

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: McGRAW-EDISON

Report Number: P948054

Luminaire Tested: **GALN-SB3B-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

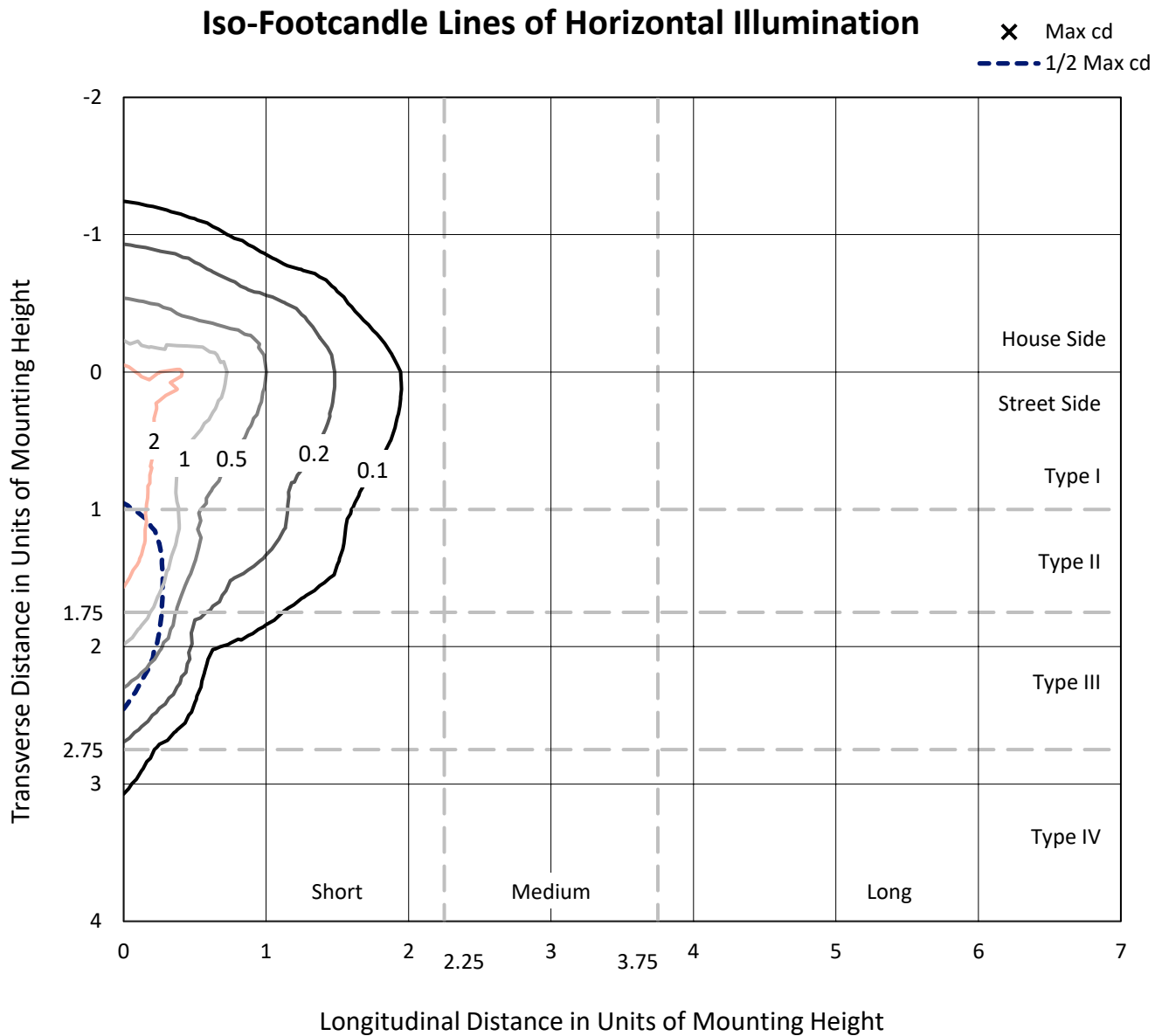
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10652 lumens
Efficiency: N/A
Efficacy: 97.5 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): 109.2
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: 24 FT



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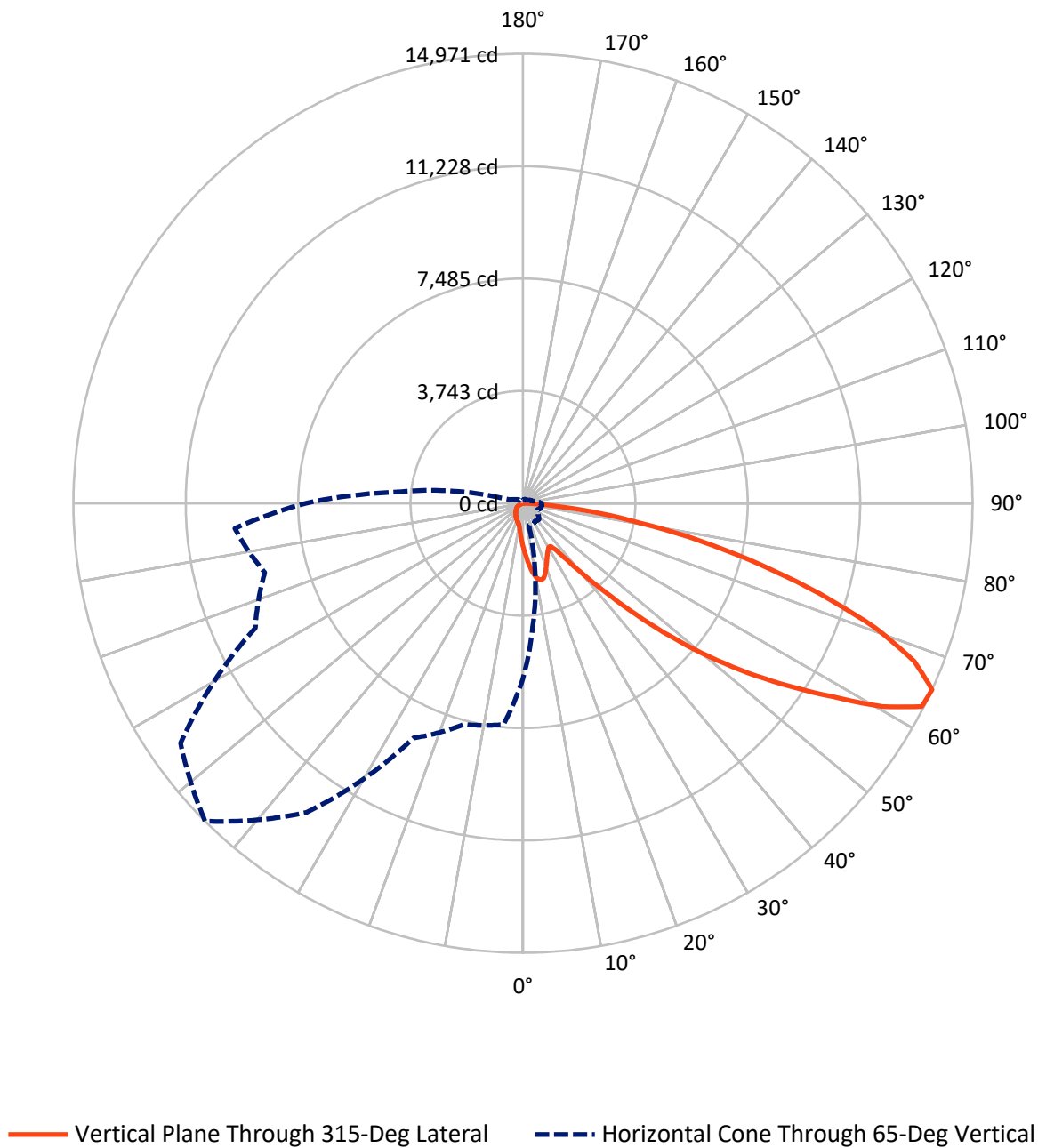


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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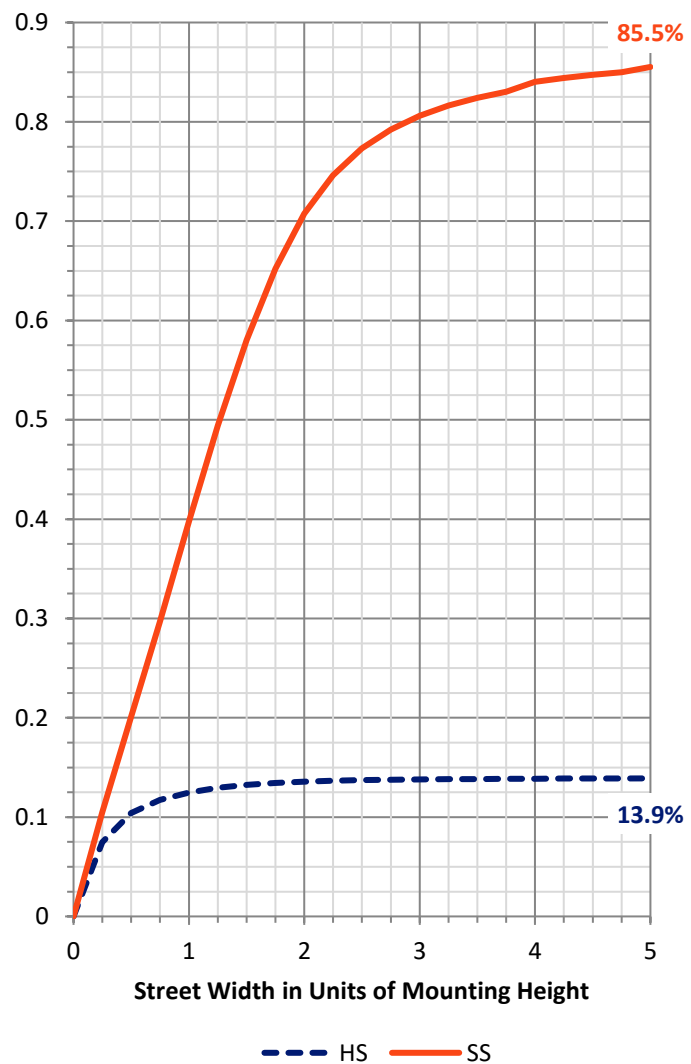
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1491.7	0.0	1491.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	9160.3	0.0	9160.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	10652.0	0.0	10652.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	1.4
10°-20°	435.3	4.1
20°-30°	641.3	6.0
30°-40°	823.9	7.7
40°-50°	1332.5	12.5
50°-60°	2336.6	21.9
60°-70°	2923.8	27.4
70°-80°	1708.5	16.0
80°-90°	304.8	2.9
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°	10652.0	100.0
0°-180°	10652.0	100.0

Coefficient of Utilization



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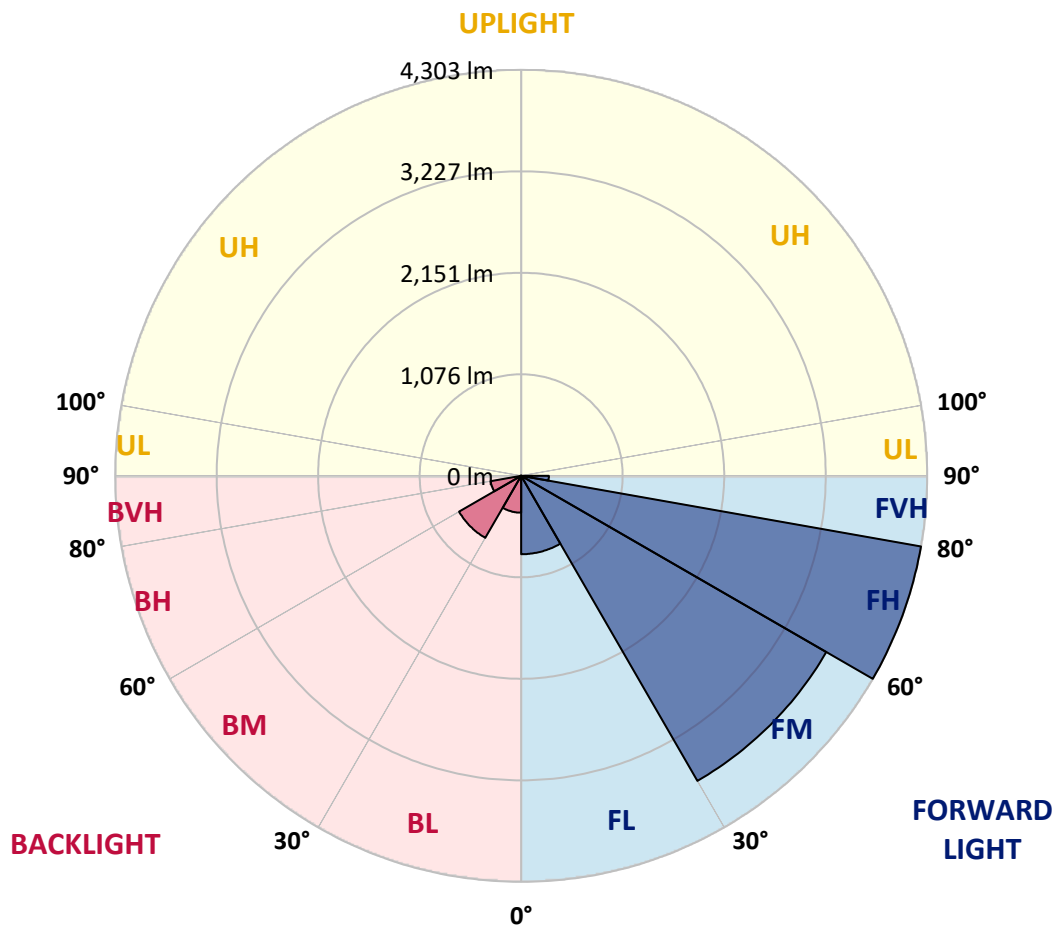
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	830.8	7.8			
FM	(30°-60°)	3733.4	35.0			
FH	(60°-80°)	4302.9	40.4			G2/5000
