

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P367776

Luminaire Tested: **PMM-SA3A-830-U-SLL**

Issue Date: 12/2/2019

Report Generated By 670245982

**Test Information**

Test Method: LM-79-08  
Report Number: P367776  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA3A-830-U-SLL  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

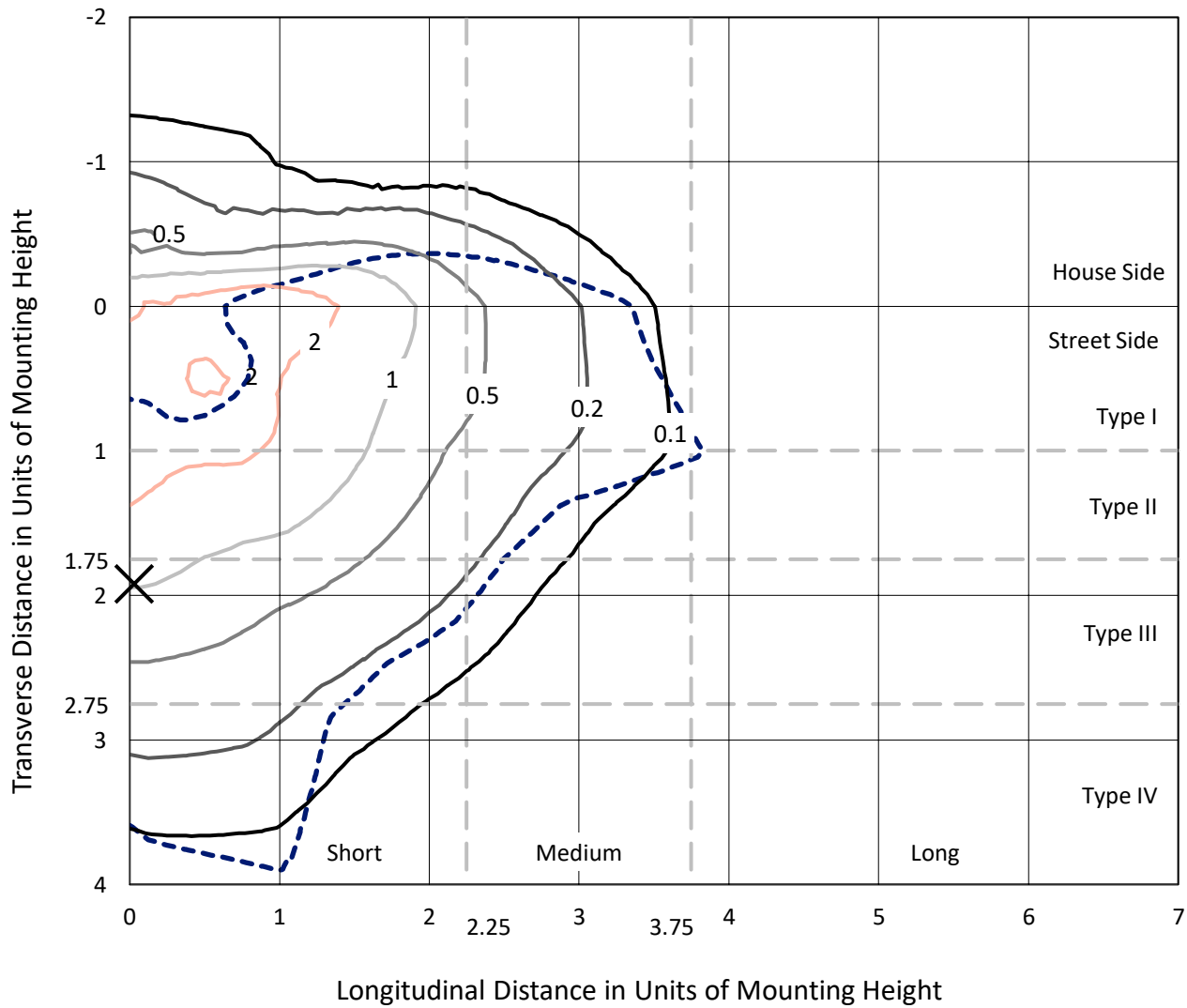
Lumens per Lamp: N/A  
Luminaire Lumens: 7985 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
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

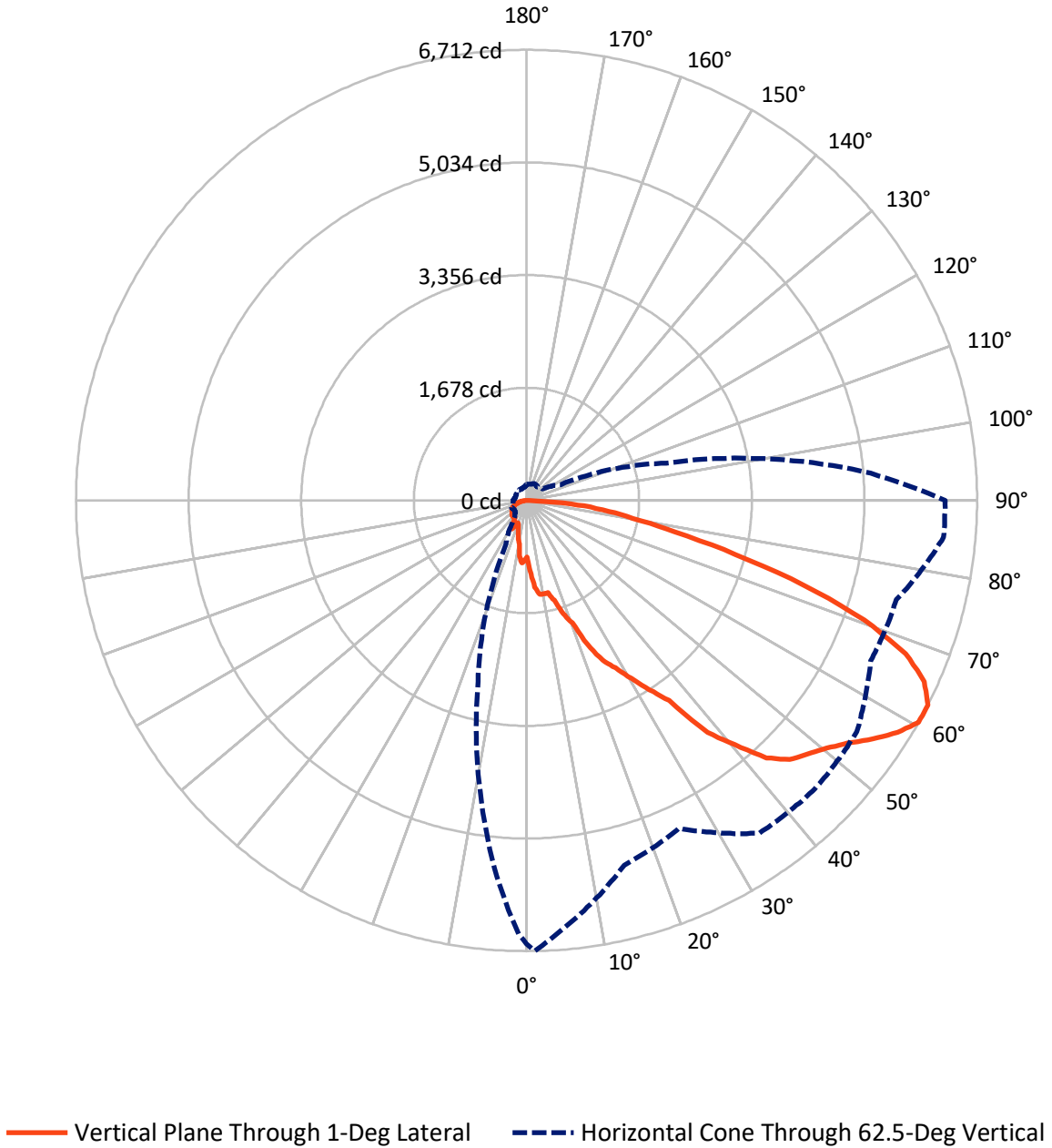
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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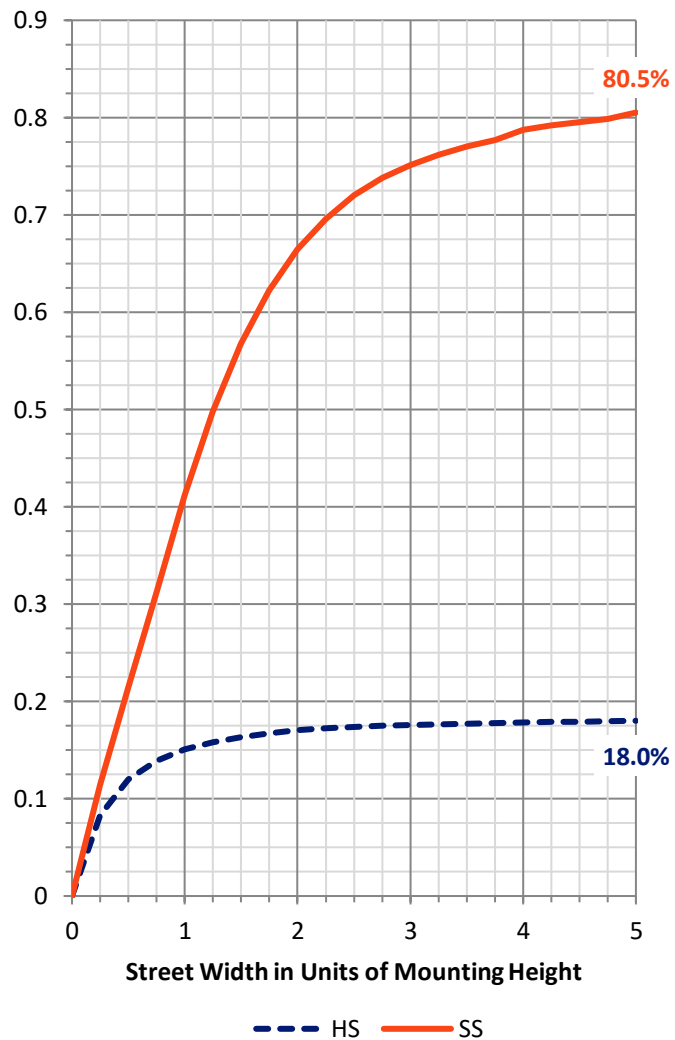
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1454.0	0.0	1454.0
	% Fixture	18.2	0.0	18.2
<b>Street Side</b>	Lumens	6531.0	0.0	6531.0
	% Fixture	81.8	0.0	81.8
<b>Total</b>	Lumens	7985.0	0.0	7985.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	1.2
10°-20°	280.5	3.5
20°-30°	495.2	6.2
30°-40°	771.3	9.7
40°-50°	1270.1	15.9
50°-60°	1812.7	22.7
60°-70°	1922.2	24.1
70°-80°	1061.8	13.3
80°-90°	274.6	3.4
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°	7985.0	100.0
0°-180°	7985.0	100.0

**Coefficient of Utilization**

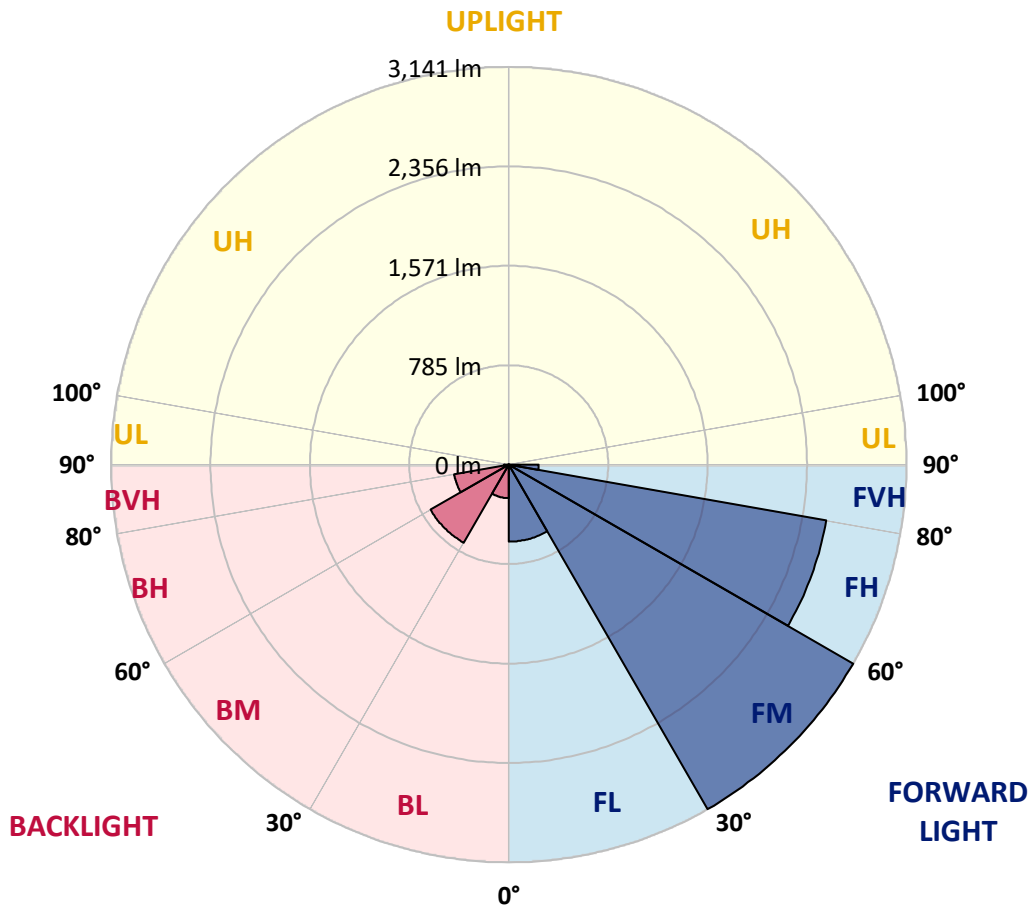


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	607.8	7.6			
FM (30°-60°)	3141.4	39.3			
FH (60°-80°)	2545.9	31.9			G2/5000
FVH (80°-90°)	235.9	3.0			G3/500
BL (0°-30°)	264.4	3.3	B1/500		
BM (30°-60°)	712.8	8.9	B1/1000		
