

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: P948411

Luminaire Tested: **GALN-SB3C-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948411
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-SB3C-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

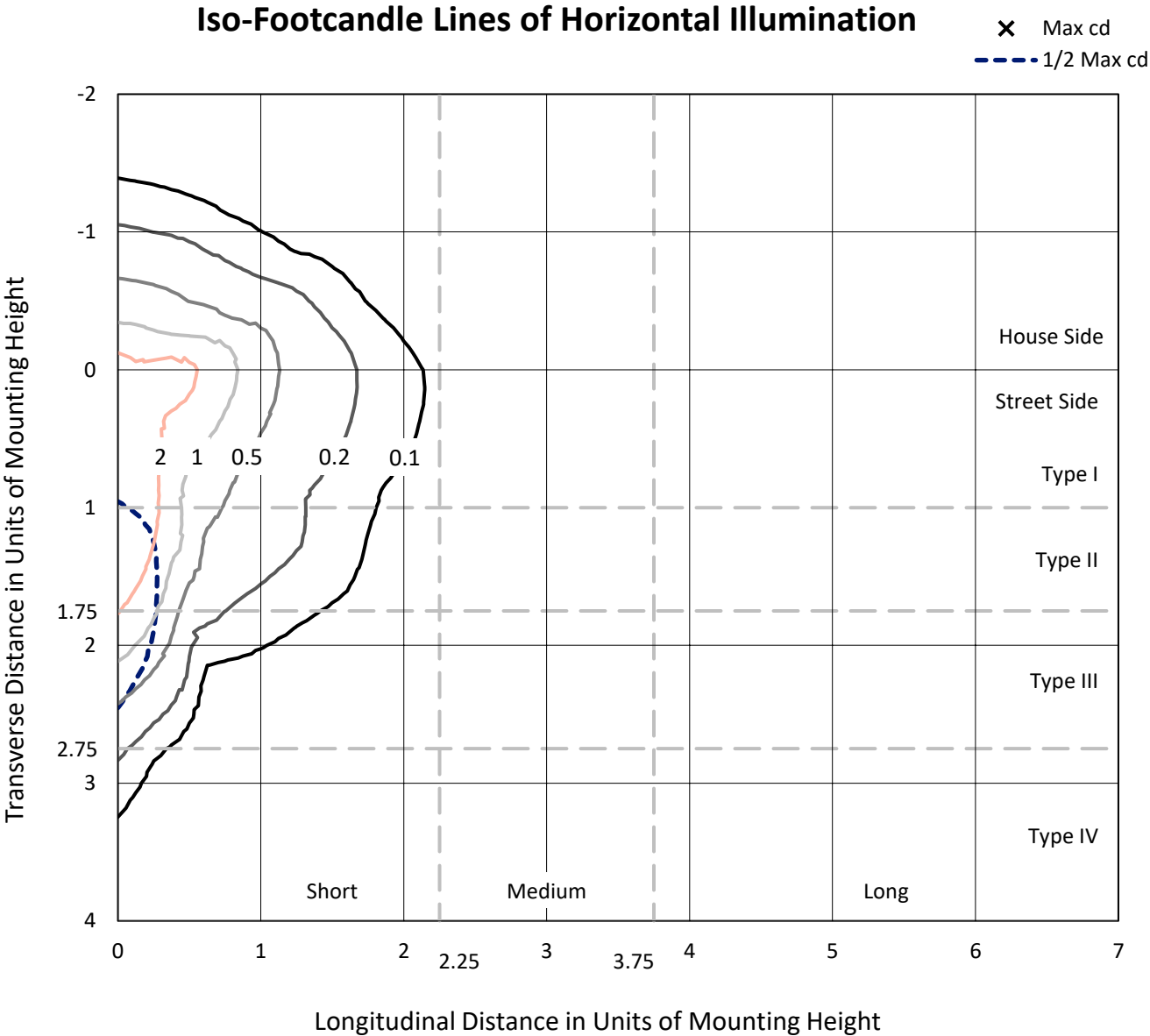
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14166 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 149.1
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

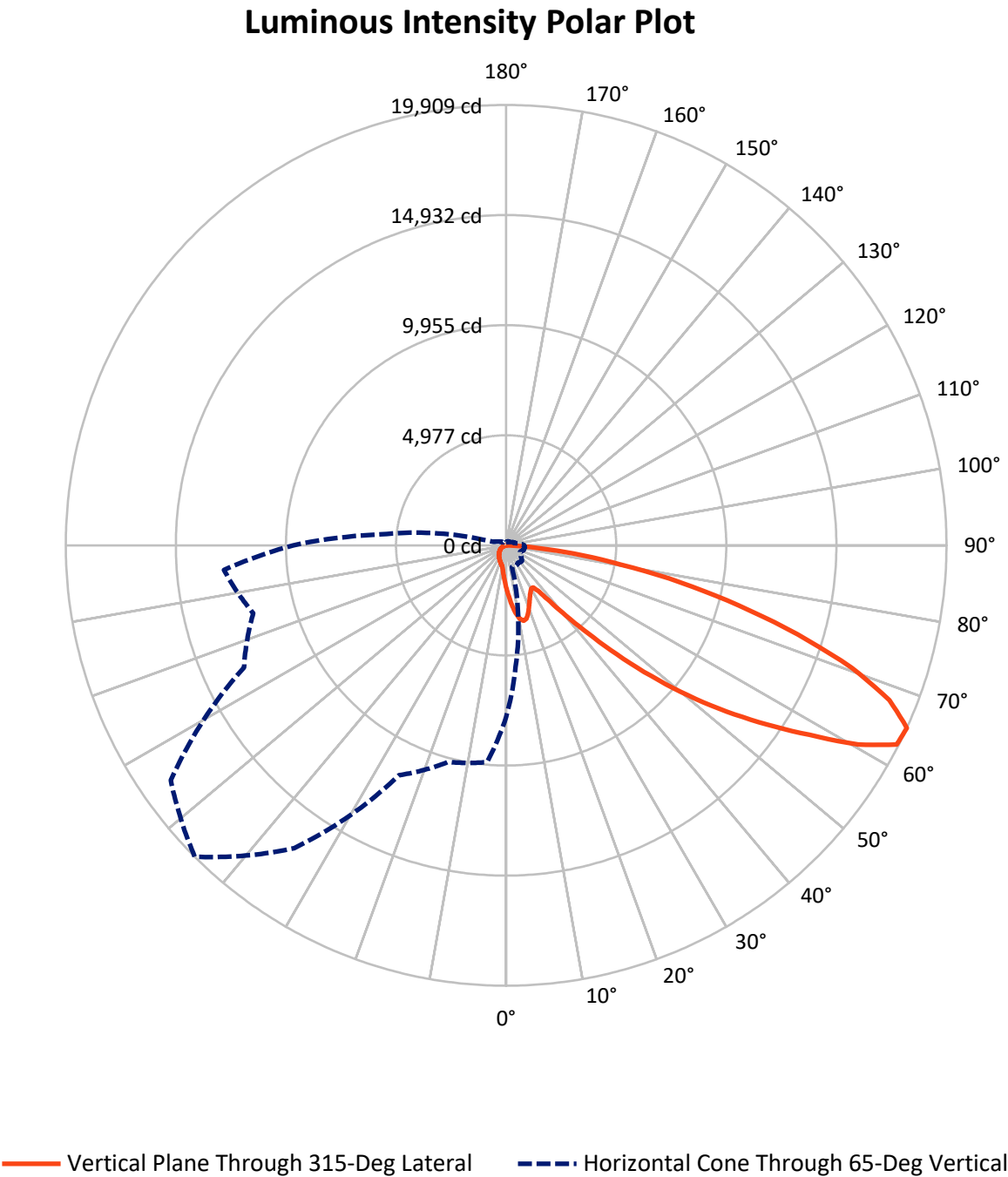


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Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1983.8	0.0	1983.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	12182.2	0.0	12182.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	14166.0	0.0	14166.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	1.4
10°-20°	578.9	4.1
20°-30°	852.9	6.0
30°-40°	1095.7	7.7
40°-50°	1772.1	12.5
50°-60°	3107.5	21.9
60°-70°	3888.3	27.4
70°-80°	2272.1	16.0
80°-90°	405.4	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°	14166.0	100.0
0°-180°	14166.0	100.0

Coefficient of Utilization



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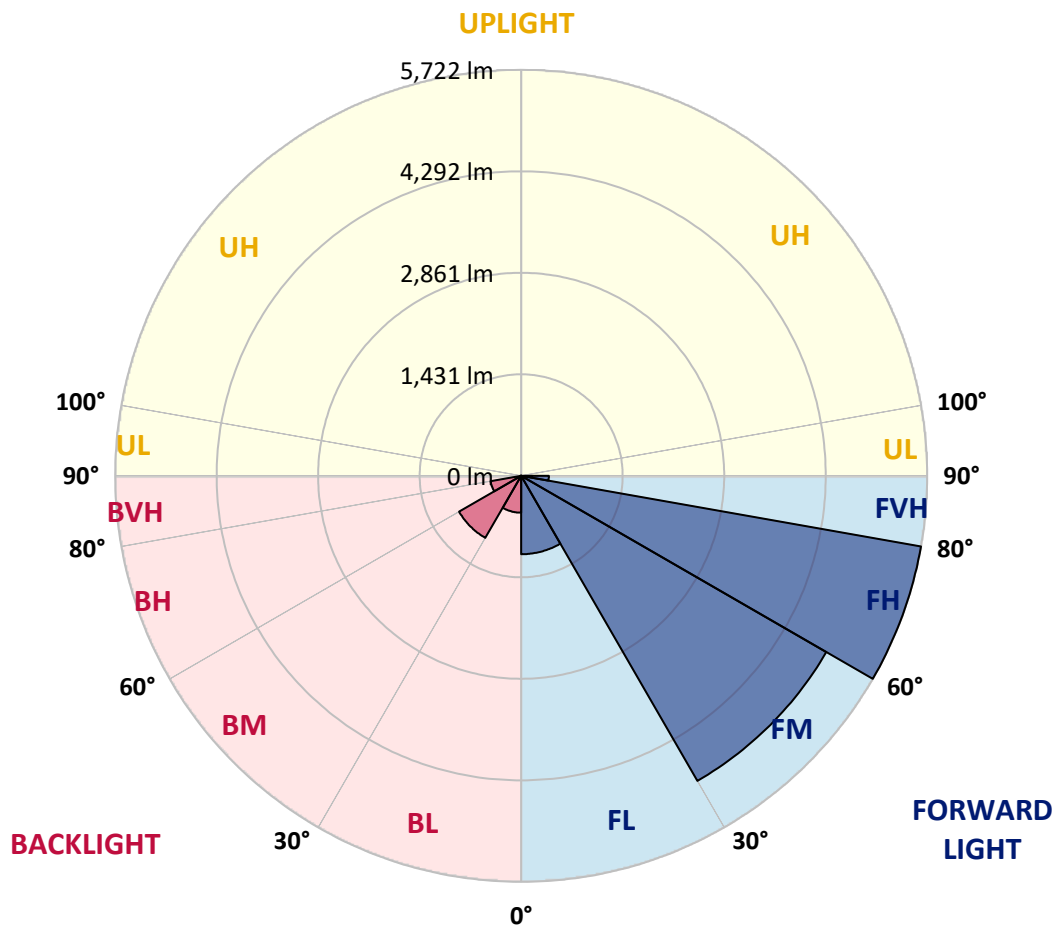
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1104.9	7.8			
FM	(30°-60°)	4965.0	35.0			
FH	(60°-80°)	5722.4	40.4			G3/7500
FVH	(80°-90°)	389.8	2.8			G3/500
BL	(0°-30°)	520.0	3.7	B2/1000		
BM	(30°-60°)	1010.2	7.1	B2/2500		
BH	(60°-80°)	438.0	3.1	B1/500		G1/500
BVH	(80°-90°)	15.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5
2.5°	2216.2	2178.2	2155.7	2100.1	2044.5	1999.6	1939.1	1899.1	1851.3	1805.4	1764.4
5°	2470.0	2408.5	2334.3	2232.8	2140.1	2045.5	1953.7	1863.0	1767.3	1679.5	1625.8
