

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: P953659

Luminaire Tested: **GALN-SB7A-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953659
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-SB7A-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14820 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

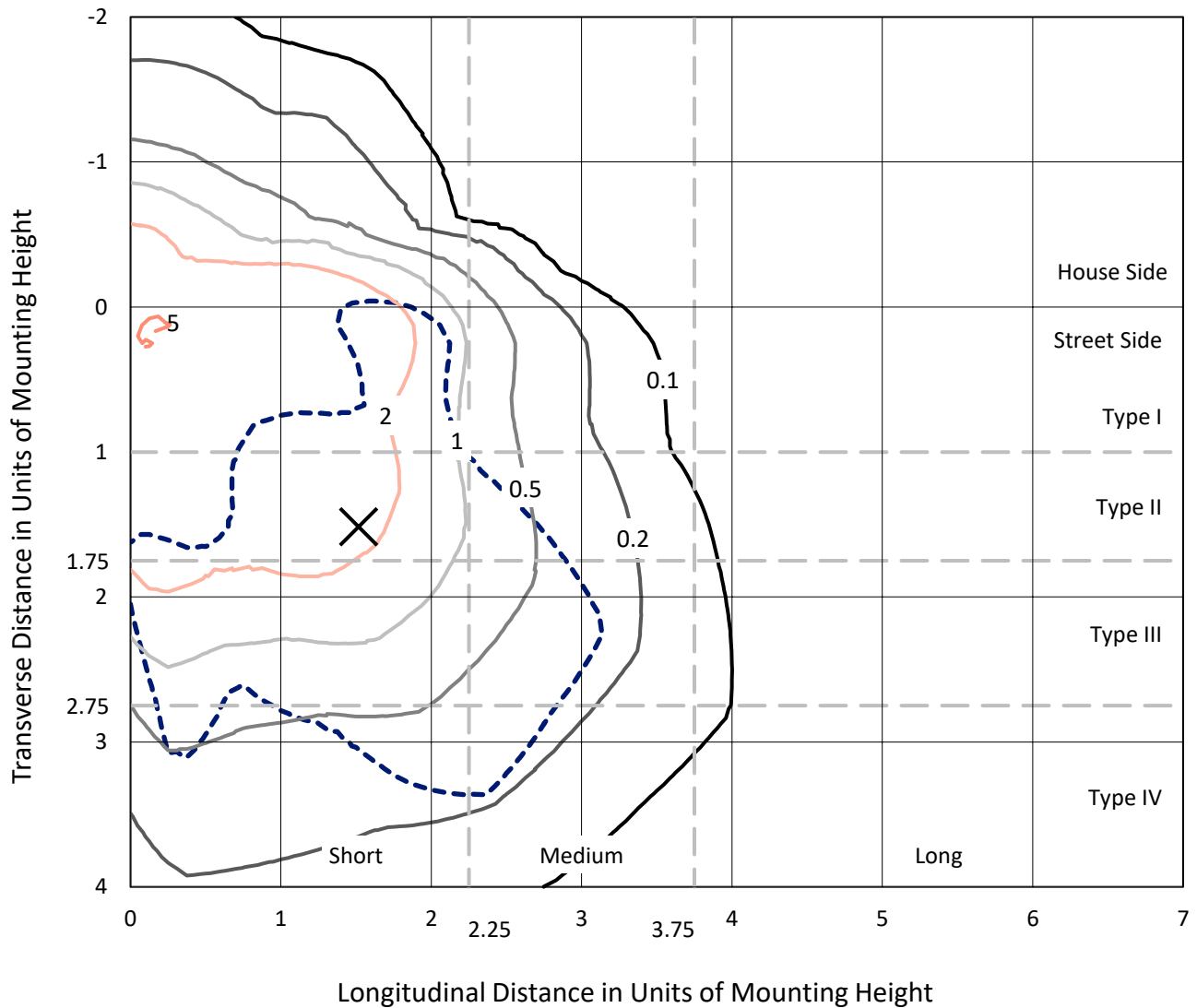
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

