

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: P628859

Luminaire Tested: GWS-SA1A-740-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2665.3 lumens
Efficiency: N/A
Efficacy: 135.3 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

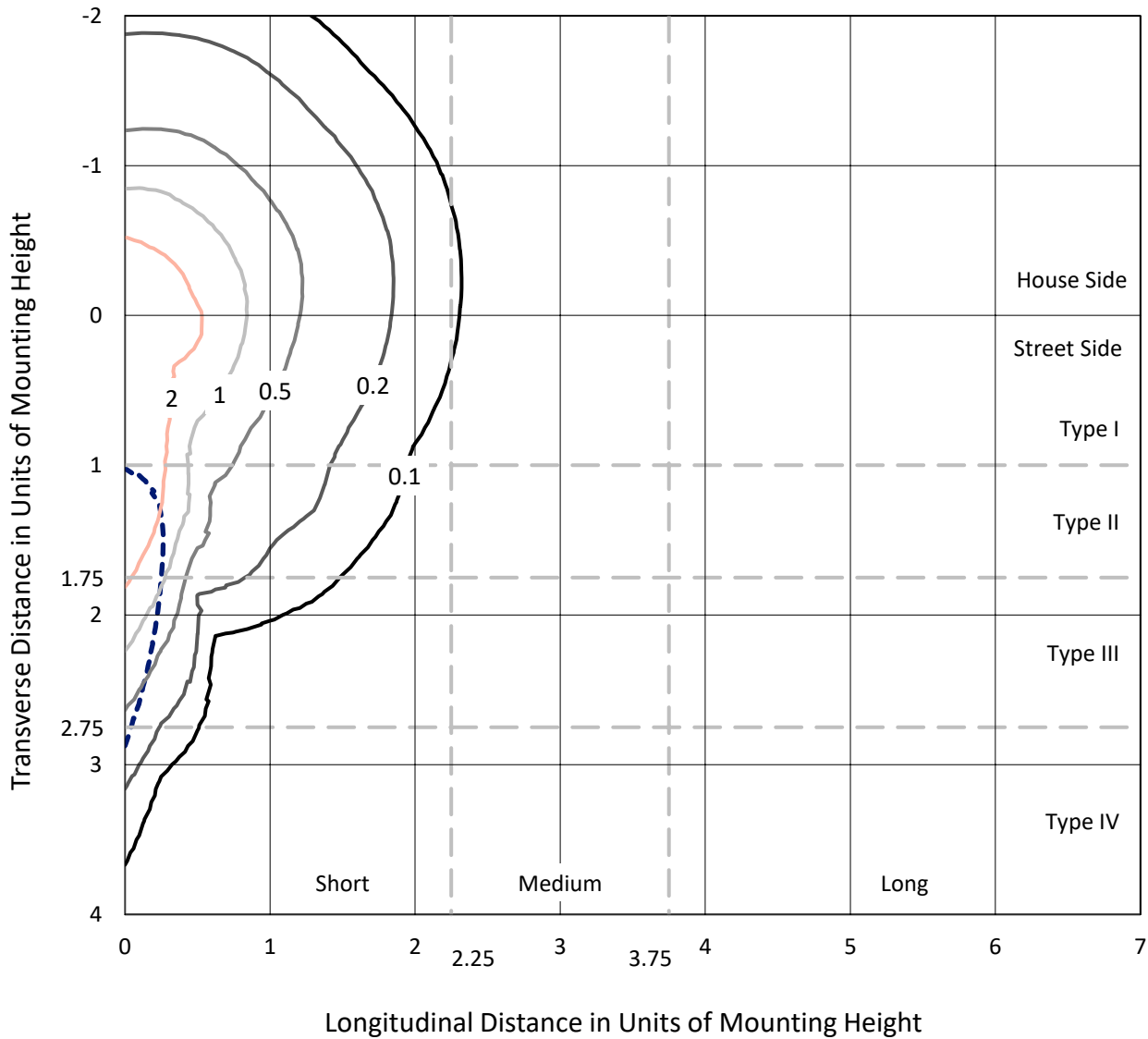
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

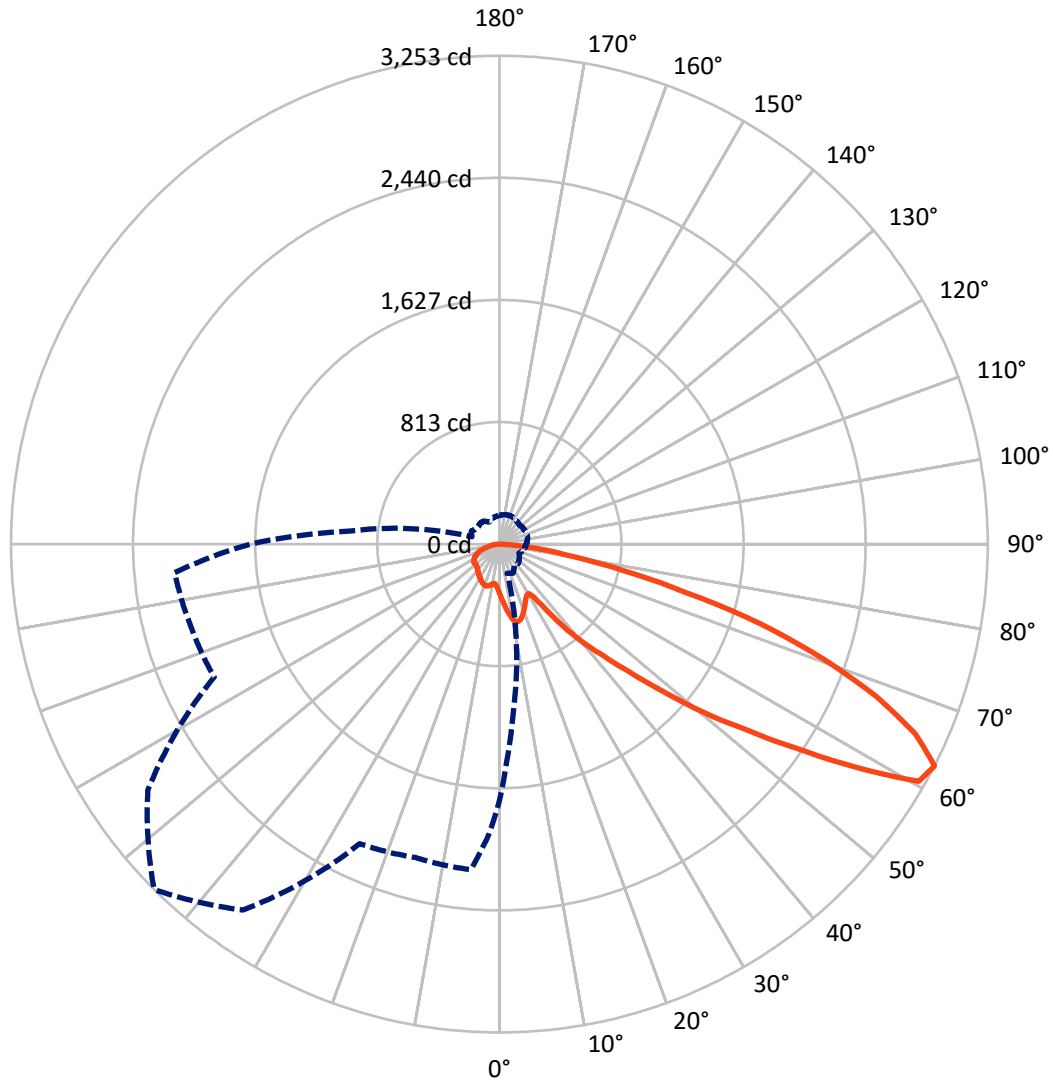
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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	637.3	0.0	637.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2028.0	0.0	2028.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	2665.3	0.0	2665.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.2
10°-20°	106.4	4.0
20°-30°	167.5	6.3
30°-40°	229.6	8.6
40°-50°	358.2	13.4
50°-60°	617.6	23.2
60°-70°	715.8	26.9
70°-80°	377.8	14.2
80°-90°	59.7	2.2
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°	2665.3	100.0
0°-180°	2665.3	100.0

Coefficient of Utilization



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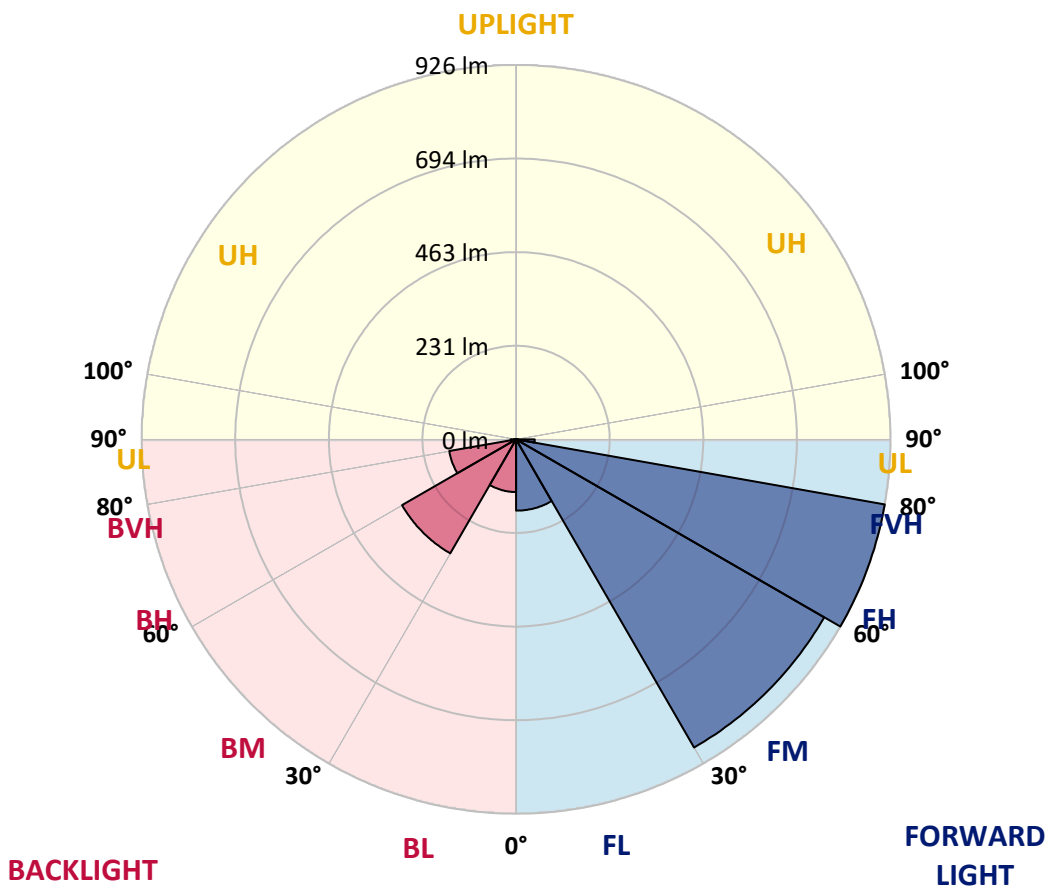
CATALOG NUMBER: GWS-SA1A-740-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.3	6.6			
FM (30°-60°)	879.9	33.0			
FH (60°-80°)	925.8	34.7			G1/1800
FVH (80°-90°)	46.1	1.7			G1/100
BL (0°-30°)	130.3	4.9	B1/500		
BM (30°-60°)	325.5	12.2	B1/1000		
BH (60°-80°)	167.8	6.3	B1/500		G1/500
BVH (80°-90°)	13.6	0.5			G1/100
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°	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
2.5°	361.1	359.6	357.6	350.7	346.4	341.5	336.4	330.5	323.7	319.1	314.4
5°	391.6	389.4	384.5	368.0	356.6	344.1	333.7	321.9	310.3	302.3	294.4