7.5°	2684.7	2595.9	2465.1	2330.4	2212.3	2098.2	1990.8	1870.8	1754.6	1617.0	1543.9
10°	2848.6	2735.4	2563.7	2387.0	2251.4	2136.2	2031.8	1930.3	1813.2	1647.3	1555.6
12.5°	2948.2	2827.2	2623.2	2416.3	2261.1	2132.3	2051.3	2006.4	1960.6	1795.6	1688.3
15°	3021.4	2890.6	2665.2	2436.8	2238.7	2080.6	2021.1	2066.0	2118.7	2013.3	1889.3
17.5°	3097.5	2959.9	2719.8	2445.6	2178.2	1980.1	1954.7	2070.8	2192.8	2187.9	2065.0
20°	3169.7	3033.1	2767.6	2439.7	2080.6	1858.1	1880.5	2028.9	2170.4	2229.9	2163.5
22.5°	3252.6	3108.2	2813.5	2417.3	1953.7	1743.9	1814.2	1962.5	2086.5	2156.7	2136.2
25°	3354.1	3202.9	2877.9	2384.1	1817.1	1649.3	1746.8	1885.4	1985.9	2034.7	2033.8
27.5°	3463.4	3316.1	2963.8	2366.5	1706.8	1581.9	1670.7	1793.7	1883.5	1917.6	1917.6
30°	3599.1	3447.8	3065.3	2347.0	1634.6	1542.9	1591.7	1687.3	1775.1	1809.3	1809.3
32.5°	3747.4	3594.2	3162.9	2300.2	1590.7	1513.6	1514.6	1575.1	1655.1	1696.1	1702.0
35°	3932.8	3769.9	3267.3	2197.7	1555.6	1479.4	1439.4	1468.7	1535.1	1583.9	1596.6
37.5°	4197.3	4000.2	3395.1	2051.3	1503.8	1426.8	1360.4	1367.2	1418.0	1471.6	1491.2
40°	4562.3	4309.5	3545.4	1899.1	1429.7	1352.6	1273.5	1270.6	1307.7	1360.4	1381.9
42.5°	5056.1	4718.4	3725.9	1753.7	1358.4	1262.8	1181.8	1176.9	1206.2	1252.1	1274.5
45°	5708.0	5241.5	3947.5	1628.8	1302.8	1175.0	1094.9	1093.0	1117.4	1157.4	1180.8
47.5°	6542.4	5968.5	4169.0	1543.9	1273.5	1105.7	1023.7	1027.6	1049.1	1085.2	1101.8
50°	7622.7	6916.1	4236.3	1500.9	1273.5	1068.6	960.3	979.8	997.4	1024.7	1034.4
52.5°	8917.7	7825.7	4013.8	1461.9	1281.3	1073.5	906.6	948.6	961.3	984.7	988.6
55°	10118.0	8271.6	3450.7	1408.2	1283.3	1103.7	860.7	923.2	946.6	955.4	954.4
