

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: P948663

Luminaire Tested: **GALN-SB3C-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948663
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-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 10438 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

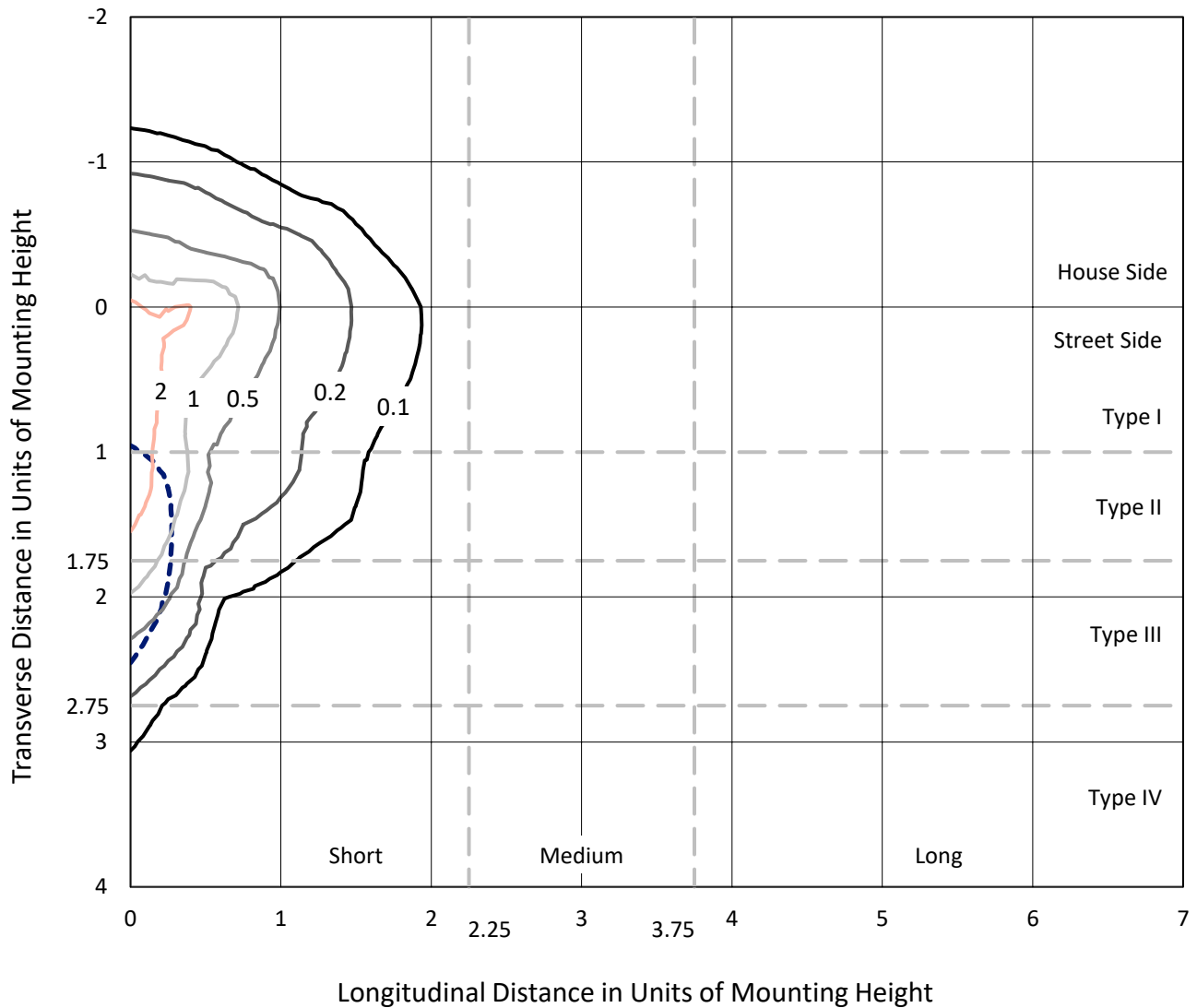
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

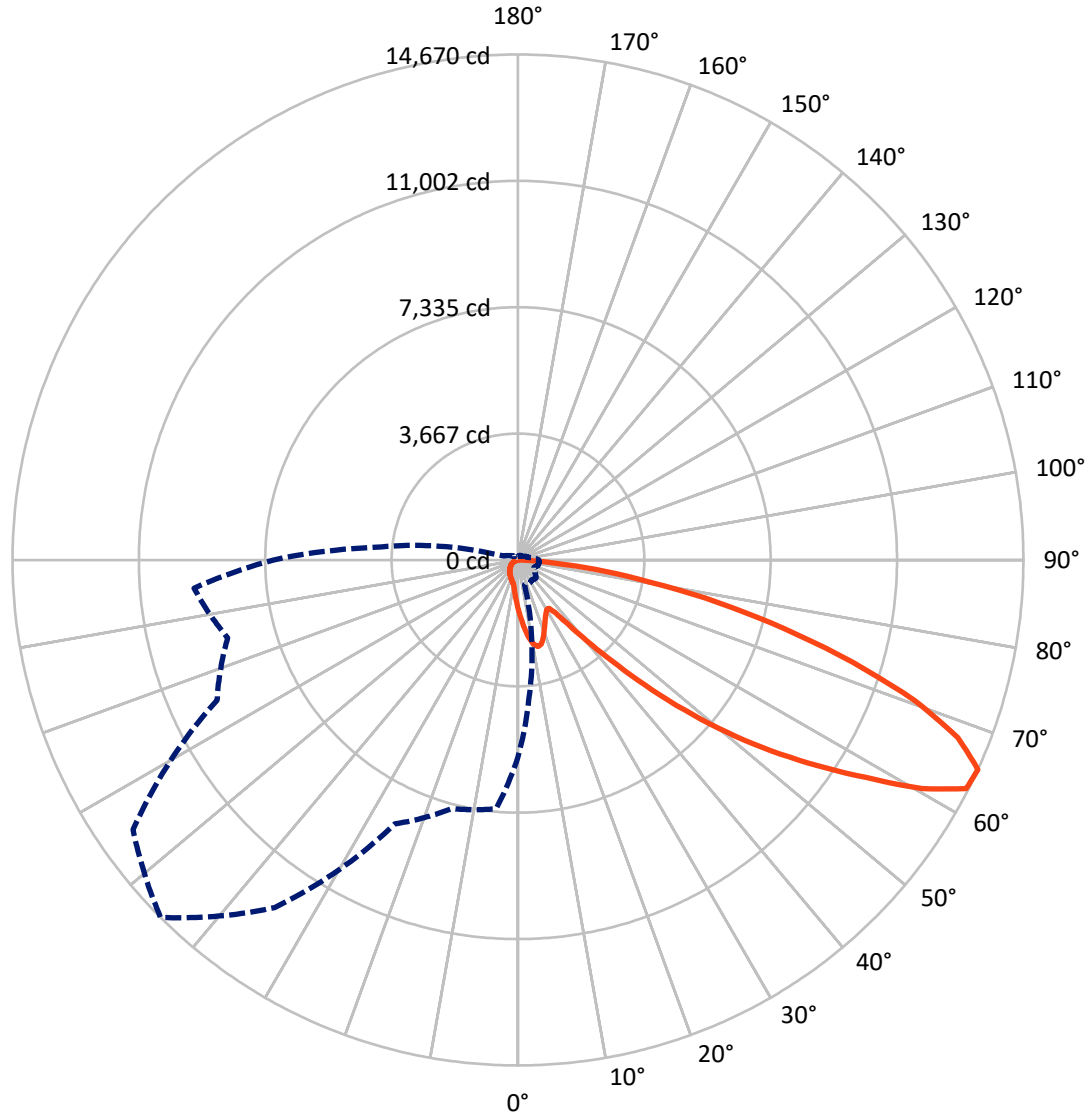
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1461.8	0.0	1461.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	8976.2	0.0	8976.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	10438.0	0.0	10438.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	1.4
10°-20°	426.6	4.1
20°-30°	628.4	6.0
30°-40°	807.3	7.7
40°-50°	1305.7	12.5
50°-60°	2289.7	21.9
60°-70°	2865.0	27.4
70°-80°	1674.2	16.0
80°-90°	298.7	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°	10438.0	100.0
0°-180°	10438.0	100.0

Coefficient of Utilization



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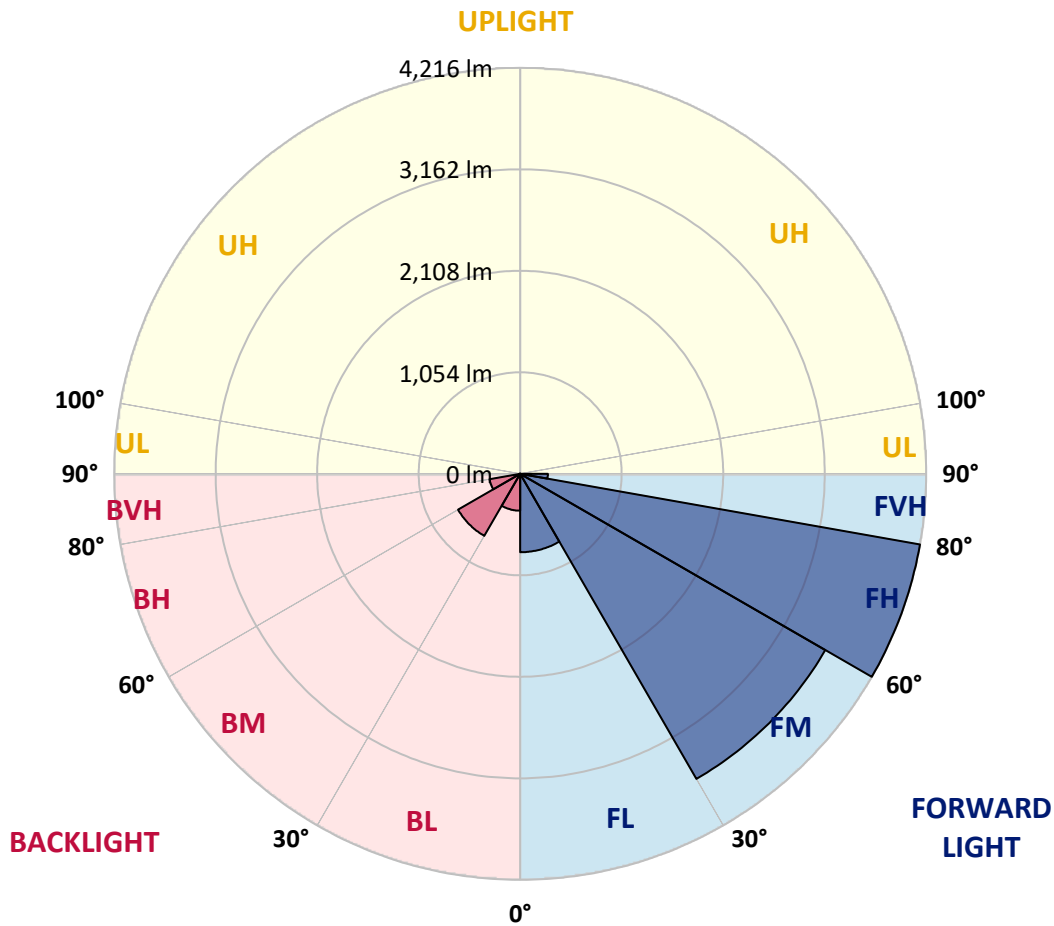
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	814.1	7.8			
FM (30°-60°)	3658.4	35.0			
FH (60°-80°)	4216.5	40.4			G2/5000
FVH (80°-90°)	287.2	2.8			G3/500
BL (0°-30°)	383.2	3.7	B1/500		
BM (30°-60°)	744.4	7.1	B1/1000		
BH (60°-80°)	322.8	3.1	B1/500		G1/500
BVH (80°-90°)	11.5	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°
0°	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3
2.5°	1633.0	1605.0	1588.4	1547.4	1506.4	1473.4	1428.8	1399.3	1364.1	1330.3
5°	1820.0	1774.7	1720.0	1645.2	1576.9	1507.2	1439.6	1372.7	1302.2	1237.5
