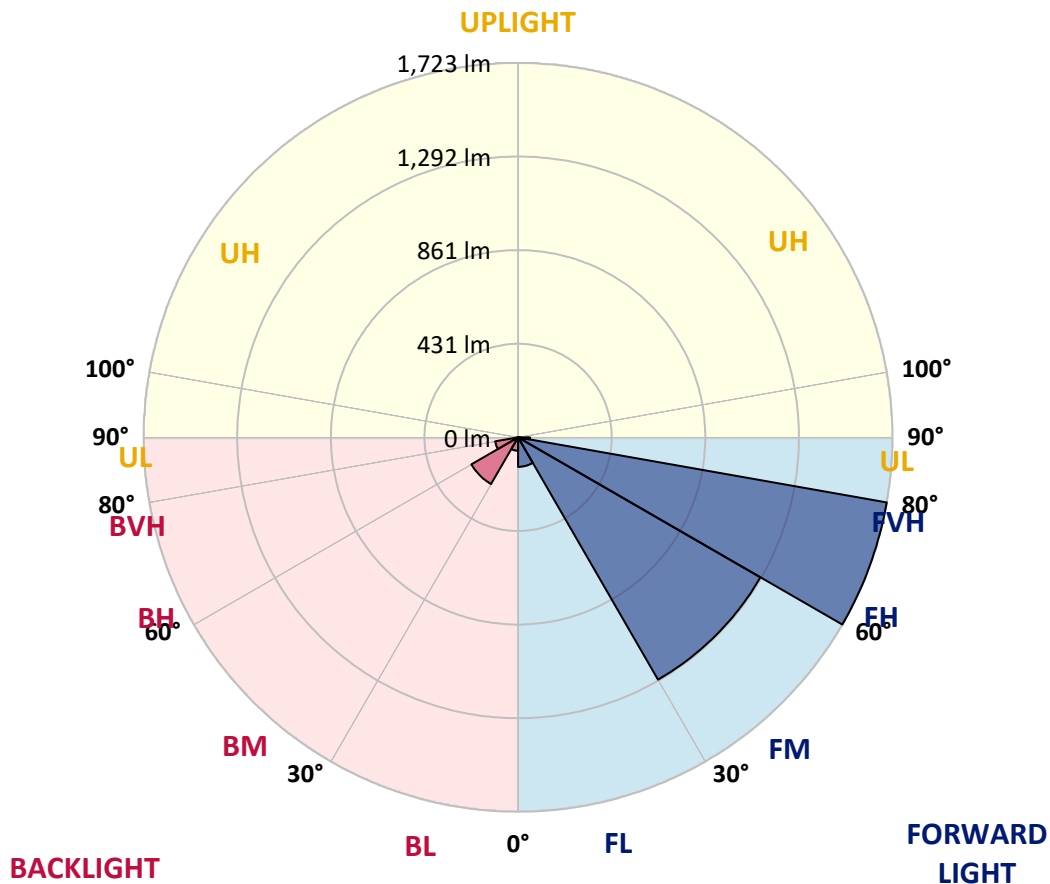
CATALOG NUMBER: GWS-SA1D-735-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.6	3.7			
FM (30°-60°)	1287.4	35.6			
FH (60°-80°)	1722.7	47.6			G1/1800
FVH (80°-90°)	54.7	1.5			G1/100
BL (0°-30°)	61.8	1.7	B0/110		
BM (30°-60°)	248.1	6.9	B1/1000		
BH (60°-80°)	107.0	3.0	B0/110		G0/110
BVH (80°-90°)	3.9	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8
2.5°	185.7	185.2	184.4	181.8	179.6	178.4	175.8	175.8	175.4	174.5	172.8
5°	179.6	177.9	176.2	171.5	166.4	163.4	159.9	159.5	159.5	158.6	158.2
7.5°	170.2	168.5	166.4	158.6	153.9	150.9	147.9	147.5	146.2	146.2	146.2
10°	165.1	162.5	159.1	150.5	145.8	143.2	141.1	139.8	138.9	137.6	137.2
12.5°	176.2	171.5	164.2	148.8	142.3	138.9	136.3	135.5	132.9	131.2	129.9
15°	210.9	199.4	184.8	152.6	141.1	135.9	132.5	130.8	128.6	125.6	123.5
17.5°	268.0	251.3	226.8	165.1	139.8	133.3	129.1	126.1	123.1	119.6	117.1
20°	346.9	322.0	292.8	187.8	139.8	130.3	125.2	121.3	117.1	113.2	110.2
22.5°	447.2	422.3	372.6	226.4	141.5	126.5	120.5	115.3	110.2	106.8	103.3
25°	559.5	524.4	478.1	273.1	146.2	121.3	114.9	109.8	105.0	100.8	96.9
27.5°	684.7	646.6	584.8	339.6	156.5	116.2	108.9	104.2	99.9	95.6	90.5
30°	800.1	777.3	714.3	419.3	173.2	112.8	104.2	99.9	95.6	90.0	85.3
32.5°	938.5	898.2	846.4	510.2	195.5	109.3	100.3	94.3	90.9	85.8	80.6
35°	1077.9	1043.6	975.4	622.1	220.4	105.9	95.6	90.0	87.0	81.0	75.5
37.5°	1221.5	1213.8	1146.5	746.0	244.8	102.0	90.0	86.6	83.6	76.7	70.3
40°	1363.0	1348.9	1286.7	887.5	259.8	97.8	85.3	83.2	79.7	72.0	64.7
42.5°	1498.5	1487.8	1427.3	1023.0	257.7	93.9	80.6	78.0	75.5	67.7	58.7
45°	1664.9	1647.3	1571.0	1123.3	235.8	98.2	75.9	71.6	71.2	63.9	52.7
47.5°	1976.1	1918.3	1788.8	1200.5	213.9	109.3	70.7	65.6	68.6	60.0	46.7
50°	2412.2	2344.0	2156.6	1260.5	213.5	123.9	69.9	60.0	66.5	57.0	41.6
52.5°	2850.4	2730.3	2502.7	1292.7	229.4	134.6	77.6	54.5	63.9	54.0	37.7
55°	3270.1	3021.0	2647.6	1186.4	241.8	146.2	91.8	51.5	59.2	50.6	35.6
57.5°	3670.2	3254.7	2710.6	938.5	283.4	150.9	100.3	52.7	52.3	46.3	33.9