57.5°	10814.8	8118.4	2790.1	1317.5	1275.5	1124.2	831.5	892.0	936.9	942.7	933.9
60°	10682.1	7580.7	2054.2	1248.2	1217.9	1116.4	822.7	844.1	915.4	924.2	912.5
62.5°	9659.4	6679.0	1425.8	1194.5	1091.0	1082.3	819.7	769.0	868.5	890.0	873.4
65°	7764.2	5258.1	1007.1	1028.6	956.4	1008.1	804.1	690.9	811.9	841.2	815.8
67.5°	5632.8	3558.1	727.0	833.4	866.6	888.1	769.0	634.3	747.5	786.6	753.4
70°	3614.7	1921.5	510.4	550.4	730.0	754.4	708.5	583.6	682.1	727.0	690.9
72.5°	2569.5	1135.0	366.9	385.5	586.5	628.5	623.6	527.0	606.0	660.7	617.7
75°	1773.2	625.5	247.9	275.2	425.5	510.4	481.1	452.8	513.3	568.9	527.0
77.5°	1111.5	280.1	148.3	191.3	279.1	401.1	329.9	350.3	400.1	451.8	407.9
80°	618.7	108.3	83.0	126.9	152.2	291.8	182.5	225.4	294.7	331.8	296.7
82.5°	134.7	13.7	37.1	54.6	59.5	169.8	96.6	130.8	185.4	182.5	158.1
85°	0.0	0.0	6.8	7.8	3.9	73.2	35.1	42.9	60.5	56.6	42.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5
2.5°	1756.6	1708.8	1673.7	1656.1	1641.4	1655.1	1662.9	1662.9	1696.1	1715.6	1723.4
5°	1591.7	1505.8	1440.4	1396.5	1370.1	1378.9	1388.7	1399.4	1441.4	1469.7	1488.2
7.5°	1477.5	1345.8	1246.2	1184.7	1152.5	1157.4	1164.2	1173.0	1214.0	1242.3	1266.7
10°	1456.0	1266.7	1126.2	1045.2	1006.1	999.3	995.4	992.5	1016.9	1038.3	1057.9
12.5°	1543.9	1270.6	1074.5	975.9	928.1	907.6	884.2	865.6	869.5	883.2	907.6
15°	1701.0	1320.4	1057.9	939.8	880.3	846.1	818.8	796.3	791.4	796.3	800.2
17.5°	1880.5	1387.7	1055.9	908.6	834.4	799.3	776.8	756.3	749.5	750.5	755.3
20°	1999.6	1441.4	1050.1	873.4	790.5	759.2	739.7	719.2	712.4	714.4	715.3
22.5°	2011.3	1469.7	1041.3	834.4	746.6	720.2	700.7	682.1	681.2	681.2	687.0
25°	1947.9	1469.7	1022.7	799.3	704.6	681.2	663.6	641.2	645.1	647.0	654.8
