

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: P634796

Luminaire Tested: GWS-SA3C-740-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-740-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

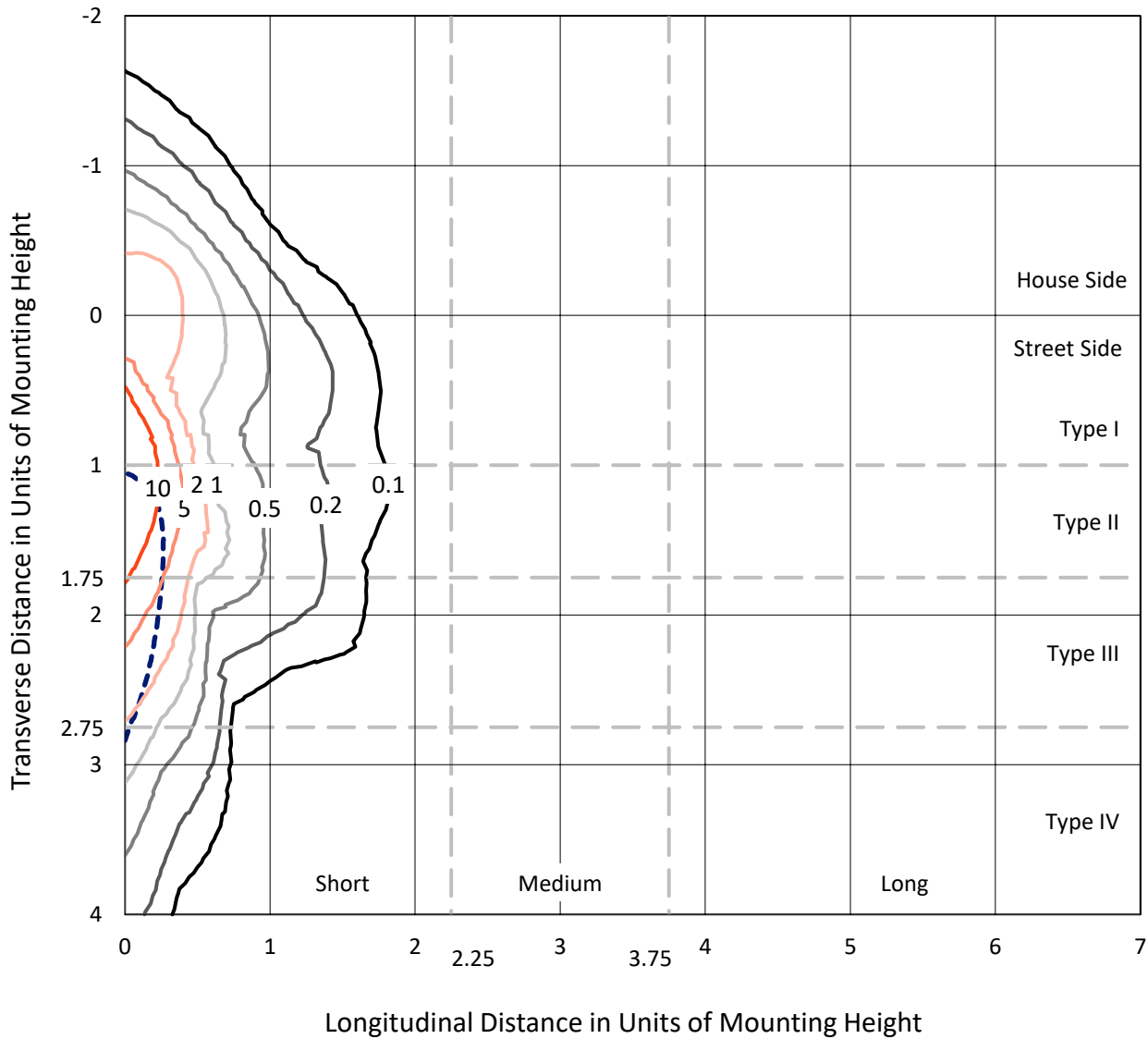
Lumens per Lamp: N/A  
Luminaire Lumens: 8446 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

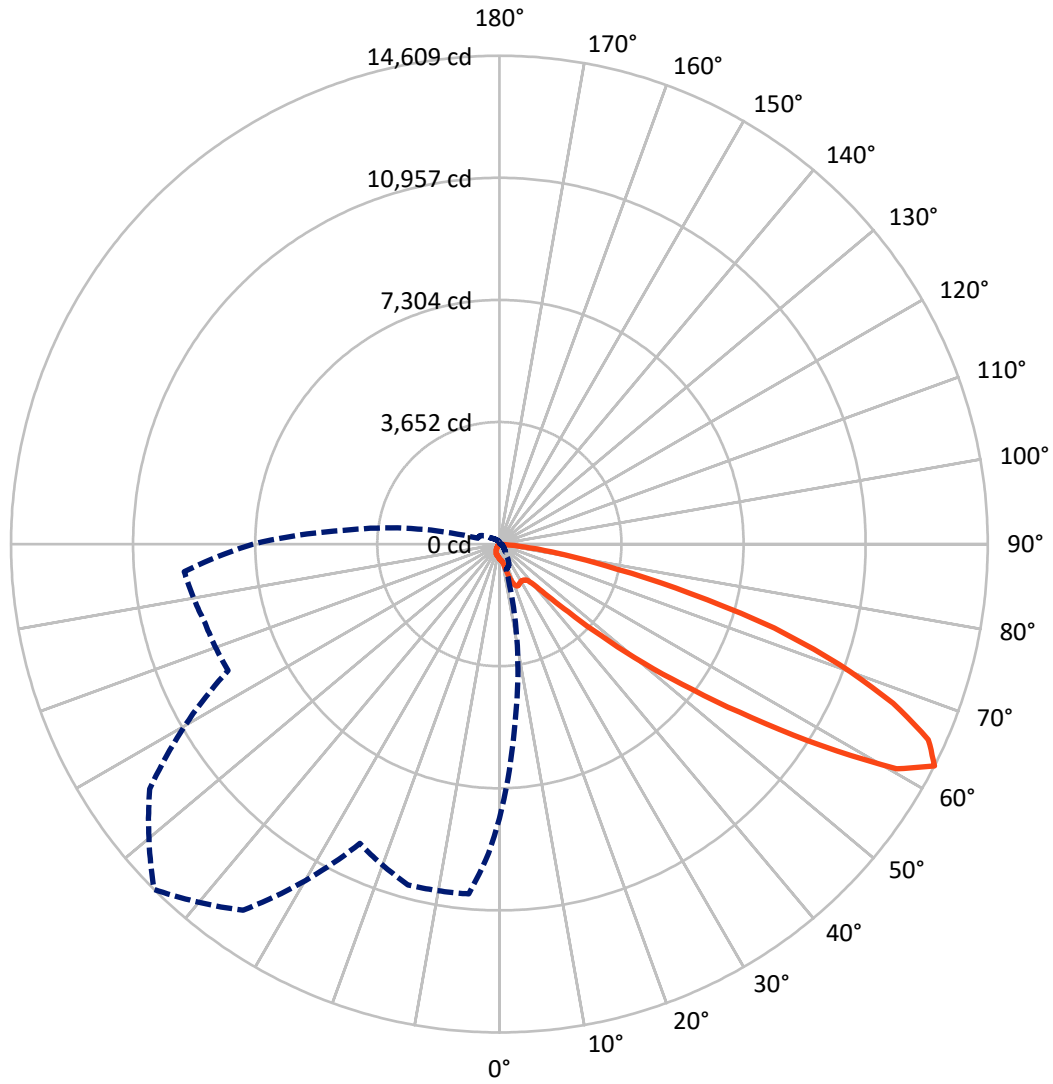
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 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
<b>House Side</b>	Lumens	981.3	0.0	981.3
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	7464.7	0.0	7464.7
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	8446.0	0.0	8446.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.8	0.4
10°-20°	129.6	1.5
20°-30°	292.9	3.5
30°-40°	504.6	6.0
40°-50°	951.8	11.3
50°-60°	2125.1	25.2
60°-70°	2842.3	33.7
70°-80°	1425.3	16.9
80°-90°	136.6	1.6
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°	8446.0	100.0
0°-180°	8446.0	100.0

**Coefficient of Utilization**



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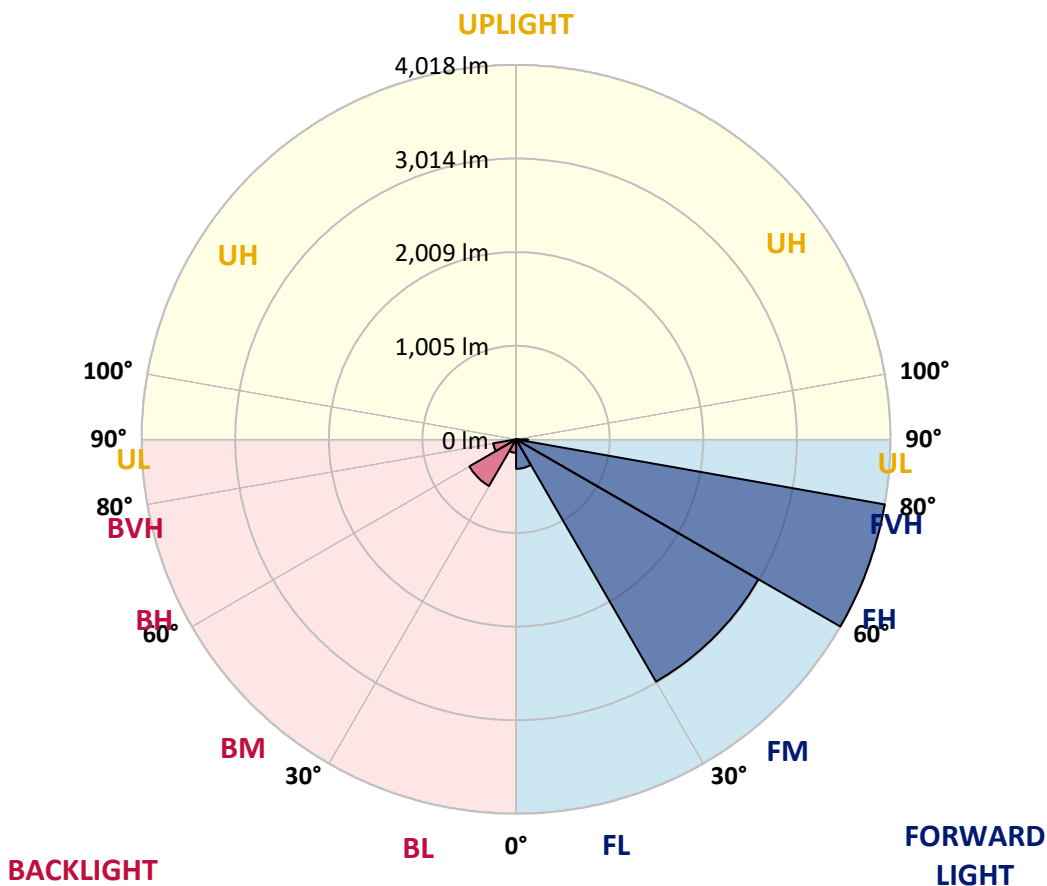
CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.3	3.7			
FM (30°-60°)	3002.8	35.6			
FH (60°-80°)	4018.0	47.6			G2/5000
FVH (80°-90°)	127.5	1.5			G2/225
BL (0°-30°)	144.0	1.7	B1/500		
BM (30°-60°)	578.6	6.9	B1/1000		
BH (60°-80°)	249.5	3.0	B1/500		G1/500
BVH (80°-90°)	9.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0
2.5°	433.0	432.0	430.0	424.0	419.0	416.0	410.0	410.0	409.0	407.0	403.0
5°	419.0	415.0	411.0	400.0	388.0	381.0	373.0	372.0	372.0	370.0	369.0
7.5°	397.0	393.0	388.0	370.0	359.0	352.0	345.0	344.0	341.0	341.0	341.0
