

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: P628970

Luminaire Tested: GWS-SA1A-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1530.6 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

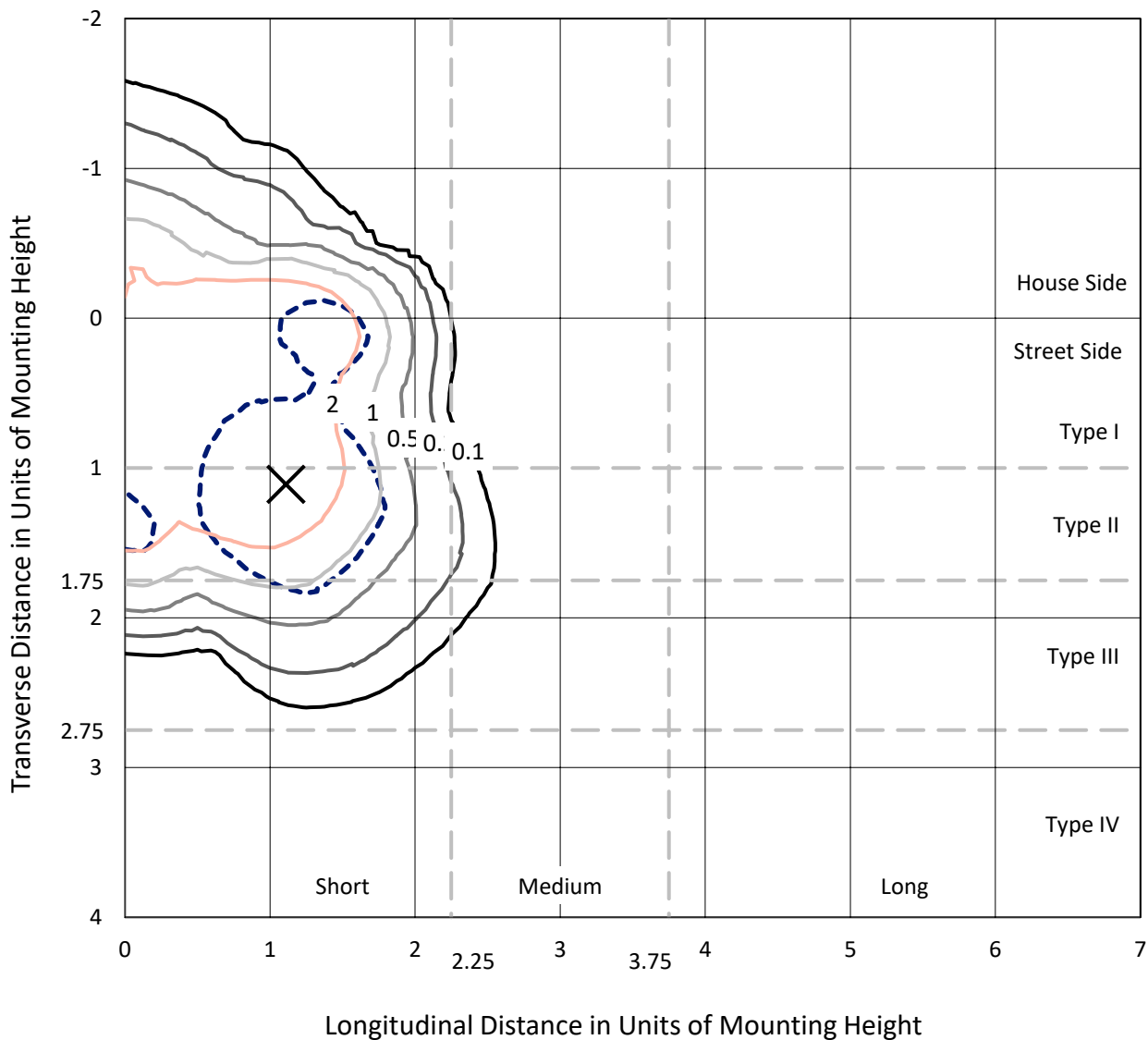
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

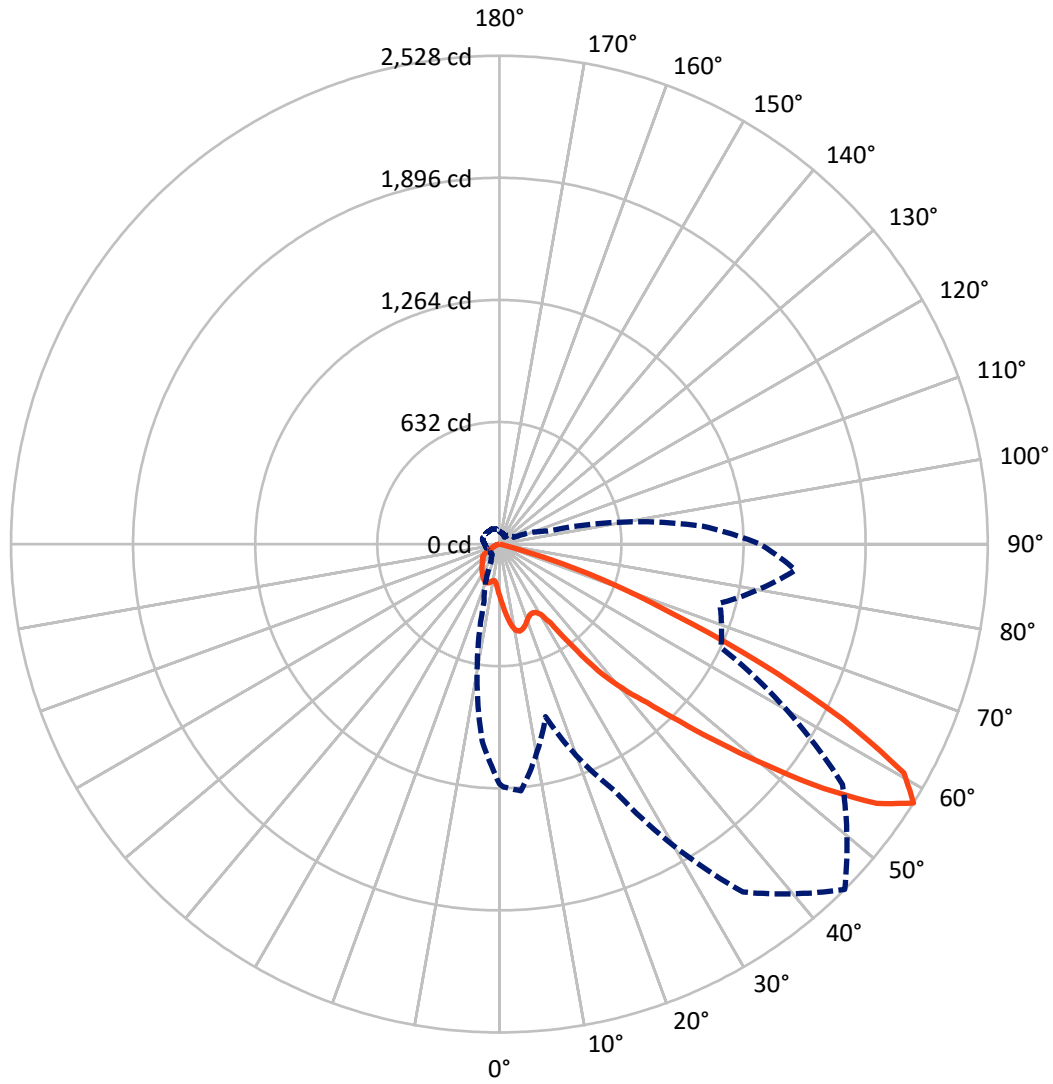
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	342.7	0.0	342.7
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	1187.9	0.0	1187.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	1530.6	0.0	1530.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	1.7
10°-20°	85.6	5.6
20°-30°	139.1	9.1
30°-40°	214.9	14.0
40°-50°	344.6	22.5
50°-60°	470.9	30.8
60°-70°	228.1	14.9
70°-80°	20.9	1.4
80°-90°	0.1	0.0
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°	1530.6	100.0
0°-180°	1530.6	100.0

Coefficient of Utilization



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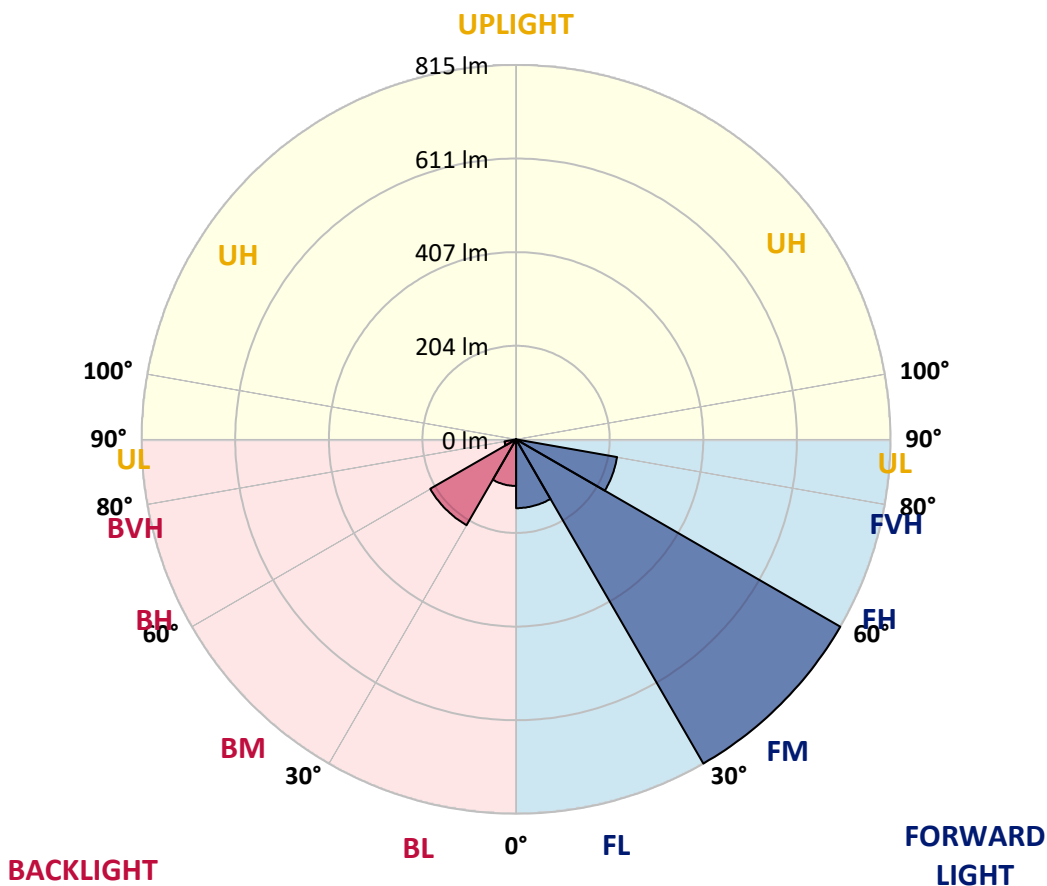
CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.7	9.8			
FM (30°-60°)	814.8	53.2			
FH (60°-80°)	223.3	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	101.4	6.6	B0/110		
BM (30°-60°)	215.6	14.1	B0/220		
BH (60°-80°)	25.7	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0
2.5°	291.4	293.3	296.4	303.0	308.5	312.2	313.9	313.4	311.2	309.5	306.2
5°	322.7	322.7	328.7	343.7	355.2	362.4	366.1	363.8	359.3	352.1	341.0
7.5°	350.1	351.1	361.2	382.6	400.0	410.3	416.3	415.0	407.0	393.2	371.0
10°	371.4	372.7	386.0	412.2	432.7	443.2	452.1	452.9	444.0	425.7	400.2
12.5°	392.2	393.5	407.4	432.5	450.6	454.9	462.8	465.8	463.6	450.6	424.1
15°	414.6	417.5	429.4	448.2	455.8	450.6	455.8	461.3	468.9	467.7	443.8
