

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: P629630

Luminaire Tested: GWS-SA1C-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629630
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1888.8 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

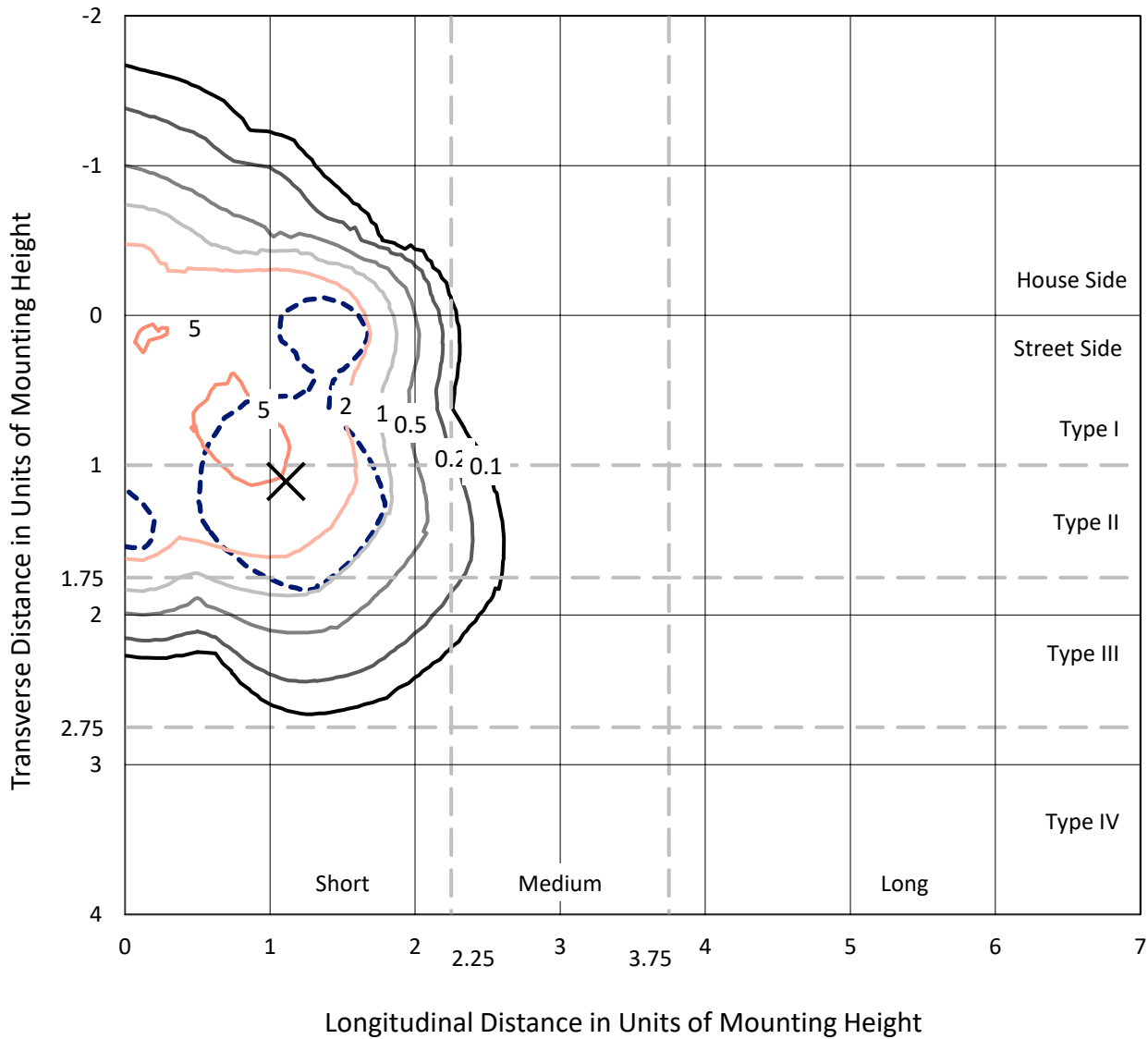
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

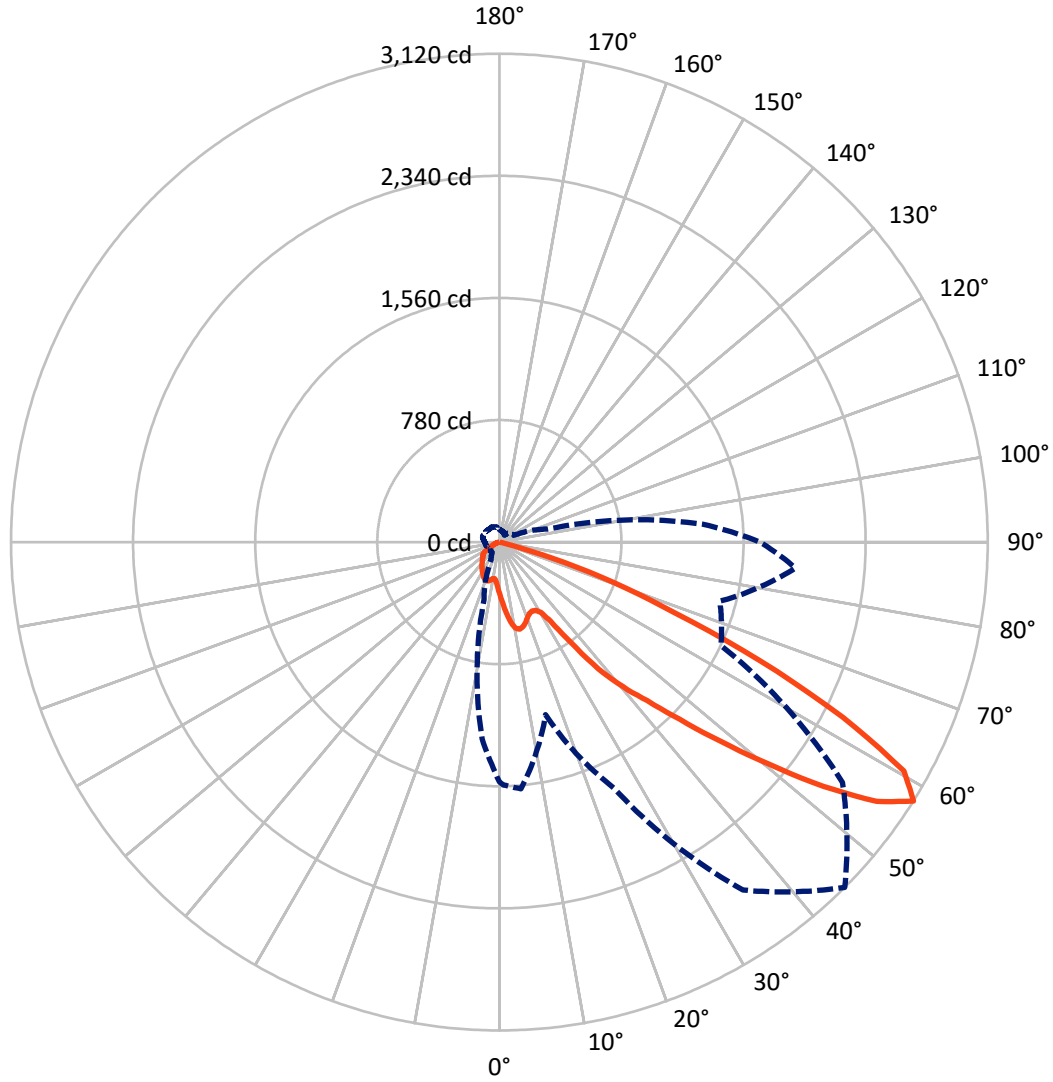
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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	423.0	0.0	423.0
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	1465.9	0.0	1465.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	1888.8	0.0	1888.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.7
10°-20°	105.6	5.6
20°-30°	171.6	9.1
30°-40°	265.2	14.0
40°-50°	425.2	22.5
50°-60°	581.2	30.8
60°-70°	281.5	14.9
70°-80°	25.8	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°	1888.8	100.0
0°-180°	1888.8	100.0

Coefficient of Utilization



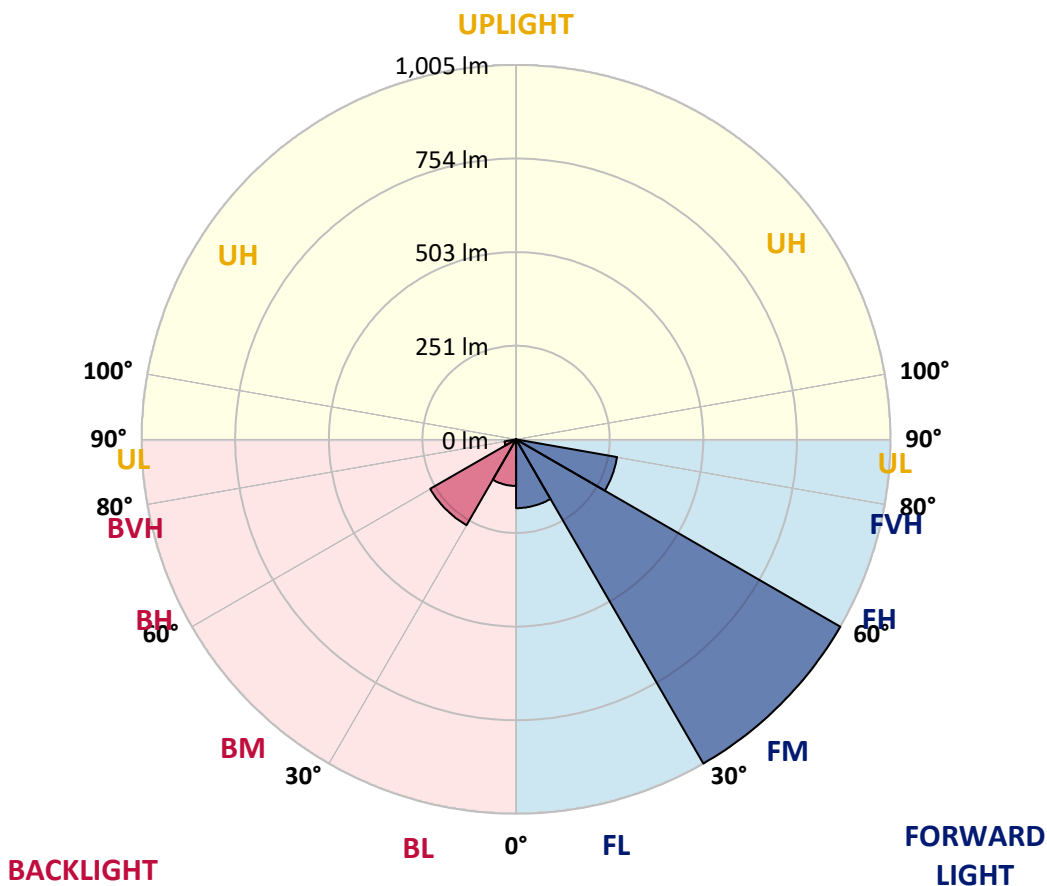
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.8	9.8			
FM (30°-60°)	1005.5	53.2			
FH (60°-80°)	275.5	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	125.1	6.6	B1/500		
BM (30°-60°)	266.1	14.1	B1/1000		
BH (60°-80°)	31.7	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: B1-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0
2.5°	359.6	361.9	365.7	373.9	380.7	385.3	387.3	386.8	384.0	382.0	377.9
5°	398.2	398.2	405.6	424.1	438.3	447.2	451.8	449.0	443.4	434.5	420.8
7.5°	432.0	433.2	445.7	472.1	493.7	506.3	513.7	512.2	502.3	485.3	457.9
10°	458.4	459.9	476.4	508.6	534.0	546.9	557.9	558.9	548.0	525.4	493.9
12.5°	484.0	485.5	502.8	533.8	556.1	561.4	571.1	574.9	572.1	556.1	523.3