10°	385.0	379.0	371.0	351.0	340.0	334.0	329.0	326.0	324.0	321.0	320.0
12.5°	411.0	400.0	383.0	347.0	332.0	324.0	318.0	316.0	310.0	306.0	303.0
15°	492.0	465.0	431.0	356.0	329.0	317.0	309.0	305.0	300.0	293.0	288.0
17.5°	625.0	586.0	529.0	385.0	326.0	311.0	301.0	294.0	287.0	279.0	273.0
20°	809.0	751.0	683.0	438.0	326.0	304.0	292.0	283.0	273.0	264.0	257.0
22.5°	1043.1	985.0	869.0	528.0	330.0	295.0	281.0	269.0	257.0	249.0	241.0
25°	1305.1	1223.1	1115.1	637.0	341.0	283.0	268.0	256.0	245.0	235.0	226.0
27.5°	1597.1	1508.1	1364.1	792.0	365.0	271.0	254.0	243.0	233.0	223.0	211.0
30°	1866.1	1813.1	1666.1	978.0	404.0	263.0	243.0	233.0	223.0	210.0	199.0
32.5°	2189.1	2095.1	1974.1	1190.1	456.0	255.0	234.0	220.0	212.0	200.0	188.0
35°	2514.1	2434.1	2275.1	1451.1	514.0	247.0	223.0	210.0	203.0	189.0	176.0
37.5°	2849.1	2831.1	2674.1	1740.1	571.0	238.0	210.0	202.0	195.0	179.0	164.0
40°	3179.2	3146.2	3001.1	2070.1	606.0	228.0	199.0	194.0	186.0	168.0	151.0
42.5°	3495.2	3470.2	3329.2	2386.1	601.0	219.0	188.0	182.0	176.0	158.0	137.0
45°	3883.2	3842.2	3664.2	2620.1	550.0	229.0	177.0	167.0	166.0	149.0	123.0
47.5°	4609.2	4474.2	4172.2	2800.1	499.0	255.0	165.0	153.0	160.0	140.0	109.0
50°	5626.3	5467.3	5030.2	2940.1	498.0	289.0	163.0	140.0	155.0	133.0	97.0
52.5°	6648.3	6368.3	5837.3	3015.1	535.0	314.0	181.0	127.0	149.0	126.0	88.0
55°	7627.4	7046.3	6175.3	2767.1	564.0	341.0	214.0	120.0	138.0	118.0	83.0
57.5°	8560.4	7591.4	6322.3	2189.1	661.0	352.0	234.0	123.0	122.0	108.0	79.0
60°	8688.4	7565.4	6025.3	1273.1	729.0	333.0	226.0	137.0	107.0	96.0	72.0
62.5°	8204.4	7062.3	5348.3	794.0	677.0	326.0	201.0	156.0	97.0	85.0	63.0
