

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: P635295

Luminaire Tested: GWS-SA3D-740-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635295  
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-SA3D-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**

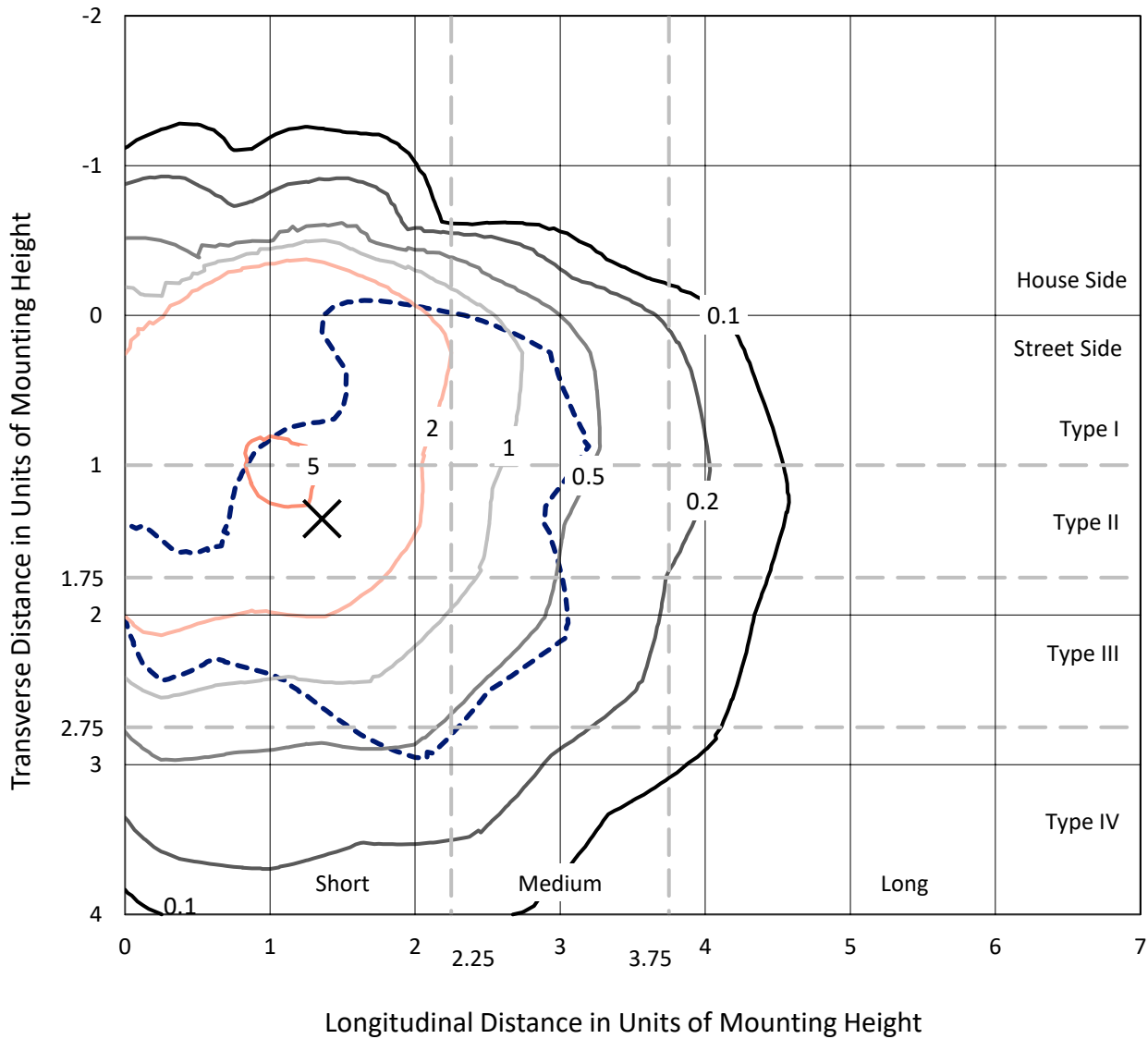
Lumens per Lamp: N/A  
Luminaire Lumens: 10921.3 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

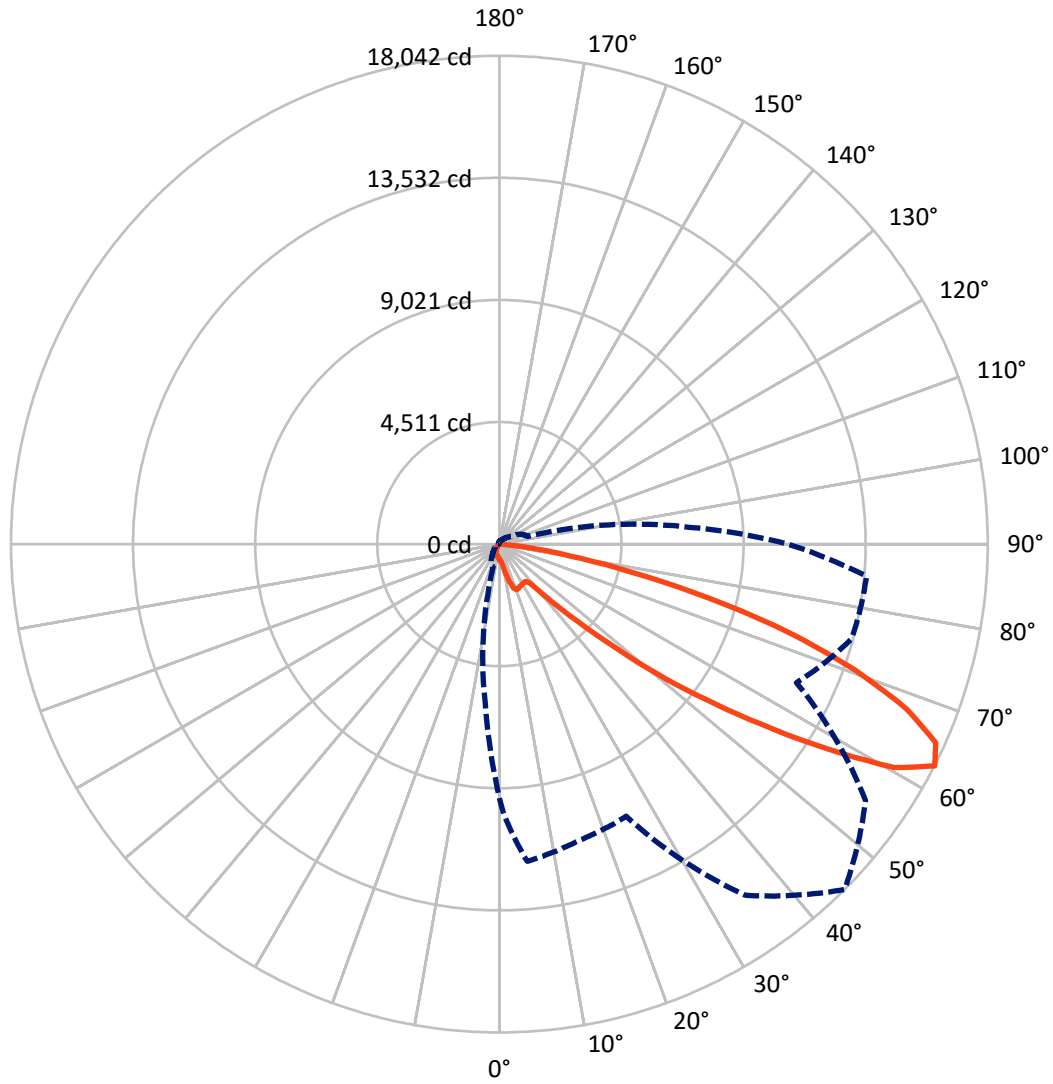
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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	1347.7	0.0	1347.7
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	9573.6	0.0	9573.6
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	10921.3	0.0	10921.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.4	0.5
10°-20°	190.4	1.7
20°-30°	413.9	3.8
30°-40°	679.4	6.2
40°-50°	1248.9	11.4
50°-60°	2682.1	24.6
60°-70°	3602.5	33.0
70°-80°	1875.9	17.2
80°-90°	177.9	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°	10921.3	100.0
0°-180°	10921.3	100.0

**Coefficient of Utilization**



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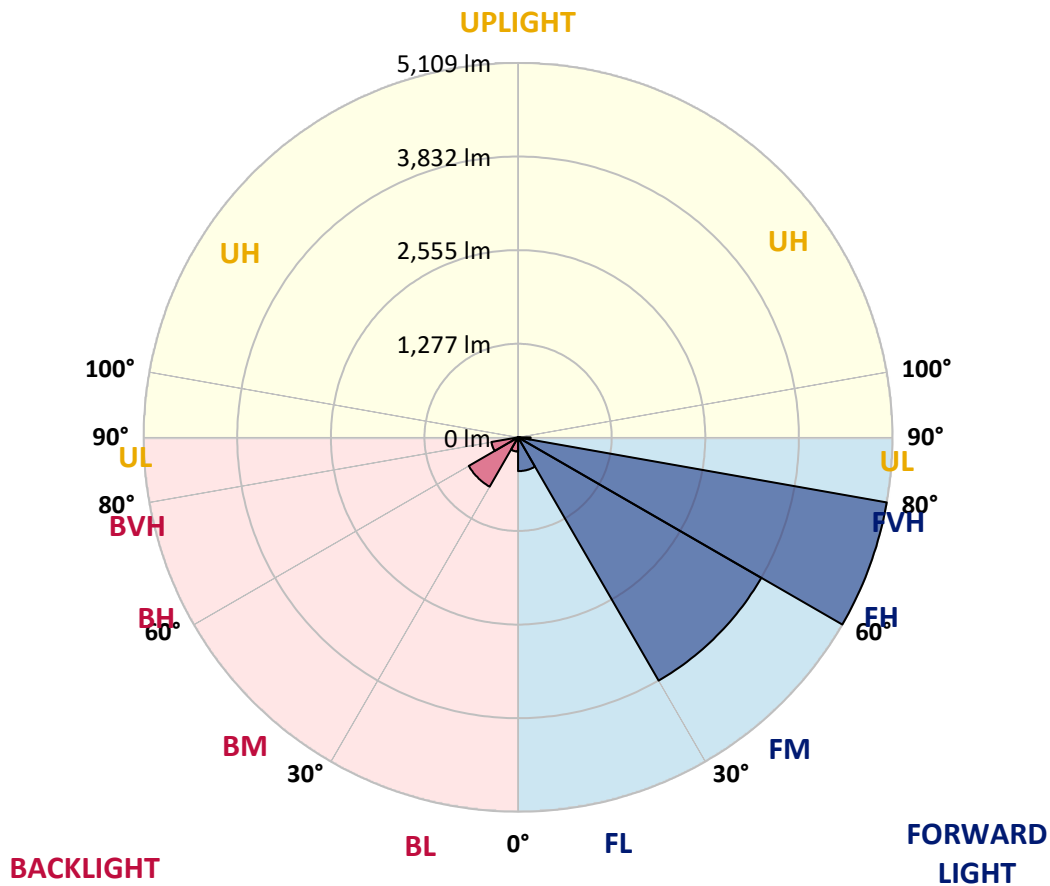
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	461.4	4.2			
FM (30°-60°)	3833.2	35.1			
FH (60°-80°)	5109.1	46.8			G3/7500
FVH (80°-90°)	169.9	1.6			G2/225
BL (0°-30°)	193.3	1.8	B1/500		
BM (30°-60°)	777.2	7.1	B1/1000		
BH (60°-80°)	369.3	3.4	B1/500		G1/500
BVH (80°-90°)	7.9	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-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
2.5°	579.0	581.6	584.1	592.9	599.2	604.3	605.5	601.7	592.9	584.1	571.5
5°	561.4	563.9	572.7	596.7	620.7	639.6	645.9	642.1	620.7	592.9	563.9
