

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: P628973

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

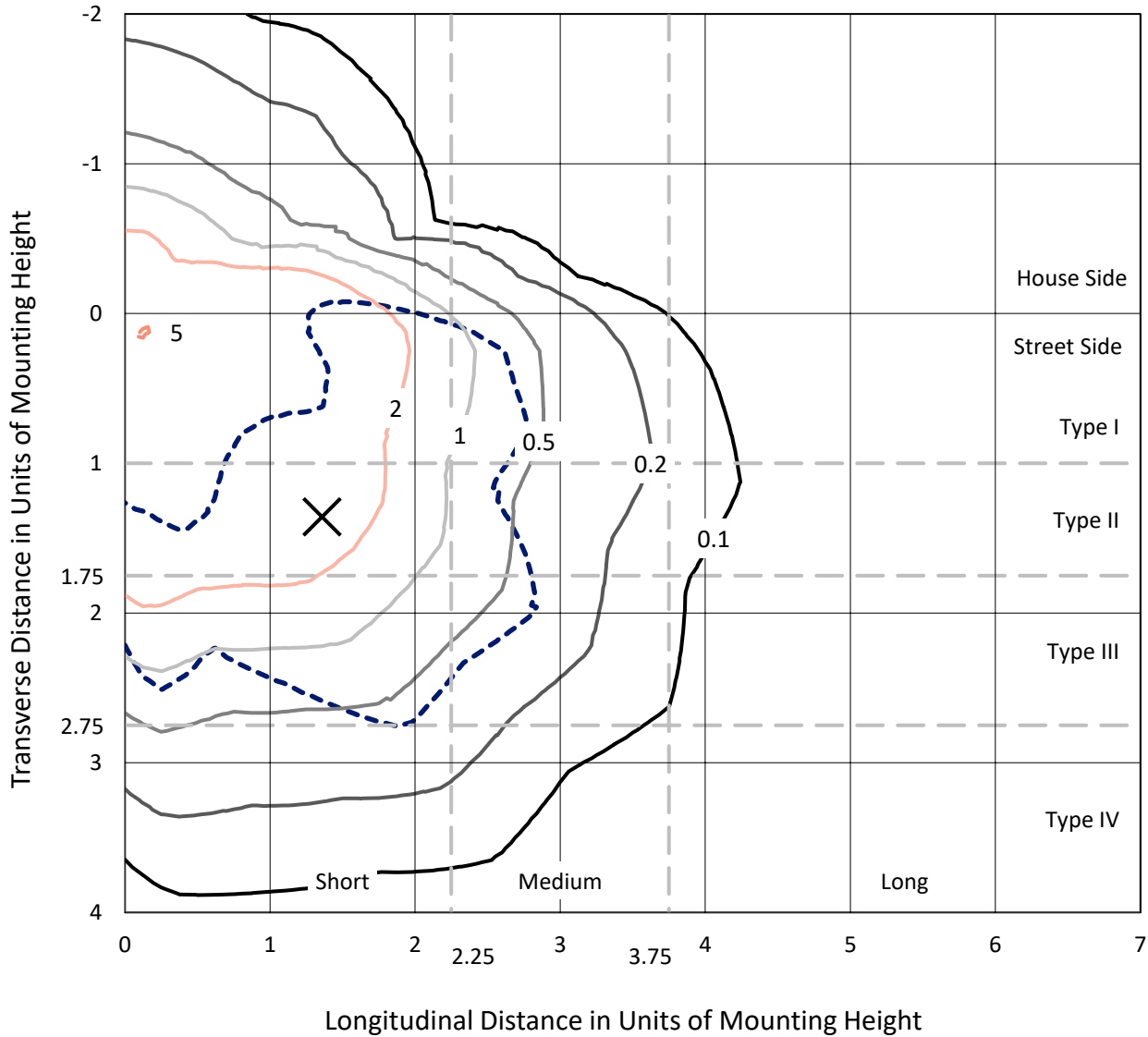
Lumens per Lamp: N/A  
Luminaire Lumens: 2716.6 lumens  
Efficiency: N/A  
Efficacy: 137.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

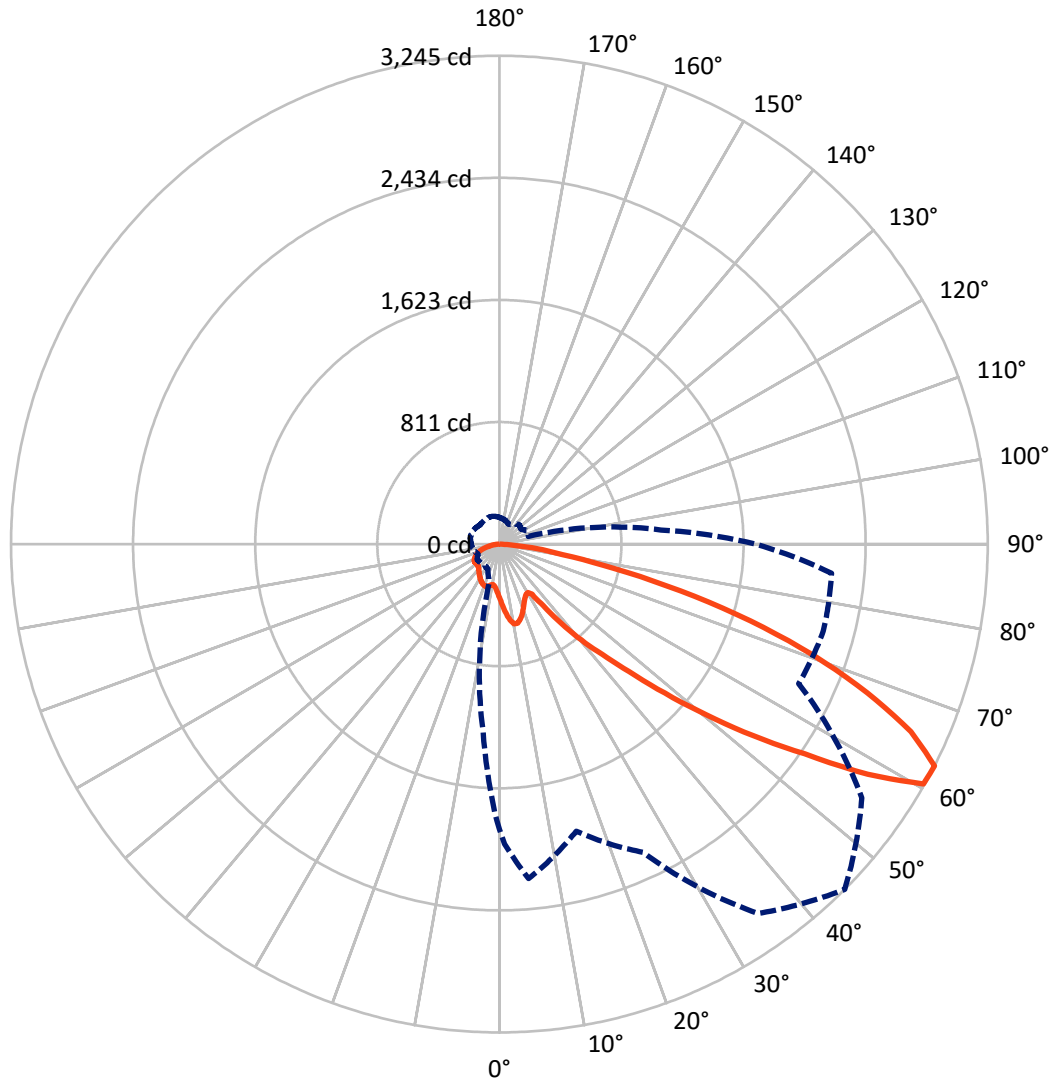
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	648.2	0.0	648.2
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	2068.4	0.0	2068.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	2716.6	0.0	2716.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.2	1.3
10°-20°	110.4	4.1
20°-30°	171.5	6.3
30°-40°	232.8	8.6
40°-50°	368.9	13.6
50°-60°	650.8	24.0
60°-70°	724.1	26.7
70°-80°	367.3	13.5
80°-90°	55.6	2.0
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°	2716.6	100.0
0°-180°	2716.6	100.0

**Coefficient of Utilization**



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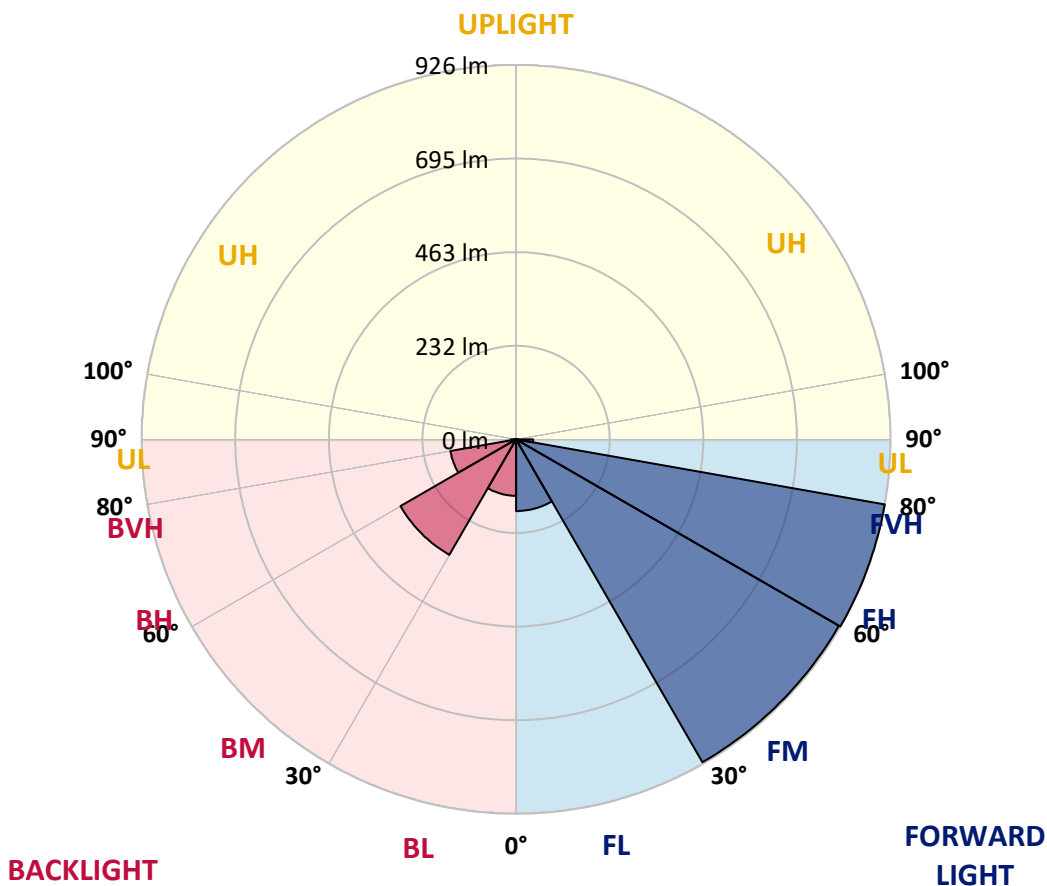
CATALOG NUMBER: GWS-SA1A-760-U-SLR-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.4	6.5			
FM (30°-60°)	922.4	34.0			
FH (60°-80°)	926.4	34.1			G1/1800
FVH (80°-90°)	42.2	1.6			G1/100
BL (0°-30°)	139.7	5.1	B1/500		
BM (30°-60°)	330.1	12.2	B1/1000		
BH (60°-80°)	165.0	6.1	B1/500		G1/500
BVH (80°-90°)	13.4	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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5
2.5°	387.5	387.3	391.2	397.2	402.7	405.2	409.3	408.9	405.6	401.3	399.8
5°	417.9	418.8	425.5	438.7	453.3	459.5	462.2	461.1	455.2	447.5	434.2
7.5°	445.5	446.9	457.4	477.2	495.3	503.5	510.1	508.8	500.2	486.0	466.3