7.5°	421.0	418.1	410.6	385.3	366.8	348.8	333.1	316.0	298.7	286.8	277.5
10°	450.3	444.4	434.9	401.8	377.4	356.6	338.6	317.6	294.6	278.5	268.5
12.5°	472.8	467.3	456.9	416.9	388.0	361.9	341.7	322.3	302.7	285.6	275.4
15°	493.8	486.6	474.8	431.0	396.7	361.7	335.6	318.6	315.8	311.5	298.3
17.5°	508.9	502.3	490.1	442.4	401.6	355.3	318.6	308.7	321.5	334.6	321.9
20°	522.1	514.6	502.1	450.3	402.6	341.3	298.1	298.3	318.4	336.4	333.3
22.5°	533.3	525.0	514.0	459.3	402.2	321.7	280.1	292.3	312.5	326.6	327.0
25°	547.2	540.3	531.1	472.6	402.2	301.7	267.1	285.2	302.5	314.4	314.0
27.5°	564.1	559.4	551.9	492.8	405.9	285.0	259.7	276.0	289.7	299.9	299.7
30°	583.1	578.8	573.1	514.2	412.2	272.6	255.7	264.6	274.6	282.8	282.8
32.5°	602.4	600.8	594.7	531.3	407.3	268.7	252.2	253.2	258.5	265.2	264.6
35°	629.3	627.7	620.0	544.5	386.1	263.2	246.7	241.6	242.2	246.5	247.9
37.5°	668.7	666.2	654.8	560.0	354.1	249.3	237.7	229.4	227.5	229.4	232.0
40°	716.2	712.5	697.0	581.0	317.2	230.6	223.6	216.7	213.7	214.3	217.3
42.5°	775.7	768.0	745.8	603.3	280.7	214.1	207.9	203.7	200.2	199.8	205.7
45°	872.4	851.2	815.9	623.0	249.9	205.3	193.9	190.8	188.0	189.6	196.5
47.5°	1041.2	1002.0	933.3	639.9	231.2	205.5	182.7	179.4	179.2	182.5	190.2
50°	1273.2	1216.7	1110.7	651.4	221.4	207.9	175.9	170.6	174.5	177.8	185.1
52.5°	1495.4	1409.1	1283.0	651.2	217.1	208.4	177.8	162.5	174.5	175.3	182.3
55°	1685.2	1529.0	1329.4	584.3	211.0	206.7	184.9	156.2	172.3	175.3	180.8
57.5°	1836.1	1605.3	1326.0	472.0	229.6	197.8	189.2	154.7	165.7	175.7	182.1
60°	1819.3	1570.4	1240.5	289.7	227.7	181.9	188.6	157.4	154.7	170.2	180.6
62.5°	1708.2	1445.4	1093.6	201.0	213.9	172.7	178.6	162.1	144.5	162.3	173.7