7.5°	560.1	565.2	586.6	637.1	688.8	727.9	738.0	729.2	688.8	633.3	574.0
10°	605.5	614.4	645.9	736.7	831.3	900.7	928.5	890.6	826.3	725.4	628.2
12.5°	724.1	739.2	799.8	932.3	1078.6	1170.7	1208.5	1161.8	1060.9	914.6	760.7
15°	910.8	933.5	1024.3	1222.4	1395.2	1477.2	1489.8	1463.4	1346.0	1184.6	977.7
17.5°	1174.5	1207.3	1348.6	1550.4	1675.3	1704.3	1700.5	1672.8	1587.0	1476.0	1280.4
20°	1489.8	1528.9	1667.7	1834.2	1846.8	1812.8	1793.9	1777.5	1748.5	1729.5	1576.9
22.5°	1807.7	1855.7	2000.8	2042.4	1928.8	1830.4	1783.8	1796.4	1839.3	1932.6	1870.8
25°	2124.4	2169.8	2306.0	2193.8	1966.7	1802.7	1743.4	1773.7	1875.9	2077.7	2157.2
27.5°	2494.0	2528.1	2608.8	2297.2	1973.0	1780.0	1722.0	1768.6	1893.5	2168.5	2471.3
30°	2878.8	2898.9	2859.8	2325.0	1951.6	1745.9	1700.5	1768.6	1923.8	2229.1	2707.2
32.5°	3161.3	3165.1	3037.7	2327.5	1940.2	1718.2	1680.3	1761.1	1952.8	2279.5	2935.5
35°	3452.7	3433.8	3208.0	2365.3	1970.5	1728.3	1695.5	1782.5	1998.2	2338.8	3136.1
37.5°	3747.9	3713.9	3398.5	2427.1	2048.7	1838.0	1817.8	1892.3	2071.4	2420.8	3356.9
40°	4050.7	4004.0	3596.6	2520.5	2222.8	2211.4	2280.8	2272.0	2272.0	2525.5	3583.9
42.5°	4420.3	4366.1	3889.2	2784.2	2629.0	2882.5	3071.8	2954.5	2737.5	2766.5	3879.1
45°	4908.5	4861.9	4396.4	3288.8	3266.0	3848.9	4103.7	3871.6	3331.6	3322.8	4372.4
47.5°	5689.4	5680.6	5205.0	3874.1	4045.7	5078.8	5570.8	5124.2	4009.1	3911.9	5305.9
50°	6786.9	6760.4	6212.9	4560.4	4972.9	6602.7	7480.7	6736.5	4827.8	4599.5	6556.1
52.5°	8023.2	8050.9	7624.6	5309.7	5958.1	8298.2	9520.6	8583.3	5717.2	5473.7	8129.2
55°	9187.6	9346.5	9234.2	6186.4	6920.6	10170.3	11761.0	10609.3	6818.5	6617.9	9892.8
57.5°	10098.4	10546.2	11333.4	7460.6	8052.2	12360.3	14262.6	12805.6	8103.9	8476.1	12293.4
