

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: P629954

Luminaire Tested: GWS-SA1C-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

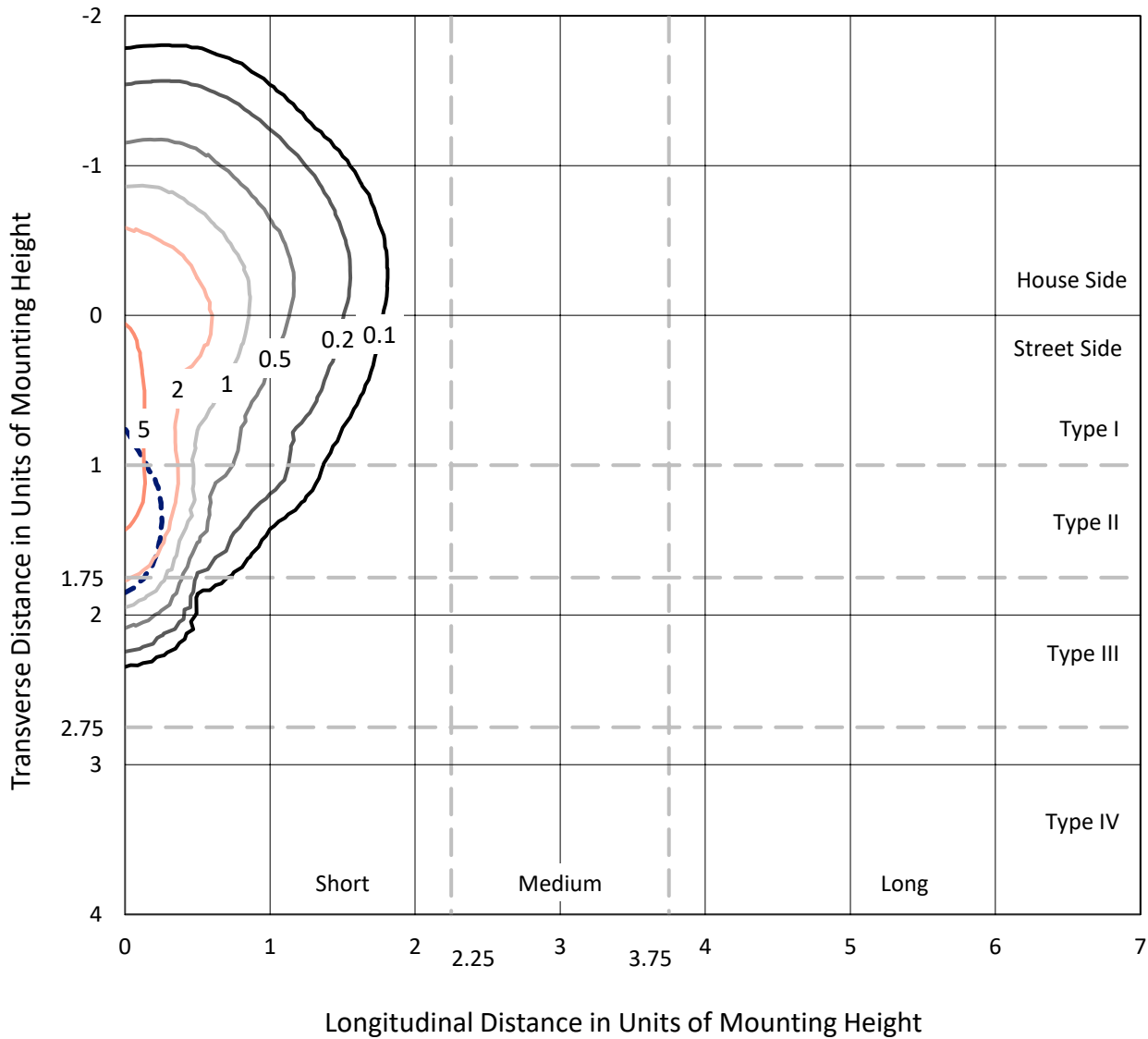
Lumens per Lamp: N/A  
Luminaire Lumens: 2600.3 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

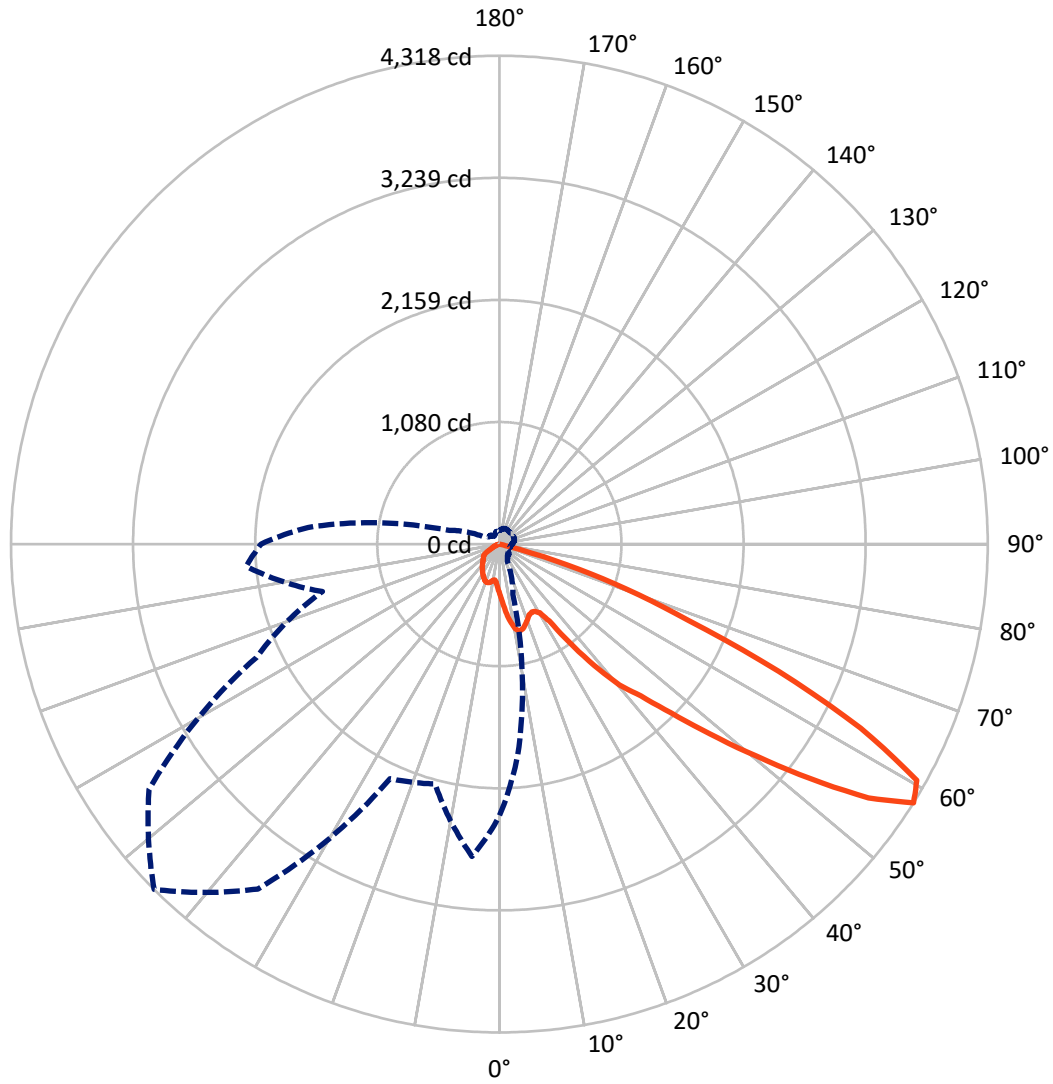
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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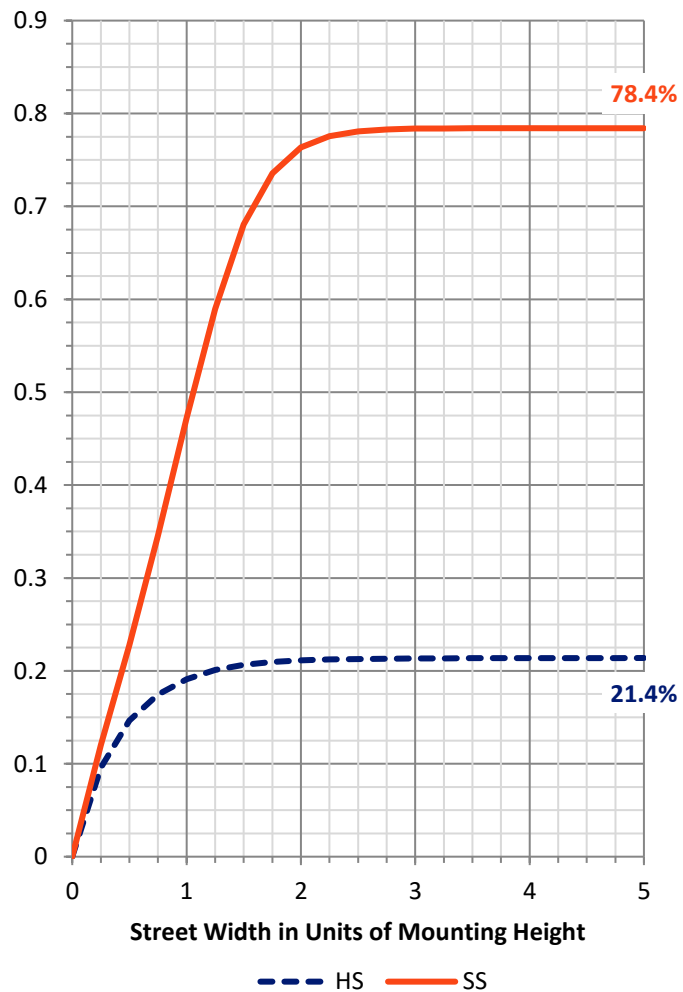
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	560.2	0.0	560.2
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	2040.1	0.0	2040.1
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	2600.3	0.0	2600.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.7	1.7
10°-20°	143.7	5.5
20°-30°	233.2	9.0
30°-40°	357.9	13.8
40°-50°	571.6	22.0
50°-60°	800.3	30.8
60°-70°	410.4	15.8
70°-80°	39.5	1.5
80°-90°	0.0	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°	2600.3	100.0
0°-180°	2600.3	100.0

**Coefficient of Utilization**



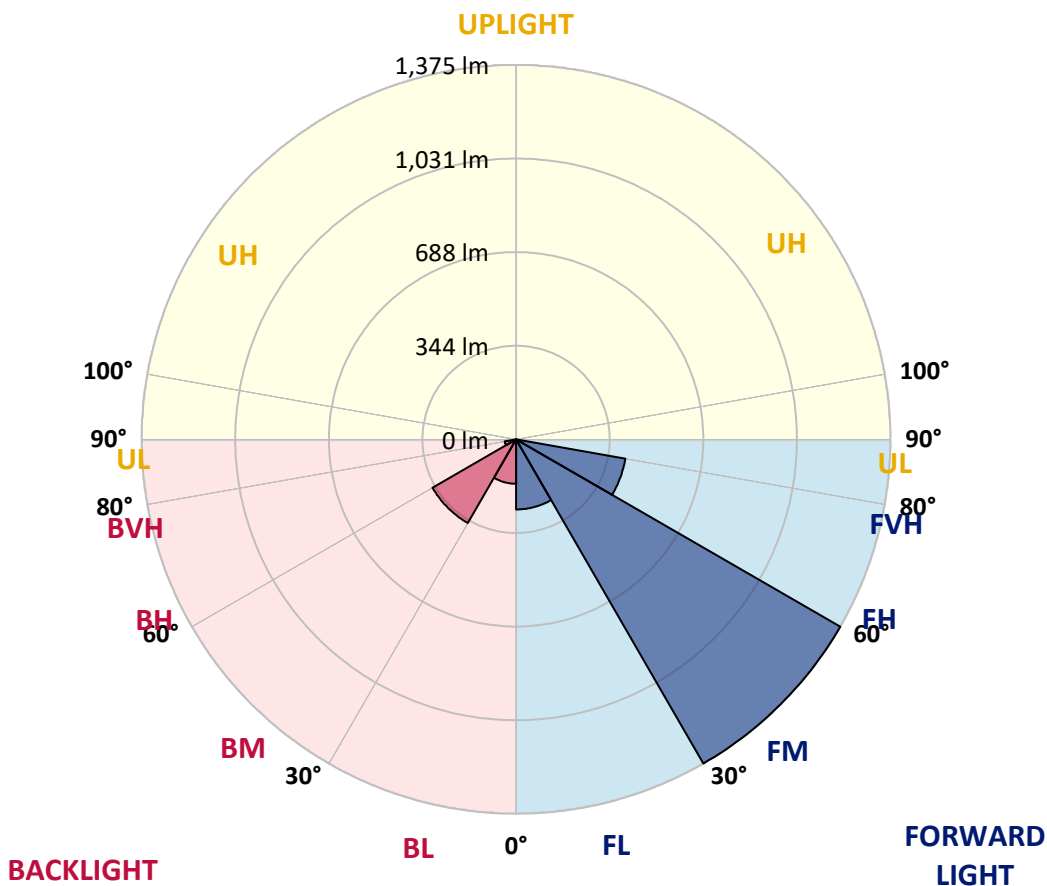
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.4	9.9			
FM (30°-60°)	1375.1	52.9			
FH (60°-80°)	407.6	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	163.1	6.3	B1/500		
BM (30°-60°)	354.8	13.6	B1/1000		
BH (60°-80°)	42.3	1.6	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°	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8
2.5°	490.8	489.8	486.3	474.5	467.2	455.7	447.4	436.6	424.8	417.5	410.2
