

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: P634800

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-740-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

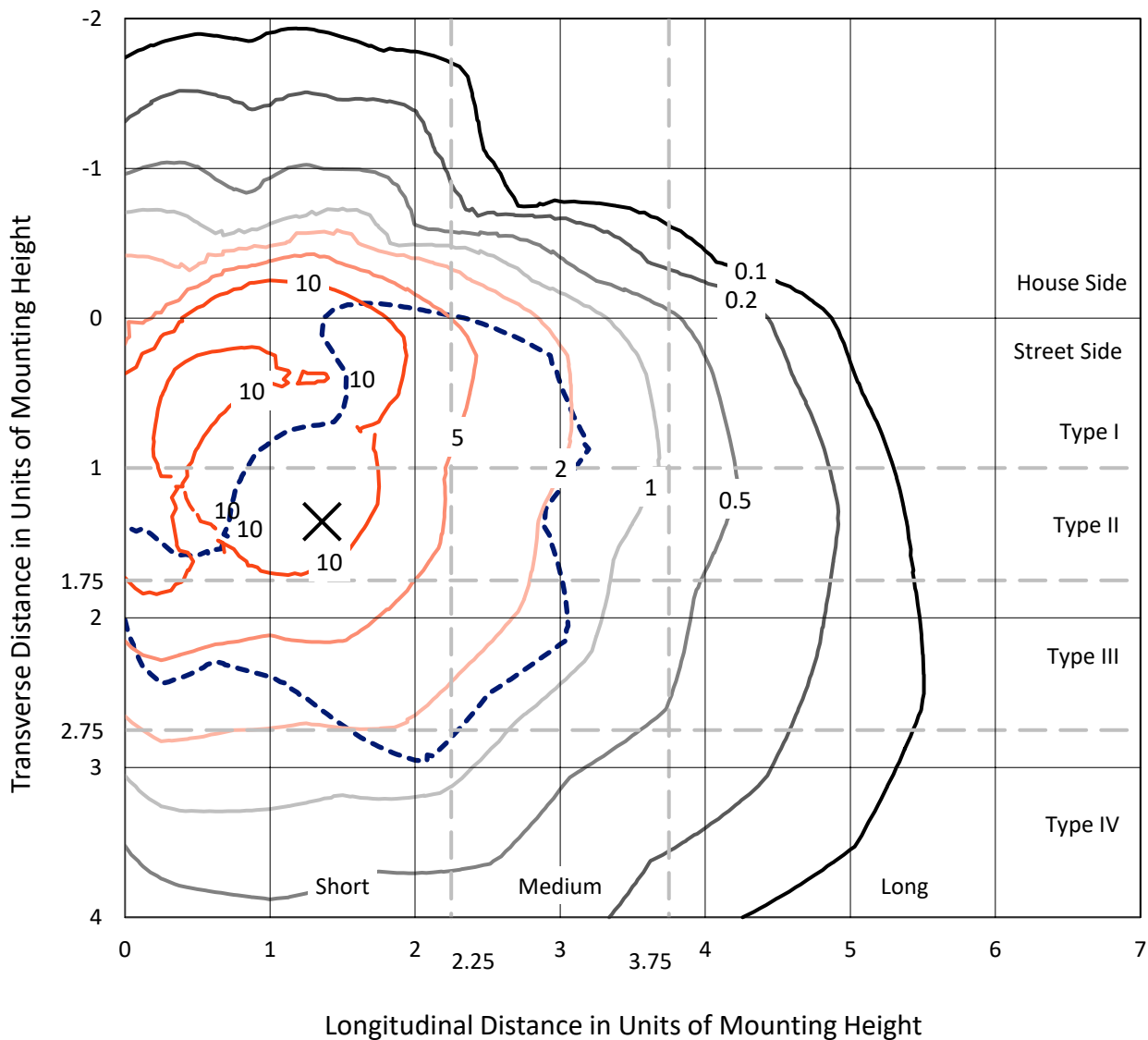
Lumens per Lamp: N/A  
Luminaire Lumens: 8657 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

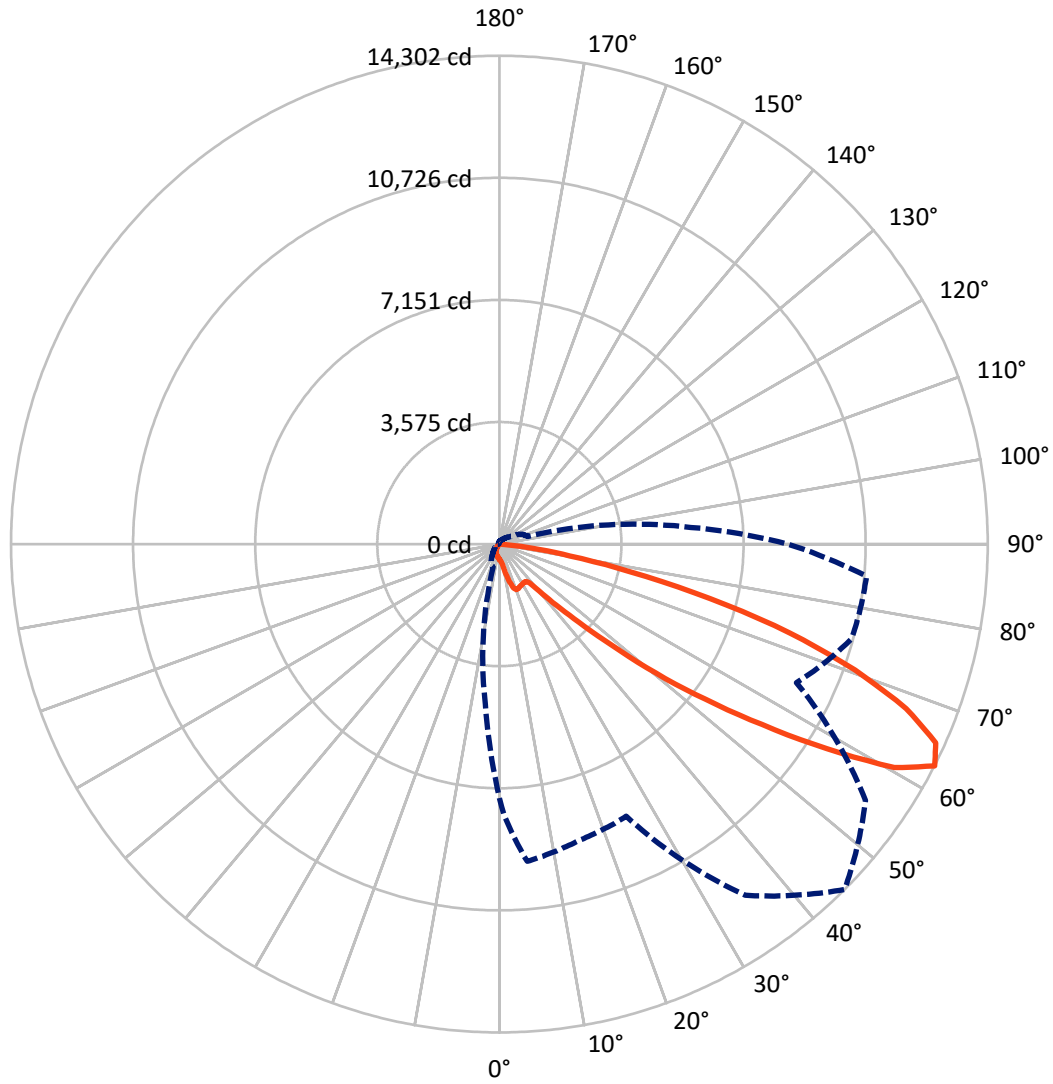
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 fc  
 Type IV - 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	1068.3	0.0	1068.3
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	7588.7	0.0	7588.7
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	8657.0	0.0	8657.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.9	0.5
10°-20°	150.9	1.7
20°-30°	328.1	3.8
30°-40°	538.5	6.2
40°-50°	990.0	11.4
50°-60°	2126.0	24.6
60°-70°	2855.6	33.0
70°-80°	1486.9	17.2
80°-90°	141.0	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°	8657.0	100.0
0°-180°	8657.0	100.0

**Coefficient of Utilization**



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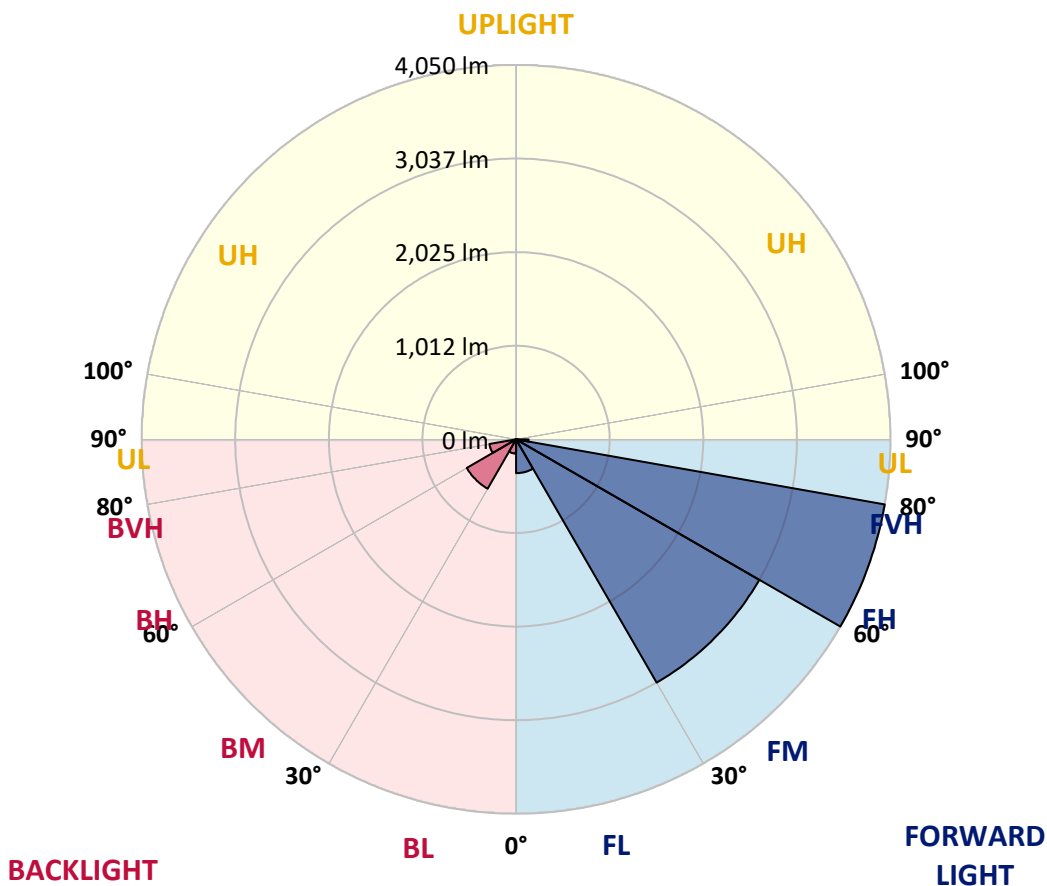
CATALOG NUMBER: GWS-SA3C-740-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.7	4.2			
FM (30°-60°)	3038.5	35.1			
FH (60°-80°)	4049.8	46.8			G2/5000
FVH (80°-90°)	134.7	1.6			G2/225
BL (0°-30°)	153.2	1.8	B1/500		
BM (30°-60°)	616.0	7.1	B1/1000		
BH (60°-80°)	292.7	3.4	B1/500		G1/500
BVH (80°-90°)	6.3	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
2.5°	459.0	461.0	463.0	470.0	475.0	479.0	480.0	477.0	470.0	463.0	453.0
5°	445.0	447.0	454.0	473.0	492.0	507.0	512.0	509.0	492.0	470.0	447.0
7.5°	444.0	448.0	465.0	505.0	546.0	577.0	585.0	578.0	546.0	502.0	455.0