60°	10148.8	10741.7	12569.7	10126.1	9508.0	14238.7	16760.4	14951.4	10124.9	11631.1	14174.3
62.5°	9388.1	10023.9	11764.8	11337.2	11093.7	15837.0	18042.1	16515.7	12113.0	13479.2	13616.7
65°	8517.7	9159.8	10866.6	9963.4	10909.5	15768.9	17716.6	16552.3	12293.4	12222.8	12618.9
67.5°	7202.0	7778.5	9323.8	8819.2	10055.5	15008.2	16212.9	15509.0	11325.8	11431.8	11608.4
70°	5256.7	5811.8	7246.1	7271.3	8781.4	13636.9	13930.8	13833.7	10430.2	10542.4	10037.8
72.5°	3797.1	4265.2	5502.7	5963.2	7010.2	11435.6	11232.5	11607.1	8949.1	9389.4	8062.3
75°	2729.9	3080.6	4036.8	5187.3	5556.9	8492.5	8040.9	8989.5	7180.5	8085.0	6061.6
77.5°	1107.6	1231.2	1588.2	3494.4	3652.1	5713.4	4922.4	6529.6	5119.2	5312.2	2938.1
80°	45.4	50.5	65.6	1804.0	2504.1	3214.3	2634.0	3490.6	3380.8	2139.5	693.8
82.5°	5.0	5.0	11.4	519.7	1096.3	1773.7	1241.3	2010.8	1711.9	907.0	315.4
85°	1.3	1.3	2.5	59.3	257.3	283.8	167.8	616.9	796.0	370.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	11.4	12.6	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°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
2.5°	571.5	565.2	557.6	550.0	546.2	536.1	532.4	529.8	527.3	528.6	528.6
5°	552.5	538.7	522.3	505.9	497.0	486.9	481.9	479.4	480.6	485.7	485.7
7.5°	550.0	523.5	488.2	466.8	456.7	449.1	444.1	441.5	442.8	449.1	451.6
10°	591.6	545.0	481.9	445.3	434.0	426.4	421.3	417.6	415.0	420.1	421.3
12.5°	681.2	616.9	512.2	442.8	422.6	412.5	408.7	401.2	397.4	399.9	401.2
15°	866.7	755.6	572.7	452.9	412.5	401.2	394.9	388.5	382.2	381.0	382.2
17.5°	1108.9	949.9	664.8	476.9	404.9	391.1	382.2	373.4	364.6	363.3	362.1
20°	1409.1	1188.3	793.5	514.7	398.6	382.2	369.6	357.0	345.7	341.9	341.9