15°	511.7	515.2	529.9	553.0	562.4	556.1	562.4	569.3	578.7	577.2	547.7
17.5°	538.8	541.4	556.3	564.5	554.1	537.6	540.6	548.7	570.0	590.9	571.8
20°	564.0	567.5	579.9	569.3	537.8	512.2	512.4	523.1	555.6	599.2	596.4
22.5°	590.4	595.7	604.6	574.6	522.8	492.1	493.4	503.0	544.2	607.1	624.4
25°	624.9	629.9	635.8	587.8	518.0	482.2	487.1	495.9	544.2	620.6	658.9
27.5°	671.6	675.1	675.4	612.4	526.4	483.8	493.9	504.1	560.4	647.5	705.1
30°	730.2	735.8	728.4	650.8	552.5	504.1	519.0	531.7	595.4	692.9	773.1
32.5°	801.5	809.4	799.5	707.6	607.1	574.1	601.3	608.6	651.3	758.6	850.2
35°	885.3	891.9	881.2	786.3	734.5	740.6	789.8	780.5	763.4	839.6	940.3
37.5°	977.1	983.2	962.7	905.6	922.8	949.2	1027.9	995.7	940.9	943.9	1038.1
40°	1061.4	1068.0	1035.8	1035.3	1070.8	1119.0	1213.9	1169.5	1094.9	1080.4	1129.7
42.5°	1148.7	1153.3	1124.1	1104.3	1185.0	1284.3	1384.8	1324.9	1196.9	1181.2	1244.4
45°	1273.3	1283.0	1231.0	1138.3	1287.8	1474.4	1614.5	1497.4	1266.5	1253.8	1420.0
47.5°	1456.6	1463.7	1357.6	1159.6	1383.5	1711.2	1901.5	1721.3	1327.7	1298.7	1660.1
50°	1608.1	1612.9	1474.1	1183.0	1485.3	1966.5	2228.7	1986.8	1396.4	1373.1	1884.2
52.5°	1719.8	1738.1	1627.1	1231.0	1619.0	2266.7	2590.8	2301.2	1503.8	1516.7	2070.0
55°	1742.9	1767.8	1731.7	1260.4	1736.8	2572.6	2925.4	2582.7	1610.9	1625.6	2132.5
57.5°	1531.7	1551.5	1581.5	1141.6	1734.0	2712.7	3119.5	2676.1	1562.2	1457.9	1898.7
60°	1147.5	1161.2	1215.5	872.6	1594.7	2588.8	2968.2	2517.2	1366.0	1112.4	1446.7
62.5°	680.5	686.5	755.3	565.2	1323.6	2229.4	2461.7	2172.1	1079.4	748.2	886.0
65°	261.2	258.6	311.2	278.9	973.3	1775.9	1830.9	1655.8	740.6	342.9	337.8
67.5°	40.4	38.6	52.0	82.5	702.0	1230.7	1208.1	1193.4	464.0	79.9	69.8
70°	9.1	9.1	11.2	24.4	428.9	723.1	773.9	737.8	297.0	17.0	9.1
