

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: P947739

Luminaire Tested: **GALN-SB3A-730-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947739
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-SB3A-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 350mA 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: 10272 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

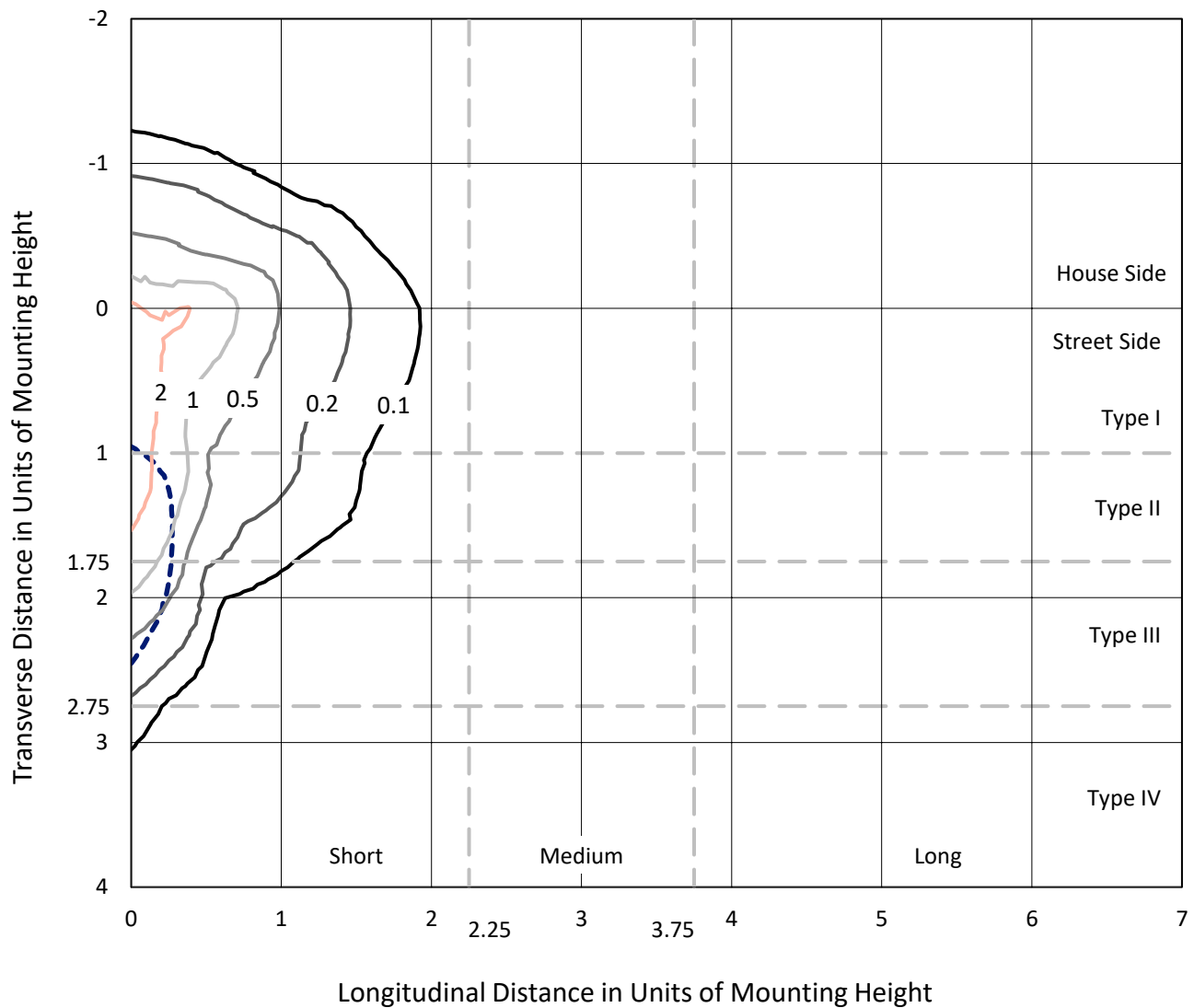
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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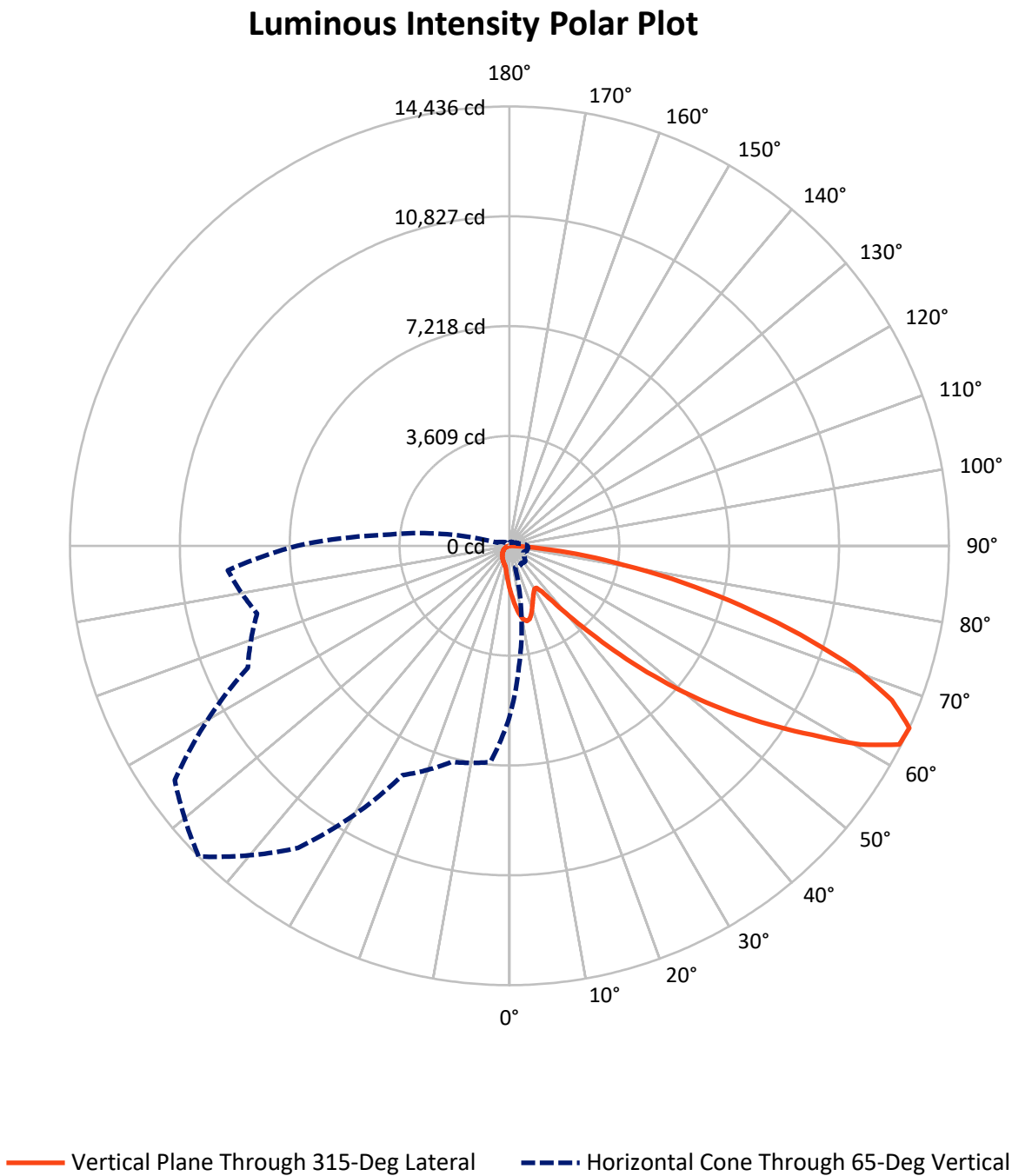
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1438.5	0.0	1438.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	8833.5	0.0	8833.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	10272.0	0.0	10272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	1.4
10°-20°	419.8	4.1
20°-30°	618.4	6.0
30°-40°	794.5	7.7
40°-50°	1285.0	12.5
50°-60°	2253.3	21.9
60°-70°	2819.5	27.4
70°-80°	1647.6	16.0
80°-90°	294.0	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°	10272.0	100.0
0°-180°	10272.0	100.0

Coefficient of Utilization



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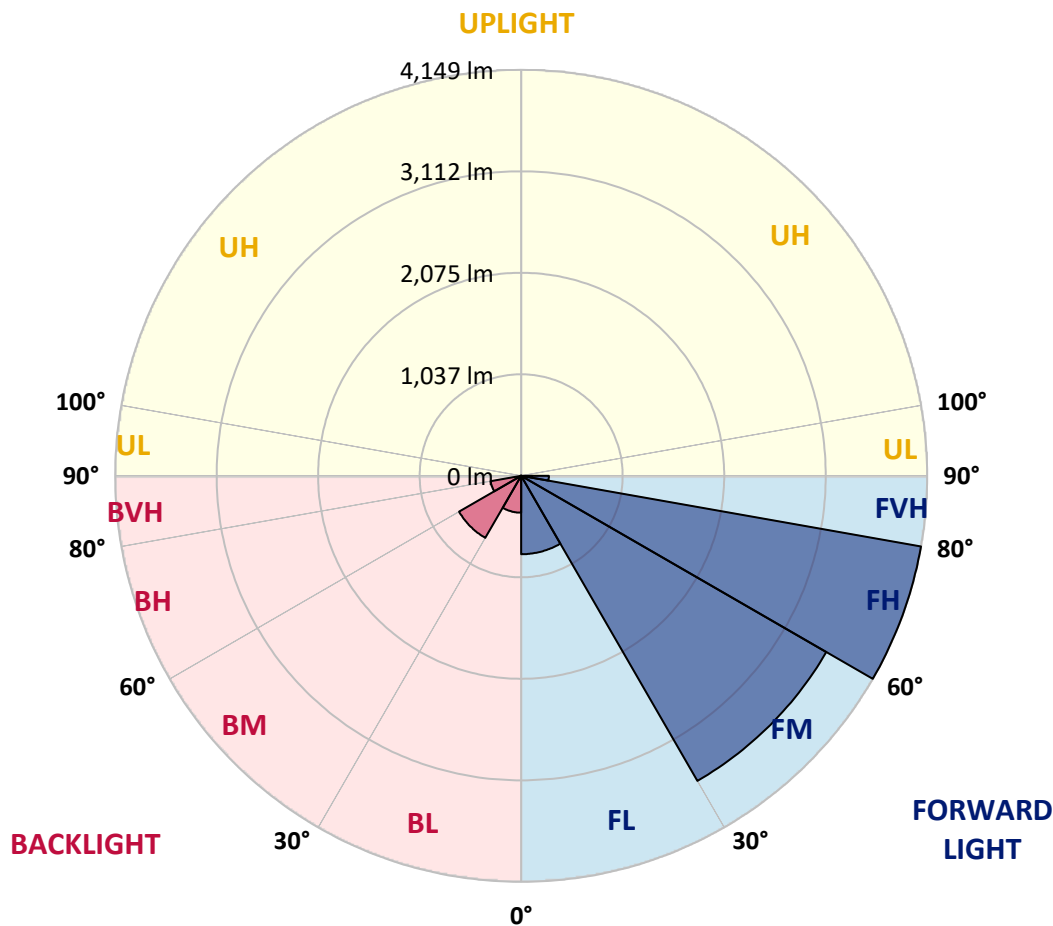
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	801.2	7.8			
FM	(30°-60°)	3600.2	35.0			
FH	(60°-80°)	4149.4	40.4			G2/5000
FVH	(80°-90°)	282.7	2.8			G3/500
BL	(0°-30°)	377.1	3.7	B1/500		
BM	(30°-60°)	732.5	7.1	B1/1000		
BH	(60°-80°)	317.6	3.1	B1/500		G1/500
BVH	(80°-90°)	11.3	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°	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3
2.5°	1607.0	1579.4	1563.2	1522.8	1482.5	1449.9	1406.1	1377.1	1342.4	1309.1	1279.4