65°	1552.7	1284.2	911.3	154.1	177.2	173.1	161.7	158.8	135.6	149.6	161.9
67.5°	1347.0	1084.2	719.5	122.1	123.5	149.8	146.8	141.1	127.2	138.4	149.4
70°	1012.6	791.2	495.0	98.3	93.6	125.2	131.9	126.8	119.1	122.3	133.9
72.5°	713.5	516.6	271.1	77.9	72.2	96.2	114.6	113.8	105.2	107.6	119.1
75°	530.3	365.5	169.4	61.6	58.7	68.9	96.0	98.5	91.3	94.2	103.0
77.5°	352.9	236.7	94.2	45.7	45.7	50.4	71.6	83.0	77.7	79.9	86.0
80°	194.7	120.5	47.1	30.0	30.8	34.7	52.2	59.7	59.9	65.4	67.1
82.5°	61.6	38.3	21.0	17.5	16.5	19.8	33.6	42.8	40.0	51.0	46.9
85°	14.1	9.0	3.9	3.9	4.3	6.5	12.8	22.8	29.2	35.1	25.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	9.0	13.3	11.8
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°	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
2.5°	311.5	307.4	306.2	302.7	302.3	299.1	297.9	297.9	299.3	299.3	300.7
5°	291.1	286.0	283.2	279.1	278.1	275.6	274.0	274.2	276.0	277.3	279.7
7.5°	273.2	269.7	267.7	265.8	265.4	265.0	263.2	263.0	263.6	265.4	267.3
10°	265.6	263.2	263.8	265.2	267.5	268.7	267.1	266.3	265.6	266.9	268.5
12.5°	273.0	270.5	271.8	274.2	277.3	278.5	277.9	277.7	278.3	283.0	286.4
15°	289.1	284.4	282.8	283.8	286.2	287.5	286.8	287.7	291.5	303.8	312.5
17.5°	309.1	297.6	291.1	289.3	290.3	291.3	291.3	293.4	300.1	318.0	329.0
20°	319.9	305.0	294.0	289.5	289.9	290.9	290.9	293.8	301.3	320.5	327.6
22.5°	317.0	303.4	289.9	285.0	285.2	286.0	286.0	288.5	295.2	312.1	315.4
25°	305.8	293.8	280.5	276.2	276.7	278.1	277.7	279.1	284.2	298.1	299.9
27.5°	292.3	281.7	268.7	265.4	267.3	270.1	267.7	267.9	272.6	284.2	284.4
30°	277.9	269.1	257.5	255.0	258.5	259.9	257.7	257.7	262.4	270.3	270.1