10°	480.0	487.0	512.0	584.0	659.0	714.0	736.0	706.0	655.0	575.0	498.0
12.5°	574.0	586.0	634.0	739.0	855.0	928.0	958.0	921.0	841.0	725.0	603.0
15°	722.0	740.0	812.0	969.0	1106.0	1171.0	1181.0	1160.0	1067.0	939.0	775.0
17.5°	931.0	957.0	1069.0	1229.0	1327.9	1350.9	1347.9	1325.9	1258.0	1170.0	1015.0
20°	1181.0	1212.0	1321.9	1453.9	1463.9	1436.9	1421.9	1408.9	1385.9	1370.9	1250.0
22.5°	1432.9	1470.9	1585.9	1618.9	1528.9	1450.9	1413.9	1423.9	1457.9	1531.9	1482.9
25°	1683.9	1719.9	1827.9	1738.9	1558.9	1428.9	1381.9	1405.9	1486.9	1646.9	1709.9
27.5°	1976.9	2003.9	2067.9	1820.9	1563.9	1410.9	1364.9	1401.9	1500.9	1718.9	1958.9
30°	2281.9	2297.9	2266.9	1842.9	1546.9	1383.9	1347.9	1401.9	1524.9	1766.9	2145.9
32.5°	2505.9	2508.9	2407.9	1844.9	1537.9	1361.9	1331.9	1395.9	1547.9	1806.9	2326.9
35°	2736.9	2721.9	2542.9	1874.9	1561.9	1369.9	1343.9	1412.9	1583.9	1853.9	2485.9
37.5°	2970.9	2943.9	2693.9	1923.9	1623.9	1456.9	1440.9	1499.9	1641.9	1918.9	2660.9
40°	3210.9	3173.9	2850.9	1997.9	1761.9	1752.9	1807.9	1800.9	1800.9	2001.9	2840.9
42.5°	3503.9	3460.9	3082.9	2206.9	2083.9	2284.9	2434.9	2341.9	2169.9	2192.9	3074.9
45°	3890.9	3853.9	3484.9	2606.9	2588.9	3050.9	3252.9	3068.9	2640.9	2633.9	3465.9
47.5°	4509.8	4502.8	4125.8	3070.9	3206.9	4025.8	4415.8	4061.8	3177.9	3100.9	4205.8
50°	5379.8	5358.8	4924.8	3614.9	3941.8	5233.8	5929.8	5339.8	3826.9	3645.9	5196.8
52.5°	6359.8	6381.8	6043.8	4208.8	4722.8	6577.7	7546.7	6803.7	4531.8	4338.8	6443.8
55°	7282.7	7408.7	7319.7	4903.8	5485.8	8061.7	9322.6	8409.7	5404.8	5245.8	7841.7
57.5°	8004.7	8359.7	8983.7	5913.8	6382.8	9797.6	11305.6	10150.6	6423.8	6718.7	9744.6
60°	8044.7	8514.7	9963.6	8026.7	7536.7	11286.6	13285.5	11851.5	8025.7	9219.6	11235.6
