

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: P634301

Luminaire Tested: GWS-SA3B-740-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634301
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6297.8 lumens
Efficiency: N/A
Efficacy: 92.2 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

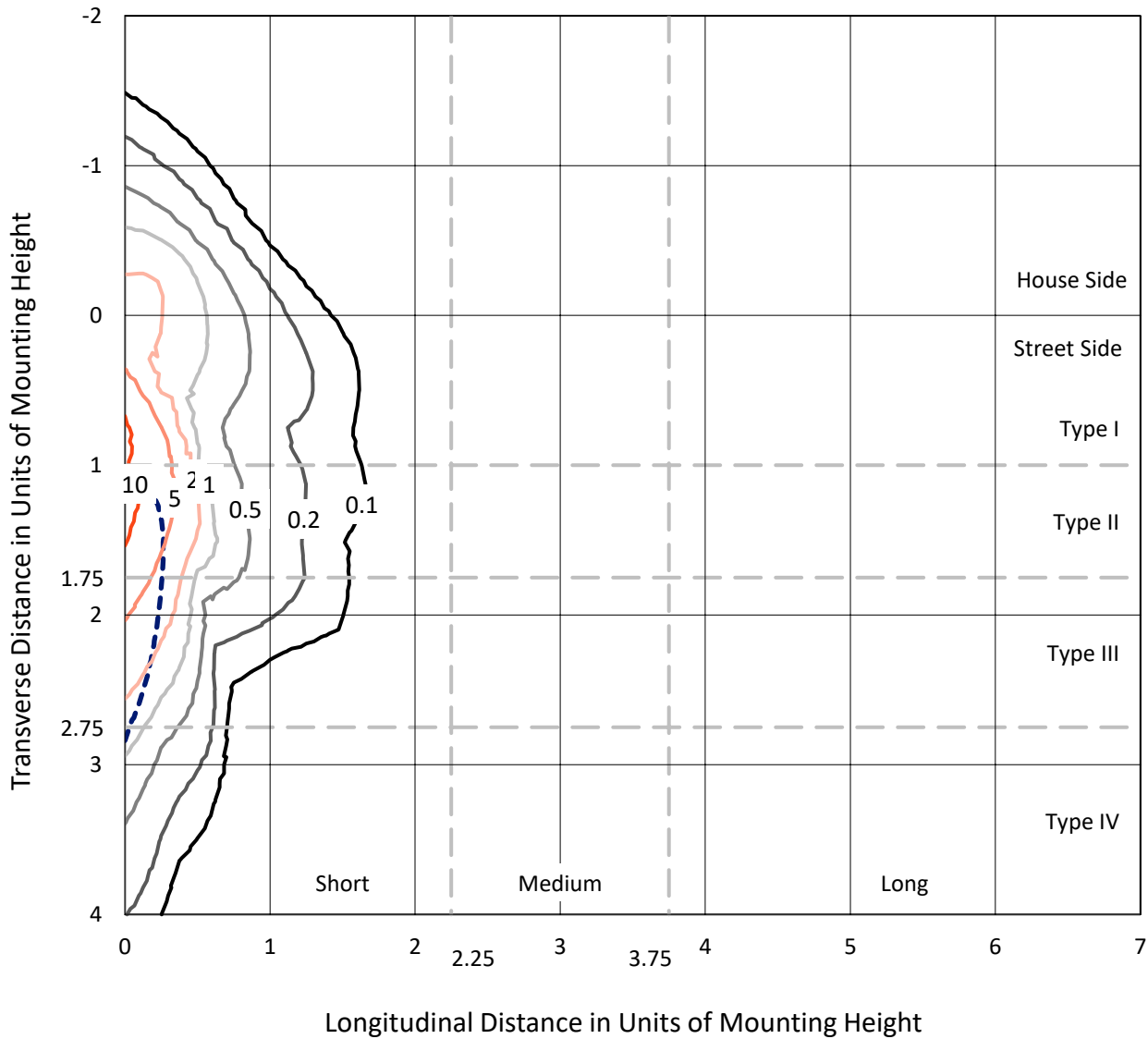
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

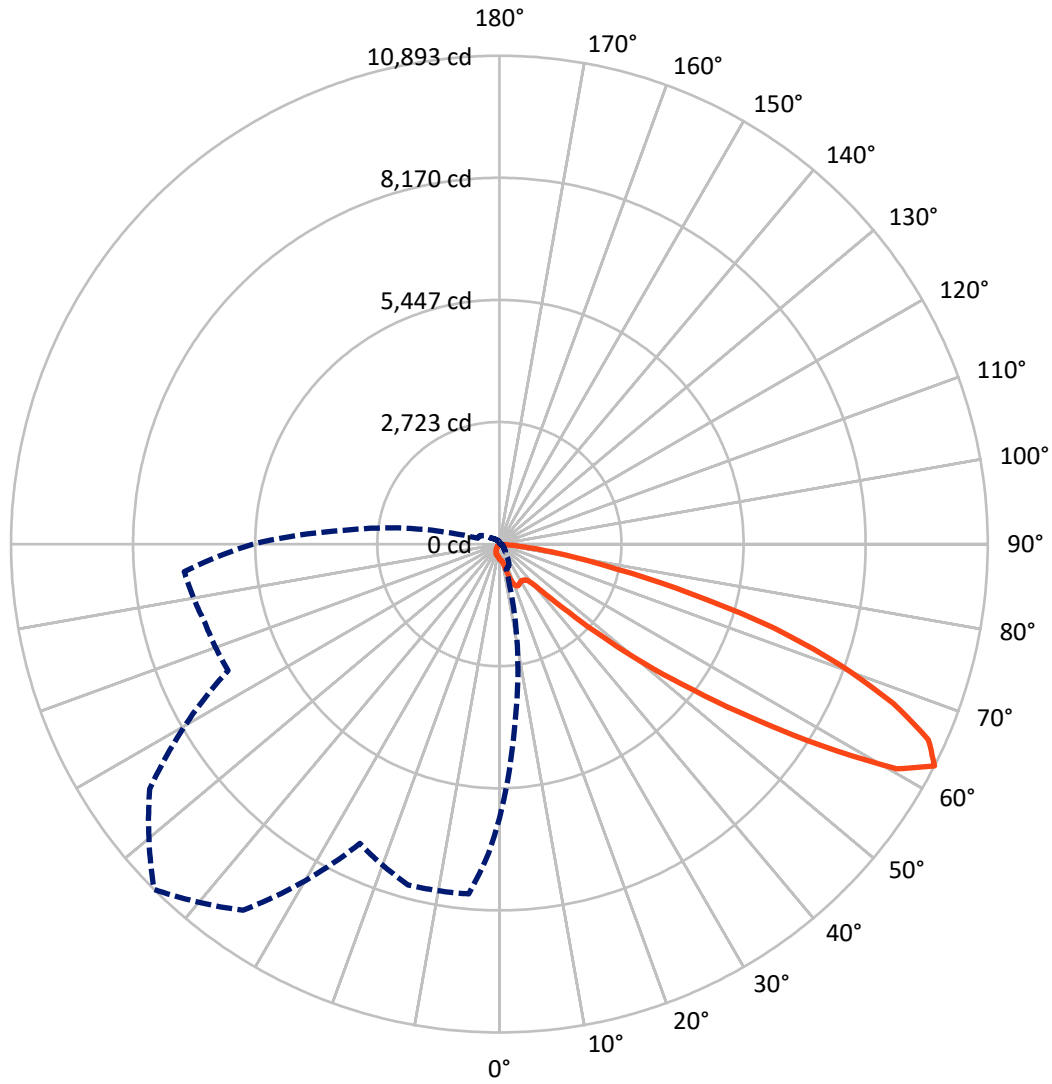
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 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	731.7	0.0	731.7
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	5566.1	0.0	5566.1
	% Fixture	88.4	0.0	88.4
Total	Lumens	6297.8	0.0	6297.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.4
10°-20°	96.7	1.5
20°-30°	218.4	3.5
30°-40°	376.2	6.0
40°-50°	709.7	11.3
50°-60°	1584.6	25.2
60°-70°	2119.4	33.7
70°-80°	1062.8	16.9
80°-90°	101.9	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°	6297.8	100.0
0°-180°	6297.8	100.0

Coefficient of Utilization



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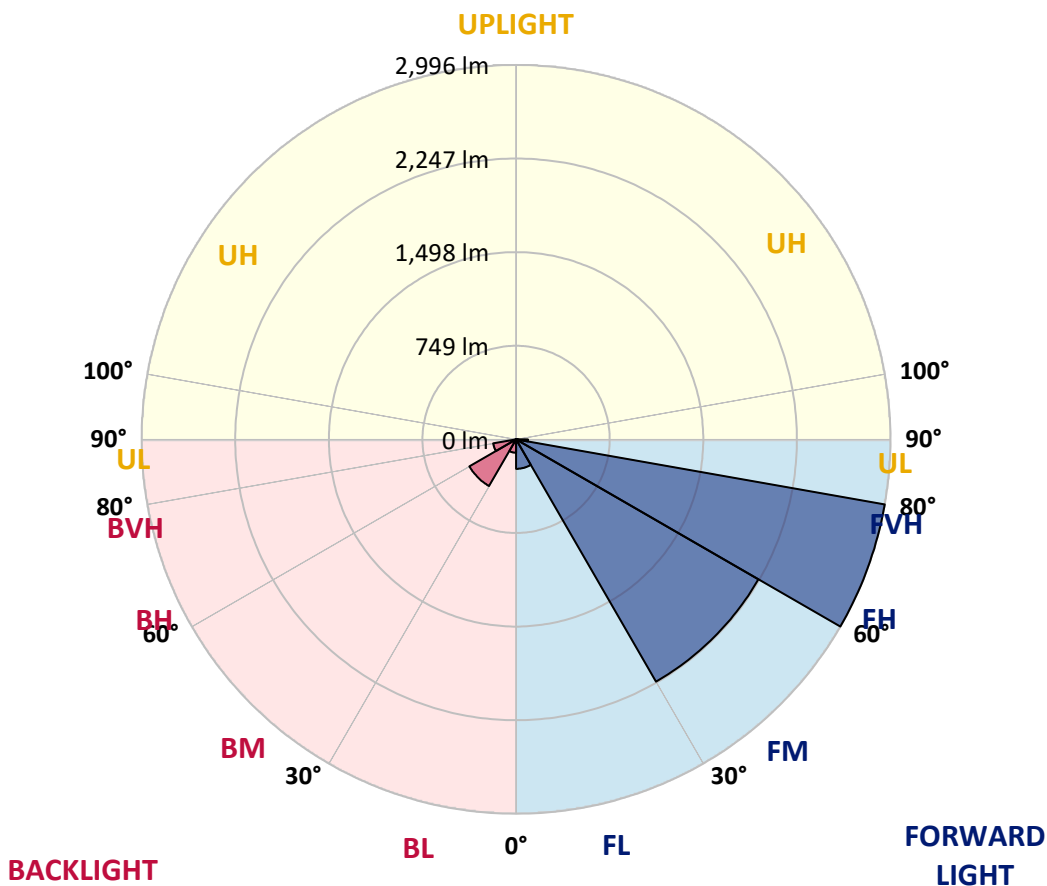
CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.9	3.7			
FM (30°-60°)	2239.1	35.6			
FH (60°-80°)	2996.1	47.6			G2/5000
FVH (80°-90°)	95.1	1.5			G1/100
BL (0°-30°)	107.4	1.7	B0/110		
BM (30°-60°)	431.5	6.9	B1/1000		
BH (60°-80°)	186.1	3.0	B1/500		G1/500
BVH (80°-90°)	6.8	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°	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6
2.5°	322.9	322.1	320.6	316.2	312.4	310.2	305.7	305.7	305.0	303.5	300.5
5°	312.4	309.5	306.5	298.3	289.3	284.1	278.1	277.4	277.4	275.9	275.2