5°	1791.0	1746.4	1692.7	1619.1	1551.8	1483.2	1416.7	1350.9	1281.5	1217.8	1178.9
7.5°	1946.7	1882.3	1787.5	1689.8	1604.2	1521.4	1443.6	1356.5	1272.3	1172.5	1119.5
10°	2065.6	1983.5	1859.0	1730.9	1632.5	1549.0	1473.3	1399.7	1314.8	1194.5	1128.0
12.5°	2137.8	2050.0	1902.1	1752.1	1639.6	1546.2	1487.4	1454.9	1421.6	1302.0	1224.2
15°	2190.8	2096.0	1932.5	1767.0	1623.3	1508.7	1465.5	1498.1	1536.3	1459.8	1370.0
17.5°	2246.0	2146.3	1972.2	1773.3	1579.4	1435.8	1417.4	1501.6	1590.1	1586.5	1497.4
20°	2298.4	2199.3	2006.8	1769.1	1508.7	1347.3	1363.6	1471.2	1573.8	1616.9	1568.8
22.5°	2358.5	2253.8	2040.1	1752.8	1416.7	1264.5	1315.5	1423.1	1512.9	1563.9	1549.0
25°	2432.1	2322.5	2086.8	1728.7	1317.6	1195.9	1266.7	1367.1	1440.0	1475.4	1474.7
27.5°	2511.4	2404.5	2149.1	1716.0	1237.7	1147.1	1211.5	1300.6	1365.7	1390.5	1390.5
30°	2609.8	2500.1	2222.7	1701.9	1185.3	1118.8	1154.2	1223.5	1287.2	1312.0	1312.0
32.5°	2717.3	2606.2	2293.4	1667.9	1153.4	1097.5	1098.2	1142.1	1200.1	1229.9	1234.1
35°	2851.8	2733.6	2369.2	1593.6	1128.0	1072.8	1043.8	1065.0	1113.1	1148.5	1157.7
37.5°	3043.5	2900.6	2461.9	1487.4	1090.5	1034.6	986.4	991.4	1028.2	1067.1	1081.3
40°	3308.2	3124.9	2570.8	1377.1	1036.7	980.8	923.5	921.3	948.2	986.4	1002.0
42.5°	3666.2	3421.4	2701.7	1271.6	985.0	915.7	856.9	853.4	874.6	907.9	924.2
45°	4138.9	3800.7	2862.4	1181.0	944.7	852.0	794.0	792.5	810.2	839.3	856.2
47.5°	4744.0	4327.9	3023.0	1119.5	923.5	801.7	742.3	745.1	760.7	786.9	798.9
50°	5527.3	5015.0	3071.8	1088.3	923.5	774.9	696.3	710.5	723.2	743.0	750.1
52.5°	6466.4	5674.5	2910.5	1060.0	929.1	778.4	657.4	687.8	697.0	714.0	716.8
55°	7336.7	5997.9	2502.2	1021.1	930.5	800.3	624.1	669.4	686.4	692.8	692.1