10°	465.6	467.3	479.8	503.1	523.2	530.4	538.9	539.3	531.7	512.5	492.4
12.5°	485.8	487.4	499.2	520.4	533.5	533.7	538.7	541.3	541.7	532.9	512.7
15°	506.8	508.2	518.9	530.8	530.2	518.7	518.7	523.9	535.2	541.5	527.6
17.5°	524.7	526.5	534.8	530.8	512.5	491.8	489.3	495.9	515.6	540.1	538.7
20°	539.5	540.9	545.5	519.5	486.2	459.1	454.3	461.9	488.7	531.3	547.1
22.5°	553.7	554.5	552.0	504.7	457.8	426.8	421.0	429.0	457.8	515.6	554.3
25°	570.5	569.7	558.0	489.3	431.9	401.3	395.3	404.4	434.4	494.9	562.1
27.5°	590.1	587.0	563.1	472.6	412.0	382.3	378.2	387.9	415.9	475.7	568.3
30°	606.7	600.8	564.0	457.8	401.7	374.3	371.9	380.9	406.8	462.8	576.1
32.5°	625.3	617.0	568.7	453.9	407.4	393.7	397.0	397.6	409.3	459.1	587.8
35°	651.8	641.1	581.6	465.2	466.7	489.9	501.8	485.8	446.5	467.3	610.0
37.5°	691.9	678.3	608.0	514.2	589.1	641.1	669.9	633.3	559.6	498.4	643.6
40°	740.6	723.4	641.7	604.7	703.4	786.7	837.9	784.2	676.1	575.9	690.7
42.5°	808.7	790.6	707.1	693.5	809.3	933.4	1000.2	920.2	778.7	676.1	766.1
45°	927.4	909.9	827.0	782.6	933.4	1113.9	1207.7	1096.5	883.0	776.6	907.2
47.5°	1146.6	1126.1	1005.1	881.3	1074.9	1348.4	1479.6	1317.6	991.4	891.8	1144.2
50°	1409.9	1390.2	1228.7	998.1	1231.2	1599.1	1781.6	1577.3	1116.2	1031.9	1427.4
52.5°	1726.6	1722.9	1547.7	1145.8	1393.9	1866.5	2116.6	1865.1	1253.0	1220.5	1748.2
55°	2012.1	2048.3	1952.9	1371.0	1604.1	2202.4	2461.1	2178.9	1438.5	1532.3	2124.0
57.5°	2166.0	2263.2	2409.9	1830.5	1909.7	2603.8	2886.2	2562.1	1757.3	2051.4	2472.4
60°	2064.4	2174.6	2440.3	2176.5	2212.9	2925.5	3237.1	2884.2	2070.3	2411.7	2452.7
62.5°	1895.3	1994.2	2230.5	1974.5	2259.8	2996.3	3245.3	2940.3	2194.8	2228.9	2215.5