5°	543.0	540.2	530.8	503.7	482.8	460.3	442.2	422.4	401.2	387.3	374.4
7.5°	593.0	588.9	576.4	530.5	498.8	466.5	440.8	411.9	382.0	361.2	345.2
10°	642.1	632.7	612.9	556.5	513.8	474.9	444.6	411.6	376.5	350.1	332.3
12.5°	682.4	675.4	648.3	581.2	526.3	476.6	439.4	408.8	385.2	367.4	351.1
15°	717.1	709.5	683.8	603.5	537.1	469.6	417.5	390.7	394.6	401.5	387.6
17.5°	749.1	741.1	713.3	621.9	541.2	452.6	386.9	374.0	395.2	421.3	416.1
20°	782.2	773.1	739.0	636.8	539.9	425.8	356.0	359.8	389.7	419.6	422.4
22.5°	820.7	811.4	771.7	656.0	538.8	393.9	329.2	347.3	379.3	404.6	409.5
25°	871.8	860.7	817.3	684.1	541.6	364.7	310.1	335.1	361.5	384.5	387.3
27.5°	939.3	925.0	869.8	718.9	547.5	341.7	301.7	318.4	338.9	359.4	361.9
30°	1027.2	1009.2	929.9	749.1	544.7	325.7	296.2	301.7	313.9	330.6	330.9
32.5°	1130.1	1105.4	997.3	775.2	520.7	313.9	288.5	284.7	287.5	300.3	302.8
35°	1251.1	1219.1	1071.7	799.9	476.9	291.0	274.6	261.8	260.7	267.0	272.9
37.5°	1389.8	1351.6	1165.6	831.5	425.1	267.0	254.1	241.3	235.7	238.8	247.9
40°	1517.7	1475.3	1263.6	869.8	372.3	245.4	230.1	216.9	210.3	211.4	222.5
42.5°	1667.9	1624.1	1383.5	919.8	328.5	230.8	205.1	191.5	182.8	187.7	200.6
45°	1895.9	1846.2	1558.4	963.3	293.7	227.3	183.2	164.1	159.9	168.2	183.5
47.5°	2207.4	2146.6	1798.6	989.7	264.2	230.5	167.9	141.8	142.9	152.3	167.6
50°	2516.4	2450.7	2076.4	954.9	239.9	224.2	160.3	124.4	131.1	139.4	153.3
52.5°	2728.8	2643.3	2211.6	854.5	217.6	200.6	159.6	108.1	120.6	123.4	135.2