60°	3725.0	3243.5	2583.3	545.8	312.6	142.8	96.9	58.7	45.9	41.2	30.9
62.5°	3517.5	3027.9	2293.0	340.4	290.3	139.8	86.2	66.9	41.6	36.4	27.0
65°	3202.4	2689.6	1911.8	219.5	220.0	155.2	75.5	65.6	39.0	32.2	23.2
67.5°	2709.7	2251.0	1506.2	147.1	124.3	132.5	66.0	45.0	38.2	27.4	18.0
70°	1977.9	1602.3	980.6	98.2	74.2	105.9	55.3	32.2	36.0	22.7	12.9
72.5°	1445.8	1076.6	547.5	64.3	42.0	61.7	40.7	23.2	27.9	16.7	9.0
75°	1040.6	740.9	312.6	41.2	27.9	33.9	26.6	15.9	18.0	13.3	8.1
77.5°	500.8	361.0	141.9	22.7	18.9	17.2	14.1	9.9	11.1	12.0	7.3
80°	18.9	14.1	10.7	11.1	12.0	7.7	6.4	5.1	6.4	8.1	3.9
82.5°	0.0	0.0	0.0	1.3	1.7	2.1	2.6	2.1	2.6	3.0	0.4
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°	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8
2.5°	174.1	173.2	174.1	174.9	175.8	176.6	175.4	176.2	177.1	174.9	175.8
5°	160.4	159.9	162.5	163.8	165.5	166.4	165.5	165.5	165.1	162.5	162.5
7.5°	148.3	148.8	150.9	153.9	156.1	157.4	156.5	156.1	154.8	150.9	150.9
10°	139.3	139.3	142.8	145.3	148.3	149.6	148.8	147.5	146.2	142.3	141.9
12.5°	132.1	132.1	134.6	138.9	142.3	144.1	143.6	141.9	139.8	135.9	135.5
15°	125.2	124.8	128.6	132.5	137.2	139.3	138.5	137.2	133.3	129.9	129.1
17.5°	118.3	117.9	121.3	126.5	131.6	134.6	134.2	131.2	127.8	123.5	122.6
20°	111.5	110.6	114.9	120.1	125.2	128.2	127.3	124.8	120.5	116.2	115.3
22.5°	104.6	104.2	107.2	111.5	116.2	118.8	118.3	116.2	111.9	108.0	108.0
25°	96.9	96.9	99.0	102.0	105.5	106.8	107.2	106.3	103.8	101.6	101.6
27.5°	90.5	89.2	90.0	90.9	92.6	94.8	94.8	95.6	96.0	95.2	95.6
30°	85.3	83.2	81.9	80.2	79.3	80.2	81.0	84.0	87.0	88.8	89.6
32.5°	79.3	76.7	73.3	68.6	65.6	64.7	67.3	72.9	78.5	82.3	84.5
35°	73.3	69.9	63.5	56.6	52.7	51.5	54.5	60.9	69.0	75.9	78.9
37.5°	67.3	62.6	53.6	45.4	41.2	40.3	43.3	50.2	59.6	69.0	72.9
40°	60.5	54.9	44.2	35.6	32.2	31.3	33.9	40.7	50.6	61.3	67.3
42.5°	53.6	46.7	35.6	28.3	24.9	24.9	28.3	33.4	42.4	54.0	61.3
45°	46.7	39.4	29.2	22.7	20.6	21.0	23.2	28.3	35.6	47.6	54.5
47.5°	40.3	33.9	24.0	18.9	17.2	17.6	20.2	24.4	30.4	41.2	48.4