22.5°	1682.9	1476.0	958.7	561.4	389.8	369.6	354.5	339.3	326.7	320.4	319.2
25°	2017.2	1781.3	1156.8	615.6	377.2	353.2	336.8	321.7	309.1	301.5	299.0
27.5°	2354.0	2102.9	1381.4	686.3	362.1	336.8	321.7	307.8	293.9	285.1	282.6
30°	2680.7	2449.9	1633.7	774.6	350.7	320.4	307.8	293.9	281.3	267.4	263.7
32.5°	3031.4	2804.3	1916.2	873.0	341.9	309.1	295.2	282.6	266.2	253.6	247.3
35°	3369.5	3170.2	2227.8	968.8	333.0	299.0	283.8	271.2	253.6	239.7	230.9
37.5°	3710.1	3542.3	2553.3	1026.9	320.4	285.1	271.2	261.1	240.9	224.5	214.5
40°	4070.9	3927.1	2905.3	1002.9	309.1	270.0	262.4	251.0	228.3	209.4	196.8
42.5°	4467.0	4294.2	3263.5	910.8	299.0	257.3	249.8	238.4	217.0	194.3	177.9
45°	4965.3	4696.6	3557.5	772.0	304.0	244.7	229.6	227.1	206.9	177.9	157.7
47.5°	5821.9	5314.7	3785.8	682.5	338.1	230.9	213.2	219.5	198.1	161.5	138.8
50°	7132.6	6339.1	3999.0	676.2	389.8	224.5	198.1	214.5	189.2	145.1	122.4
52.5°	8381.5	7379.8	4135.2	731.7	435.2	240.9	182.9	208.1	182.9	133.7	111.0
55°	9576.1	7980.3	3891.8	772.0	478.1	290.1	171.6	198.1	175.3	127.4	107.2
57.5°	10864.1	8247.7	3064.2	854.0	508.4	331.8	174.1	182.9	165.3	123.6	106.0
60°	11248.9	7905.9	1849.4	961.3	492.0	344.4	193.0	162.7	151.4	116.1	102.2
62.5°	10650.9	7094.7	1091.2	875.5	478.1	325.5	220.8	150.1	137.5	106.0	94.6
65°	9756.5	5993.4	711.5	739.2	507.1	290.1	234.6	143.8	124.9	95.9	83.3
67.5°	8734.7	4827.8	498.3	436.5	468.0	261.1	198.1	142.6	112.3	80.7	68.1
70°	7357.1	3615.5	350.7	288.9	389.8	232.1	153.9	138.8	98.4	65.6	53.0
72.5°	5684.4	2263.1	261.1	186.7	277.5	189.2	122.4	117.3	79.5	54.2	40.4
75°	4192.0	1290.5	184.2	135.0	182.9	143.8	90.8	83.3	68.1	51.7	36.6
77.5°	2188.7	645.9	114.8	103.4	104.7	89.6	65.6	60.6	63.1	51.7	34.1
80°	420.1	128.7	69.4	75.7	56.8	56.8	47.9	50.5	55.5	41.6	29.0