55°	2737.2	2631.9	2142.4	673.7	187.4	169.3	152.3	94.6	109.2	110.2	120.3
57.5°	2399.3	2304.0	1872.3	462.7	166.5	124.1	121.3	82.7	89.7	98.4	104.6
60°	1825.4	1744.4	1400.2	212.1	126.5	78.9	83.1	71.3	67.1	80.0	86.2
62.5°	1118.0	1066.2	839.9	93.9	80.6	42.1	50.4	56.7	50.4	55.3	60.5
65°	443.9	421.0	318.8	40.0	33.0	21.2	22.9	33.0	35.5	38.9	43.8
67.5°	77.2	73.0	53.5	17.7	13.6	12.9	11.1	15.3	21.6	24.0	27.8
70°	10.1	9.7	8.7	7.3	7.0	6.3	4.9	9.7	14.6	15.3	17.7
72.5°	2.4	2.1	2.1	1.7	2.1	0.7	0.7	5.2	10.4	10.8	12.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	6.6	7.3	8.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8
2.5°	404.3	397.3	394.9	391.4	386.9	388.3	382.0	380.0	383.1	387.3	386.2
5°	367.4	359.8	354.6	346.6	345.2	342.1	340.0	337.2	340.7	345.5	346.6
7.5°	338.2	331.6	326.4	324.0	322.2	320.9	316.7	314.6	314.6	316.7	318.4
10°	325.7	320.9	319.8	320.5	323.3	322.9	319.1	316.3	312.9	311.1	313.2
12.5°	343.1	335.1	333.7	334.1	337.5	337.2	333.0	329.5	328.9	329.5	336.2
15°	372.7	360.5	351.4	349.7	351.4	350.8	347.6	345.5	346.6	356.7	367.8
17.5°	399.1	380.3	364.0	357.7	357.4	356.3	353.2	352.5	357.7	376.5	392.8
20°	406.7	388.3	365.0	357.0	355.3	354.2	350.8	351.8	358.4	381.0	394.9
22.5°	396.6	378.9	354.6	346.6	345.2	344.8	341.4	342.8	348.3	368.1	379.6
25°	377.5	362.6	337.2	330.2	330.2	329.5	326.4	327.1	330.6	348.0	359.1
27.5°	354.2	340.0	318.8	311.8	312.9	313.9	310.1	309.0	311.8	328.2	334.8
30°	327.5	317.4	300.7	294.4	294.1	298.3	293.0	291.7	295.5	308.3	309.7