62.5°	7441.7	7945.7	9325.6	8986.7	8793.7	12553.5	14301.5	13091.5	9601.6	10684.6	10793.6
65°	6751.7	7260.7	8613.7	7897.7	8647.7	12499.5	14043.5	13120.5	9744.6	9688.6	10002.6
67.5°	5708.8	6165.8	7390.7	6990.7	7970.7	11896.5	12851.5	12293.5	8977.7	9061.7	9201.6
70°	4166.8	4606.8	5743.8	5763.8	6960.7	10809.6	11042.6	10965.6	8267.7	8356.7	7956.7
72.5°	3009.9	3380.9	4361.8	4726.8	5556.8	9064.7	8903.7	9200.6	7093.7	7442.7	6390.8
75°	2163.9	2441.9	3199.9	4111.8	4404.8	6731.7	6373.8	7125.7	5691.8	6408.8	4804.8
77.5°	878.0	976.0	1259.0	2769.9	2894.9	4528.8	3901.9	5175.8	4057.8	4210.8	2328.9
80°	36.0	40.0	52.0	1429.9	1984.9	2547.9	2087.9	2766.9	2679.9	1695.9	550.0
82.5°	4.0	4.0	9.0	412.0	869.0	1405.9	984.0	1593.9	1356.9	719.0	250.0
85°	1.0	1.0	2.0	47.0	204.0	225.0	133.0	489.0	631.0	294.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	9.0	10.0	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°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
2.5°	453.0	448.0	442.0	436.0	433.0	425.0	422.0	420.0	418.0	419.0	419.0
5°	438.0	427.0	414.0	401.0	394.0	386.0	382.0	380.0	381.0	385.0	385.0
7.5°	436.0	415.0	387.0	370.0	362.0	356.0	352.0	350.0	351.0	356.0	358.0
10°	469.0	432.0	382.0	353.0	344.0	338.0	334.0	331.0	329.0	333.0	334.0
12.5°	540.0	489.0	406.0	351.0	335.0	327.0	324.0	318.0	315.0	317.0	318.0
15°	687.0	599.0	454.0	359.0	327.0	318.0	313.0	308.0	303.0	302.0	303.0
17.5°	879.0	753.0	527.0	378.0	321.0	310.0	303.0	296.0	289.0	288.0	287.0
20°	1117.0	942.0	629.0	408.0	316.0	303.0	293.0	283.0	274.0	271.0	271.0
22.5°	1333.9	1170.0	760.0	445.0	309.0	293.0	281.0	269.0	259.0	254.0	253.0