65°	1694.8	1794.5	2044.8	1723.6	2110.6	2828.2	3005.9	2775.2	1971.2	2013.8	2018.7
67.5°	1428.4	1520.6	1775.4	1532.5	1923.9	2581.6	2638.4	2539.9	1815.3	1883.2	1812.2
70°	1067.2	1150.3	1375.3	1245.4	1621.7	2260.4	2214.5	2229.1	1640.3	1707.7	1513.8
72.5°	729.3	791.8	984.8	978.6	1241.9	1809.5	1745.6	1884.0	1370.0	1459.5	1154.0
75°	510.1	558.8	711.8	773.1	938.7	1341.2	1243.1	1410.1	1069.9	1197.6	842.0
77.5°	313.0	345.3	449.6	572.8	603.9	917.9	772.1	1061.1	751.3	873.5	561.7
80°	156.5	172.1	218.4	360.1	400.4	540.9	426.4	616.0	508.4	540.9	310.8
82.5°	47.3	52.2	64.0	136.8	207.5	311.4	252.0	357.9	277.7	253.6	122.4
85°	12.5	14.2	17.7	40.5	72.8	111.7	85.1	173.4	133.1	93.6	46.1
87.5°	1.0	1.0	0.8	0.8	0.4	0.0	0.0	12.3	24.9	14.2	8.0
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°	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5
2.5°	392.6	391.8	383.4	377.2	370.0	363.0	355.8	349.4	342.2	335.0	333.0
5°	424.3	418.5	400.7	385.6	370.8	357.9	346.6	334.8	325.4	316.1	312.6
7.5°	452.3	442.2	416.3	393.5	372.9	356.8	340.2	323.1	309.7	296.6	293.3
10°	477.6	464.2	431.5	402.7	379.9	361.6	342.0	319.2	299.9	283.8	279.5
12.5°	496.3	481.7	444.7	411.6	385.6	365.1	345.7	325.6	305.2	284.4	279.7
15°	511.1	495.9	455.6	418.3	385.8	359.3	340.6	333.6	327.2	306.9	298.2
17.5°	523.0	507.0	465.0	422.5	380.3	341.8	325.6	335.9	352.1	339.4	323.1
20°	533.9	517.7	472.2	425.3	368.0	317.8	308.7	330.5	355.0	354.6	340.0
22.5°	545.9	530.0	482.7	427.0	350.7	293.3	298.6	322.7	342.7	348.6	339.6
25°	561.1	547.1	497.3	430.7	331.1	276.4	291.2	312.6	329.3	330.7	325.4
27.5°	578.8	568.3	519.1	439.3	312.2	267.8	282.6	298.4	313.7	314.3	307.9
30°	598.1	591.1	539.3	446.5	298.0	265.1	271.5	284.2	293.9	295.6	290.0