82.5°	175.3	27.8	37.8	42.9	35.3	39.1	39.1	40.4	39.1	30.3	21.4
85°	0.0	0.0	16.4	17.7	24.0	24.0	20.2	20.2	20.2	17.7	12.6
87.5°	0.0	0.0	0.0	0.0	1.3	3.8	7.6	8.8	10.1	7.6	5.0
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°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
2.5°	527.3	524.8	528.6	531.1	533.6	533.6	531.1	528.6	524.8	528.6	524.8
5°	486.9	490.7	497.0	499.6	502.1	497.0	494.5	486.9	480.6	481.9	479.4
7.5°	455.4	459.2	466.8	471.8	471.8	469.3	461.7	454.1	444.1	444.1	442.8
10°	426.4	431.4	440.3	446.6	449.1	446.6	439.0	428.9	420.1	420.1	416.3
12.5°	402.4	408.7	418.8	427.7	430.2	427.7	420.1	410.0	399.9	399.9	397.4
15°	382.2	389.8	401.2	411.3	415.0	411.3	402.4	389.8	379.7	381.0	377.2
17.5°	363.3	369.6	384.8	396.1	399.9	396.1	384.8	368.4	358.3	360.8	358.3
20°	341.9	349.4	364.6	377.2	381.0	377.2	364.6	346.9	336.8	336.8	338.1
22.5°	319.2	326.7	341.9	350.7	355.7	352.0	339.3	322.9	312.9	312.9	314.1
25°	299.0	302.8	314.1	322.9	324.2	320.4	310.3	297.7	290.1	293.9	295.2
27.5°	280.1	280.1	285.1	290.1	288.9	285.1	281.3	271.2	270.0	273.7	277.5
30°	259.9	253.6	251.0	247.3	246.0	244.7	248.5	248.5	251.0	256.1	259.9
32.5°	242.2	229.6	218.2	206.9	200.6	205.6	215.7	224.5	233.4	240.9	244.7
35°	222.0	201.8	182.9	167.8	157.7	165.3	181.7	198.1	213.2	223.3	229.6
37.5°	201.8	172.8	150.1	131.2	123.6	129.9	147.6	170.3	193.0	205.6	214.5
40°	180.4	143.8	117.3	102.2	94.6	100.9	118.6	141.3	171.6	188.0	199.3
42.5°	159.0	118.6	94.6	79.5	75.7	79.5	93.4	116.1	148.9	169.0	184.2
45°	137.5	98.4	75.7	64.3	60.6	64.3	75.7	94.6	127.4	150.1	167.8
47.5°	118.6	83.3	63.1	53.0	50.5	54.2	63.1	79.5	107.2	129.9	150.1
50°	103.4	73.2	54.2	45.4	42.9	46.7	54.2	66.9	90.8	111.0	132.5