7.5°	1978.2	1912.7	1816.4	1717.1	1630.1	1546.0	1466.9	1378.5	1292.9	1191.5
10°	2099.0	2015.6	1889.0	1758.8	1658.9	1574.0	1497.1	1422.3	1336.0	1213.8
12.5°	2172.3	2083.1	1932.9	1780.4	1666.1	1571.2	1511.5	1478.4	1444.6	1323.1
15°	2226.2	2129.9	1963.8	1795.5	1649.5	1533.1	1489.2	1522.3	1561.1	1483.4
17.5°	2282.3	2180.9	2004.0	1802.0	1605.0	1459.0	1440.3	1525.9	1615.7	1612.2
20°	2335.5	2234.9	2039.3	1797.7	1533.1	1369.1	1385.6	1494.9	1599.2	1643.1
22.5°	2396.7	2290.2	2073.1	1781.1	1439.6	1285.0	1336.7	1446.0	1537.4	1589.1
25°	2471.4	2360.0	2120.5	1756.7	1338.9	1215.2	1287.1	1389.2	1463.3	1499.3
27.5°	2552.0	2443.4	2183.8	1743.7	1257.7	1165.6	1231.0	1321.6	1387.8	1413.0
30°	2651.9	2540.5	2258.6	1729.4	1204.4	1136.8	1172.8	1243.3	1308.0	1333.2
32.5°	2761.2	2648.3	2330.5	1694.8	1172.1	1115.3	1116.0	1160.6	1219.5	1249.7
35°	2897.8	2777.8	2407.4	1619.3	1146.2	1090.1	1060.6	1082.2	1131.1	1167.0
37.5°	3092.7	2947.5	2501.6	1511.5	1108.1	1051.3	1002.4	1007.4	1044.8	1084.4
40°	3361.6	3175.4	2612.4	1399.3	1053.4	996.6	938.4	936.2	963.6	1002.4
42.5°	3725.5	3476.7	2745.4	1292.2	1000.9	930.5	870.8	867.2	888.8	922.6
45°	4205.8	3862.1	2908.6	1200.1	960.0	865.8	806.8	805.4	823.3	852.8
47.5°	4820.6	4397.8	3071.9	1137.6	938.4	814.7	754.3	757.2	773.0	799.6
50°	5616.6	5096.0	3121.5	1105.9	938.4	787.4	707.6	721.9	734.9	755.0
52.5°	6570.9	5766.2	2957.5	1077.2	944.1	791.0	668.0	698.9	708.3	725.5
55°	7455.3	6094.8	2542.6	1037.6	945.6	813.3	634.2	680.2	697.5	704.0
57.5°	7968.7	5981.9	2055.8	970.7	939.8	828.4	612.6	657.2	690.3	694.6
60°	7870.9	5585.7	1513.6	919.7	897.4	822.6	606.2	622.0	674.5	681.0
62.5°	7117.3	4921.3	1050.6	880.1	803.9	797.4	604.0	566.6	640.0	655.8
65°	5720.9	3874.3	742.1	757.9	704.7	742.8	592.5	509.1	598.3	619.8