32.5°	622.8	616.6	557.2	441.8	289.6	264.5	261.2	267.8	275.8	275.8	271.5
35°	656.7	648.1	576.1	423.7	279.3	262.0	250.3	252.2	255.7	256.3	253.8
37.5°	704.8	690.7	595.2	387.9	262.4	253.2	237.8	235.5	236.7	238.4	237.8
40°	764.5	741.3	623.2	344.9	242.3	236.1	224.8	220.5	219.5	222.7	224.0
42.5°	839.6	804.0	653.2	304.8	224.0	216.6	209.6	205.9	204.2	209.8	213.1
45°	959.5	900.9	682.0	265.1	213.7	199.9	195.2	192.5	193.3	199.9	204.0
47.5°	1166.6	1048.7	709.4	240.0	212.9	188.0	182.2	182.8	185.1	192.1	197.0
50°	1428.6	1246.8	727.7	229.5	215.3	180.8	173.2	176.5	180.0	186.8	192.5
52.5°	1695.4	1431.3	705.9	223.8	215.1	181.0	164.7	174.6	176.3	183.1	189.2
55°	1878.8	1451.9	609.8	214.9	211.8	189.2	158.2	173.8	174.8	181.0	186.5
57.5°	1948.8	1381.5	465.0	217.4	202.0	195.6	155.3	168.0	175.4	180.8	186.5
60°	1864.2	1248.9	282.6	223.8	186.1	195.2	157.1	157.5	170.3	179.3	185.1
62.5°	1704.8	1078.6	198.5	205.7	174.6	184.3	161.5	145.2	161.2	172.1	177.3
65°	1522.2	878.2	151.4	177.1	169.1	167.4	162.9	134.3	148.9	159.6	164.1
67.5°	1332.0	682.6	123.0	132.0	152.8	151.4	148.9	124.6	134.3	141.9	147.1
70°	1092.3	477.6	103.9	99.1	131.0	135.7	130.2	112.5	115.6	123.4	127.5
72.5°	799.0	297.6	85.4	81.9	105.3	118.7	115.8	99.1	100.6	108.0	111.3
75°	574.7	170.3	68.5	67.5	80.4	101.6	95.8	85.4	87.0	92.6	94.8
77.5°	365.3	94.8	52.9	54.3	57.6	75.9	81.9	73.0	73.0	76.3	78.2
80°	195.6	54.3	38.7	39.3	40.3	58.0	64.6	56.6	56.6	54.3	56.6
82.5°	79.8	31.3	26.5	24.7	26.9	39.7	45.2	36.0	37.6	33.9	34.8
85°	26.3	15.6	13.2	13.0	12.8	17.5	21.8	17.9	21.4	13.6	14.2
87.5°	3.5	2.9	1.6	1.2	1.4	0.6	1.2	1.4	1.4	1.0	1.0