65°	7469.4	6273.3	4459.2	512.0	513.0	362.0	176.0	153.0	91.0	75.0	54.0
67.5°	6320.3	5250.3	3513.2	343.0	290.0	309.0	154.0	105.0	89.0	64.0	42.0
70°	4613.2	3737.2	2287.1	229.0	173.0	247.0	129.0	75.0	84.0	53.0	30.0
72.5°	3372.2	2511.1	1277.1	150.0	98.0	144.0	95.0	54.0	65.0	39.0	21.0
75°	2427.1	1728.1	729.0	96.0	65.0	79.0	62.0	37.0	42.0	31.0	19.0
77.5°	1168.1	842.0	331.0	53.0	44.0	40.0	33.0	23.0	26.0	28.0	17.0
80°	44.0	33.0	25.0	26.0	28.0	18.0	15.0	12.0	15.0	19.0	9.0
82.5°	0.0	0.0	0.0	3.0	4.0	5.0	6.0	5.0	6.0	7.0	1.0
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°	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0
2.5°	406.0	404.0	406.0	408.0	410.0	412.0	409.0	411.0	413.0	408.0	410.0
5°	374.0	373.0	379.0	382.0	386.0	388.0	386.0	386.0	385.0	379.0	379.0
7.5°	346.0	347.0	352.0	359.0	364.0	367.0	365.0	364.0	361.0	352.0	352.0
10°	325.0	325.0	333.0	339.0	346.0	349.0	347.0	344.0	341.0	332.0	331.0
12.5°	308.0	308.0	314.0	324.0	332.0	336.0	335.0	331.0	326.0	317.0	316.0
15°	292.0	291.0	300.0	309.0	320.0	325.0	323.0	320.0	311.0	303.0	301.0
17.5°	276.0	275.0	283.0	295.0	307.0	314.0	313.0	306.0	298.0	288.0	286.0
20°	260.0	258.0	268.0	280.0	292.0	299.0	297.0	291.0	281.0	271.0	269.0
22.5°	244.0	243.0	250.0	260.0	271.0	277.0	276.0	271.0	261.0	252.0	252.0
25°	226.0	226.0	231.0	238.0	246.0	249.0	250.0	248.0	242.0	237.0	237.0
27.5°	211.0	208.0	210.0	212.0	216.0	221.0	221.0	223.0	224.0	222.0	223.0
30°	199.0	194.0	191.0	187.0	185.0	187.0	189.0	196.0	203.0	207.0	209.0
32.5°	185.0	179.0	171.0	160.0	153.0	151.0	157.0	170.0	183.0	192.0	197.0
35°	171.0	163.0	148.0	132.0	123.0	120.0	127.0	142.0	161.0	177.0	184.0
37.5°	157.0	146.0	125.0	106.0	96.0	94.0	101.0	117.0	139.0	161.0	170.0