67.5°	4150.5	2621.7	535.7	614.1	638.5	654.4	566.6	467.4	550.8	579.6
70°	2663.4	1415.8	376.1	405.6	537.9	555.8	522.0	430.0	502.6	535.7
72.5°	1893.3	836.3	270.4	284.0	432.2	463.1	459.5	388.3	446.5	486.8
75°	1306.5	460.9	182.6	202.8	313.5	376.1	354.5	333.6	378.2	419.2
77.5°	819.0	206.4	109.3	140.9	205.7	295.5	243.0	258.1	294.8	332.9
80°	455.9	79.8	61.1	93.5	112.2	215.0	134.5	166.1	217.2	244.5
82.5°	99.2	10.1	27.3	40.3	43.9	125.1	71.2	96.4	136.6	134.5
85°	0.0	0.0	5.0	5.8	2.9	53.9	25.9	31.6	44.6	41.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1445.3	0°	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3
1300.1	2.5°	1294.3	1259.1	1233.2	1220.3	1209.5	1219.5	1225.3	1225.3	1249.7	1264.1
1198.0	5°	1172.8	1109.5	1061.3	1029.0	1009.6	1016.0	1023.2	1031.1	1062.1	1082.9
1137.6	7.5°	1088.7	991.6	918.3	872.9	849.2	852.8	857.8	864.3	894.5	915.4
1146.2	10°	1072.9	933.4	829.8	770.1	741.4	736.3	733.5	731.3	749.3	765.1
1244.0	12.5°	1137.6	936.2	791.7	719.1	683.8	668.7	651.5	637.8	640.7	650.8
1392.1	15°	1253.3	972.9	779.5	692.5	648.6	623.4	603.3	586.8	583.2	586.8
1521.6	17.5°	1385.6	1022.5	778.0	669.5	614.8	588.9	572.4	557.3	552.2	553.0
1594.2	20°	1473.4	1062.1	773.7	643.6	582.4	559.4	545.1	530.0	524.9	526.4
1574.0	22.5°	1482.0	1082.9	767.2	614.8	550.1	530.7	516.3	502.6	501.9	501.9
1498.5	25°	1435.3	1082.9	753.6	588.9	519.2	501.9	489.0	472.4	475.3	476.7
1413.0	27.5°	1362.6	1057.0	727.7	568.1	492.6	474.6	461.6	446.5	450.1	452.3
1333.2	30°	1290.7	1024.0	696.8	544.3	467.4	446.5	437.2	424.3	425.7	428.6
1254.1	32.5°	1223.9	988.7	660.1	524.9	442.2	421.4	414.2	399.8	402.0	404.8
1176.4	35°	1157.7	949.9	617.0	501.9	419.2	398.4	392.6	376.1	377.5	381.8