BH (60°-80°)	438.1	5.5	B1/500		G1/500
BVH (80°-90°)	38.7	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-G3**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	1035.4	1044.3	1026.1	1005.5	920.7	1002.4	978.0	1023.4	1008.6	910.2	1090.4
5°	1279.5	1295.8	1277.9	1339.5	1343.4	1359.3	1212.4	1303.9	1272.1	1264.0	1355.0
7.5°	1397.3	1413.9	1459.3	1568.9	1654.6	1577.1	1491.4	1472.5	1447.7	1382.9	1438.0
10°	1404.6	1413.9	1474.8	1707.3	1748.7	1803.8	1748.3	1617.8	1563.9	1423.2	1381.4
12.5°	1382.6	1411.6	1490.3	1773.5	1896.8	1956.8	1970.4	1825.1	1692.9	1532.5	1511.2
15°	1531.0	1541.4	1654.2	1820.8	1905.7	1956.4	2000.6	1911.1	1869.6	1742.5	1571.6
17.5°	1743.7	1772.8	1865.0	1926.6	1983.9	1993.6	1957.2	1922.3	1856.5	2026.2	1844.4
20°	1887.8	1944.0	2057.2	2068.8	1948.3	1969.6	1964.6	1966.9	1929.3	2243.2	2143.2
22.5°	2269.1	2330.0	2345.5	2278.0	2051.0	1953.7	1973.1	2029.3	2177.3	2446.2	2559.4
25°	2614.4	2638.0	2779.4	2605.9	2243.9	2032.0	2000.2	2145.5	2386.9	2788.0	2868.6
27.5°	2794.6	2825.2	2919.3	2541.5	2268.0	1931.2	1856.8	2078.1	2324.1	2627.2	2980.9
30°	3025.1	3073.9	3202.2	2605.9	2340.4	1997.1	1832.4	2044.0	2316.0	2732.6	3218.9
32.5°	3262.6	3357.6	3452.9	2832.5	2330.3	2097.9	1988.6	2005.6	2389.6	2953.4	3465.3
35°	3577.3	3661.0	3743.1	2963.5	2533.4	2181.9	2073.4	2254.0	2578.7	3209.6	3809.0
37.5°	4250.0	4382.5	4165.9	3336.3	2754.3	2560.9	2365.2	2472.2	2778.7	3423.1	4370.5
40°	4678.5	4778.1	4568.9	3590.1	3143.3	2816.3	2784.1	2793.0	3054.2	3606.0	4748.3
42.5°	5104.4	5239.2	4906.4	3938.4	3613.7	3343.6	3177.8	3166.5	3362.6	3934.5	5178.0