32.5°	301.4	296.5	284.7	279.8	280.2	280.9	278.1	278.1	281.6	288.5	288.2
35°	276.0	272.9	270.8	267.3	267.0	265.6	265.6	266.3	270.1	272.5	268.0
37.5°	251.7	254.8	257.2	253.8	251.0	251.0	251.0	254.1	257.6	256.5	248.9
40°	230.1	236.7	244.4	240.6	234.0	233.6	235.0	240.2	245.4	239.2	232.2
42.5°	211.7	220.0	230.8	228.7	221.4	220.4	221.4	228.0	232.2	224.2	216.6
45°	193.6	204.1	216.9	216.9	208.9	207.9	208.2	216.9	219.4	210.0	200.2
47.5°	178.3	189.8	203.4	203.4	196.8	194.7	196.4	205.4	207.2	194.0	184.9
50°	163.7	176.2	191.2	190.2	185.6	183.9	187.0	196.8	194.7	180.1	170.7
52.5°	145.3	158.5	179.0	180.1	177.6	178.0	181.8	188.1	182.2	164.4	156.4
55°	128.6	142.2	162.7	168.2	168.2	167.9	169.6	174.5	169.6	148.4	138.7
57.5°	110.5	122.0	139.0	140.4	141.5	137.7	140.1	146.7	144.3	126.2	120.6
60°	90.7	100.5	110.2	111.2	106.7	98.7	103.2	110.9	112.6	99.1	92.8
62.5°	64.3	73.7	85.2	85.2	80.6	72.7	78.6	85.2	82.7	68.8	65.0
65°	48.0	56.7	65.4	69.2	65.4	59.8	64.3	69.2	65.4	53.9	48.3
67.5°	30.9	36.8	42.1	45.2	45.9	45.2	47.3	45.9	41.4	33.7	30.6
70°	18.8	21.9	24.7	27.5	29.5	30.6	31.6	28.5	24.0	19.8	18.8
72.5°	13.6	16.3	18.8	20.9	23.3	24.0	24.0	21.9	17.7	13.9	12.9
75°	9.4	11.8	13.9	15.3	17.4	18.1	18.1	16.3	13.2	10.1	9.0
77.5°	0.3	2.4	2.4	2.1	2.8	3.5	3.5	4.2	3.8	2.8	2.4
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°	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8
2.5°	388.3	400.8	404.3	417.1	428.6	440.1	454.0	462.3	474.9	483.5	488.4