25°	1598.9	1411.9	917.0	488.0	299.0	280.0	267.0	255.0	245.0	239.0	237.0
27.5°	1865.9	1666.9	1095.0	544.0	287.0	267.0	255.0	244.0	233.0	226.0	224.0
30°	2124.9	1941.9	1295.0	614.0	278.0	254.0	244.0	233.0	223.0	212.0	209.0
32.5°	2402.9	2222.9	1518.9	692.0	271.0	245.0	234.0	224.0	211.0	201.0	196.0
35°	2670.9	2512.9	1765.9	768.0	264.0	237.0	225.0	215.0	201.0	190.0	183.0
37.5°	2940.9	2807.9	2023.9	814.0	254.0	226.0	215.0	207.0	191.0	178.0	170.0
40°	3226.9	3112.9	2302.9	795.0	245.0	214.0	208.0	199.0	181.0	166.0	156.0
42.5°	3540.9	3403.9	2586.9	722.0	237.0	204.0	198.0	189.0	172.0	154.0	141.0
45°	3935.8	3722.9	2819.9	612.0	241.0	194.0	182.0	180.0	164.0	141.0	125.0
47.5°	4614.8	4212.8	3000.9	541.0	268.0	183.0	169.0	174.0	157.0	128.0	110.0
50°	5653.8	5024.8	3169.9	536.0	309.0	178.0	157.0	170.0	150.0	115.0	97.0
52.5°	6643.7	5849.8	3277.9	580.0	345.0	191.0	145.0	165.0	145.0	106.0	88.0
55°	7590.7	6325.8	3084.9	612.0	379.0	230.0	136.0	157.0	139.0	101.0	85.0
57.5°	8611.7	6537.8	2428.9	677.0	403.0	263.0	138.0	145.0	131.0	98.0	84.0
60°	8916.7	6266.8	1465.9	762.0	390.0	273.0	153.0	129.0	120.0	92.0	81.0
62.5°	8442.7	5623.8	865.0	694.0	379.0	258.0	175.0	119.0	109.0	84.0	75.0
65°	7733.7	4750.8	564.0	586.0	402.0	230.0	186.0	114.0	99.0	76.0	66.0
67.5°	6923.7	3826.9	395.0	346.0	371.0	207.0	157.0	113.0	89.0	64.0	54.0
70°	5831.8	2865.9	278.0	229.0	309.0	184.0	122.0	110.0	78.0	52.0	42.0
72.5°	4505.8	1793.9	207.0	148.0	220.0	150.0	97.0	93.0	63.0	43.0	32.0
75°	3322.9	1023.0	146.0	107.0	145.0	114.0	72.0	66.0	54.0	41.0	29.0
77.5°	1734.9	512.0	91.0	82.0	83.0	71.0	52.0	48.0	50.0	41.0	27.0
80°	333.0	102.0	55.0	60.0	45.0	45.0	38.0	40.0	44.0	33.0	23.0