50°	34.7	28.7	21.0	15.9	14.6	15.4	18.0	21.9	27.0	36.4	42.4
52.5°	31.3	25.7	19.3	13.7	12.9	13.7	16.3	19.7	24.4	32.2	38.2
55°	29.6	25.3	19.3	12.4	11.1	12.0	14.6	18.0	21.9	29.2	34.3
57.5°	29.2	26.2	20.6	11.1	9.4	10.3	12.9	16.3	20.2	26.6	30.9
60°	27.4	24.9	20.2	9.0	7.3	8.6	10.7	14.1	18.4	24.9	28.7
62.5°	24.0	21.9	17.6	7.3	5.6	6.4	9.0	12.4	16.7	22.7	27.0
65°	19.7	17.6	13.7	4.7	3.4	4.3	6.9	10.7	14.6	20.6	24.4
67.5°	14.6	12.4	9.4	3.0	1.7	3.0	5.6	9.0	13.3	18.4	22.3
70°	9.0	7.3	5.1	1.7	1.3	2.6	5.1	8.6	12.0	17.2	21.0
72.5°	5.1	3.4	2.1	0.9	1.3	2.6	5.1	8.6	11.6	16.3	19.7
75°	3.9	2.1	0.9	0.4	0.9	2.1	4.7	7.7	11.1	15.4	18.9
77.5°	2.6	1.3	0.4	0.0	0.4	1.7	4.3	7.3	10.3	14.6	18.0
80°	0.4	0.0	0.0	0.0	0.0	1.3	3.9	6.4	9.4	12.9	15.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	3.0	5.6	8.1	10.7	12.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.3	6.4	8.1	9.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.3	5.1	6.0
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°	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8
2.5°	175.4	177.9	177.9	179.6	181.8	185.7	187.8	190.8	192.9	195.1	195.9
5°	162.1	162.5	162.9	163.8	166.4	170.6	174.5	179.2	184.8	189.1	191.7
7.5°	150.9	150.9	150.9	152.2	154.8	157.8	161.6	168.1	174.5	179.6	183.9
10°	141.5	142.8	143.2	145.3	148.3	152.2	156.5	162.1	169.4	176.2	183.9
12.5°	135.5	136.8	138.9	141.1	144.1	148.3	153.1	160.4	175.4	189.5	205.8
15°	129.9	131.6	134.2	137.2	140.6	145.3	150.5	165.5	200.7	227.2	253.0
17.5°	123.9	126.5	129.9	132.9	137.2	142.3	148.8	177.9	247.0	291.1	334.9
20°	116.2	119.6	123.5	128.2	133.3	139.3	148.8	203.7	313.8	377.3	435.2
22.5°	108.9	112.3	117.1	123.1	129.1	135.1	150.9	242.7	400.0	480.2	553.5
25°	102.9	107.2	111.9	117.1	123.9	130.8	156.1	297.6	503.8	607.1	659.0
27.5°	97.3	102.5	107.2	111.5	117.5	125.2	167.6	370.9	626.4	731.5	772.2
30°	91.8	97.8	102.5	106.8	112.8	120.9	185.2	464.3	762.8	864.8	869.1
32.5°	87.0	92.6	98.2	102.5	108.0	117.5	209.7	573.7	902.5	1001.1	960.8
35°	81.9	88.3	93.5	98.2	104.2	114.5	238.0	691.6	1043.6	1126.3	1052.2