17.5°	436.6	438.7	450.8	457.4	449.0	435.6	438.1	444.7	461.9	478.8	463.4
20°	457.0	459.9	470.0	461.3	435.8	415.0	415.3	423.9	450.2	485.6	483.3
22.5°	478.4	482.7	489.9	465.6	423.7	398.8	399.8	407.6	441.0	492.0	506.0
25°	506.4	510.5	515.2	476.3	419.8	390.8	394.7	401.9	441.0	502.9	533.9
27.5°	544.2	547.1	547.3	496.3	426.6	392.0	400.2	408.5	454.1	524.7	571.4
30°	591.7	596.2	590.3	527.3	447.7	408.5	420.6	430.9	482.5	561.5	626.5
32.5°	649.5	655.9	647.9	573.4	492.0	465.2	487.2	493.2	527.8	614.8	689.0
35°	717.4	722.7	714.1	637.2	595.2	600.2	640.1	632.4	618.7	680.4	762.0
37.5°	791.8	796.8	780.1	733.8	747.8	769.2	833.0	806.9	762.4	764.9	841.2
40°	860.1	865.5	839.3	838.9	867.7	906.8	983.7	947.7	887.3	875.5	915.4
42.5°	930.9	934.6	910.9	894.9	960.3	1040.7	1122.1	1073.6	970.0	957.2	1008.4
45°	1031.9	1039.7	997.5	922.4	1043.6	1194.8	1308.3	1213.5	1026.3	1016.0	1150.7
47.5°	1180.4	1186.1	1100.1	939.7	1121.1	1386.6	1540.9	1394.9	1075.9	1052.4	1345.3
50°	1303.1	1307.0	1194.5	958.6	1203.6	1593.5	1806.0	1610.0	1131.6	1112.7	1526.9
52.5°	1393.6	1408.4	1318.6	997.5	1312.0	1836.9	2099.5	1864.8	1218.6	1229.1	1677.5
55°	1412.4	1432.5	1403.3	1021.4	1407.4	2084.7	2370.6	2092.9	1305.4	1317.3	1728.1
57.5°	1241.2	1257.3	1281.5	925.1	1405.2	2198.2	2527.9	2168.6	1265.9	1181.4	1538.6
60°	929.8	941.0	985.0	707.1	1292.2	2097.9	2405.3	2039.9	1106.9	901.5	1172.3
62.5°	551.4	556.3	612.1	458.0	1072.6	1806.6	1994.8	1760.1	874.7	606.3	718.0
65°	211.6	209.6	252.2	226.0	788.8	1439.1	1483.7	1341.8	600.2	277.9	273.7
67.5°	32.7	31.3	42.2	66.8	568.9	997.3	979.0	967.1	376.0	64.8	56.6
70°	7.4	7.4	9.0	19.7	347.6	586.0	627.1	597.9	240.6	13.8	7.4