82.5°	139.0	22.0	30.0	34.0	28.0	31.0	31.0	32.0	31.0	24.0	17.0
85°	0.0	0.0	13.0	14.0	19.0	19.0	16.0	16.0	16.0	14.0	10.0
87.5°	0.0	0.0	0.0	0.0	1.0	3.0	6.0	7.0	8.0	6.0	4.0
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°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
2.5°	418.0	416.0	419.0	421.0	423.0	423.0	421.0	419.0	416.0	419.0	416.0
5°	386.0	389.0	394.0	396.0	398.0	394.0	392.0	386.0	381.0	382.0	380.0
7.5°	361.0	364.0	370.0	374.0	374.0	372.0	366.0	360.0	352.0	352.0	351.0
10°	338.0	342.0	349.0	354.0	356.0	354.0	348.0	340.0	333.0	333.0	330.0
12.5°	319.0	324.0	332.0	339.0	341.0	339.0	333.0	325.0	317.0	317.0	315.0
15°	303.0	309.0	318.0	326.0	329.0	326.0	319.0	309.0	301.0	302.0	299.0
17.5°	288.0	293.0	305.0	314.0	317.0	314.0	305.0	292.0	284.0	286.0	284.0
20°	271.0	277.0	289.0	299.0	302.0	299.0	289.0	275.0	267.0	267.0	268.0
22.5°	253.0	259.0	271.0	278.0	282.0	279.0	269.0	256.0	248.0	248.0	249.0
25°	237.0	240.0	249.0	256.0	257.0	254.0	246.0	236.0	230.0	233.0	234.0
27.5°	222.0	222.0	226.0	230.0	229.0	226.0	223.0	215.0	214.0	217.0	220.0
30°	206.0	201.0	199.0	196.0	195.0	194.0	197.0	197.0	199.0	203.0	206.0
32.5°	192.0	182.0	173.0	164.0	159.0	163.0	171.0	178.0	185.0	191.0	194.0
35°	176.0	160.0	145.0	133.0	125.0	131.0	144.0	157.0	169.0	177.0	182.0
37.5°	160.0	137.0	119.0	104.0	98.0	103.0	117.0	135.0	153.0	163.0	170.0
40°	143.0	114.0	93.0	81.0	75.0	80.0	94.0	112.0	136.0	149.0	158.0
42.5°	126.0	94.0	75.0	63.0	60.0	63.0	74.0	92.0	118.0	134.0	146.0
45°	109.0	78.0	60.0	51.0	48.0	51.0	60.0	75.0	101.0	119.0	133.0
47.5°	94.0	66.0	50.0	42.0	40.0	43.0	50.0	63.0	85.0	103.0	119.0
50°	82.0	58.0	43.0	36.0	34.0	37.0	43.0	53.0	72.0	88.0	105.0