45°	5422.1	5501.5	5022.2	4232.1	4118.2	3917.9	3793.5	3596.3	3767.9	4162.0	5443.8
47.5°	5573.2	5637.9	5208.6	4403.0	4445.3	4455.7	4680.1	4343.7	4122.1	4315.8	5583.3
50°	5761.9	5792.5	5318.3	4553.4	4756.0	5215.6	5269.4	4699.4	4467.0	4483.6	5665.8
52.5°	5987.5	6000.2	5478.3	4727.0	5070.3	5715.4	5632.1	5302.4	4795.2	4790.1	5821.2
55°	6271.1	6263.3	5679.0	4960.6	5294.6	6012.6	5949.5	5709.2	5152.8	5043.9	6063.0
57.5°	6523.4	6518.7	5945.2	5175.7	5483.3	6165.3	6183.9	6120.4	5396.2	5225.7	6325.0
60°	6647.0	6706.2	6248.2	5410.9	5495.3	6234.3	6241.3	6140.1	5668.2	5458.9	6394.7
62.5°	6598.9	6711.7	6397.0	5622.4	5384.9	6046.0	6075.0	6005.3	5655.8	5703.8	6238.9
65°	6380.4	6510.6	6268.0	5735.2	5317.1	5730.6	5737.9	5561.6	5478.7	5866.2	5873.9
67.5°	5970.4	6092.5	5857.3	5555.4	4852.9	4880.4	5044.7	5059.0	4938.1	5743.7	5361.3
70°	5252.8	5338.8	5191.6	5111.3	4056.2	3895.0	4073.3	4149.6	4204.6	5301.6	4745.9
72.5°	4158.5	4324.7	4348.0	4400.3	3265.7	2997.2	3129.3	3016.2	3374.6	4512.3	3877.6
75°	3076.7	3216.9	3367.7	3659.4	2574.1	2243.9	2227.7	2169.9	2504.7	3628.8	2875.9
77.5°	2174.2	2263.7	2379.6	2923.2	1942.5	1728.2	1738.3	1679.8	1808.8	2742.6	1986.6
80°	1558.5	1605.4	1659.2	1925.8	1432.9	1491.1	1492.6	1437.2	1345.0	1862.7	1326.0
82.5°	1110.5	1147.0	1208.6	1270.2	1068.3	1222.1	1221.0	1217.5	1066.4	1258.9	829.6
85°	618.4	667.3	774.2	995.1	771.5	873.8	768.4	846.3	782.7	838.1	420.0
87.5°	43.4	38.7	173.2	576.6	360.0	263.1	137.9	273.2	350.3	437.9	58.5