1098.7	37.5°	1086.5	908.9	581.7	478.9	396.9	375.4	369.6	352.3	353.8	358.8
1018.2	40°	1011.7	868.6	547.2	454.5	373.2	351.6	346.6	327.9	329.3	335.1
939.1	42.5°	936.2	824.8	520.6	422.8	348.7	325.7	320.7	303.4	305.6	312.1
870.1	45°	866.5	772.3	503.3	387.6	325.7	299.9	294.8	279.0	283.3	290.5
811.8	47.5°	806.8	718.4	496.2	358.1	301.3	273.2	268.9	256.0	263.2	271.1
762.2	50°	755.7	666.6	486.8	327.9	278.3	250.2	245.9	237.3	246.6	254.6
728.4	52.5°	719.1	607.6	466.7	300.6	258.1	230.8	229.4	225.1	233.7	240.9
703.2	55°	687.4	546.5	434.3	276.8	240.2	214.3	215.7	213.6	220.8	226.5
688.1	57.5°	658.7	493.3	393.3	258.1	220.8	199.9	204.2	201.3	204.9	208.5
672.3	60°	624.2	439.4	344.4	237.3	197.7	185.5	190.6	182.6	181.9	183.4
643.6	62.5°	573.1	366.7	293.4	211.4	177.6	169.7	171.9	156.8	145.3	145.3
601.1	65°	501.9	294.8	245.9	182.6	154.6	148.1	146.7	125.1	109.3	107.9
555.1	67.5°	419.2	242.3	204.2	153.9	128.7	124.4	125.8	110.0	94.2	92.8
509.1	70°	341.6	200.6	164.7	123.0	99.2	103.5	110.0	94.2	79.1	76.9
455.2	72.5°	277.6	159.6	128.7	94.2	73.3	85.6	93.5	76.9	62.6	61.1
388.3	75°	214.3	117.2	92.0	64.0	53.2	66.2	73.3	56.1	44.6	42.4
300.6	77.5°	143.1	72.6	51.8	40.3	31.6	45.3	48.9	29.5	25.9	25.2
218.6	80°	87.0	33.8	22.3	19.4	10.8	16.5	19.4	12.2	13.7	14.4
116.5	82.5°	43.9	9.3	3.6	0.7	0.0	0.0	5.8	2.9	5.8	7.2
31.6	85°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
1445.3	0°	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3
1269.9	2.5°	1310.1	1340.3	1369.1	1415.1	1462.6	1509.3	1556.8	1602.8	1619.3	1631.6
1096.6	5°	1159.1	1215.9	1282.1	1373.4	1471.2	1571.9	1674.0	1767.5	1809.9	1838.7
933.4	7.5°	1003.1	1077.2	1172.1	1309.4	1462.6	1622.9	1783.3	1930.7	1999.0	2054.4