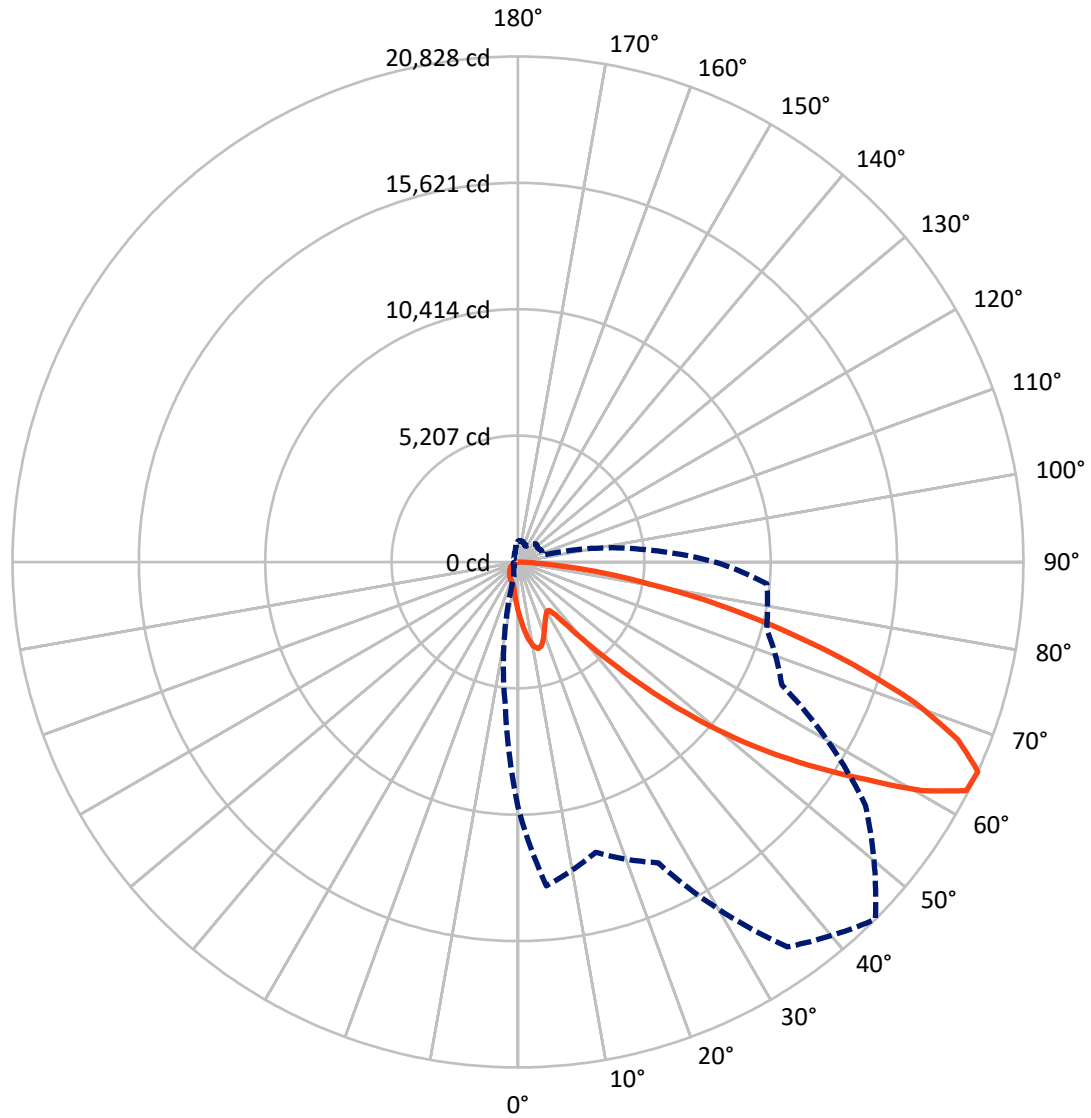
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2945.8	0.0	2945.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	11874.2	0.0	11874.2
	% Fixture	80.1	0.0	80.1
Total	Lumens	14820.0	0.0	14820.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.0	1.4
10°-20°	605.6	4.1
20°-30°	892.2	6.0
30°-40°	1146.3	7.7
40°-50°	1853.9	12.5
50°-60°	3250.9	21.9
60°-70°	4067.8	27.4
70°-80°	2377.0	16.0
80°-90°	424.1	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°	14820.0	100.0
0°-180°	14820.0	100.0