FVH	(80°-90°)	293.1	2.8			G3/500
BL	(0°-30°)	391.0	3.7	B1/500		
BM	(30°-60°)	759.6	7.1	B1/1000		
BH	(60°-80°)	329.4	3.1	B1/500		G1/500
BVH	(80°-90°)	11.7	0.1			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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0
2.5°	1666.5	1637.9	1621.0	1579.2	1537.3	1503.6	1458.1	1428.0	1392.0	1357.6	1326.7
5°	1857.3	1811.0	1755.3	1679.0	1609.2	1538.1	1469.1	1400.8	1328.9	1262.9	1222.5
7.5°	2018.7	1951.9	1853.6	1752.3	1663.6	1577.7	1497.0	1406.7	1319.4	1215.9	1160.9
10°	2142.0	2056.9	1927.7	1794.9	1692.9	1606.3	1527.8	1451.5	1363.4	1238.7	1169.7
12.5°	2216.8	2125.9	1972.5	1816.9	1700.2	1603.4	1542.5	1508.7	1474.2	1350.2	1269.5
15°	2271.9	2173.5	2004.0	1832.3	1683.4	1564.5	1519.7	1553.5	1593.1	1513.9	1420.7
17.5°	2329.1	2225.7	2045.1	1838.9	1637.9	1488.9	1469.8	1557.1	1648.9	1645.2	1552.7
20°	2383.4	2280.7	2081.1	1834.5	1564.5	1397.2	1414.1	1525.6	1632.0	1676.8	1626.9
22.5°	2445.8	2337.2	2115.6	1817.7	1469.1	1311.3	1364.2	1475.7	1568.9	1621.7	1606.3
25°	2522.1	2408.4	2164.0	1792.7	1366.4	1240.1	1313.5	1417.7	1493.3	1530.0	1529.3
27.5°	2604.3	2493.5	2228.6	1779.5	1283.4	1189.5	1256.3	1348.7	1416.3	1441.9	1441.9
30°	2706.3	2592.6	2304.9	1764.8	1229.1	1160.2	1196.8	1268.8	1334.8	1360.5	1360.5
32.5°	2817.8	2702.6	2378.3	1729.6	1196.1	1138.1	1138.9	1184.4	1244.5	1275.4	1279.8
35°	2957.3	2834.7	2456.8	1652.5	1169.7	1112.5	1082.4	1104.4	1154.3	1191.0	1200.5
37.5°	3156.1	3007.9	2552.9	1542.5	1130.8	1072.8	1022.9	1028.1	1066.2	1106.6	1121.3