57.5°	7842.0	5886.8	2023.1	955.3	924.9	815.2	602.9	646.8	679.3	683.6	677.2
60°	7745.8	5496.9	1489.6	905.1	883.1	809.5	596.5	612.1	663.8	670.1	661.6
62.5°	7004.2	4843.0	1033.9	866.1	791.1	784.8	594.4	557.6	629.8	645.4	633.3
65°	5629.9	3812.7	730.3	745.8	693.5	731.0	583.1	501.0	588.8	610.0	591.6
67.5°	4084.5	2580.0	527.2	604.3	628.4	643.9	557.6	460.0	542.0	570.4	546.3
70°	2621.1	1393.3	370.1	399.1	529.3	547.0	513.7	423.2	494.6	527.2	501.0
72.5°	1863.2	823.0	266.1	279.5	425.3	455.7	452.2	382.1	439.4	479.1	447.9
75°	1285.8	453.6	179.7	199.6	308.5	370.1	348.9	328.3	372.2	412.6	382.1
77.5°	806.0	203.1	107.6	138.7	202.4	290.8	239.2	254.0	290.1	327.6	295.8
80°	448.6	78.5	60.1	92.0	110.4	211.6	132.3	163.5	213.7	240.6	215.1
82.5°	97.7	9.9	26.9	39.6	43.2	123.1	70.1	94.8	134.5	132.3	114.6
85°	0.0	0.0	5.0	5.7	2.8	53.1	25.5	31.1	43.9	41.0	31.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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°	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3
2.5°	1273.7	1239.1	1213.6	1200.9	1190.2	1200.1	1205.8	1205.8	1229.9	1244.0	1249.7
5°	1154.2	1091.9	1044.5	1012.6	993.5	999.9	1007.0	1014.7	1045.2	1065.7	1079.1
7.5°	1071.4	975.8	903.6	859.1	835.7	839.3	844.2	850.6	880.3	900.8	918.5
10°	1055.8	918.5	816.6	757.9	729.6	724.6	721.8	719.7	737.4	752.9	767.1
12.5°	1119.5	921.3	779.1	707.6	673.0	658.1	641.1	627.7	630.5	640.4	658.1
15°	1233.4	957.4	767.1	681.5	638.3	613.5	593.7	577.4	573.9	577.4	580.3
17.5°	1363.6	1006.3	765.7	658.8	605.0	579.6	563.3	548.4	543.5	544.2	547.7
20°	1449.9	1045.2	761.4	633.3	573.2	550.5	536.4	521.5	516.6	518.0	518.7
22.5°	1458.4	1065.7	755.0	605.0	541.3	522.2	508.1	494.6	493.9	493.9	498.2