779.5	10°	848.5	929.0	1049.1	1205.9	1413.0	1643.1	1864.5	2067.3	2155.8	2225.5
668.7	12.5°	712.6	788.1	913.9	1087.2	1335.3	1627.3	1911.3	2155.1	2259.3	2337.7
589.6	15°	617.0	670.2	781.6	968.6	1243.3	1576.2	1914.2	2196.8	2311.1	2393.1
556.6	17.5°	563.8	581.7	654.4	847.8	1141.2	1509.3	1887.6	2211.1	2333.4	2409.6
527.1	20°	535.0	537.9	558.0	691.0	1010.3	1446.8	1862.4	2225.5	2354.2	2418.2
506.2	22.5°	512.0	512.0	517.0	565.2	841.3	1372.0	1854.5	2250.7	2383.0	2422.5
482.5	25°	491.1	491.1	492.6	505.5	666.6	1257.7	1849.4	2289.5	2422.5	2433.3
458.8	27.5°	469.6	470.3	470.3	477.5	537.1	1102.3	1827.9	2339.9	2470.0	2447.7
435.8	30°	448.0	449.4	449.4	454.5	475.3	920.4	1785.4	2400.3	2531.8	2466.4
412.7	32.5°	426.4	427.8	427.8	432.2	447.3	734.9	1732.2	2455.6	2594.4	2474.3
390.5	35°	404.1	406.3	404.8	410.6	426.4	584.6	1664.6	2511.0	2662.0	2499.5
368.9	37.5°	381.8	383.3	382.5	388.3	406.3	504.8	1586.3	2552.7	2754.0	2555.6
345.9	40°	359.5	358.8	358.8	365.3	384.7	481.8	1487.8	2618.8	2886.3	2654.1
322.9	42.5°	336.5	336.5	335.1	342.3	366.0	464.5	1393.6	2737.5	3079.1	2810.8
301.3	45°	315.7	315.0	312.1	318.5	348.0	434.3	1360.5	2959.0	3363.8	3064.7
279.7	47.5°	295.5	294.8	287.6	293.4	326.5	407.0	1484.2	3321.4	3758.6	3437.9
262.5	50°	277.6	278.3	264.6	269.7	304.9	386.1	1752.4	3791.7	4282.8	3940.5
248.1	52.5°	261.0	261.0	243.0	245.9	278.3	367.4	2007.6	4301.5	4974.5	4641.6
233.0	55°	244.5	243.0	222.9	224.3	251.7	340.8	2045.8	4799.1	5917.9	5696.5
216.4	57.5°	225.8	222.9	204.2	204.2	227.2	321.4	1773.2	5181.6	7088.6	7246.8
185.5	60°	202.8	200.6	188.4	184.8	207.8	338.7	1251.2	5226.2	7843.6	9308.4
147.4	62.5°	173.3	176.2	169.7	164.7	189.1	351.6	741.4	4867.4	7661.0	9964.1