40°	3430.6	3240.5	2665.9	1428.0	1075.0	1017.1	957.6	955.4	983.3	1022.9	1039.1
42.5°	3801.9	3548.0	2801.7	1318.7	1021.5	949.6	888.6	885.0	907.0	941.5	958.4
45°	4292.1	3941.3	2968.3	1224.7	979.6	883.5	823.3	821.9	840.2	870.3	887.9
47.5°	4919.5	4488.0	3134.8	1160.9	957.6	831.4	769.8	772.7	788.8	816.0	828.5
50°	5731.8	5200.5	3185.5	1128.6	957.6	803.5	722.1	736.7	750.0	770.5	777.8
52.5°	6705.6	5884.4	3018.2	1099.2	963.5	807.2	681.7	713.3	722.8	740.4	743.4
55°	7608.2	6219.8	2594.8	1058.9	965.0	829.9	647.2	694.2	711.8	718.4	717.7
57.5°	8132.1	6104.6	2098.0	990.6	959.1	845.4	625.2	670.7	704.5	708.9	702.3
60°	8032.3	5700.2	1544.7	938.5	915.8	839.5	618.6	634.7	688.3	694.9	686.1
62.5°	7263.3	5022.2	1072.1	898.2	820.4	813.8	616.4	578.2	653.1	669.2	656.8
65°	5838.2	3953.8	757.3	773.4	719.1	758.0	604.7	519.5	610.5	632.5	613.5
67.5°	4235.6	2675.5	546.7	626.7	651.6	667.8	578.2	477.0	562.1	591.5	566.5
70°	2718.0	1444.9	383.8	413.9	548.9	567.2	532.7	438.8	512.9	546.7	519.5
72.5°	1932.1	853.4	275.9	289.9	441.0	472.6	468.9	396.3	455.7	496.8	464.5
75°	1333.3	470.4	186.4	206.9	319.9	383.8	361.8	340.5	386.0	427.8	396.3
77.5°	835.8	210.6	111.5	143.8	209.9	301.6	248.0	263.4	300.9	339.8	306.7
80°	465.2	81.5	62.4	95.4	114.5	219.4	137.2	169.5	221.6	249.5	223.1
82.5°	101.3	10.3	27.9	41.1	44.8	127.7	72.6	98.3	139.4	137.2	118.9
85°	0.0	0.0	5.1	5.9	2.9	55.0	26.4	32.3	45.5	42.6	32.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0