25°	1412.4	1065.7	741.6	579.6	510.9	493.9	481.2	464.9	467.7	469.2	474.8
27.5°	1341.0	1040.2	716.1	559.0	484.7	467.0	454.3	439.4	443.0	445.1	451.5
30°	1270.2	1007.7	685.7	535.7	460.0	439.4	430.2	417.5	418.9	421.7	428.8
32.5°	1204.4	973.0	649.6	516.6	435.2	414.7	407.6	393.4	395.6	398.4	406.2
35°	1139.3	934.8	607.1	493.9	412.6	392.0	386.4	370.1	371.5	375.8	384.2
37.5°	1069.2	894.4	572.5	471.3	390.6	369.4	363.7	346.7	348.2	353.1	363.0
40°	995.6	854.8	538.5	447.2	367.3	346.0	341.1	322.7	324.1	329.8	340.4
42.5°	921.3	811.7	512.3	416.1	343.2	320.6	315.6	298.6	300.7	307.1	317.7
45°	852.7	760.0	495.3	381.4	320.6	295.1	290.1	274.6	278.8	285.9	296.5
47.5°	794.0	706.9	488.3	352.4	296.5	268.9	264.7	251.9	259.0	266.8	275.3
50°	743.7	656.0	479.1	322.7	273.9	246.3	242.0	233.5	242.7	250.5	258.3
52.5°	707.6	598.0	459.3	295.8	254.0	227.2	225.7	221.5	230.0	237.1	244.1
55°	676.5	537.8	427.4	272.4	236.3	210.9	212.3	210.2	217.2	222.9	229.3
57.5°	648.2	485.4	387.1	254.0	217.2	196.7	201.0	198.1	201.7	205.2	213.0
60°	614.2	432.4	339.0	233.5	194.6	182.6	187.5	179.7	179.0	180.4	182.6
62.5°	564.0	360.9	288.7	208.0	174.8	167.0	169.1	154.3	142.9	142.9	145.1
65°	493.9	290.1	242.0	179.7	152.1	145.8	144.4	123.1	107.6	106.1	112.5
67.5°	412.6	238.5	201.0	151.4	126.7	122.4	123.8	108.3	92.7	91.3	98.4
70°	336.1	197.4	162.0	121.0	97.7	101.9	108.3	92.7	77.8	75.7	82.1
72.5°	273.1	157.1	126.7	92.7	72.2	84.2	92.0	75.7	61.6	60.1	65.8
75°	210.9	115.3	90.6	63.0	52.4	65.1	72.2	55.2	43.9	41.8	46.7
77.5°	140.8	71.5	50.9	39.6	31.1	44.6	48.1	29.0	25.5	24.8	28.3
80°	85.6	33.3	21.9	19.1	10.6	16.3	19.1	12.0	13.4	14.2	17.0
82.5°	43.2	9.2	3.5	0.7	0.0	0.0	5.7	2.8	5.7	7.1	10.6