72.5°	3.5	3.5	4.3	8.4	125.9	241.5	281.4	277.0	78.2	4.5	2.7
75°	1.2	1.4	1.4	1.9	7.6	12.5	28.8	20.6	4.9	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0
2.5°	299.0	297.6	292.3	285.1	278.1	271.9	265.5	257.9	252.4	246.0	243.9
5°	332.4	323.3	308.7	293.5	279.5	267.6	256.1	243.7	234.7	225.6	222.5
7.5°	360.5	347.2	323.5	300.7	281.6	264.7	248.0	231.2	218.0	207.3	204.0
10°	385.8	370.4	338.7	310.6	286.5	267.0	246.8	225.6	208.6	195.8	192.7
12.5°	407.6	389.7	351.7	318.0	288.6	266.1	246.6	229.7	214.3	199.7	195.8
15°	425.9	406.2	362.6	322.9	285.5	255.9	238.8	236.1	234.9	218.8	211.2
17.5°	443.8	421.6	371.4	325.2	276.8	237.8	225.4	237.6	250.5	240.0	230.4
20°	462.6	437.3	380.5	325.6	262.4	217.4	215.3	234.5	250.9	247.6	238.6
22.5°	484.6	456.8	391.8	325.4	244.3	200.1	207.9	228.5	241.9	241.7	234.5
25°	516.4	481.5	407.0	326.6	224.6	186.8	199.7	218.4	229.3	228.9	222.9
27.5°	550.6	510.9	426.8	329.7	207.7	178.9	190.0	204.6	214.1	213.7	208.6
30°	598.5	544.8	445.7	329.9	195.6	174.8	179.3	189.4	198.5	197.4	193.5
32.5°	656.7	583.1	461.5	318.2	188.0	170.9	168.2	173.4	180.4	178.9	177.9
35°	727.1	628.5	475.1	292.5	176.3	163.1	155.9	156.9	161.9	162.7	162.3
37.5°	807.3	682.6	492.0	258.5	160.4	151.8	142.1	141.3	144.2	146.9	148.9
40°	886.4	743.5	514.8	224.2	146.0	137.4	128.1	126.1	127.3	132.0	136.4
42.5°	975.5	814.1	539.5	194.8	136.2	121.6	112.7	108.8	112.3	119.9	125.0
45°	1103.8	913.0	563.5	171.3	132.0	107.6	95.6	95.2	99.1	109.0	114.8
47.5°	1284.0	1040.9	579.4	153.0	131.8	96.7	82.5	84.9	89.5	99.1	105.7
50°	1459.7	1201.1	561.9	139.0	127.5	89.5	72.6	77.5	82.1	90.5	97.3
52.5°	1565.6	1287.3	493.8	125.9	114.1	86.2	62.9	71.6	72.4	80.0	87.2