37.5°	76.7	84.0	90.5	93.9	99.9	111.5	258.5	814.6	1187.7	1248.5	1132.3
40°	72.0	80.2	87.5	90.9	93.9	107.6	261.5	940.7	1333.9	1369.0	1207.8
42.5°	66.9	75.9	82.3	87.0	89.6	105.0	243.5	1047.0	1456.5	1489.1	1306.4
45°	61.3	72.0	77.2	80.6	85.8	106.8	220.4	1129.3	1596.7	1652.9	1468.9
47.5°	55.7	67.7	72.0	74.6	81.5	117.1	211.8	1184.2	1827.8	1944.4	1742.9
50°	50.6	63.9	68.6	68.2	80.6	130.3	221.2	1225.8	2175.1	2312.3	2118.5
52.5°	45.0	59.6	65.2	63.5	87.0	140.6	240.1	1258.8	2442.2	2743.6	2623.1
55°	40.3	54.9	60.0	59.6	99.0	148.3	254.7	1084.8	2552.8	3144.5	3191.7
57.5°	36.9	49.7	54.0	61.3	106.8	148.3	294.6	770.0	2555.0	3439.5	3946.3
60°	33.9	45.0	48.0	67.3	103.8	140.6	291.6	471.6	2354.7	3419.3	4347.6
62.5°	31.3	40.7	44.6	69.0	91.8	139.3	263.3	292.4	2008.3	3159.1	4056.5
65°	29.2	37.3	42.9	63.5	83.2	149.2	177.5	210.1	1628.8	2862.4	3722.5
67.5°	27.0	34.3	45.4	51.9	75.5	133.3	128.2	149.2	1278.6	2537.0	3415.9
70°	25.3	32.6	48.0	42.4	66.0	104.2	90.9	113.2	978.9	2116.8	2984.1
72.5°	24.0	30.4	40.3	33.4	53.6	80.6	63.5	82.3	639.7	1652.4	2432.8
75°	22.7	27.9	29.6	27.0	39.9	52.7	48.0	55.3	381.2	1207.8	1845.8
77.5°	22.3	26.2	24.0	21.9	27.0	31.3	36.4	37.3	186.1	604.1	967.3
80°	19.7	23.6	20.6	18.0	18.4	20.6	27.0	24.9	42.4	153.5	258.1
82.5°	15.4	18.4	17.2	15.0	15.0	15.0	18.0	16.7	13.7	69.0	116.6
85°	10.7	12.9	12.9	12.0	11.6	11.6	11.1	10.7	3.9	4.3	6.4
87.5°	7.3	9.0	9.4	9.0	7.7	6.9	6.0	5.1	1.7	0.0	0.9
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°	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8
2.5°	198.9	200.2	200.2	198.5	197.2	193.8	190.4	186.9	186.1	185.7
5°	198.9	204.1	206.7	206.2	203.2	197.7	190.4	182.7	180.5	179.6
7.5°	195.9	205.8	213.5	214.8	209.2	199.4	186.1	174.5	171.5	170.2
10°	202.8	222.1	237.5	239.7	233.2	213.9	192.5	172.8	168.1	165.1
12.5°	239.7	271.4	290.3	299.3	286.8	262.4	226.8	191.7	180.9	176.2
15°	314.3	359.3	395.3	395.3	383.7	340.4	295.4	238.4	223.8	210.9
17.5°	409.9	466.5	498.2	494.8	477.2	446.8	392.7	310.8	281.3	268.0