27.5°	1849.3	1434.6	987.6	771.0	668.5	644.1	626.5	606.0	610.9	613.8	622.6
30°	1751.7	1389.7	945.6	738.7	634.3	606.0	593.3	575.8	577.7	581.6	591.4
32.5°	1661.0	1341.8	895.9	712.4	600.2	571.9	562.1	542.6	545.5	549.4	560.2
35°	1571.2	1289.1	837.3	681.2	568.9	540.6	532.8	510.4	512.3	518.2	529.9
37.5°	1474.6	1233.5	789.5	649.9	538.7	509.4	501.6	478.2	480.1	487.0	500.6
40°	1373.1	1178.9	742.7	616.8	506.5	477.2	470.4	445.0	447.0	454.8	469.4
42.5°	1270.6	1119.3	706.5	573.8	473.3	442.1	435.2	411.8	414.8	423.5	438.2
45°	1175.9	1048.1	683.1	526.0	442.1	406.9	400.1	378.6	384.5	394.3	408.9
47.5°	1094.9	974.9	673.4	486.0	408.9	370.8	365.0	347.4	357.2	367.9	379.6
50°	1025.7	904.6	660.7	445.0	377.7	339.6	333.8	322.0	334.7	345.5	356.2
52.5°	975.9	824.6	633.4	407.9	350.3	313.3	311.3	305.5	317.2	326.9	336.7
55°	933.0	741.7	589.4	375.7	325.9	290.8	292.8	289.8	299.6	307.4	316.2
57.5°	893.9	669.5	533.8	350.3	299.6	271.3	277.2	273.2	278.1	283.0	293.7
60°	847.1	596.3	467.5	322.0	268.4	251.8	258.6	247.9	246.9	248.9	251.8
62.5°	777.8	497.7	398.2	286.9	241.0	230.3	233.2	212.7	197.1	197.1	200.1
65°	681.2	400.1	333.8	247.9	209.8	201.0	199.1	169.8	148.3	146.4	155.2
67.5°	568.9	328.9	277.2	208.8	174.7	168.8	170.8	149.3	127.8	125.9	135.6
70°	463.5	272.3	223.5	166.9	134.7	140.5	149.3	127.8	107.3	104.4	113.2
72.5°	376.7	216.6	174.7	127.8	99.5	116.1	126.9	104.4	84.9	83.0	90.8
75°	290.8	159.1	124.9	86.9	72.2	89.8	99.5	76.1	60.5	57.6	64.4
77.5°	194.2	98.6	70.3	54.6	42.9	61.5	66.4	40.0	35.1	34.2	39.0
80°	118.1	45.9	30.3	26.3	14.6	22.4	26.3	16.6	18.5	19.5	23.4
82.5°	59.5	12.7	4.9	1.0	0.0	0.0	7.8	3.9	7.8	9.8	14.6
85°	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.9	8.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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°	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5