2.5°	1320.9	1284.9	1258.5	1245.3	1234.3	1244.5	1250.4	1250.4	1275.4	1290.0	1295.9
5°	1196.8	1132.3	1083.1	1050.1	1030.3	1036.9	1044.2	1052.3	1083.8	1105.1	1119.1
7.5°	1111.0	1011.9	937.1	890.8	866.6	870.3	875.4	882.0	912.9	934.1	952.5
10°	1094.8	952.5	846.8	785.9	756.6	751.4	748.5	746.3	764.6	780.8	795.5
12.5°	1160.9	955.4	807.9	733.8	697.9	682.4	664.8	650.9	653.8	664.1	682.4
15°	1279.0	992.8	795.5	706.7	661.9	636.2	615.7	598.8	595.1	598.8	601.7
17.5°	1414.1	1043.5	794.0	683.2	627.4	601.0	584.1	568.7	563.6	564.3	568.0
20°	1503.6	1083.8	789.6	656.8	594.4	570.9	556.2	540.8	535.7	537.2	537.9
22.5°	1512.4	1105.1	783.0	627.4	561.4	541.6	526.9	512.9	512.2	512.2	516.6
25°	1464.7	1105.1	769.0	601.0	529.8	512.2	499.0	482.1	485.0	486.5	492.4
27.5°	1390.6	1078.7	742.6	579.7	502.7	484.3	471.1	455.7	459.4	461.6	468.2
30°	1317.2	1044.9	711.1	555.5	477.0	455.7	446.2	432.9	434.4	437.4	444.7
32.5°	1248.9	1009.0	673.6	535.7	451.3	430.0	422.7	408.0	410.2	413.1	421.2
35°	1181.4	969.4	629.6	512.2	427.8	406.5	400.7	383.8	385.3	389.7	398.5
37.5°	1108.8	927.5	593.7	488.7	405.1	383.0	377.2	359.6	361.0	366.2	376.4
40°	1032.5	886.4	558.4	463.8	380.8	358.8	353.7	334.6	336.1	342.0	353.0
42.5°	955.4	841.7	531.3	431.5	355.9	332.4	327.3	309.7	311.9	318.5	329.5
45°	884.2	788.1	513.7	395.5	332.4	306.0	300.9	284.7	289.1	296.5	307.5
47.5°	823.3	733.1	506.3	365.4	307.5	278.8	274.4	261.2	268.6	276.6	285.5
50°	771.2	680.2	496.8	334.6	284.0	255.4	251.0	242.2	251.7	259.8	267.8