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°	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5
2.5°	331.5	329.9	323.9	325.4	324.3	322.7	324.3	321.3	323.7	324.6	329.7
5°	310.0	306.0	300.3	297.4	296.8	295.1	295.3	293.9	294.3	297.8	303.6
7.5°	290.6	286.9	282.4	280.3	278.5	276.6	276.4	276.2	277.9	281.0	286.5
10°	276.6	274.6	272.7	273.5	272.7	271.9	270.5	270.5	273.1	278.7	285.5
12.5°	276.6	276.2	276.6	279.1	278.9	279.1	277.2	278.3	285.7	295.1	304.8
15°	291.4	288.2	288.2	289.4	289.0	289.0	289.0	293.3	310.2	324.8	335.0
17.5°	309.5	299.9	295.8	295.1	294.9	294.9	295.8	305.0	331.3	346.8	352.7
20°	322.1	303.8	297.0	294.3	294.5	294.9	297.4	310.2	339.2	347.0	345.5
22.5°	324.3	300.7	292.5	288.6	289.2	289.6	293.3	306.9	328.5	329.7	326.8
25°	313.9	292.1	283.2	280.1	281.0	280.7	284.0	293.9	309.3	308.9	307.3
27.5°	298.2	278.3	271.7	269.6	271.1	269.4	270.5	278.1	290.0	289.6	289.0
30°	282.2	264.9	258.9	257.9	259.8	257.3	257.5	263.9	272.1	271.7	271.5
32.5°	266.1	251.5	246.2	246.2	248.0	245.4	245.8	251.3	256.9	255.2	255.2
35°	250.9	240.6	236.3	235.5	236.9	235.1	235.9	241.1	243.1	240.8	239.4
37.5°	237.6	233.0	228.7	225.8	226.0	226.2	228.7	232.6	231.4	228.1	226.2
40°	225.2	225.2	221.1	215.8	215.1	216.6	220.7	225.0	221.5	217.8	215.5
42.5°	216.4	218.2	214.3	209.0	207.7	210.2	214.7	217.8	213.7	209.6	206.5
45°	208.1	212.7	210.0	204.0	202.4	205.3	211.0	212.3	206.7	202.8	200.5
47.5°	202.4	208.6	206.7	200.9	198.5	202.6	208.6	208.3	201.4	197.2	195.4
50°	198.3	206.1	205.9	200.9	198.3	203.4	208.8	206.1	198.5	194.2	192.3
52.5°	195.0	205.9	207.3	204.4	202.6	207.1	210.4	205.3	196.4	191.9	190.5
55°	193.5	206.7	207.7	205.1	203.4	207.5	210.4	206.9	196.4	192.3	191.1