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°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	1127.6	1141.2	1088.1	1008.2	1029.9	1006.3	976.5	930.0	834.3	893.5	893.9
5°	1354.3	1302.7	1261.3	1222.1	1156.3	1056.7	1043.5	963.7	918.7	942.4	938.9
7.5°	1425.2	1351.9	1289.6	1149.7	1027.6	873.0	826.5	779.2	759.5	816.8	839.7
10°	1347.3	1271.0	1209.7	1039.6	956.7	860.2	732.4	666.9	628.1	643.2	652.1
12.5°	1410.1	1332.2	1139.6	1044.7	907.9	849.0	737.0	640.9	583.6	597.5	580.8
15°	1470.5	1365.5	1172.9	983.8	873.0	787.8	697.1	597.9	530.5	506.4	493.7
17.5°	1691.4	1517.0	1169.0	949.7	822.6	724.6	615.3	506.8	461.9	437.1	415.8
20°	1960.7	1717.7	1190.0	914.5	769.2	645.6	526.6	425.8	394.5	378.2	372.4
22.5°	2281.1	1975.0	1309.7	909.4	718.8	587.8	477.8	415.0	379.7	361.9	354.6
25°	2535.7	2241.2	1398.1	943.5	716.1	540.2	448.3	461.1	444.8	450.3	407.2
27.5°	2782.9	2313.7	1348.5	928.4	644.0	455.7	441.3	468.1	482.0	486.3	484.7
30°	2991.8	2619.8	1359.3	843.2	544.0	371.2	337.9	351.1	389.4	450.3	461.9
32.5°	3297.5	2766.3	1451.9	791.6	486.3	332.1	294.9	289.8	298.8	320.8	339.8
35°	3655.2	3103.4	1477.9	778.1	446.4	314.6	288.7	277.1	281.7	298.4	302.2
37.5°	4322.0	3349.1	1574.0	761.4	431.7	304.2	284.0	279.8	289.8	303.4	311.2
40°	4689.8	3790.8	1578.6	747.1	412.7	299.9	287.1	285.2	291.4	310.0	314.6
42.5°	5179.9	4042.7	1651.5	730.4	406.1	305.7	293.3	292.6	298.0	308.8	317.4
45°	5478.7	4211.2	1655.3	720.7	404.5	331.3	301.5	298.8	297.6	304.2	311.9
47.5°	5671.3	4454.2	1702.6	709.9	413.8	337.9	311.2	299.5	295.7	298.4	304.2
50°	5853.8	4648.3	1792.1	708.3	423.5	331.3	328.2	299.1	291.4	290.2	294.5