114.3	65°	136.6	148.1	146.7	143.1	207.8	296.3	437.9	4178.5	7100.8	9434.9
100.0	67.5°	116.5	124.4	122.2	122.2	217.9	225.1	275.4	3264.6	6330.0	8807.2
83.4	70°	99.2	107.1	99.2	99.2	164.7	136.6	190.6	2279.4	5498.0	8112.5
66.9	72.5°	82.0	89.9	81.3	75.5	131.6	102.1	139.5	1424.5	4708.5	7389.2
47.5	75°	62.6	71.9	65.4	58.2	87.0	76.2	105.7	827.6	3901.0	6322.1
28.8	77.5°	39.5	51.8	48.9	41.0	64.0	55.4	76.2	492.6	3010.0	4940.0
17.3	80°	24.4	26.6	27.3	25.9	36.7	37.4	51.8	280.4	2060.1	3442.9
10.8	82.5°	15.8	15.8	12.2	13.7	18.0	21.6	29.5	105.7	1210.9	2096.1
6.5	85°	11.5	10.1	6.5	6.5	8.6	10.8	11.5	32.4	491.1	827.6
2.9	87.5°	5.8	5.0	2.2	2.9	4.3	3.6	2.9	1.4	123.7	264.6
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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CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
1445.3	0°	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3	1445.3
1658.9	2.5°	1673.3	1695.6	1697.0	1697.0	1677.6	1676.9	1637.3	1633.0
1903.4	5°	1970.2	1984.6	1988.2	1981.0	1942.2	1913.4	1836.5	1820.0
2152.9	7.5°	2242.1	2270.8	2270.8	2253.6	2190.3	2131.3	2019.9	1978.2
2359.3	10°	2459.2	2492.3	2485.1	2449.9	2370.1	2288.8	2153.6	2099.0
2484.4	12.5°	2564.9	2598.7	2580.0	2539.8	2462.1	2376.5	2234.1	2172.3
2520.3	15°	2562.8	2553.4	2534.0	2529.0	2491.6	2426.9	2293.8	2226.2
2498.0	17.5°	2471.4	2392.3	2377.2	2427.6	2475.0	2459.2	2345.6	2282.3
2444.8	20°	2326.9	2188.8	2175.2	2271.5	2406.7	2475.8	2393.8	2335.5
2367.9	22.5°	2174.5	2025.6	1994.0	2100.4	2303.9	2480.8	2454.9	2396.7
2283.0	25°	2029.9	1880.4	1848.7	1948.0	2189.6	2472.2	2521.1	2471.4
2201.8	27.5°	1909.1	1764.6	1735.1	1834.3	2079.5	2447.7	2587.2	2552.0
2121.3	30°	1815.6	1681.9	1660.3	1756.0	1984.6	2417.5	2671.3	2651.9