5°	350.1	360.5	373.0	392.1	411.9	433.8	460.3	483.2	512.0	533.3	540.2
7.5°	322.2	335.8	350.4	374.4	401.5	430.7	467.9	505.4	549.6	578.4	596.9
10°	317.0	330.9	350.4	374.0	402.5	435.9	481.5	530.1	585.4	620.5	641.4
12.5°	342.1	357.0	365.4	376.1	397.7	434.9	493.3	555.2	620.2	658.4	680.6
15°	378.9	392.1	378.6	365.0	378.9	423.8	499.9	576.0	650.8	694.9	717.8
17.5°	404.3	405.3	375.8	346.9	350.8	403.6	502.3	596.9	683.4	729.7	753.6
20°	401.9	393.5	363.6	331.6	319.8	377.5	499.5	615.3	716.5	764.8	788.4
22.5°	383.1	373.3	348.0	316.7	293.7	346.6	494.7	632.0	746.7	801.6	823.9
25°	360.5	350.1	329.2	301.7	277.1	316.7	490.8	654.9	784.9	849.6	867.0
27.5°	334.1	325.0	307.3	287.5	270.1	294.1	489.8	685.2	831.2	908.0	920.2
30°	308.3	300.0	286.1	274.6	267.3	280.9	486.3	717.5	886.4	975.1	988.3
32.5°	283.7	275.3	266.6	264.9	265.2	276.0	474.5	749.5	952.1	1072.4	1082.2
35°	262.5	252.7	249.2	253.4	261.1	267.7	441.1	775.9	1022.7	1178.4	1186.4
37.5°	242.3	232.6	232.2	242.3	250.6	254.8	401.9	802.0	1118.0	1286.2	1296.3
40°	223.9	214.1	217.6	229.8	236.4	238.5	354.2	841.6	1218.8	1399.9	1394.3
42.5°	208.2	198.1	200.2	215.9	221.8	227.3	310.4	874.6	1315.8	1507.6	1505.9
45°	192.9	185.3	183.9	200.9	206.1	228.4	278.4	900.0	1440.6	1645.0	1647.7
47.5°	178.0	172.1	172.4	179.7	192.6	233.6	251.3	916.7	1621.7	1862.6	1814.2
50°	164.4	159.9	163.7	155.4	183.9	227.0	228.0	913.2	1824.0	2071.1	1974.2
52.5°	149.5	148.4	150.2	130.0	170.0	200.2	206.1	867.0	1918.9	2213.7	2158.4