52.5°	733.8	620.1	476.2	306.7	263.4	235.6	234.1	229.7	238.5	245.8	253.2
55°	701.5	557.7	443.2	282.5	245.1	218.7	220.1	217.9	225.3	231.2	237.8
57.5°	672.2	503.4	401.4	263.4	225.3	204.0	208.4	205.5	209.1	212.8	220.9
60°	636.9	448.4	351.5	242.2	201.8	189.3	194.5	186.4	185.7	187.1	189.3
62.5°	584.8	374.2	299.4	215.7	181.3	173.2	175.4	160.0	148.2	148.2	150.4
65°	512.2	300.9	251.0	186.4	157.8	151.2	149.7	127.7	111.5	110.1	116.7
67.5°	427.8	247.3	208.4	157.0	131.4	126.9	128.4	112.3	96.1	94.7	102.0
70°	348.6	204.7	168.0	125.5	101.3	105.7	112.3	96.1	80.7	78.5	85.1
72.5°	283.3	162.9	131.4	96.1	74.8	87.3	95.4	78.5	63.8	62.4	68.2
75°	218.7	119.6	93.9	65.3	54.3	67.5	74.8	57.2	45.5	43.3	48.4
77.5°	146.0	74.1	52.8	41.1	32.3	46.2	49.9	30.1	26.4	25.7	29.4
80°	88.8	34.5	22.7	19.8	11.0	16.9	19.8	12.5	13.9	14.7	17.6
82.5°	44.8	9.5	3.7	0.7	0.0	0.0	5.9	2.9	5.9	7.3	11.0
85°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.7	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0
2.5°	1337.0	1367.8	1397.2	1444.1	1492.6	1540.3	1588.7	1635.7	1652.5	1665.0	1692.9
5°	1182.9	1240.9	1308.4	1401.6	1501.4	1604.1	1708.3	1803.7	1847.0	1876.4	1942.4
7.5°	1023.7	1099.2	1196.1	1336.3	1492.6	1656.2	1819.9	1970.3	2040.0	2096.5	2197.0
10°	865.9	948.1	1070.6	1230.6	1441.9	1676.8	1902.8	2109.7	2200.0	2271.1	2407.6
12.5°	727.2	804.3	932.7	1109.5	1362.7	1660.6	1950.5	2199.2	2305.6	2385.6	2535.3
15°	629.6	683.9	797.7	988.4	1268.8	1608.5	1953.4	2241.8	2358.5	2442.1	2572.0