52.5°	6077.7	4967.6	1902.6	723.1	421.2	321.6	341.0	297.6	283.6	280.9	285.2
55°	6403.6	5309.7	2020.0	710.7	397.2	303.0	328.6	296.4	275.5	270.5	274.3
57.5°	6614.8	5505.8	2151.3	700.2	360.8	289.1	317.4	297.2	276.3	265.0	267.4
60°	6544.7	5400.4	2202.9	636.3	326.3	278.2	290.6	291.0	269.3	258.8	260.8
62.5°	6234.7	5018.7	2154.8	561.9	300.7	262.7	263.1	279.4	249.2	241.8	244.9
65°	5801.5	4544.1	1960.3	513.4	288.7	246.4	240.2	245.3	222.0	216.6	222.8
67.5°	5269.8	3959.0	1670.8	462.3	284.4	224.4	217.0	215.1	200.3	194.1	200.3
70°	4603.0	3315.0	1335.7	426.2	268.1	200.3	194.5	192.6	180.2	175.5	181.0
72.5°	3699.7	2588.4	1030.7	398.7	250.3	178.2	173.2	170.9	160.4	153.8	160.4
75°	2631.4	1978.1	765.7	356.5	225.1	155.8	150.0	146.9	137.2	131.0	136.8
77.5°	1870.0	1484.9	534.7	294.9	185.6	131.7	128.3	123.2	114.7	107.3	113.1
80°	1382.6	1060.9	344.9	227.5	141.8	105.4	103.5	100.0	91.8	82.9	87.2
82.5°	910.2	764.9	197.6	154.2	103.1	75.9	77.5	75.2	67.4	58.1	60.4
85°	407.6	453.0	105.0	84.9	67.0	45.7	50.0	48.4	42.6	33.7	34.5
87.5°	39.1	76.3	32.2	31.0	24.8	14.3	17.8	15.1	12.8	8.1	6.2
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°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	907.5	852.9	798.2	831.5	832.3	841.2	842.4	809.5	835.8	856.0	876.9
5°	921.8	886.2	888.1	856.0	838.5	861.0	856.3	847.4	863.3	885.4	912.1
7.5°	818.0	794.7	790.9	759.9	684.7	668.0	682.0	687.8	709.1	743.2	771.9
10°	638.6	684.7	632.8	620.8	601.0	562.2	539.8	537.1	582.4	609.9	633.9
12.5°	575.4	563.8	557.6	524.7	524.7	483.6	470.4	482.4	552.2	571.9	602.9