55°	134.2	133.8	119.9	103.9	142.2	159.9	176.6	723.4	1915.8	2289.4	2356.5
57.5°	116.1	113.3	91.1	84.8	110.5	111.2	160.9	473.8	1697.8	2108.0	2247.0
60°	87.9	85.9	66.7	68.8	77.2	71.3	128.3	236.0	1268.8	1642.2	1799.0
62.5°	60.8	58.1	49.7	53.2	49.7	40.7	78.6	116.8	768.6	1037.0	1179.1
65°	44.5	41.4	34.1	29.2	23.3	23.3	29.9	44.8	297.6	440.8	531.5
67.5°	27.5	26.1	20.2	14.6	14.3	15.3	15.6	22.2	48.0	76.5	93.5
70°	17.7	16.3	13.6	9.4	8.7	9.0	9.4	10.4	12.2	13.2	16.0
72.5°	12.2	11.5	9.7	5.2	4.2	4.5	4.9	4.9	5.9	5.6	6.6
75°	8.7	8.0	7.0	2.4	1.4	1.7	2.1	1.7	2.1	1.4	1.7
77.5°	2.4	2.4	1.7	0.3	0.0	0.3	0.7	0.7	0.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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°	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8
2.5°	500.9	508.9	512.0	507.5	511.4	505.1	502.7	493.3	492.6	490.8
5°	568.4	586.4	597.2	603.8	596.2	587.8	575.3	553.8	547.2	543.0
7.5°	634.8	662.9	681.3	690.0	687.9	670.9	648.3	612.2	599.3	593.0
10°	692.5	726.9	749.1	759.9	755.4	740.4	708.1	662.9	645.9	642.1
12.5°	732.8	764.4	779.7	789.1	789.5	783.5	753.0	707.4	687.3	682.4
15°	758.2	771.7	772.1	777.6	787.4	800.6	786.3	746.0	724.4	717.1
17.5°	774.2	759.2	743.9	745.3	761.3	796.4	811.0	780.1	757.1	749.1
20°	785.6	738.4	709.8	710.2	726.5	779.7	828.0	813.1	789.5	782.2
22.5°	792.9	719.9	679.3	678.2	695.6	759.9	843.7	852.4	829.1	820.7
25°	807.9	711.2	660.8	666.7	682.0	753.6	864.9	904.5	883.0	871.8
27.5°	834.6	719.9	659.1	672.7	690.0	772.1	901.7	974.0	951.8	939.3