7.5°	296.0	293.1	289.3	275.9	267.7	262.5	257.3	256.5	254.3	254.3	254.3
10°	287.1	282.6	276.7	261.7	253.5	249.1	245.3	243.1	241.6	239.4	238.6
12.5°	306.5	298.3	285.6	258.8	247.6	241.6	237.1	235.6	231.2	228.2	225.9
15°	366.9	346.7	321.4	265.5	245.3	236.4	230.4	227.4	223.7	218.5	214.8
17.5°	466.1	437.0	394.5	287.1	243.1	231.9	224.5	219.2	214.0	208.0	203.6
20°	603.3	560.0	509.3	326.6	243.1	226.7	217.7	211.0	203.6	196.9	191.6
22.5°	777.8	734.5	648.0	393.7	246.1	220.0	209.5	200.6	191.6	185.7	179.7
25°	973.1	912.0	831.4	475.0	254.3	211.0	199.8	190.9	182.7	175.2	168.5
27.5°	1190.9	1124.5	1017.1	590.6	272.2	202.1	189.4	181.2	173.7	166.3	157.3
30°	1391.5	1351.9	1242.3	729.3	301.3	196.1	181.2	173.7	166.3	156.6	148.4
32.5°	1632.3	1562.2	1472.0	887.4	340.0	190.2	174.5	164.1	158.1	149.1	140.2
35°	1874.7	1815.0	1696.4	1082.0	383.3	184.2	166.3	156.6	151.4	140.9	131.2
37.5°	2124.5	2111.1	1994.0	1297.5	425.8	177.5	156.6	150.6	145.4	133.5	122.3
40°	2370.6	2345.9	2237.8	1543.6	451.9	170.0	148.4	144.7	138.7	125.3	112.6
42.5°	2606.2	2587.6	2482.4	1779.2	448.2	163.3	140.2	135.7	131.2	117.8	102.2
45°	2895.5	2864.9	2732.2	1953.7	410.1	170.8	132.0	124.5	123.8	111.1	91.7
47.5°	3436.9	3336.2	3111.0	2087.9	372.1	190.2	123.0	114.1	119.3	104.4	81.3
50°	4195.3	4076.7	3750.8	2192.3	371.4	215.5	121.5	104.4	115.6	99.2	72.3
52.5°	4957.4	4748.6	4352.6	2248.3	398.9	234.1	135.0	94.7	111.1	94.0	65.6
55°	5687.4	5254.1	4604.6	2063.3	420.6	254.3	159.6	89.5	102.9	88.0	61.9
57.5°	6383.1	5660.5	4714.3	1632.3	492.9	262.5	174.5	91.7	91.0	80.5	58.9
60°	6478.6	5641.2	4492.8	949.3	543.6	248.3	168.5	102.2	79.8	71.6	53.7