15°	490.2	481.6	453.0	436.7	428.9	412.3	426.2	437.9	503.0	504.5	537.1
17.5°	406.9	401.8	374.7	371.6	363.9	356.5	369.3	397.2	432.4	426.2	441.3
20°	363.9	346.4	321.6	330.5	322.4	316.6	311.2	350.7	375.5	383.6	392.5
22.5°	353.0	321.2	306.5	298.4	298.8	289.5	290.6	323.6	361.1	366.2	360.8
25°	403.4	346.8	299.1	275.5	266.6	263.5	272.4	301.5	346.8	357.7	361.9
27.5°	472.0	376.6	308.1	267.8	249.9	251.5	264.3	284.4	337.9	357.3	362.3
30°	453.0	354.2	308.4	261.9	239.9	248.0	252.6	272.0	330.9	360.0	385.2
32.5°	349.5	318.5	310.4	266.6	257.7	244.9	251.5	270.1	310.4	328.6	329.8
35°	296.0	272.4	267.0	256.1	243.7	238.3	245.7	261.9	288.3	299.5	298.0
37.5°	293.7	267.8	246.4	241.8	236.8	235.2	239.5	254.6	281.3	301.1	296.8
40°	297.6	265.4	243.7	235.6	237.5	230.6	234.8	253.4	282.5	301.1	297.2
42.5°	292.9	262.7	240.2	234.0	236.0	226.3	231.3	250.7	279.4	301.5	294.1
45°	283.6	256.5	238.3	227.8	236.8	222.4	228.6	243.7	270.1	294.1	285.6
47.5°	274.3	249.2	230.2	223.6	232.5	218.5	221.3	234.4	260.8	284.4	277.1
50°	264.3	239.9	223.6	221.6	227.8	217.8	213.5	224.4	249.5	273.2	267.0
52.5°	253.4	232.1	218.9	218.2	224.0	212.7	206.5	215.1	237.5	261.2	256.1
55°	243.0	223.6	213.1	215.1	221.6	208.5	200.7	206.1	224.7	248.0	241.0
57.5°	232.5	213.9	205.4	210.8	215.8	203.0	193.4	196.5	211.6	234.4	226.3
60°	223.2	205.4	196.8	203.4	208.1	194.9	183.7	185.6	199.2	219.7	212.3
62.5°	211.2	196.1	184.8	193.4	196.8	184.1	172.0	174.4	185.2	204.6	199.2
65°	194.1	184.4	174.0	179.8	184.4	171.3	160.0	162.7	170.9	189.1	185.2
67.5°	179.4	170.1	163.1	167.8	168.6	158.5	148.4	150.0	156.5	173.6	169.3