32.5°	262.2	256.7	248.3	245.7	249.5	251.8	248.9	249.3	253.0	258.3	256.3
35°	247.5	244.6	240.8	238.9	241.4	243.4	241.6	242.4	245.9	247.3	244.4
37.5°	233.4	233.0	233.4	233.4	234.0	234.7	233.4	235.5	238.5	236.7	233.4
40°	221.2	222.8	226.7	225.7	225.1	225.7	224.9	228.3	231.4	228.1	224.3
42.5°	211.0	214.1	220.0	220.0	218.8	219.2	218.8	223.0	225.3	220.8	216.5
45°	202.2	206.7	214.3	215.3	213.2	213.2	214.1	219.4	220.2	214.1	209.6
47.5°	196.1	201.6	210.2	212.0	209.0	208.8	211.0	216.7	216.7	209.6	204.5
50°	191.8	198.0	208.2	210.6	207.5	206.7	210.4	215.9	214.7	206.1	201.0
52.5°	189.0	195.3	207.9	211.4	209.4	208.6	212.2	216.1	213.0	203.9	198.6
55°	187.2	194.1	208.6	211.4	209.2	207.7	211.4	214.9	213.2	202.6	197.5
57.5°	188.2	195.1	207.7	209.2	206.5	204.1	208.4	213.2	212.6	203.1	198.0
60°	186.5	192.9	203.3	203.7	199.2	195.3	201.6	209.0	209.0	201.6	197.1
62.5°	179.0	185.3	194.5	194.9	189.8	185.5	192.9	201.6	201.4	195.5	190.8
65°	166.6	172.5	182.9	183.9	178.8	174.3	181.9	190.0	190.6	185.3	181.2
67.5°	152.9	158.2	165.9	170.0	165.7	161.1	168.0	175.7	175.5	169.2	164.9
70°	136.6	141.5	148.6	152.1	149.4	145.0	151.3	155.3	153.5	150.5	147.6
72.5°	120.5	125.2	131.9	131.9	129.0	124.8	126.6	133.9	136.2	133.9	132.1
75°	103.6	107.6	112.3	113.4	107.0	99.3	107.8	114.2	116.8	115.8	113.6
77.5°	86.2	89.3	96.2	94.4	82.6	78.5	85.4	94.8	96.6	96.0	93.0
80°	66.5	68.3	75.6	72.0	62.8	60.1	63.2	70.5	70.9	68.9	65.0
82.5°	44.6	47.1	52.0	44.9	44.6	42.2	39.8	40.6	44.2	43.8	41.2
85°	22.8	24.1	28.7	26.9	23.0	20.0	19.0	20.2	18.1	16.5	14.3
87.5°	9.6	10.4	14.3	8.0	2.4	0.0	0.0	1.2	1.8	2.7	2.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
2.5°	304.0	306.2	311.7	318.6	325.4	332.3	339.9	344.5	350.2	357.6	357.8