40°	141.0	128.0	103.0	83.0	75.0	73.0	79.0	95.0	118.0	143.0	157.0
42.5°	125.0	109.0	83.0	66.0	58.0	58.0	66.0	78.0	99.0	126.0	143.0
45°	109.0	92.0	68.0	53.0	48.0	49.0	54.0	66.0	83.0	111.0	127.0
47.5°	94.0	79.0	56.0	44.0	40.0	41.0	47.0	57.0	71.0	96.0	113.0
50°	81.0	67.0	49.0	37.0	34.0	36.0	42.0	51.0	63.0	85.0	99.0
52.5°	73.0	60.0	45.0	32.0	30.0	32.0	38.0	46.0	57.0	75.0	89.0
55°	69.0	59.0	45.0	29.0	26.0	28.0	34.0	42.0	51.0	68.0	80.0
57.5°	68.0	61.0	48.0	26.0	22.0	24.0	30.0	38.0	47.0	62.0	72.0
60°	64.0	58.0	47.0	21.0	17.0	20.0	25.0	33.0	43.0	58.0	67.0
62.5°	56.0	51.0	41.0	17.0	13.0	15.0	21.0	29.0	39.0	53.0	63.0
65°	46.0	41.0	32.0	11.0	8.0	10.0	16.0	25.0	34.0	48.0	57.0
67.5°	34.0	29.0	22.0	7.0	4.0	7.0	13.0	21.0	31.0	43.0	52.0
70°	21.0	17.0	12.0	4.0	3.0	6.0	12.0	20.0	28.0	40.0	49.0
72.5°	12.0	8.0	5.0	2.0	3.0	6.0	12.0	20.0	27.0	38.0	46.0
75°	9.0	5.0	2.0	1.0	2.0	5.0	11.0	18.0	26.0	36.0	44.0
77.5°	6.0	3.0	1.0	0.0	1.0	4.0	10.0	17.0	24.0	34.0	42.0
80°	1.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	22.0	30.0	37.0
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	7.0	13.0	19.0	25.0	30.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10.0	15.0	19.0	21.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	12.0	14.0
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°	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0
2.5°	409.0	415.0	415.0	419.0	424.0	433.0	438.0	445.0	450.0	455.0	457.0
5°	378.0	379.0	380.0	382.0	388.0	398.0	407.0	418.0	431.0	441.0	447.0
7.5°	352.0	352.0	352.0	355.0	361.0	368.0	377.0	392.0	407.0	419.0	429.0
10°	330.0	333.0	334.0	339.0	346.0	355.0	365.0	378.0	395.0	411.0	429.0