55°	1554.5	1231.6	378.2	105.5	94.4	81.4	52.9	64.6	65.0	70.8	76.9
57.5°	1349.2	1057.4	259.8	85.6	71.0	67.3	43.6	54.5	58.4	61.9	66.4
60°	1005.5	771.5	115.8	69.5	45.0	45.5	37.2	41.1	47.1	51.2	55.1
62.5°	592.5	443.8	47.1	41.8	24.9	28.6	30.0	30.0	33.7	36.8	39.3
65°	224.0	155.3	19.1	21.0	13.0	13.4	17.7	21.8	24.7	27.4	30.6
67.5°	39.3	27.1	9.9	7.8	7.6	6.8	9.0	14.2	15.8	17.9	19.3
70°	6.6	5.6	4.1	3.9	3.5	3.7	6.0	10.1	11.1	11.7	12.3
72.5°	1.9	1.6	1.2	1.0	0.8	1.0	3.7	7.8	8.2	8.6	9.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.6	6.0	6.2	6.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.6	2.1	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0
2.5°	242.7	238.6	236.3	235.1	235.1	233.4	231.6	231.0	233.6	233.6	238.2
5°	218.6	215.3	211.6	209.4	205.9	206.5	204.4	204.2	206.9	208.1	212.9
7.5°	202.0	197.9	195.6	194.2	192.3	191.5	189.6	189.0	190.5	192.5	197.0
10°	190.9	190.2	190.0	191.1	191.1	190.0	188.4	187.4	187.8	191.7	196.8
12.5°	193.7	195.0	195.4	197.0	197.9	197.0	195.8	196.2	198.9	206.1	213.7
15°	206.3	205.3	204.8	205.7	206.3	205.5	205.1	208.1	217.4	227.7	236.3
17.5°	219.7	213.1	210.2	210.2	210.6	210.2	210.6	216.6	231.6	241.9	248.2
20°	226.4	214.3	209.8	208.8	209.6	209.8	211.2	218.0	234.5	241.7	243.1
22.5°	224.4	209.2	204.0	203.2	204.0	204.8	206.3	212.0	227.5	231.2	230.6
25°	214.1	199.1	195.0	195.0	196.8	196.6	197.2	201.4	214.1	216.4	215.3
27.5°	201.1	187.0	183.5	185.5	187.2	186.8	187.0	190.5	199.9	200.5	199.5
30°	188.0	175.6	172.4	174.8	177.1	176.7	176.9	180.4	186.3	185.7	184.3
32.5°	174.6	165.6	163.1	164.5	168.0	167.6	168.4	172.1	174.4	171.7	170.1
35°	162.3	157.5	155.7	156.5	159.2	159.8	161.2	163.7	163.7	160.4	157.5
37.5°	150.8	150.1	148.9	147.9	150.3	152.2	154.3	157.1	153.0	148.3	145.6