85°	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.5	6.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3
2.5°	1289.3	1319.0	1347.3	1392.6	1439.3	1485.3	1532.0	1577.3	1593.6	1605.6	1632.5
5°	1140.7	1196.6	1261.7	1351.6	1447.8	1546.9	1647.4	1739.4	1781.1	1809.4	1873.1
7.5°	987.1	1060.0	1153.4	1288.6	1439.3	1597.1	1754.9	1900.0	1967.2	2021.7	2118.7
10°	835.0	914.3	1032.4	1186.7	1390.5	1616.9	1834.9	2034.4	2121.5	2190.1	2321.7
12.5°	701.3	775.6	899.4	1069.9	1314.1	1601.4	1880.9	2120.8	2223.4	2300.5	2444.9
15°	607.1	659.5	769.2	953.2	1223.5	1551.1	1883.7	2161.8	2274.3	2355.0	2480.3
17.5°	554.8	572.5	643.9	834.3	1123.0	1485.3	1857.5	2176.0	2296.3	2371.3	2458.3
20°	526.5	529.3	549.1	680.0	994.2	1423.8	1832.8	2190.1	2316.8	2379.8	2406.0
22.5°	503.8	503.8	508.8	556.2	827.9	1350.2	1825.0	2214.9	2345.1	2384.0	2330.2
25°	483.3	483.3	484.7	497.5	656.0	1237.7	1820.0	2253.1	2384.0	2394.6	2246.7
27.5°	462.1	462.8	462.8	469.9	528.6	1084.8	1798.8	2302.6	2430.7	2408.8	2166.8
30°	440.9	442.3	442.3	447.2	467.7	905.8	1757.1	2362.1	2491.6	2427.2	2087.5
32.5°	419.6	421.0	421.0	425.3	440.1	723.2	1704.7	2416.6	2553.1	2435.0	2013.9
35°	397.7	399.8	398.4	404.1	419.6	575.3	1638.2	2471.1	2619.7	2459.7	1977.8
37.5°	375.8	377.2	376.5	382.1	399.8	496.8	1561.0	2512.1	2710.2	2514.9	2021.0
40°	353.8	353.1	353.1	359.5	378.6	474.1	1464.1	2577.2	2840.4	2611.9	2209.2
42.5°	331.2	331.2	329.8	336.8	360.2	457.1	1371.4	2694.0	3030.1	2766.1	2543.2
45°	310.7	309.9	307.1	313.5	342.5	427.4	1338.8	2911.9	3310.3	3015.9	2947.3
47.5°	290.8	290.1	283.1	288.7	321.3	400.5	1460.6	3268.6	3698.8	3383.2	3325.9
50°	273.1	273.9	260.4	265.4	300.0	380.0	1724.5	3731.4	4214.7	3877.8	3684.6