12.5°	316.0	319.0	324.0	329.0	336.0	346.0	357.0	374.0	409.0	442.0	480.0
15°	303.0	307.0	313.0	320.0	328.0	339.0	351.0	386.0	468.0	530.0	590.0
17.5°	289.0	295.0	303.0	310.0	320.0	332.0	347.0	415.0	576.0	679.0	781.0
20°	271.0	279.0	288.0	299.0	311.0	325.0	347.0	475.0	732.0	880.0	1015.1
22.5°	254.0	262.0	273.0	287.0	301.0	315.0	352.0	566.0	933.0	1120.1	1291.1
25°	240.0	250.0	261.0	273.0	289.0	305.0	364.0	694.0	1175.1	1416.1	1537.1
27.5°	227.0	239.0	250.0	260.0	274.0	292.0	391.0	865.0	1461.1	1706.1	1801.1
30°	214.0	228.0	239.0	249.0	263.0	282.0	432.0	1083.1	1779.1	2017.1	2027.1
32.5°	203.0	216.0	229.0	239.0	252.0	274.0	489.0	1338.1	2105.1	2335.1	2241.1
35°	191.0	206.0	218.0	229.0	243.0	267.0	555.0	1613.1	2434.1	2627.1	2454.1
37.5°	179.0	196.0	211.0	219.0	233.0	260.0	603.0	1900.1	2770.1	2912.1	2641.1
40°	168.0	187.0	204.0	212.0	219.0	251.0	610.0	2194.1	3111.2	3193.2	2817.1
42.5°	156.0	177.0	192.0	203.0	209.0	245.0	568.0	2442.1	3397.2	3473.2	3047.2
45°	143.0	168.0	180.0	188.0	200.0	249.0	514.0	2634.1	3724.2	3855.2	3426.2
47.5°	130.0	158.0	168.0	174.0	190.0	273.0	494.0	2762.1	4263.2	4535.2	4065.2
50°	118.0	149.0	160.0	159.0	188.0	304.0	516.0	2859.1	5073.3	5393.3	4941.2
52.5°	105.0	139.0	152.0	148.0	203.0	328.0	560.0	2936.1	5696.3	6399.3	6118.3
55°	94.0	128.0	140.0	139.0	231.0	346.0	594.0	2530.1	5954.3	7334.4	7444.4
57.5°	86.0	116.0	126.0	143.0	249.0	346.0	687.0	1796.1	5959.3	8022.4	9204.5
60°	79.0	105.0	112.0	157.0	242.0	328.0	680.0	1100.1	5492.3	7975.4	10140.5
62.5°	73.0	95.0	104.0	161.0	214.0	325.0	614.0	682.0	4684.2	7368.4	9461.5
65°	68.0	87.0	100.0	148.0	194.0	348.0	414.0	490.0	3799.2	6676.3	8682.4