52.5°	74.0	54.0	38.0	31.0	30.0	32.0	37.0	45.0	61.0	75.0	91.0
55°	72.0	54.0	35.0	28.0	27.0	29.0	33.0	39.0	53.0	65.0	79.0
57.5°	74.0	58.0	33.0	24.0	23.0	25.0	29.0	34.0	46.0	56.0	69.0
60°	74.0	59.0	29.0	19.0	18.0	20.0	24.0	30.0	41.0	49.0	60.0
62.5°	67.0	54.0	24.0	15.0	13.0	15.0	20.0	25.0	36.0	44.0	53.0
65°	58.0	46.0	20.0	11.0	9.0	11.0	16.0	21.0	31.0	38.0	48.0
67.5°	47.0	35.0	15.0	8.0	6.0	8.0	12.0	17.0	26.0	33.0	43.0
70°	35.0	25.0	12.0	7.0	6.0	7.0	11.0	16.0	23.0	30.0	40.0
72.5°	26.0	17.0	10.0	7.0	5.0	7.0	10.0	15.0	22.0	29.0	38.0
75°	22.0	14.0	9.0	6.0	5.0	6.0	9.0	14.0	20.0	27.0	36.0
77.5°	21.0	13.0	8.0	5.0	4.0	5.0	8.0	12.0	18.0	25.0	35.0
80°	18.0	11.0	7.0	4.0	3.0	4.0	7.0	10.0	14.0	19.0	27.0
82.5°	14.0	9.0	5.0	2.0	1.0	2.0	5.0	6.0	9.0	11.0	16.0
85°	9.0	5.0	2.0	0.0	0.0	0.0	2.0	4.0	4.0	5.0	8.0
87.5°	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0
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°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
2.5°	422.0	423.0	425.0	428.0	435.0	441.0	447.0	455.0	459.0	459.0
5°	382.0	383.0	384.0	388.0	398.0	406.0	419.0	435.0	443.0	445.0
7.5°	351.0	353.0	355.0	358.0	368.0	379.0	396.0	426.0	441.0	444.0
10°	333.0	336.0	340.0	346.0	355.0	367.0	396.0	450.0	475.0	480.0
12.5°	319.0	324.0	328.0	335.0	346.0	365.0	423.0	518.0	562.0	574.0
15°	305.0	311.0	317.0	324.0	336.0	372.0	475.0	640.0	713.0	722.0
17.5°	291.0	298.0	306.0	314.0	329.0	389.0	557.0	809.0	911.0	931.0
20°	275.0	284.0	295.0	305.0	322.0	416.0	671.0	1010.0	1138.0	1181.0
22.5°	258.0	269.0	282.0	295.0	314.0	449.0	809.0	1226.0	1404.9	1432.9
25°	244.0	255.0	267.0	280.0	301.0	489.0	976.0	1493.9	1656.9	1683.9
27.5°	231.0	242.0	253.0	265.0	288.0	541.0	1177.0	1778.9	1948.9	1976.9