52.5°	256.9	256.9	239.2	242.0	273.9	361.6	1975.7	4233.1	4895.4	4567.8	4102.9
55°	240.6	239.2	219.4	220.8	247.7	335.4	2013.2	4722.7	5823.8	5605.9	4674.6
57.5°	222.2	219.4	201.0	201.0	223.6	316.3	1745.0	5099.2	6975.9	7131.5	5499.0
60°	199.6	197.4	185.4	181.9	204.5	333.3	1231.3	5143.1	7718.9	9160.3	7077.8
62.5°	170.5	173.4	167.0	162.0	186.1	346.0	729.6	4790.0	7539.1	9805.7	8968.5
65°	134.5	145.8	144.4	140.8	204.5	291.5	430.9	4112.1	6987.9	9284.9	8582.9
67.5°	114.6	122.4	120.3	120.3	214.4	221.5	271.0	3212.7	6229.3	8667.1	7666.5
70°	97.7	105.4	97.7	97.7	162.0	134.5	187.5	2243.2	5410.6	7983.5	7065.0
72.5°	80.7	88.5	80.0	74.3	129.5	100.5	137.3	1401.8	4633.6	7271.6	6653.2
75°	61.6	70.8	64.4	57.3	85.6	75.0	104.0	814.5	3838.9	6221.5	6066.5
77.5°	38.9	50.9	48.1	40.3	63.0	54.5	75.0	484.7	2962.2	4861.4	5218.1
80°	24.1	26.2	26.9	25.5	36.1	36.8	50.9	276.0	2027.4	3388.1	4076.7
82.5°	15.6	15.6	12.0	13.4	17.7	21.2	29.0	104.0	1191.7	2062.8	2837.6
85°	11.3	9.9	6.4	6.4	8.5	10.6	11.3	31.8	483.3	814.5	1109.6
87.5°	5.7	5.0	2.1	2.8	4.2	3.5	2.8	1.4	121.7	260.4	182.6
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°	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3
2.5°	1646.7	1668.6	1670.0	1670.0	1650.9	1650.2	1611.3	1607.0
5°	1938.9	1953.1	1956.6	1949.5	1911.3	1883.0	1807.3	1791.0
7.5°	2206.4	2234.7	2234.7	2217.7	2155.5	2097.4	1987.7	1946.7
10°	2420.1	2452.7	2445.6	2410.9	2332.4	2252.4	2119.4	2065.6
12.5°	2524.1	2557.4	2539.0	2499.4	2422.9	2338.7	2198.6	2137.8
15°	2522.0	2512.8	2493.7	2488.7	2452.0	2388.3	2257.4	2190.8
17.5°	2432.1	2354.3	2339.4	2389.0	2435.7	2420.1	2308.3	2246.0
20°	2289.9	2154.0	2140.6	2235.4	2368.4	2436.4	2355.7	2298.4
22.5°	2139.9	1993.4	1962.3	2067.0	2267.3	2441.3	2415.9	2358.5