2.5°	1778.1	1819.1	1858.1	1920.6	1985.0	2048.4	2112.8	2175.3	2197.7	2214.3	2251.4
5°	1573.1	1650.2	1740.0	1863.9	1996.7	2133.3	2271.9	2398.7	2456.3	2495.3	2583.2
7.5°	1361.4	1461.9	1590.7	1777.1	1985.0	2202.6	2420.2	2620.3	2713.0	2788.1	2921.8
10°	1151.5	1260.8	1423.8	1636.6	1917.6	2229.9	2530.5	2805.7	2925.7	3020.4	3201.9
12.5°	967.1	1069.6	1240.4	1475.5	1812.2	2208.4	2593.9	2924.7	3066.2	3172.6	3371.7
15°	837.3	909.5	1060.8	1314.5	1687.3	2139.1	2597.8	2981.3	3136.5	3247.8	3420.5
17.5°	765.1	789.5	888.1	1150.6	1548.7	2048.4	2561.7	3000.9	3166.8	3270.2	3390.2
20°	726.1	730.0	757.3	937.8	1371.1	1963.5	2527.6	3020.4	3195.1	3281.9	3318.0
22.5°	694.8	694.8	701.7	767.0	1141.8	1862.0	2516.8	3054.5	3234.1	3287.8	3213.6
25°	666.5	666.5	668.5	686.1	904.6	1706.8	2510.0	3107.2	3287.8	3302.4	3098.4
27.5°	637.3	638.2	638.2	648.0	729.0	1496.0	2480.7	3175.5	3352.2	3321.9	2988.2
30°	608.0	609.9	609.9	616.8	645.1	1249.1	2423.1	3257.5	3436.1	3347.3	2878.9
32.5°	578.7	580.7	580.7	586.5	607.0	997.4	2350.9	3332.7	3521.0	3358.0	2777.4
35°	548.4	551.4	549.4	557.2	578.7	793.4	2259.2	3407.8	3612.7	3392.2	2727.6
37.5°	518.2	520.1	519.2	527.0	551.4	685.1	2152.8	3464.4	3737.7	3468.3	2787.1
40°	487.9	487.0	487.0	495.8	522.1	653.8	2019.1	3554.2	3917.2	3602.0	3046.7
42.5°	456.7	456.7	454.8	464.5	496.7	630.4	1891.3	3715.2	4178.8	3814.8	3507.3
45°	428.4	427.4	423.5	432.3	472.3	589.4	1846.4	4015.8	4565.2	4159.2	4064.6
47.5°	401.1	400.1	390.4	398.2	443.1	552.4	2014.2	4507.6	5101.0	4665.7	4586.7
50°	376.7	377.7	359.1	366.0	413.8	524.1	2378.2	5145.9	5812.4	5347.9	5081.5