30°	217.0	230.0	241.0	253.0	276.0	605.0	1408.9	2094.9	2255.9	2281.9
32.5°	205.0	218.0	229.0	241.0	267.0	675.0	1652.9	2374.9	2505.9	2505.9
35°	195.0	209.0	217.0	233.0	260.0	720.0	1883.9	2641.9	2740.9	2736.9
37.5°	184.0	201.0	207.0	218.0	251.0	725.0	2100.9	2923.9	2996.9	2970.9
40°	173.0	191.0	200.0	206.0	241.0	684.0	2338.9	3182.9	3244.9	3210.9
42.5°	163.0	177.0	190.0	197.0	235.0	612.0	2529.9	3459.9	3533.9	3503.9
45°	153.0	165.0	173.0	186.0	239.0	562.0	2693.9	3782.9	3912.9	3890.9
47.5°	143.0	153.0	158.0	178.0	266.0	539.0	2793.9	4282.8	4527.8	4509.8
50°	132.0	144.0	144.0	176.0	306.0	547.0	2880.9	5006.8	5385.8	5379.8
52.5°	121.0	134.0	132.0	191.0	337.0	584.0	2979.9	5645.8	6304.8	6359.8
55°	110.0	122.0	124.0	221.0	355.0	616.0	2596.9	5914.8	7089.7	7282.7
57.5°	98.0	105.0	129.0	244.0	349.0	709.0	1778.9	5963.8	7590.7	8004.7
60°	85.0	91.0	146.0	239.0	330.0	655.0	1120.0	5523.8	7519.7	8044.7
62.5°	74.0	84.0	154.0	211.0	336.0	568.0	714.0	4707.8	6842.7	7441.7
65°	65.0	81.0	140.0	191.0	340.0	385.0	482.0	3829.9	6181.8	6751.7
67.5°	58.0	90.0	115.0	170.0	292.0	271.0	331.0	2975.9	5197.8	5708.8
70°	53.0	92.0	94.0	146.0	226.0	174.0	218.0	2002.9	3582.9	4166.8
72.5°	48.0	68.0	71.0	117.0	146.0	106.0	141.0	1146.0	2611.9	3009.9
75°	46.0	46.0	49.0	76.0	81.0	77.0	91.0	684.0	1872.9	2163.9
77.5°	43.0	35.0	31.0	49.0	44.0	55.0	54.0	304.0	812.0	878.0
80°	34.0	25.0	21.0	31.0	30.0	37.0	32.0	25.0	37.0	36.0
82.5°	21.0	16.0	15.0	19.0	17.0	19.0	15.0	4.0	4.0	4.0
85°	10.0	9.0	8.0	8.0	9.0	8.0	6.0	2.0	1.0	1.0
87.5°	5.0	5.0	4.0	3.0	4.0	4.0	3.0	1.0	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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