62.5°	6117.7	5266.1	3988.0	592.1	504.8	243.1	149.9	116.3	72.3	63.4	47.0
65°	5569.6	4677.7	3325.0	381.8	382.5	269.9	131.2	114.1	67.9	55.9	40.3
67.5°	4712.8	3914.9	2619.6	255.8	216.3	230.4	114.8	78.3	66.4	47.7	31.3
70°	3439.9	2786.6	1705.4	170.8	129.0	184.2	96.2	55.9	62.6	39.5	22.4
72.5°	2514.5	1872.4	952.2	111.9	73.1	107.4	70.8	40.3	48.5	29.1	15.7
75°	1809.8	1288.6	543.6	71.6	48.5	58.9	46.2	27.6	31.3	23.1	14.2
77.5°	871.0	627.9	246.8	39.5	32.8	29.8	24.6	17.2	19.4	20.9	12.7
80°	32.8	24.6	18.6	19.4	20.9	13.4	11.2	8.9	11.2	14.2	6.7
82.5°	0.0	0.0	0.0	2.2	3.0	3.7	4.5	3.7	4.5	5.2	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°	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6
2.5°	302.8	301.3	302.8	304.2	305.7	307.2	305.0	306.5	308.0	304.2	305.7
5°	278.9	278.1	282.6	284.9	287.8	289.3	287.8	287.8	287.1	282.6	282.6
7.5°	258.0	258.8	262.5	267.7	271.4	273.7	272.2	271.4	269.2	262.5	262.5
10°	242.3	242.3	248.3	252.8	258.0	260.2	258.8	256.5	254.3	247.6	246.8
12.5°	229.7	229.7	234.1	241.6	247.6	250.6	249.8	246.8	243.1	236.4	235.6
15°	217.7	217.0	223.7	230.4	238.6	242.3	240.9	238.6	231.9	225.9	224.5
17.5°	205.8	205.1	211.0	220.0	228.9	234.1	233.4	228.2	222.2	214.8	213.3
20°	193.9	192.4	199.8	208.8	217.7	223.0	221.5	217.0	209.5	202.1	200.6
22.5°	181.9	181.2	186.4	193.9	202.1	206.6	205.8	202.1	194.6	187.9	187.9
25°	168.5	168.5	172.3	177.5	183.4	185.7	186.4	184.9	180.5	176.7	176.7
27.5°	157.3	155.1	156.6	158.1	161.1	164.8	164.8	166.3	167.0	165.5	166.3
30°	148.4	144.7	142.4	139.4	138.0	139.4	140.9	146.2	151.4	154.4	155.8
32.5°	138.0	133.5	127.5	119.3	114.1	112.6	117.1	126.8	136.5	143.2	146.9
35°	127.5	121.5	110.4	98.4	91.7	89.5	94.7	105.9	120.1	132.0	137.2