72.5°	4.3	4.3	5.3	10.4	155.3	298.0	347.2	341.9	96.4	5.6	3.3
75°	1.5	1.8	1.8	2.3	9.4	15.5	35.5	25.4	6.1	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	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°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0
2.5°	369.0	367.3	360.7	351.8	343.1	335.5	327.7	318.3	311.4	303.6	301.0
5°	410.1	399.0	381.0	362.2	344.9	330.2	316.0	300.8	289.6	278.4	274.6
7.5°	444.9	428.4	399.2	371.1	347.5	326.6	306.1	285.3	269.0	255.8	251.8
10°	476.1	457.1	418.0	383.2	353.6	329.4	304.6	278.4	257.4	241.6	237.8
12.5°	503.0	481.0	434.0	392.4	356.1	328.4	304.3	283.5	264.5	246.4	241.6
15°	525.6	501.3	447.5	398.5	352.3	315.7	294.7	291.4	289.8	270.0	260.7
17.5°	547.7	520.3	458.4	401.3	341.6	293.4	278.2	293.1	309.1	296.2	284.3
20°	570.8	539.6	469.5	401.8	323.9	268.3	265.7	289.3	309.6	305.6	294.4
22.5°	598.0	563.7	483.5	401.5	301.5	247.0	256.6	282.0	298.5	298.2	289.3
25°	637.3	594.2	502.3	403.0	277.2	230.5	246.4	269.5	283.0	282.5	275.1
27.5°	679.4	630.5	526.6	406.8	256.3	220.8	234.5	252.5	264.2	263.7	257.4
30°	738.6	672.3	550.0	407.1	241.4	215.7	221.3	233.8	244.9	243.7	238.8
32.5°	810.4	719.5	569.5	392.6	232.0	210.9	207.6	214.0	222.6	220.8	219.5
35°	897.2	775.6	586.3	360.9	217.5	201.3	192.4	193.7	199.7	200.8	200.3
37.5°	996.2	842.4	607.1	319.0	198.0	187.3	175.4	174.4	177.9	181.2	183.8
40°	1093.9	917.5	635.3	276.6	180.2	169.5	158.1	155.6	157.1	162.9	168.3
42.5°	1203.8	1004.6	665.7	240.4	168.0	150.0	139.1	134.3	138.6	148.0	154.3
45°	1362.2	1126.6	695.4	211.4	162.9	132.7	118.0	117.5	122.3	134.5	141.6
47.5°	1584.5	1284.5	715.0	188.8	162.7	119.3	101.8	104.8	110.4	122.3	130.5
50°	1801.3	1482.2	693.4	171.6	157.4	110.4	89.6	95.7	101.3	111.7	120.0
52.5°	1932.0	1588.6	609.4	155.3	140.9	106.3	77.7	88.3	89.3	98.7	107.6