40°	140.1	142.7	141.1	138.4	139.9	142.5	146.6	148.9	144.0	139.2	134.7
42.5°	130.2	134.7	134.1	130.8	132.0	134.5	139.2	141.1	135.3	130.0	125.7
45°	120.7	127.1	127.5	123.4	124.6	127.1	132.7	133.3	125.9	120.1	117.0
47.5°	112.5	119.5	119.7	116.6	117.0	120.5	125.7	125.9	117.4	112.1	108.2
50°	104.7	112.7	113.3	110.7	111.1	115.2	119.5	118.7	109.6	104.1	100.6
52.5°	95.2	106.1	107.6	106.3	108.0	111.3	113.9	111.1	100.6	95.0	91.9
55°	84.9	99.1	102.2	101.4	103.2	105.9	106.5	104.7	91.5	86.0	83.1
57.5°	73.0	81.7	87.0	85.4	86.8	89.5	91.3	89.9	80.0	75.7	73.2
60°	60.5	66.2	67.5	64.8	63.6	68.3	72.6	70.8	62.3	59.6	56.8
62.5°	44.2	50.8	51.6	48.1	46.7	51.8	55.5	53.7	44.4	41.5	39.3
65°	35.4	41.5	43.2	39.9	39.1	43.0	45.2	40.7	34.1	31.1	28.6
67.5°	23.2	28.2	32.5	32.3	30.6	31.9	30.2	26.5	21.8	20.2	18.5
70°	14.4	17.3	20.0	21.0	20.8	20.4	18.1	15.4	14.0	13.4	12.5
72.5°	11.1	14.0	16.0	16.7	16.9	16.2	14.4	11.9	10.5	9.7	9.0
75°	8.2	10.5	12.1	13.0	13.4	13.0	11.1	9.5	8.0	7.4	6.8
77.5°	2.9	3.5	4.3	4.7	4.5	4.3	3.9	3.9	3.1	2.9	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0	269.0
2.5°	243.3	247.0	253.8	260.0	266.6	273.3	280.7	288.4	291.8	291.4
5°	220.1	228.1	239.2	251.3	264.9	279.5	295.8	312.4	319.6	322.7
7.5°	205.5	216.8	231.4	246.8	264.7	285.5	309.9	336.1	346.6	350.1
10°	207.3	220.5	232.6	247.6	266.8	293.7	324.1	355.2	367.5	371.4
12.5°	222.3	225.2	228.5	240.8	264.9	299.9	337.1	374.1	388.3	392.2
15°	235.9	222.5	216.4	227.7	258.3	304.2	350.3	394.5	410.1	414.6
17.5°	236.5	216.4	202.6	211.4	247.6	306.0	363.2	415.3	432.3	436.6
20°	228.9	209.6	191.9	192.1	233.0	305.6	373.9	434.0	453.1	457.0
22.5°	217.8	201.6	183.3	176.9	217.4	304.8	385.6	453.9	474.7	478.4