37.5°	117.1	108.9	93.2	79.0	71.6	70.1	75.3	87.2	103.7	120.1	126.8
40°	105.1	95.4	76.8	61.9	55.9	54.4	58.9	70.8	88.0	106.6	117.1
42.5°	93.2	81.3	61.9	49.2	43.3	43.3	49.2	58.2	73.8	94.0	106.6
45°	81.3	68.6	50.7	39.5	35.8	36.5	40.3	49.2	61.9	82.8	94.7
47.5°	70.1	58.9	41.8	32.8	29.8	30.6	35.0	42.5	52.9	71.6	84.3
50°	60.4	50.0	36.5	27.6	25.4	26.8	31.3	38.0	47.0	63.4	73.8
52.5°	54.4	44.7	33.6	23.9	22.4	23.9	28.3	34.3	42.5	55.9	66.4
55°	51.5	44.0	33.6	21.6	19.4	20.9	25.4	31.3	38.0	50.7	59.7
57.5°	50.7	45.5	35.8	19.4	16.4	17.9	22.4	28.3	35.0	46.2	53.7
60°	47.7	43.3	35.0	15.7	12.7	14.9	18.6	24.6	32.1	43.3	50.0
62.5°	41.8	38.0	30.6	12.7	9.7	11.2	15.7	21.6	29.1	39.5	47.0
65°	34.3	30.6	23.9	8.2	6.0	7.5	11.9	18.6	25.4	35.8	42.5
67.5°	25.4	21.6	16.4	5.2	3.0	5.2	9.7	15.7	23.1	32.1	38.8
70°	15.7	12.7	8.9	3.0	2.2	4.5	8.9	14.9	20.9	29.8	36.5
72.5°	8.9	6.0	3.7	1.5	2.2	4.5	8.9	14.9	20.1	28.3	34.3
75°	6.7	3.7	1.5	0.7	1.5	3.7	8.2	13.4	19.4	26.8	32.8
77.5°	4.5	2.2	0.7	0.0	0.7	3.0	7.5	12.7	17.9	25.4	31.3
80°	0.7	0.0	0.0	0.0	0.0	2.2	6.7	11.2	16.4	22.4	27.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	5.2	9.7	14.2	18.6	22.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.5	11.2	14.2	15.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	7.5	8.9	10.4
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°	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6
2.5°	305.0	309.5	309.5	312.4	316.2	322.9	326.6	331.8	335.6	339.3	340.8
5°	281.9	282.6	283.4	284.9	289.3	296.8	303.5	311.7	321.4	328.9	333.3
7.5°	262.5	262.5	262.5	264.7	269.2	274.4	281.1	292.3	303.5	312.4	319.9