17.5°	575.3	593.7	667.8	865.2	1164.6	1540.3	1926.3	2256.5	2381.2	2459.0	2549.3
20°	546.0	548.9	569.4	705.2	1031.0	1476.4	1900.6	2271.1	2402.5	2467.8	2495.0
22.5°	522.5	522.5	527.6	576.8	858.6	1400.1	1892.5	2296.8	2431.9	2472.2	2416.4
25°	501.2	501.2	502.7	515.9	680.2	1283.4	1887.4	2336.5	2472.2	2483.2	2329.9
27.5°	479.2	479.9	479.9	487.3	548.2	1124.9	1865.3	2387.8	2520.6	2497.9	2246.9
30°	457.2	458.6	458.6	463.8	485.0	939.3	1822.1	2449.5	2583.8	2517.0	2164.7
32.5°	435.2	436.6	436.6	441.0	456.4	750.0	1767.8	2506.0	2647.6	2525.0	2088.4
35°	412.4	414.6	413.1	419.0	435.2	596.6	1698.8	2562.5	2716.6	2550.7	2051.0
37.5°	389.7	391.1	390.4	396.3	414.6	515.1	1618.8	2605.0	2810.5	2608.0	2095.8
40°	366.9	366.2	366.2	372.8	392.6	491.7	1518.3	2672.5	2945.5	2708.5	2291.0
42.5°	343.4	343.4	342.0	349.3	373.5	474.0	1422.1	2793.6	3142.2	2868.5	2637.3
45°	322.1	321.4	318.5	325.1	355.2	443.2	1388.4	3019.6	3432.8	3127.5	3056.3
47.5°	301.6	300.9	293.5	299.4	333.2	415.3	1514.6	3389.5	3835.6	3508.4	3448.9
50°	283.3	284.0	270.0	275.2	311.1	394.1	1788.3	3869.4	4370.6	4021.3	3821.0
52.5°	266.4	266.4	248.0	251.0	284.0	375.0	2048.8	4389.7	5076.5	4736.8	4254.6
55°	249.5	248.0	227.5	228.9	256.8	347.8	2087.7	4897.5	6039.3	5813.3	4847.6
57.5°	230.4	227.5	208.4	208.4	231.9	328.0	1809.6	5287.8	7233.9	7395.4	5702.4
60°	206.9	204.7	192.3	188.6	212.1	345.6	1276.8	5333.3	8004.4	9499.2	7339.6
62.5°	176.8	179.8	173.2	168.0	193.0	358.8	756.6	4967.2	7818.0	10168.4	9300.3