25°	205.5	191.3	175.0	165.4	201.8	305.6	402.1	480.0	502.9	506.4
27.5°	192.1	180.0	168.7	160.8	188.6	308.7	421.8	513.4	540.5	544.2
30°	178.1	169.1	164.5	159.8	180.4	309.5	443.2	552.2	586.6	591.7
32.5°	164.3	159.4	159.6	160.4	172.6	303.8	462.8	595.4	641.3	649.5
35°	151.6	150.1	154.3	158.4	161.2	289.0	479.8	646.4	709.0	717.4
37.5°	140.7	141.9	147.1	151.2	148.9	268.0	502.5	710.2	784.6	791.8
40°	130.2	133.3	139.2	141.1	139.4	243.5	529.6	771.7	850.2	860.1
42.5°	120.5	122.8	131.2	131.6	136.8	218.6	555.7	837.9	925.7	930.9
45°	112.7	112.3	120.9	123.6	140.3	191.1	581.2	926.1	1024.5	1031.9
47.5°	105.1	104.7	106.7	118.9	141.7	165.6	606.5	1055.3	1167.6	1180.4
50°	97.9	98.5	92.1	116.6	133.9	146.0	618.0	1174.8	1297.8	1303.1
52.5°	91.5	89.3	78.2	109.2	117.2	127.5	585.3	1229.1	1378.4	1393.6
55°	82.5	69.9	64.4	88.6	92.6	111.3	479.4	1197.6	1385.4	1412.4
57.5°	70.5	54.9	54.7	65.4	65.4	103.2	307.1	1023.2	1193.9	1241.2
60°	54.3	42.6	45.2	45.5	42.0	75.3	172.4	741.2	882.7	929.8
62.5°	38.7	32.5	34.1	27.1	24.1	37.6	82.7	426.8	544.8	551.4
65°	25.9	22.0	17.9	15.0	14.8	16.0	34.1	154.3	187.6	211.6
67.5°	17.1	13.4	9.5	9.5	10.7	10.7	13.0	25.5	35.8	32.7
70°	11.1	9.3	6.0	5.8	7.0	7.0	6.6	7.0	7.4	7.4
72.5°	8.2	7.0	3.5	3.1	3.9	4.1	3.7	3.5	3.5	3.5
75°	6.2	4.9	2.1	1.4	1.9	2.5	2.1	1.4	1.4	1.2
77.5°	2.5	1.9	0.8	0.6	1.0	1.4	1.2	0.6	0.4	0.4
80°	0.2	0.4	0.4	0.4	0.6	0.8	1.0	0.4	0.2	0.2
82.5°	0.0	0.2	0.2	0.2	0.4	0.6	0.8	0.4	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.4	0.6	0.4	0.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.2	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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