57.5°	194.0	205.7	205.9	202.2	199.3	204.4	209.0	207.9	198.7	194.0	192.5
60°	191.5	200.1	200.5	194.8	191.5	197.7	205.7	205.1	197.7	192.7	190.0
62.5°	183.3	190.9	191.1	185.7	181.0	189.8	198.7	198.5	191.7	186.8	183.7
65°	169.5	177.5	179.6	174.4	170.7	180.2	189.4	189.0	182.2	177.7	174.6
67.5°	152.4	161.0	165.0	161.5	160.0	168.7	177.3	177.1	171.5	167.2	164.5
70°	131.6	138.8	145.4	145.4	144.4	154.3	163.5	162.7	157.5	154.3	152.2
72.5°	114.4	119.9	122.0	124.0	127.1	137.4	145.2	145.8	142.1	140.5	142.1
75°	97.3	100.8	102.6	101.0	106.3	117.0	127.3	128.3	124.4	121.8	122.4
77.5°	80.0	83.9	85.8	82.1	81.7	95.2	107.8	110.0	106.7	102.6	103.9
80°	57.8	62.9	66.0	63.6	62.7	68.7	86.0	88.4	85.4	82.1	83.9
82.5°	35.4	38.3	39.1	41.5	46.7	49.2	55.3	63.6	61.3	58.4	63.6
85°	14.0	16.7	18.5	21.0	24.5	29.0	34.1	40.7	37.0	35.8	42.2
87.5°	0.8	0.2	0.0	0.4	3.5	6.8	14.6	20.2	16.9	18.1	21.8
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5
2.5°	333.8	339.2	346.4	352.3	359.9	367.1	374.5	381.9	385.8	387.5
5°	310.2	320.0	331.5	344.3	359.1	374.7	390.6	406.8	417.1	417.9
7.5°	296.0	310.2	326.0	342.0	360.3	381.9	407.0	432.1	442.6	445.5
10°	300.5	316.3	328.9	343.9	364.0	391.0	420.6	450.0	462.2	465.6
12.5°	318.6	321.7	325.6	339.4	364.0	398.8	434.6	469.6	482.5	485.8
15°	333.6	318.8	311.8	326.4	359.1	405.6	449.4	488.1	503.7	506.8
17.5°	334.8	309.3	294.1	307.3	350.5	410.3	463.6	508.6	521.8	524.7
20°	322.3	299.3	279.5	287.5	338.7	412.4	473.9	523.6	536.6	539.5
22.5°	308.1	291.0	269.6	269.2	324.6	414.6	486.2	537.8	551.8	553.7
25°	294.7	279.7	261.6	255.9	308.1	419.0	502.9	559.2	569.9	570.5
27.5°	279.1	267.6	255.2	249.7	293.7	427.2	527.6	584.7	591.1	590.1