10°	246.1	248.3	249.1	252.8	258.0	264.7	272.2	281.9	294.5	306.5	319.9
12.5°	235.6	237.9	241.6	245.3	250.6	258.0	266.2	278.9	305.0	329.6	357.9
15°	225.9	228.9	233.4	238.6	244.6	252.8	261.7	287.8	349.0	395.2	440.0
17.5°	215.5	220.0	225.9	231.2	238.6	247.6	258.8	309.5	429.5	506.3	582.4
20°	202.1	208.0	214.8	223.0	231.9	242.3	258.8	354.2	545.8	656.2	756.9
22.5°	189.4	195.4	203.6	214.0	224.5	234.9	262.5	422.1	695.7	835.2	962.7
25°	179.0	186.4	194.6	203.6	215.5	227.4	271.4	517.5	876.2	1055.9	1146.1
27.5°	169.3	178.2	186.4	193.9	204.3	217.7	291.6	645.0	1089.5	1272.2	1343.0
30°	159.6	170.0	178.2	185.7	196.1	210.3	322.1	807.6	1326.6	1504.1	1511.5
32.5°	151.4	161.1	170.8	178.2	187.9	204.3	364.6	997.7	1569.7	1741.2	1671.1
35°	142.4	153.6	162.6	170.8	181.2	199.1	413.9	1202.8	1815.0	1958.9	1829.9
37.5°	133.5	146.2	157.3	163.3	173.7	193.9	449.7	1416.8	2065.6	2171.5	1969.4
40°	125.3	139.4	152.1	158.1	163.3	187.2	454.9	1636.0	2319.8	2381.0	2100.6
42.5°	116.3	132.0	143.2	151.4	155.8	182.7	423.6	1821.0	2533.1	2589.8	2272.1
45°	106.6	125.3	134.2	140.2	149.1	185.7	383.3	1964.2	2777.0	2874.6	2554.7
47.5°	96.9	117.8	125.3	129.8	141.7	203.6	368.4	2059.6	3178.9	3381.7	3031.2
50°	88.0	111.1	119.3	118.6	140.2	226.7	384.8	2131.9	3782.9	4021.5	3684.5
52.5°	78.3	103.7	113.3	110.4	151.4	244.6	417.6	2189.4	4247.5	4771.7	4562.1
55°	70.1	95.4	104.4	103.7	172.3	258.0	442.9	1886.6	4439.8	5468.9	5550.9
57.5°	64.1	86.5	94.0	106.6	185.7	258.0	512.3	1339.3	4443.6	5981.9	6863.3
60°	58.9	78.3	83.5	117.1	180.5	244.6	507.1	820.3	4095.3	5946.9	7561.3
62.5°	54.4	70.8	77.6	120.1	159.6	242.3	457.9	508.6	3492.8	5494.3	7055.0
65°	50.7	64.9	74.6	110.4	144.7	259.5	308.7	365.4	2832.9	4978.2	6474.1