2046.5	32.5°	1761.0	1663.2	1671.1	1749.5	1933.6	2384.4	2751.9	2761.2
2009.8	35°	1814.9	1819.2	1888.3	1920.6	1981.0	2379.4	2861.2	2897.8
2053.7	37.5°	2083.1	2232.7	2375.8	2349.2	2213.3	2437.6	3024.4	3092.7
2244.9	40°	2539.8	2846.8	3079.1	2977.7	2635.4	2616.0	3259.5	3361.6
2584.3	42.5°	3097.7	3618.4	4000.9	3729.1	3179.7	2928.0	3595.3	3725.5
2994.9	45°	3686.7	4569.7	5172.3	4607.1	3760.0	3365.2	4103.7	4205.8
3379.6	47.5°	4307.2	5725.9	6505.4	5580.7	4297.9	3862.8	4796.9	4820.6
3744.2	50°	4986.0	6993.7	7864.5	6553.6	4817.0	4433.1	5644.0	5616.6
4169.2	52.5°	5632.5	8297.3	9194.7	7530.8	5272.9	5140.6	6626.9	6570.9
4750.2	55°	6249.4	9600.3	10532.9	8469.9	5702.9	6075.4	7794.7	7455.3
5587.9	57.5°	6964.9	10771.7	11912.1	9413.3	6304.1	7289.2	9100.5	7968.7
7192.1	60°	8022.7	12102.7	13471.8	10706.2	7447.4	8564.8	9568.7	7870.9
9113.5	62.5°	9373.1	13326.5	14605.7	11973.2	8595.8	8805.0	8879.1	7117.3
8721.6	65°	9635.5	13636.4	14669.7	12311.9	8447.6	7469.0	7248.9	5720.9
7790.4	67.5°	8939.5	13076.3	13775.2	11681.3	7472.6	5772.0	5439.8	4150.5
7179.2	70°	8158.6	12008.5	12216.3	10609.1	6572.3	4245.4	3673.7	2663.4
6760.7	72.5°	7358.2	10584.0	10154.0	9213.4	5776.3	3091.3	2649.8	1893.3
6164.6	75°	6407.6	8710.8	7998.2	7655.2	4782.5	2426.1	1917.0	1306.5
5302.4	77.5°	5131.3	6131.5	5940.9	5933.8	3593.9	1772.5	1279.2	819.0
4142.6	80°	3619.8	3979.3	3882.3	4469.0	2411.0	1285.7	770.1	455.9
2883.5	82.5°	1752.4	2200.4	2258.6	2661.3	1172.8	756.5	177.6	99.2
1127.5	85°	686.0	1061.3	895.2	1010.3	329.3	210.7	4.3	0.0
185.5	87.5°	76.9	123.0	112.9	89.2	40.3	8.6	0.0	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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