25°	1997.6	1850.5	1819.3	1917.0	2154.7	2432.8	2481.0	2432.1
27.5°	1878.8	1736.5	1707.5	1805.2	2046.5	2408.8	2546.1	2511.4
30°	1786.8	1655.2	1633.9	1728.0	1953.1	2379.1	2628.9	2609.8
32.5°	1733.0	1636.8	1644.5	1721.7	1902.8	2346.5	2708.1	2717.3
35°	1786.1	1790.3	1858.2	1890.1	1949.5	2341.6	2815.7	2851.8
37.5°	2050.0	2197.2	2338.0	2311.8	2178.1	2398.9	2976.3	3043.5
40°	2499.4	2801.5	3030.1	2930.3	2593.5	2574.4	3207.7	3308.2
42.5°	3048.5	3560.8	3937.3	3669.8	3129.2	2881.5	3538.2	3666.2
45°	3628.0	4497.0	5090.0	4533.8	3700.2	3311.7	4038.5	4138.9
47.5°	4238.7	5634.9	6402.0	5491.9	4229.5	3801.4	4720.6	4744.0
50°	4906.7	6882.4	7739.4	6449.4	4740.4	4362.6	5554.2	5527.3
52.5°	5542.9	8165.4	9048.5	7411.0	5189.1	5058.9	6521.6	6466.4
55°	6150.0	9447.6	10365.4	8335.2	5612.2	5978.8	7670.7	7336.7
57.5°	6854.1	10600.3	11722.7	9263.6	6203.8	7173.3	8955.8	7842.0
60°	7895.1	11910.2	13257.5	10536.0	7329.0	8428.6	9416.5	7745.8
62.5°	9224.0	13114.6	14373.5	11782.8	8459.1	8665.0	8737.9	7004.2
65°	9482.3	13419.6	14436.4	12116.1	8313.3	7350.2	7133.7	5629.9
67.5°	8797.3	12868.3	13556.1	11495.5	7353.7	5680.2	5353.2	4084.5
70°	8028.8	11817.5	12022.0	10440.4	6467.8	4177.9	3615.3	2621.1
72.5°	7241.2	10415.7	9992.5	9066.9	5684.4	3042.1	2607.6	1863.2
75°	6305.7	8572.3	7871.0	7533.5	4706.5	2387.6	1886.6	1285.8
77.5°	5049.7	6034.0	5846.5	5839.4	3536.8	1744.3	1258.9	806.0
80°	3562.2	3916.0	3820.5	4397.9	2372.7	1265.2	757.9	448.6
82.5°	1724.5	2165.4	2222.7	2619.0	1154.2	744.4	174.8	97.7
85°	675.1	1044.5	881.0	994.2	324.1	207.3	4.2	0.0
87.5°	75.7	121.0	111.1	87.7	39.6	8.5	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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