67.5°	47.0	59.7	79.0	90.2	131.2	231.9	223.0	259.5	2223.7	4412.3	5940.9
70°	44.0	56.7	83.5	73.8	114.8	181.2	158.1	196.9	1702.4	3681.5	5190.0
72.5°	41.8	52.9	70.1	58.2	93.2	140.2	110.4	143.2	1112.6	2873.9	4231.1
75°	39.5	48.5	51.5	47.0	69.3	91.7	83.5	96.2	662.9	2100.6	3210.2
77.5°	38.8	45.5	41.8	38.0	47.0	54.4	63.4	64.9	323.6	1050.7	1682.3
80°	34.3	41.0	35.8	31.3	32.1	35.8	47.0	43.3	73.8	267.0	448.9
82.5°	26.8	32.1	29.8	26.1	26.1	26.1	31.3	29.1	23.9	120.1	202.8
85°	18.6	22.4	22.4	20.9	20.1	20.1	19.4	18.6	6.7	7.5	11.2
87.5°	12.7	15.7	16.4	15.7	13.4	11.9	10.4	8.9	3.0	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°	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6
2.5°	346.0	348.2	348.2	345.3	343.0	337.1	331.1	325.1	323.6	322.9
5°	346.0	354.9	359.4	358.7	353.5	343.8	331.1	317.7	313.9	312.4
7.5°	340.8	357.9	371.4	373.6	363.9	346.7	323.6	303.5	298.3	296.0
10°	352.7	386.3	413.1	416.8	405.7	372.1	334.8	300.5	292.3	287.1
12.5°	416.8	472.0	504.8	520.5	498.9	456.4	394.5	333.3	314.7	306.5
15°	546.6	624.9	687.5	687.5	667.4	592.1	513.8	414.6	389.3	366.9
17.5°	712.9	811.3	866.5	860.5	830.0	777.0	683.1	540.6	489.2	466.1
20°	902.3	961.2	973.9	970.1	956.7	926.1	861.3	708.4	639.1	603.3
22.5°	1066.3	1050.7	1032.0	1017.1	1013.4	1022.3	1013.4	895.6	841.1	777.8
25°	1177.4	1088.7	1032.8	1005.9	1018.6	1070.1	1126.0	1082.0	1038.7	973.1
27.5°	1237.8	1084.2	1003.7	976.1	997.7	1070.8	1192.4	1266.9	1222.2	1190.9
30°	1270.7	1080.5	985.1	958.2	991.0	1082.7	1238.6	1439.9	1441.4	1391.5
32.5°	1317.6	1104.4	988.8	964.2	1008.2	1118.5	1296.8	1615.9	1659.2	1632.3