30°	264.9	256.3	250.7	249.1	284.7	433.4	551.0	609.8	610.2	606.7
32.5°	249.9	246.6	246.6	252.0	277.2	431.9	570.1	634.3	630.4	625.3
35°	236.5	237.1	241.5	254.0	264.9	417.5	588.4	664.9	659.2	651.8
37.5°	223.8	228.5	234.7	246.8	248.7	396.1	609.8	708.3	701.1	691.9
40°	212.9	220.1	227.3	233.2	231.4	365.7	639.6	759.4	751.3	740.6
42.5°	204.2	211.2	219.2	219.9	220.5	334.0	671.3	821.9	820.4	808.7
45°	198.7	203.2	210.8	209.8	219.9	299.1	700.5	917.3	936.2	927.4
47.5°	195.0	198.5	199.3	203.6	225.2	267.8	738.2	1104.1	1156.7	1146.6
50°	192.9	196.4	187.2	204.0	226.0	247.6	790.2	1338.5	1423.3	1409.9
52.5°	192.7	191.9	177.9	208.3	221.5	235.3	817.4	1509.7	1697.6	1726.6
55°	193.1	182.8	173.2	209.6	212.5	230.8	726.4	1591.9	1950.8	2012.1
57.5°	189.4	173.0	175.9	204.6	195.4	242.9	537.0	1562.5	2052.0	2166.0
60°	182.4	163.5	180.8	191.3	177.9	222.1	369.8	1431.3	1947.1	2064.4
62.5°	172.4	156.9	180.2	174.0	171.5	181.8	254.2	1247.6	1780.7	1895.3
65°	161.0	151.6	170.5	157.3	158.8	139.9	179.8	1040.3	1582.1	1694.8
67.5°	148.9	148.3	156.3	140.1	134.1	110.9	131.0	833.8	1326.8	1428.4
70°	135.1	139.7	142.1	124.4	108.8	87.0	97.3	583.1	978.8	1067.2
72.5°	121.3	121.8	125.3	108.2	81.4	69.7	73.0	353.1	664.9	729.3
75°	107.4	103.5	106.7	88.0	60.7	57.2	56.4	218.2	459.3	510.1
77.5°	92.3	88.0	83.7	66.2	48.7	44.2	43.2	122.4	281.8	313.0
80°	75.1	69.3	62.5	48.5	35.6	31.7	31.5	59.6	140.5	156.5
82.5°	58.4	47.5	45.7	30.2	22.0	19.3	20.6	22.8	42.4	47.3
85°	40.9	34.6	24.3	12.1	9.9	8.0	7.8	6.8	11.3	12.5
87.5°	22.8	15.0	7.8	1.4	1.6	1.9	1.4	1.0	1.0	1.0
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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