65°	139.4	151.2	149.7	146.0	212.1	302.3	446.9	4264.2	7246.4	9628.3	8900.4
67.5°	118.9	126.9	124.7	124.7	222.3	229.7	281.0	3331.5	6459.7	8987.7	7950.1
70°	101.3	109.3	101.3	101.3	168.0	139.4	194.5	2326.2	5610.7	8278.9	7326.4
72.5°	83.7	91.7	82.9	77.1	134.3	104.2	142.4	1453.7	4805.0	7540.6	6899.3
75°	63.8	73.4	66.8	59.4	88.8	77.8	107.9	844.6	3980.9	6451.7	6291.0
77.5°	40.4	52.8	49.9	41.8	65.3	56.5	77.8	502.7	3071.7	5041.3	5411.1
80°	24.9	27.2	27.9	26.4	37.4	38.2	52.8	286.2	2102.4	3513.5	4227.5
82.5°	16.1	16.1	12.5	13.9	18.3	22.0	30.1	107.9	1235.7	2139.1	2942.6
85°	11.7	10.3	6.6	6.6	8.8	11.0	11.7	33.0	501.2	844.6	1150.6
87.5°	5.9	5.1	2.2	2.9	4.4	3.7	2.9	1.5	126.2	270.0	189.3
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0
2.5°	1707.6	1730.3	1731.8	1731.8	1712.0	1711.2	1670.9	1666.5
5°	2010.6	2025.3	2029.0	2021.7	1982.0	1952.7	1874.2	1857.3
7.5°	2288.0	2317.4	2317.4	2299.8	2235.2	2175.0	2061.3	2018.7
10°	2509.6	2543.4	2536.1	2500.1	2418.6	2335.7	2197.8	2142.0
12.5°	2617.5	2652.0	2632.9	2591.8	2512.6	2425.2	2280.0	2216.8
15°	2615.3	2605.8	2586.0	2580.8	2542.7	2476.6	2340.9	2271.9
17.5°	2522.1	2441.4	2426.0	2477.3	2525.8	2509.6	2393.7	2329.1
20°	2374.6	2233.7	2219.8	2318.1	2456.1	2526.5	2442.9	2383.4
22.5°	2219.0	2067.1	2034.9	2143.5	2351.1	2531.6	2505.2	2445.8
25°	2071.5	1918.9	1886.6	1987.9	2234.5	2522.8	2572.7	2522.1
27.5°	1948.3	1800.8	1770.7	1872.0	2122.2	2497.9	2640.3	2604.3
30°	1852.9	1716.4	1694.4	1792.0	2025.3	2467.1	2726.1	2706.3