55°	1918.3	1519.8	466.7	130.2	116.5	100.5	65.2	79.7	80.2	87.3	94.9
57.5°	1665.0	1304.8	320.6	105.6	87.6	83.0	53.8	67.3	72.1	76.4	82.0
60°	1240.9	952.0	142.9	85.8	55.6	56.1	45.9	50.8	58.1	63.2	68.0
62.5°	731.2	547.7	58.1	51.5	30.7	35.3	37.1	37.1	41.6	45.4	48.5
65°	276.4	191.6	23.6	25.9	16.0	16.5	21.8	26.9	30.5	33.8	37.8
67.5°	48.5	33.5	12.2	9.6	9.4	8.4	11.2	17.5	19.5	22.1	23.9
70°	8.1	6.9	5.1	4.8	4.3	4.6	7.4	12.4	13.7	14.5	15.2
72.5°	2.3	2.0	1.5	1.3	1.0	1.3	4.6	9.6	10.2	10.7	11.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.9	7.4	7.6	8.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.0	2.5	2.0
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°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0
2.5°	299.5	294.4	291.6	290.1	290.1	288.1	285.8	285.0	288.3	288.3	293.9
5°	269.8	265.7	261.2	258.4	254.1	254.8	252.3	252.0	255.3	256.9	262.7
7.5°	249.2	244.2	241.4	239.6	237.3	236.3	234.0	233.2	235.0	237.6	243.1
10°	235.5	234.8	234.5	235.8	235.8	234.5	232.5	231.2	231.7	236.5	242.9
12.5°	239.1	240.6	241.1	243.1	244.2	243.1	241.6	242.1	245.4	254.3	263.7
15°	254.6	253.3	252.8	253.8	254.6	253.6	253.0	256.9	268.3	281.0	291.6
17.5°	271.1	262.9	259.4	259.4	259.9	259.4	259.9	267.3	285.8	298.5	306.3
20°	279.4	264.5	258.9	257.6	258.6	258.9	260.7	269.0	289.3	298.2	300.0
22.5°	276.9	258.1	251.8	250.8	251.8	252.8	254.6	261.7	280.7	285.3	284.5
25°	264.2	245.7	240.6	240.6	242.9	242.6	243.4	248.5	264.2	267.0	265.7
27.5°	248.2	230.7	226.4	228.9	231.0	230.5	230.7	235.0	246.7	247.5	246.2
30°	232.0	216.7	212.7	215.7	218.5	218.0	218.3	222.6	229.9	229.2	227.4
32.5°	215.5	204.3	201.3	203.0	207.4	206.9	207.9	212.4	215.2	211.9	209.9
35°	200.3	194.4	192.1	193.1	196.4	197.2	199.0	202.0	202.0	198.0	194.4