5°	282.8	287.9	295.8	306.4	317.4	330.1	344.7	357.0	371.7	383.3	388.0
7.5°	269.7	277.1	287.0	300.5	315.0	330.7	349.8	370.4	394.5	410.0	419.2
10°	270.9	282.2	292.1	303.6	316.6	333.5	358.2	385.5	415.1	435.5	446.9
12.5°	292.8	304.6	302.7	302.1	310.9	331.5	364.9	400.8	436.9	457.3	470.9
15°	320.3	324.8	307.4	294.4	299.7	324.2	368.6	414.5	455.0	479.9	493.4
17.5°	334.3	325.4	304.4	284.8	283.4	312.9	370.4	428.3	475.4	500.3	514.6
20°	327.8	314.8	297.0	278.5	268.3	297.6	369.4	439.3	494.0	521.7	533.3
22.5°	313.8	302.3	288.5	270.7	256.1	280.9	366.8	450.3	510.5	538.4	548.6
25°	298.5	289.9	278.5	263.0	249.1	266.3	364.9	465.0	529.4	556.2	562.7
27.5°	283.2	276.9	267.5	255.4	247.5	256.1	365.5	484.2	553.9	579.2	576.5
30°	268.1	262.6	256.1	250.8	247.3	253.6	363.9	504.6	580.8	604.3	588.6
32.5°	253.8	248.7	244.6	245.5	247.5	254.6	355.5	523.1	605.5	625.5	601.6
35°	241.6	236.3	236.3	239.1	246.7	251.2	333.9	537.6	632.8	652.8	620.2
37.5°	230.2	225.5	228.5	233.2	240.4	241.8	306.2	551.7	672.6	691.3	648.9
40°	220.2	215.5	221.0	226.9	230.6	230.0	278.1	571.2	719.5	738.8	687.0
42.5°	212.2	207.9	212.8	220.4	221.0	221.6	257.5	590.0	773.9	798.6	752.7
45°	205.7	202.6	205.1	212.6	212.6	222.0	244.6	605.7	855.8	899.5	873.2
47.5°	200.6	198.8	200.0	202.4	206.5	229.4	236.5	617.7	1005.1	1090.7	1064.2
50°	197.8	195.9	197.5	192.5	204.7	233.0	233.8	626.9	1201.8	1336.0	1303.1
52.5°	195.3	194.7	195.7	183.9	208.8	230.6	231.8	614.7	1333.7	1577.3	1609.8
55°	194.5	194.9	190.0	177.6	213.7	222.4	225.7	527.2	1369.6	1785.5	1986.7
57.5°	194.9	193.7	181.2	178.2	213.9	206.1	234.5	376.1	1317.4	1876.0	2355.5
60°	193.5	187.4	170.6	183.7	204.5	186.9	228.1	245.3	1179.8	1806.5	2376.9