70°	163.1	154.2	148.8	152.3	151.9	143.4	135.6	136.0	141.4	156.9	151.1
72.5°	145.3	136.8	134.1	136.0	134.5	126.7	119.3	122.1	125.5	137.2	132.5
75°	126.3	118.6	117.0	119.0	116.6	109.3	102.7	105.4	108.5	118.2	112.4
77.5°	106.6	99.6	100.0	100.4	97.3	92.2	85.6	88.3	90.3	96.9	91.1
80°	84.9	79.4	81.0	81.0	77.5	74.0	67.8	68.6	69.7	72.1	67.8
82.5°	62.0	62.0	62.0	62.4	55.0	56.2	50.8	50.4	49.2	48.8	46.1
85°	36.8	38.4	39.1	40.3	29.8	34.9	30.2	29.1	26.7	24.4	23.6
87.5°	8.1	10.5	10.5	10.1	0.0	3.9	1.9	3.1	0.8	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°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	852.9	829.6	873.0	911.8	905.6	928.0	875.7	953.2	1035.4	1035.4
5°	905.2	885.4	896.6	919.1	936.2	1014.4	1079.5	1144.3	1277.9	1279.5
7.5°	763.4	806.0	816.0	809.5	882.7	983.4	1090.8	1275.2	1388.4	1397.3
10°	713.8	733.1	763.7	780.8	810.6	909.8	1043.1	1262.0	1382.2	1404.6
12.5°	646.7	718.4	764.9	860.2	883.9	903.6	1115.6	1305.1	1388.0	1382.6
15°	573.5	627.7	694.8	800.2	860.2	1011.3	1158.6	1443.0	1489.9	1531.0
17.5°	457.2	497.1	586.3	706.4	855.2	994.3	1264.8	1613.5	1701.1	1743.7
20°	376.3	376.6	465.8	625.0	787.0	923.0	1305.1	1754.9	1866.1	1887.8
22.5°	355.7	337.9	384.8	514.2	711.8	965.2	1386.4	1982.4	2214.5	2269.1
25°	344.5	322.8	352.2	453.7	658.0	987.3	1550.3	2295.1	2593.1	2614.4
27.5°	349.1	359.2	368.5	404.5	589.8	945.9	1512.4	2435.0	2754.3	2794.6
30°	380.5	396.8	375.5	387.9	533.6	885.8	1580.2	2662.0	2957.3	3025.1
32.5°	316.6	310.4	308.4	335.6	477.4	831.5	1722.4	2981.7	3177.4	3262.6
35°	285.6	275.9	279.8	310.8	449.9	823.8	1802.2	3246.4	3525.0	3577.3