52.5°	354.2	354.2	329.9	333.8	377.7	498.7	2724.7	5837.8	6751.2	6299.4	5658.2
55°	331.8	329.9	302.5	304.5	341.6	462.6	2776.4	6513.1	8031.6	7731.0	6446.7
57.5°	306.4	302.5	277.2	277.2	308.4	436.2	2406.5	7032.3	9620.3	9835.0	7583.6
60°	275.2	272.3	255.7	250.8	282.0	459.6	1698.0	7092.8	10645.0	12632.9	9760.8
62.5°	235.2	239.1	230.3	223.5	256.7	477.2	1006.1	6605.8	10397.1	13522.9	12368.4
65°	185.4	201.0	199.1	194.2	282.0	402.1	594.3	5670.9	9636.9	12804.6	11836.6
67.5°	158.1	168.8	165.9	165.9	295.7	305.5	373.8	4430.5	8590.8	11952.7	10572.8
70°	134.7	145.4	134.7	134.7	223.5	185.4	258.6	3093.6	7461.7	11010.0	9743.3
72.5°	111.3	122.0	110.3	102.5	178.6	138.6	189.3	1933.2	6390.1	10028.2	9175.3
75°	84.9	97.6	88.8	79.0	118.1	103.4	143.5	1123.2	5294.2	8580.0	8366.3
77.5°	53.7	70.3	66.4	55.6	86.9	75.1	103.4	668.5	4085.1	6704.4	7196.2
80°	33.2	36.1	37.1	35.1	49.8	50.7	70.3	380.6	2795.9	4672.6	5622.1
82.5°	21.5	21.5	16.6	18.5	24.4	29.3	40.0	143.5	1643.4	2844.7	3913.3
85°	15.6	13.7	8.8	8.8	11.7	14.6	15.6	43.9	666.5	1123.2	1530.2
87.5°	7.8	6.8	2.9	3.9	5.9	4.9	3.9	2.0	167.9	359.1	251.8
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5
2.5°	2270.9	2301.1	2303.1	2303.1	2276.8	2275.8	2222.1	2216.2
5°	2673.9	2693.5	2698.3	2688.6	2635.9	2596.8	2492.4	2470.0
7.5°	3042.8	3081.9	3081.9	3058.4	2972.6	2892.5	2741.3	2684.7
10°	3337.5	3382.4	3372.7	3324.9	3216.5	3106.3	2922.8	2848.6
12.5°	3481.0	3526.9	3501.5	3446.8	3341.4	3225.3	3032.1	2948.2
15°	3478.1	3465.4	3439.0	3432.2	3381.5	3293.6	3113.1	3021.4
17.5°	3354.1	3246.8	3226.3	3294.6	3359.0	3337.5	3183.4	3097.5
20°	3158.0	2970.6	2952.1	3082.8	3266.3	3360.0	3248.7	3169.7
22.5°	2951.1	2749.1	2706.1	2850.6	3126.7	3366.8	3331.7	3252.6