35°	1370.6	1140.9	1005.9	983.6	1038.0	1166.3	1361.6	1793.4	1883.6	1874.7
37.5°	1420.5	1181.9	1046.2	1024.6	1083.5	1207.3	1424.3	1967.9	2093.2	2124.5
40°	1472.7	1239.3	1170.0	1190.9	1223.7	1272.2	1480.2	2119.3	2323.6	2370.6
42.5°	1595.8	1438.4	1544.3	1583.8	1588.3	1488.4	1602.5	2313.1	2550.3	2606.2
45°	1870.2	1792.6	2096.1	2152.1	2123.0	1820.2	1897.0	2592.8	2867.2	2895.5
47.5°	2216.9	2252.7	2851.5	3044.7	2870.2	2211.7	2254.2	3181.1	3447.3	3436.9
50°	2621.1	2790.4	3709.1	4164.7	3747.1	2720.3	2665.8	3904.4	4227.3	4195.3
52.5°	3099.1	3415.3	4739.6	5386.9	4991.7	3292.2	3269.9	4862.7	5059.5	4957.4
55°	3700.9	4018.5	5925.3	6829.8	6267.5	3990.2	4067.0	5973.7	6011.8	5687.4
57.5°	4598.7	4805.2	7322.7	8484.5	7599.3	4938.7	5495.7	7452.4	6997.6	6383.1
60°	6228.8	5817.1	8673.1	10177.2	9016.2	6272.8	7380.1	8328.6	7325.7	6478.6
62.5°	6796.2	6676.2	9518.8	10893.1	9969.2	7368.2	7870.0	7832.0	6900.6	6117.7
65°	5936.5	6462.2	9367.4	10515.0	9846.9	7187.7	7062.4	7283.9	6421.9	5569.6
67.5°	5483.8	5959.6	8793.9	9471.8	9169.0	6575.5	6295.1	6234.7	5391.4	4712.8
70°	5027.5	5498.7	7962.5	8046.8	7905.8	5577.8	5209.4	4804.5	4029.7	3439.9
72.5°	4478.6	4738.1	6808.9	6409.2	6249.6	4380.9	4303.4	3618.1	3020.8	2514.5
75°	3905.9	3830.6	5308.6	4398.8	4518.1	3408.6	3634.5	2656.9	2213.2	1809.8
77.5°	2841.1	2785.2	3555.5	2671.8	2958.9	2232.6	2005.9	1060.4	1009.7	871.0
80°	1585.3	1911.2	1920.2	1497.3	1868.0	1455.6	501.9	35.0	22.4	32.8
82.5°	736.7	821.8	1041.0	694.2	1065.6	721.1	103.7	0.0	0.0	0.0
85°	238.6	349.0	292.3	102.2	258.0	243.8	17.2	0.0	0.0	0.0
87.5°	14.2	29.1	7.5	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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