67.5°	63.0	80.0	106.0	121.0	176.0	311.0	299.0	348.0	2982.1	5917.3	7967.4
70°	59.0	76.0	112.0	99.0	154.0	243.0	212.0	264.0	2283.1	4937.2	6960.3
72.5°	56.0	71.0	94.0	78.0	125.0	188.0	148.0	192.0	1492.1	3854.2	5674.3
75°	53.0	65.0	69.0	63.0	93.0	123.0	112.0	129.0	889.0	2817.1	4305.2
77.5°	52.0	61.0	56.0	51.0	63.0	73.0	85.0	87.0	434.0	1409.1	2256.1
80°	46.0	55.0	48.0	42.0	43.0	48.0	63.0	58.0	99.0	358.0	602.0
82.5°	36.0	43.0	40.0	35.0	35.0	35.0	42.0	39.0	32.0	161.0	272.0
85°	25.0	30.0	30.0	28.0	27.0	27.0	26.0	25.0	9.0	10.0	15.0
87.5°	17.0	21.0	22.0	21.0	18.0	16.0	14.0	12.0	4.0	0.0	2.0
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°	358°	360°
0°	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0
2.5°	464.0	467.0	467.0	463.0	460.0	452.0	444.0	436.0	434.0	433.0
5°	464.0	476.0	482.0	481.0	474.0	461.0	444.0	426.0	421.0	419.0
7.5°	457.0	480.0	498.0	501.0	488.0	465.0	434.0	407.0	400.0	397.0
10°	473.0	518.0	554.0	559.0	544.0	499.0	449.0	403.0	392.0	385.0
12.5°	559.0	633.0	677.0	698.0	669.0	612.0	529.0	447.0	422.0	411.0
15°	733.0	838.0	922.0	922.0	895.0	794.0	689.0	556.0	522.0	492.0
17.5°	956.0	1088.1	1162.1	1154.1	1113.1	1042.1	916.0	725.0	656.0	625.0
20°	1210.1	1289.1	1306.1	1301.1	1283.1	1242.1	1155.1	950.0	857.0	809.0
22.5°	1430.1	1409.1	1384.1	1364.1	1359.1	1371.1	1359.1	1201.1	1128.1	1043.1
25°	1579.1	1460.1	1385.1	1349.1	1366.1	1435.1	1510.1	1451.1	1393.1	1305.1
27.5°	1660.1	1454.1	1346.1	1309.1	1338.1	1436.1	1599.1	1699.1	1639.1	1597.1
30°	1704.1	1449.1	1321.1	1285.1	1329.1	1452.1	1661.1	1931.1	1933.1	1866.1
32.5°	1767.1	1481.1	1326.1	1293.1	1352.1	1500.1	1739.1	2167.1	2225.1	2189.1
35°	1838.1	1530.1	1349.1	1319.1	1392.1	1564.1	1826.1	2405.1	2526.1	2514.1