20°	518.8	552.7	560.0	557.8	550.1	532.5	495.2	407.3	367.4	346.9
22.5°	613.1	604.1	593.4	584.8	582.7	587.8	582.7	514.9	483.6	447.2
25°	677.0	626.0	593.8	578.4	585.7	615.3	647.4	622.1	597.3	559.5
27.5°	711.7	623.4	577.1	561.2	573.7	615.7	685.6	728.5	702.7	684.7
30°	730.6	621.3	566.4	551.0	569.8	622.6	712.2	827.9	828.8	800.1
32.5°	757.6	635.0	568.5	554.4	579.7	643.1	745.6	929.1	954.0	938.5
35°	788.1	656.0	578.4	565.5	596.8	670.6	782.9	1031.2	1083.0	1077.9
37.5°	816.8	679.6	601.5	589.1	623.0	694.2	818.9	1131.5	1203.5	1221.5
40°	846.8	712.6	672.7	684.7	703.6	731.5	851.1	1218.5	1336.0	1363.0
42.5°	917.5	827.1	888.0	910.7	913.3	855.8	921.4	1330.0	1466.3	1498.5
45°	1075.3	1030.7	1205.2	1237.4	1220.7	1046.6	1090.8	1490.8	1648.6	1664.9
47.5°	1274.7	1295.3	1639.6	1750.6	1650.3	1271.7	1296.1	1829.1	1982.1	1976.1
50°	1507.1	1604.4	2132.6	2394.6	2154.5	1564.1	1532.8	2245.0	2430.6	2412.2
52.5°	1781.9	1963.7	2725.2	3097.3	2870.1	1893.0	1880.1	2795.9	2909.1	2850.4
55°	2127.9	2310.6	3406.9	3927.0	3603.7	2294.3	2338.4	3434.8	3456.6	3270.1
57.5°	2644.1	2762.9	4210.4	4878.4	4369.5	2839.7	3159.9	4285.0	4023.5	3670.2
60°	3581.4	3344.7	4986.9	5851.7	5184.1	3606.7	4243.4	4788.8	4212.1	3725.0
62.5°	3907.7	3838.7	5473.1	6263.3	5732.0	4236.5	4525.1	4503.2	3967.7	3517.5
65°	3413.3	3715.6	5386.0	6045.9	5661.7	4132.8	4060.8	4188.1	3692.5	3202.4
67.5°	3153.1	3426.6	5056.3	5446.1	5272.0	3780.8	3619.6	3584.8	3099.9	2709.7
70°	2890.7	3161.7	4578.3	4626.7	4545.7	3207.1	2995.3	2762.5	2317.0	1977.9
72.5°	2575.1	2724.3	3915.0	3685.2	3593.4	2518.9	2474.4	2080.3	1736.9	1445.8
75°	2245.8	2202.5	3052.3	2529.2	2597.8	1959.8	2089.8	1527.7	1272.5	1040.6
77.5°	1633.6	1601.4	2044.3	1536.2	1701.3	1283.7	1153.4	609.7	580.5	500.8
80°	911.5	1098.9	1104.0	860.9	1074.0	836.9	288.6	20.2	12.9	18.9
82.5°	423.6	472.5	598.5	399.2	612.7	414.6	59.6	0.0	0.0	0.0
85°	137.2	200.7	168.1	58.7	148.3	140.2	9.9	0.0	0.0	0.0
87.5°	8.1	16.7	4.3	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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