62.5°	187.2	178.2	161.5	186.7	187.8	175.5	207.1	189.0	996.3	1657.7	2170.6
65°	178.0	165.9	153.7	180.4	170.8	170.2	155.8	151.5	801.2	1480.5	1974.9
67.5°	162.9	150.9	148.0	165.9	153.7	150.9	125.2	125.6	639.3	1291.7	1778.2
70°	145.8	133.7	136.0	150.0	136.8	125.4	101.3	104.6	485.0	1076.2	1512.9
72.5°	134.6	118.4	118.7	132.1	120.3	101.5	83.4	86.2	307.8	811.2	1202.8
75°	113.6	104.4	99.9	107.0	102.1	79.1	70.1	69.5	182.5	581.4	900.7
77.5°	94.8	87.7	85.4	88.3	76.2	58.5	56.5	55.5	103.4	372.5	590.2
80°	68.7	66.9	66.7	68.1	58.7	43.0	43.0	43.2	55.7	202.2	332.7
82.5°	43.6	47.7	42.2	46.9	40.0	30.6	28.5	32.4	32.0	86.2	140.3
85°	18.1	24.9	23.2	24.7	19.0	16.7	17.9	19.4	18.6	33.2	54.6
87.5°	3.5	4.1	4.5	4.3	4.3	5.3	5.9	7.1	7.1	9.6	16.5
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°	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
2.5°	365.5	371.5	370.2	372.9	369.4	370.6	363.7	361.9	360.6	361.1
5°	403.1	415.1	417.3	421.8	418.7	418.7	406.5	397.3	394.1	391.6
7.5°	441.2	458.5	469.9	471.1	469.5	466.3	448.5	432.0	426.1	421.0
10°	475.0	495.8	508.7	514.8	511.7	506.6	484.6	462.0	454.8	450.3
12.5°	500.9	519.3	527.8	531.9	531.5	529.7	511.7	487.2	479.7	472.8
15°	517.6	526.8	523.5	523.3	526.2	533.5	528.0	508.9	500.1	493.8
17.5°	528.4	519.7	505.2	498.5	504.6	521.9	534.5	523.7	515.8	508.9
20°	532.3	501.1	480.1	467.7	474.8	499.9	531.1	534.5	527.8	522.1
22.5°	527.8	478.5	449.9	435.3	442.2	472.2	520.9	543.3	538.8	533.3
25°	516.8	454.8	420.6	407.3	414.9	445.5	502.7	551.5	551.7	547.2
27.5°	503.2	433.0	400.0	387.6	394.9	423.4	485.0	558.6	565.7	564.1
30°	489.3	420.0	390.2	381.4	386.9	412.2	466.9	565.9	580.2	583.1