52.5°	93.4	68.1	47.9	39.1	37.8	40.4	46.7	56.8	77.0	94.6	114.8
55°	90.8	68.1	44.2	35.3	34.1	36.6	41.6	49.2	66.9	82.0	99.7
57.5°	93.4	73.2	41.6	30.3	29.0	31.5	36.6	42.9	58.0	70.6	87.0
60°	93.4	74.4	36.6	24.0	22.7	25.2	30.3	37.8	51.7	61.8	75.7
62.5°	84.5	68.1	30.3	18.9	16.4	18.9	25.2	31.5	45.4	55.5	66.9
65°	73.2	58.0	25.2	13.9	11.4	13.9	20.2	26.5	39.1	47.9	60.6
67.5°	59.3	44.2	18.9	10.1	7.6	10.1	15.1	21.4	32.8	41.6	54.2
70°	44.2	31.5	15.1	8.8	7.6	8.8	13.9	20.2	29.0	37.8	50.5
72.5°	32.8	21.4	12.6	8.8	6.3	8.8	12.6	18.9	27.8	36.6	47.9
75°	27.8	17.7	11.4	7.6	6.3	7.6	11.4	17.7	25.2	34.1	45.4
77.5°	26.5	16.4	10.1	6.3	5.0	6.3	10.1	15.1	22.7	31.5	44.2
80°	22.7	13.9	8.8	5.0	3.8	5.0	8.8	12.6	17.7	24.0	34.1
82.5°	17.7	11.4	6.3	2.5	1.3	2.5	6.3	7.6	11.4	13.9	20.2
85°	11.4	6.3	2.5	0.0	0.0	0.0	2.5	5.0	5.0	6.3	10.1
87.5°	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.5	3.8
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°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
2.5°	532.4	533.6	536.1	539.9	548.8	556.3	563.9	574.0	579.0	579.0
5°	481.9	483.2	484.4	489.5	502.1	512.2	528.6	548.8	558.8	561.4
7.5°	442.8	445.3	447.8	451.6	464.2	478.1	499.6	537.4	556.3	560.1
10°	420.1	423.9	428.9	436.5	447.8	463.0	499.6	567.7	599.2	605.5
12.5°	402.4	408.7	413.8	422.6	436.5	460.5	533.6	653.5	709.0	724.1
15°	384.8	392.3	399.9	408.7	423.9	469.3	599.2	807.4	899.5	910.8
17.5°	367.1	375.9	386.0	396.1	415.0	490.7	702.7	1020.6	1149.2	1174.5
20°	346.9	358.3	372.1	384.8	406.2	524.8	846.5	1274.1	1435.6	1489.8
22.5°	325.5	339.3	355.7	372.1	396.1	566.4	1020.6	1546.6	1772.4	1807.7
25°	307.8	321.7	336.8	353.2	379.7	616.9	1231.2	1884.7	2090.3	2124.4
27.5°	291.4	305.3	319.2	334.3	363.3	682.5	1484.8	2244.2	2458.7	2494.0