37.5°	186.0	185.3	183.8	182.5	185.5	187.8	190.4	193.9	188.8	183.0	179.7
40°	172.8	176.1	174.1	170.8	172.6	175.9	181.0	183.8	177.7	171.8	166.2
42.5°	160.7	166.2	165.5	161.4	162.9	166.0	171.8	174.1	167.0	160.4	155.1
45°	149.0	156.9	157.4	152.3	153.8	156.9	163.7	164.5	155.3	148.2	144.4
47.5°	138.8	147.5	147.7	143.9	144.4	148.7	155.1	155.3	144.9	138.3	133.5
50°	129.2	139.1	139.8	136.5	137.1	142.1	147.5	146.4	135.3	128.4	124.1
52.5°	117.5	131.0	132.7	131.2	133.2	137.3	140.6	137.1	124.1	117.3	113.5
55°	104.8	122.3	126.1	125.1	127.4	130.7	131.5	129.2	112.9	106.1	102.5
57.5°	90.1	100.8	107.4	105.3	107.1	110.4	112.7	110.9	98.7	93.4	90.4
60°	74.6	81.7	83.2	79.9	78.4	84.3	89.6	87.3	76.9	73.6	70.1
62.5°	54.6	62.7	63.7	59.4	57.6	64.0	68.5	66.2	54.8	51.3	48.5
65°	43.7	51.3	53.3	49.2	48.2	53.0	55.8	50.3	42.1	38.3	35.3
67.5°	28.7	34.8	40.1	39.8	37.8	39.3	37.3	32.7	26.9	24.9	22.8
70°	17.8	21.3	24.6	25.9	25.6	25.1	22.3	19.0	17.3	16.5	15.5
72.5°	13.7	17.3	19.8	20.6	20.8	20.1	17.8	14.7	12.9	11.9	11.2
75°	10.2	12.9	15.0	16.0	16.5	16.0	13.7	11.7	9.9	9.1	8.4
77.5°	3.6	4.3	5.3	5.8	5.6	5.3	4.8	4.8	3.8	3.6	3.0
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°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0
2.5°	300.3	304.8	313.2	320.8	328.9	337.3	346.4	355.8	360.1	359.6
5°	271.6	281.5	295.2	310.1	326.9	344.9	365.0	385.5	394.4	398.2
7.5°	253.6	267.5	285.5	304.6	326.6	352.3	382.5	414.7	427.7	432.0
10°	255.8	272.1	287.1	305.6	329.2	362.4	400.0	438.3	453.5	458.4
12.5°	274.4	277.9	282.0	297.2	326.9	370.0	416.0	461.7	479.2	484.0
15°	291.1	274.6	267.0	281.0	318.8	375.4	432.2	486.8	506.1	511.7
17.5°	291.9	267.0	250.0	260.9	305.6	377.7	448.2	512.4	533.5	538.8
20°	282.5	258.6	236.8	237.1	287.6	377.2	461.4	535.5	559.1	564.0