32.5°	483.0	426.3	413.2	417.1	410.0	418.7	460.3	576.3	597.7	602.4
35°	491.3	482.4	515.4	530.7	505.4	472.2	468.7	592.0	622.4	629.3
37.5°	531.9	602.4	651.8	705.6	661.8	588.6	510.1	618.7	657.7	668.7
40°	620.2	707.2	796.3	865.8	799.6	701.1	588.8	658.5	706.2	716.2
42.5°	703.4	805.5	928.2	1018.1	932.1	793.1	673.6	725.4	770.2	775.7
45°	784.9	901.9	1087.8	1212.8	1096.0	880.5	760.2	838.3	872.2	872.4
47.5°	880.5	1010.6	1288.0	1466.0	1313.5	977.4	841.6	1017.1	1064.2	1041.2
50°	994.9	1118.6	1494.2	1760.6	1578.8	1096.4	944.9	1235.0	1299.3	1273.2
52.5°	1148.0	1237.7	1721.3	2047.9	1867.9	1232.0	1094.8	1522.9	1544.1	1495.4
55°	1363.5	1409.6	2012.8	2402.6	2190.6	1399.0	1313.9	1884.2	1824.8	1685.2
57.5°	1854.2	1681.5	2387.1	2807.3	2555.7	1702.3	1794.3	2282.5	2071.5	1836.1
60°	2264.8	2011.8	2733.5	3208.9	2868.7	2036.7	2245.2	2351.8	2062.3	1819.3
62.5°	2126.4	2096.0	2858.5	3253.1	2975.5	2201.2	2161.4	2177.1	1927.8	1708.2
65°	1865.6	1933.5	2746.9	3043.4	2857.0	2053.8	1955.1	2015.7	1773.9	1552.7
67.5°	1711.7	1761.6	2548.6	2707.6	2641.7	1894.4	1794.7	1750.8	1534.9	1347.0
70°	1554.3	1595.7	2270.1	2286.2	2306.0	1629.3	1467.5	1337.0	1144.1	1012.6
72.5°	1343.1	1345.3	1918.0	1824.6	1862.1	1275.0	1181.2	999.6	832.8	713.5
75°	1126.8	1065.2	1518.2	1275.4	1350.6	991.8	980.8	753.3	628.1	530.3
77.5°	859.1	787.1	1109.1	838.7	948.6	660.5	737.4	510.9	442.0	352.9
80°	576.7	531.9	612.8	473.4	620.6	455.2	480.9	289.5	251.0	194.7
82.5°	304.2	259.7	378.8	280.7	374.3	250.1	180.4	89.5	76.2	61.6
85°	117.8	136.4	185.7	99.9	145.2	89.3	52.2	22.2	18.6	14.1
87.5°	22.8	35.3	19.4	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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