32.5°	1797.1	1697.3	1705.4	1785.4	1973.2	2433.3	2808.3	2817.8
35°	1852.1	1856.5	1927.0	1960.0	2021.7	2428.2	2919.8	2957.3
37.5°	2125.9	2278.5	2424.5	2397.4	2258.7	2487.6	3086.4	3156.1
40°	2591.8	2905.2	3142.2	3038.7	2689.4	2669.6	3326.4	3430.6
42.5°	3161.3	3692.5	4082.9	3805.5	3244.9	2988.1	3669.1	3801.9
45°	3762.3	4663.4	5278.3	4701.5	3837.1	3434.2	4187.9	4292.1
47.5°	4395.5	5843.3	6638.8	5695.1	4386.0	3942.0	4895.3	4919.5
50°	5088.2	7137.1	8025.7	6688.0	4915.8	4523.9	5759.7	5731.8
52.5°	5747.9	8467.5	9383.2	7685.2	5381.0	5246.0	6762.8	6705.6
55°	6377.6	9797.1	10748.9	8643.6	5819.9	6200.0	7954.5	7608.2
57.5°	7107.7	10992.5	12156.3	9606.3	6433.3	7438.6	9287.1	8132.1
60°	8187.1	12350.8	13748.0	10925.7	7600.1	8740.4	9764.8	8032.3
62.5°	9565.2	13599.7	14905.2	12218.7	8772.0	8985.5	9061.1	7263.3
65°	9833.1	13916.0	14970.5	12564.3	8620.8	7622.1	7397.6	5838.2
67.5°	9122.7	13344.4	14057.6	11920.8	7625.8	5890.3	5551.3	4235.6
70°	8325.8	12254.7	12466.7	10826.7	6707.0	4332.4	3749.0	2718.0
72.5°	7509.1	10801.0	10362.2	9402.3	5894.7	3154.7	2704.1	1932.1
75°	6539.0	8889.4	8162.2	7812.2	4880.6	2475.9	1956.3	1333.3
77.5°	5236.5	6257.2	6062.8	6055.4	3667.6	1808.8	1305.5	835.8
80°	3694.0	4060.9	3961.8	4560.6	2460.5	1312.1	785.9	465.2
82.5°	1788.3	2245.5	2304.9	2715.8	1196.8	772.0	181.3	101.3
85°	700.1	1083.1	913.6	1031.0	336.1	215.0	4.4	0.0
87.5°	78.5	125.5	115.2	91.0	41.1	8.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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