22.5°	268.8	248.7	226.1	218.3	268.3	376.1	475.9	560.1	585.8	590.4
25°	253.6	236.0	216.0	204.1	249.0	377.2	496.2	592.4	620.6	624.9
27.5°	237.1	222.1	208.1	198.5	232.7	381.0	520.6	633.5	667.0	671.6
30°	219.8	208.6	203.0	197.2	222.6	382.0	546.9	681.5	723.9	730.2
32.5°	202.8	196.7	197.0	198.0	212.9	374.9	571.1	734.8	791.4	801.5
35°	187.1	185.3	190.4	195.4	199.0	356.6	592.1	797.7	874.9	885.3
37.5°	173.6	175.1	181.5	186.5	183.8	330.7	620.0	876.4	968.3	977.1
40°	160.7	164.5	171.8	174.1	172.1	300.5	653.5	952.3	1049.2	1061.4
42.5°	148.7	151.5	161.9	162.4	168.8	269.8	685.8	1034.0	1142.4	1148.7
45°	139.1	138.6	149.2	152.5	173.1	235.8	717.3	1142.9	1264.2	1273.3
47.5°	129.7	129.2	131.7	146.7	174.9	204.3	748.5	1302.3	1440.9	1456.6
50°	120.8	121.6	113.7	143.9	165.2	180.2	762.7	1449.7	1601.5	1608.1
52.5°	112.9	110.2	96.4	134.8	144.7	157.4	722.3	1516.7	1701.0	1719.8
55°	101.8	86.3	79.4	109.4	114.2	137.3	591.6	1477.9	1709.6	1742.9
57.5°	87.1	67.8	67.5	80.7	80.7	127.4	378.9	1262.7	1473.3	1531.7
60°	67.0	52.5	55.8	56.1	51.8	92.9	212.7	914.7	1089.3	1147.5
62.5°	47.7	40.1	42.1	33.5	29.7	46.4	102.0	526.6	672.3	680.5
65°	32.0	27.2	22.1	18.5	18.3	19.8	42.1	190.4	231.5	261.2
67.5°	21.1	16.5	11.7	11.7	13.2	13.2	16.0	31.5	44.2	40.4
70°	13.7	11.4	7.4	7.1	8.6	8.6	8.1	8.6	9.1	9.1
72.5°	10.2	8.6	4.3	3.8	4.8	5.1	4.6	4.3	4.3	4.3
75°	7.6	6.1	2.5	1.8	2.3	3.0	2.5	1.8	1.8	1.5
77.5°	3.0	2.3	1.0	0.8	1.3	1.8	1.5	0.8	0.5	0.5
80°	0.3	0.5	0.5	0.5	0.8	1.0	1.3	0.5	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.5	0.8	1.0	0.5	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.5	0.8	0.5	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	0.5	0.3	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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