37.5°	1905.1	1585.1	1403.1	1374.1	1453.1	1619.1	1910.1	2639.1	2807.1	2849.1
40°	1975.1	1662.1	1569.1	1597.1	1641.1	1706.1	1985.1	2842.1	3116.2	3179.2
42.5°	2140.1	1929.1	2071.1	2124.1	2130.1	1996.1	2149.1	3102.2	3420.2	3495.2
45°	2508.1	2404.1	2811.1	2886.1	2847.1	2441.1	2544.1	3477.2	3845.2	3883.2
47.5°	2973.1	3021.1	3824.2	4083.2	3849.2	2966.1	3023.1	4266.2	4623.2	4609.2
50°	3515.2	3742.2	4974.2	5585.3	5025.2	3648.2	3575.2	5236.3	5669.3	5626.3
52.5°	4156.2	4580.2	6356.3	7224.4	6694.3	4415.2	4385.2	6521.3	6785.3	6648.3
55°	4963.2	5389.3	7946.4	9159.5	8405.4	5351.3	5454.3	8011.4	8062.4	7627.4
57.5°	6167.3	6444.3	9820.5	11378.6	10191.5	6623.3	7370.4	9994.5	9384.5	8560.4
60°	8353.4	7801.4	11631.6	13648.7	12091.6	8412.4	9897.5	11169.6	9824.5	8688.4
62.5°	9114.5	8953.4	12765.6	14608.7	13369.7	9881.5	10554.5	10503.5	9254.5	8204.4
65°	7961.4	8666.4	12562.6	14101.7	13205.7	9639.5	9471.5	9768.5	8612.4	7469.4
67.5°	7354.4	7992.4	11793.6	12702.6	12296.6	8818.4	8442.4	8361.4	7230.4	6320.3
70°	6742.3	7374.4	10678.5	10791.5	10602.5	7480.4	6986.3	6443.3	5404.3	4613.2
72.5°	6006.3	6354.3	9131.5	8595.4	8381.4	5875.3	5771.3	4852.2	4051.2	3372.2
75°	5238.3	5137.3	7119.4	5899.3	6059.3	4571.2	4874.2	3563.2	2968.1	2427.1
77.5°	3810.2	3735.2	4768.2	3583.2	3968.2	2994.1	2690.1	1422.1	1354.1	1168.1
80°	2126.1	2563.1	2575.1	2008.1	2505.1	1952.1	673.0	47.0	30.0	44.0
82.5°	988.0	1102.1	1396.1	931.0	1429.1	967.0	139.0	0.0	0.0	0.0
85°	320.0	468.0	392.0	137.0	346.0	327.0	23.0	0.0	0.0	0.0
87.5°	19.0	39.0	10.0	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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