30°	880.9	752.6	685.9	704.6	725.5	820.4	963.6	1071.0	1039.0	1027.2
32.5°	955.3	820.4	768.6	808.9	829.1	899.6	1056.4	1179.8	1153.8	1130.1
35°	1057.8	975.1	969.2	1063.0	1058.2	1049.8	1170.4	1313.3	1274.0	1251.1
37.5°	1199.0	1224.0	1267.8	1360.9	1357.8	1294.2	1320.3	1439.5	1419.3	1389.8
40°	1375.2	1428.4	1502.8	1636.3	1594.5	1514.6	1504.2	1568.8	1552.5	1517.7
42.5°	1479.1	1570.9	1712.7	1832.7	1799.3	1659.6	1647.7	1741.6	1705.8	1667.9
45°	1527.5	1687.0	1965.1	2127.5	2026.3	1755.8	1751.3	1966.9	1946.7	1895.9
47.5°	1549.7	1804.2	2260.6	2506.4	2317.3	1840.3	1824.0	2293.6	2267.2	2207.4
50°	1574.4	1965.8	2616.6	2945.4	2668.7	1935.9	1947.7	2598.1	2587.0	2516.4
52.5°	1628.6	2136.8	3054.9	3447.4	3094.9	2085.7	2160.1	2885.3	2810.2	2728.8
55°	1710.0	2323.2	3511.0	3960.1	3529.8	2287.0	2389.9	3037.9	2827.2	2737.2
57.5°	1619.9	2369.7	3781.1	4318.2	3722.7	2287.7	2195.6	2773.3	2486.6	2399.3
60°	1285.5	2204.6	3677.2	4240.7	3558.3	2031.5	1681.1	2165.3	1883.8	1825.4
62.5°	869.1	1849.0	3237.1	3586.4	3045.5	1598.0	1092.6	1408.2	1166.3	1118.0
65°	476.2	1379.4	2615.5	2713.2	2383.7	1116.2	562.1	611.1	465.5	443.9
67.5°	131.4	960.1	1924.4	1800.0	1672.4	726.9	145.3	109.2	77.9	77.2
70°	33.0	635.1	1153.1	1188.5	1025.5	465.5	27.8	13.2	10.4	10.1
72.5°	13.9	273.2	547.2	628.9	524.9	215.5	10.1	3.8	3.1	2.4
75°	1.7	21.9	46.6	70.6	48.3	23.3	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
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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