25°	2754.9	2552.0	2509.0	2643.7	2971.6	3355.1	3421.5	3354.1
27.5°	2591.0	2394.8	2354.8	2489.5	2822.3	3321.9	3511.3	3463.4
30°	2464.1	2282.6	2253.3	2383.1	2693.5	3280.9	3625.4	3599.1
32.5°	2390.0	2257.2	2268.0	2374.3	2624.2	3236.0	3734.7	3747.4
35°	2463.1	2469.0	2562.7	2606.6	2688.6	3229.2	3883.1	3932.8
37.5°	2827.2	3030.1	3224.3	3188.2	3003.8	3308.3	4104.6	4197.3
40°	3446.8	3863.5	4178.8	4041.2	3576.6	3550.3	4423.7	4562.3
42.5°	4204.1	4910.7	5429.8	5061.0	4315.4	3973.8	4879.4	5056.1
45°	5003.4	6201.8	7019.6	6252.5	5102.9	4567.2	5569.4	5708.0
47.5°	5845.6	7771.0	8828.9	7573.9	5832.9	5242.5	6510.2	6542.4
50°	6766.8	9491.5	10673.3	8894.3	6537.5	6016.4	7659.8	7622.7
52.5°	7644.1	11260.8	12478.7	10220.5	7156.2	6976.6	8993.8	8917.7
55°	8481.5	13029.1	14294.8	11495.0	7739.8	8245.3	10578.6	10118.0
57.5°	9452.5	14618.8	16166.6	12775.4	8555.6	9892.6	12350.9	10814.8
60°	10888.0	16425.2	18283.3	14530.0	10107.3	11623.8	12986.2	10682.1
62.5°	12720.7	18086.2	19822.3	16249.5	11665.8	11949.8	12050.3	9659.4
65°	13076.9	18506.8	19909.1	16709.2	11464.7	10136.6	9837.9	7764.2
67.5°	12132.3	17746.5	18695.1	15853.3	10141.4	7833.5	7382.6	5632.8
70°	11072.4	16297.4	16579.4	14398.3	8919.6	5761.7	4985.8	3614.7
72.5°	9986.3	14364.1	13780.5	12504.1	7839.3	4195.3	3596.2	2569.5
75°	8696.2	11821.9	10854.8	10389.3	6490.6	3292.7	2601.7	1773.2
77.5°	6963.9	8321.4	8062.8	8053.0	4877.5	2405.6	1736.1	1111.5
80°	4912.6	5400.6	5268.8	6065.2	3272.2	1744.9	1045.2	618.7
82.5°	2378.2	2986.2	3065.3	3611.8	1591.7	1026.6	241.0	134.7
85°	931.0	1440.4	1215.0	1371.1	447.0	285.9	5.9	0.0
87.5°	104.4	166.9	153.2	121.0	54.6	11.7	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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