37.5°	284.4	273.2	278.2	301.5	459.6	837.7	1930.1	3671.1	4138.0	4250.0
40°	281.7	275.5	278.2	295.7	449.5	845.5	2003.7	4027.9	4565.0	4678.5
42.5°	281.3	278.2	280.9	300.3	439.0	849.0	2105.6	4350.3	5014.9	5104.4
45°	280.2	283.3	283.3	304.2	434.4	872.2	2165.7	4508.4	5311.7	5422.1
47.5°	274.7	284.0	299.1	303.0	415.4	861.4	2250.5	4748.3	5469.4	5573.2
50°	267.8	282.9	319.3	295.3	412.3	835.0	2349.7	4938.5	5671.7	5761.9
52.5°	258.5	280.9	314.6	280.2	406.9	830.4	2488.8	5185.7	5907.6	5987.5
55°	245.3	274.0	300.3	265.0	393.7	815.7	2701.6	5492.2	6216.5	6271.1
57.5°	233.3	263.5	279.4	256.5	362.3	818.8	2849.6	5742.2	6475.7	6523.4
60°	222.4	262.3	249.5	247.6	330.1	777.3	2897.6	5739.5	6572.2	6647.0
62.5°	210.8	247.6	228.6	235.6	301.9	734.7	2795.7	5493.4	6467.9	6598.9
65°	195.7	212.3	211.2	227.1	302.6	665.3	2562.1	5059.4	6207.9	6380.4
67.5°	177.9	187.9	194.5	213.1	312.3	611.5	2186.2	4537.5	5765.4	5970.4
70°	159.6	169.7	177.1	194.9	321.2	586.7	1740.2	3804.4	5044.7	5252.8
72.5°	141.0	151.5	157.3	172.8	309.2	533.6	1288.0	2960.0	4049.2	4158.5
75°	121.7	131.7	136.4	150.7	268.5	441.3	889.3	2242.0	2965.8	3076.7
77.5°	101.9	112.8	114.3	125.9	205.0	337.5	570.0	1719.7	2100.2	2174.2
80°	81.4	92.2	92.2	98.4	144.1	232.1	341.4	1297.3	1529.4	1558.5
82.5°	58.5	70.1	69.4	69.7	99.6	143.8	197.6	972.2	1105.1	1110.5
85°	34.5	42.6	42.2	38.7	58.9	77.5	106.9	603.7	616.9	618.4
87.5°	6.6	10.1	8.9	3.9	16.3	22.9	31.0	112.0	44.6	43.4
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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