30°	273.7	290.1	304.0	319.2	348.2	763.2	1777.5	2642.9	2846.0	2878.8
32.5°	258.6	275.0	288.9	304.0	336.8	851.5	2085.3	2996.1	3161.3	3161.3
35°	246.0	263.7	273.7	293.9	328.0	908.3	2376.7	3332.9	3457.8	3452.7
37.5°	232.1	253.6	261.1	275.0	316.6	914.6	2650.4	3688.7	3780.7	3747.9
40°	218.2	240.9	252.3	259.9	304.0	862.9	2950.7	4015.4	4093.6	4050.7
42.5°	205.6	223.3	239.7	248.5	296.5	772.0	3191.6	4364.8	4458.2	4420.3
45°	193.0	208.1	218.2	234.6	301.5	709.0	3398.5	4772.3	4936.3	4908.5
47.5°	180.4	193.0	199.3	224.5	335.6	680.0	3524.7	5403.0	5712.1	5689.4
50°	166.5	181.7	181.7	222.0	386.0	690.0	3634.4	6316.4	6794.5	6786.9
52.5°	152.6	169.0	166.5	240.9	425.1	736.7	3759.3	7122.5	7953.8	8023.2
55°	138.8	153.9	156.4	278.8	447.8	777.1	3276.1	7461.8	8944.1	9187.6
57.5°	123.6	132.5	162.7	307.8	440.3	894.4	2244.2	7523.6	9576.1	10098.4
60°	107.2	114.8	184.2	301.5	416.3	826.3	1412.9	6968.6	9486.5	10148.8
62.5°	93.4	106.0	194.3	266.2	423.9	716.5	900.7	5939.2	8632.5	9388.1
65°	82.0	102.2	176.6	240.9	428.9	485.7	608.0	4831.6	7798.6	8517.7
67.5°	73.2	113.5	145.1	214.5	368.4	341.9	417.6	3754.3	6557.3	7202.0
70°	66.9	116.1	118.6	184.2	285.1	219.5	275.0	2526.8	4520.0	5256.7
72.5°	60.6	85.8	89.6	147.6	184.2	133.7	177.9	1445.7	3295.1	3797.1
75°	58.0	58.0	61.8	95.9	102.2	97.1	114.8	862.9	2362.8	2729.9
77.5°	54.2	44.2	39.1	61.8	55.5	69.4	68.1	383.5	1024.3	1107.6
80°	42.9	31.5	26.5	39.1	37.8	46.7	40.4	31.5	46.7	45.4
82.5°	26.5	20.2	18.9	24.0	21.4	24.0	18.9	5.0	5.0	5.0
85°	12.6	11.4	10.1	10.1	11.4	10.1	7.6	2.5	1.3	1.3
87.5°	6.3	6.3	5.0	3.8	5.0	5.0	3.8	1.3	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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