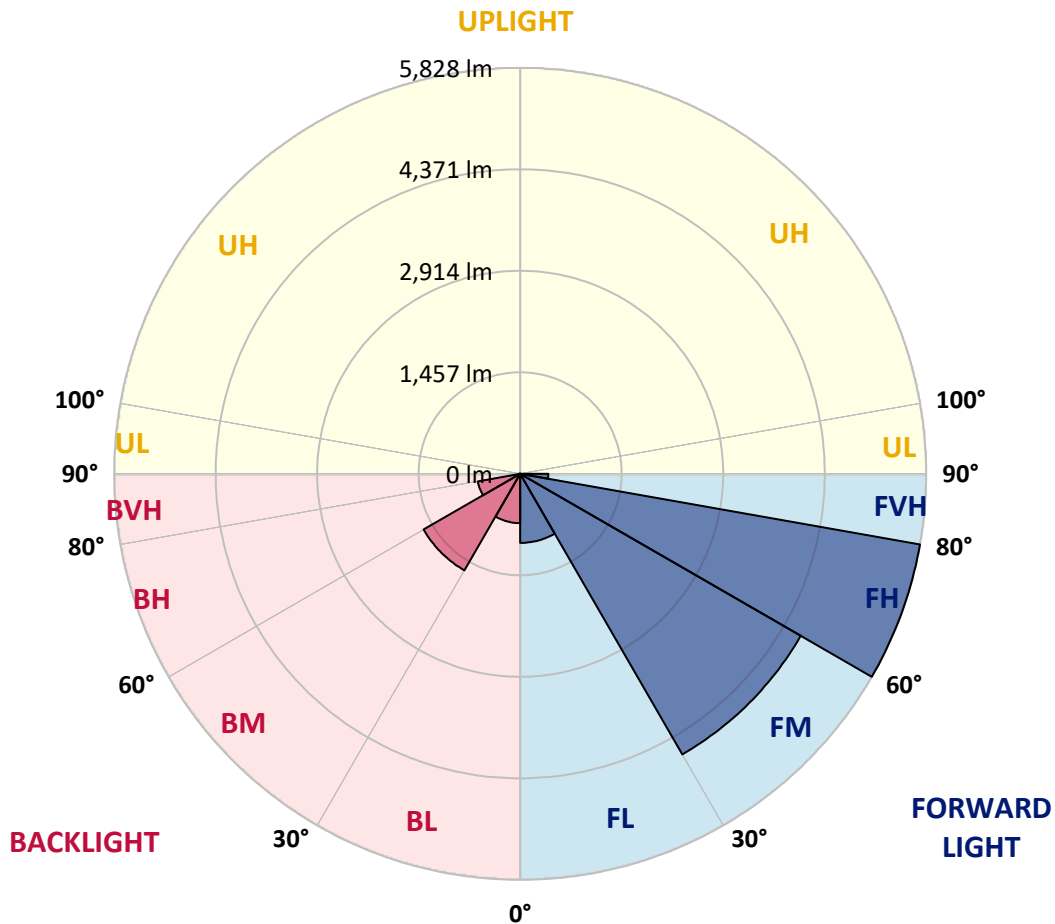
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.6	6.7			
FM (30°-60°)	4650.7	31.4			
FH (60°-80°)	5827.7	39.3			G3/7500
FVH (80°-90°)	404.2	2.7			G3/500
BL (0°-30°)	708.3	4.8	B2/1000		
BM (30°-60°)	1600.4	10.8	B2/2500		
BH (60°-80°)	617.2	4.2	B2/1000		G2/1000
BVH (80°-90°)	19.9	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°
0°	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1
2.5°	2299.2	2316.5	2355.3	2375.7	2407.4	2409.4	2409.4	2381.9	2380.8	2324.7
5°	2569.7	2610.6	2702.4	2797.4	2817.8	2822.9	2812.7	2757.6	2716.7	2607.5
7.5°	2838.2	2916.8	3056.7	3183.3	3224.1	3224.1	3199.6	3109.8	3026.1	2867.8
10°	3060.8	3159.8	3349.7	3491.6	3538.6	3528.4	3478.4	3365.0	3249.7	3057.7
12.5°	3207.8	3319.1	3527.4	3641.7	3689.7	3663.1	3606.0	3495.7	3374.2	3172.1
15°	3281.3	3397.7	3578.4	3638.6	3625.4	3597.8	3590.7	3537.6	3445.7	3256.8
17.5°	3313.0	3421.2	3546.8	3509.0	3396.7	3375.2	3446.7	3514.1	3491.6	3330.3
20°	3342.6	3433.4	3471.2	3303.8	3107.8	3088.4	3225.2	3417.1	3515.1	3398.7
22.5°	3383.4	3439.6	3362.0	3087.3	2876.0	2831.1	2982.2	3271.1	3522.3	3485.5
25°	3439.6	3454.9	3241.5	2882.1	2669.8	2624.8	2765.7	3108.8	3510.0	3579.4
27.5°	3506.9	3475.3	3126.1	2710.6	2505.4	2463.5	2604.4	2952.6	3475.3	3673.4
30°	3594.7	3501.8	3011.8	2577.9	2388.0	2357.4	2493.1	2817.8	3432.4	3792.8
32.5°	3683.6	3513.1	2905.6	2500.3	2361.4	2372.7	2484.0	2745.3	3385.4	3907.1
35°	3779.5	3548.8	2853.5	2576.9	2583.0	2681.0	2726.9	2812.7	3378.3	4062.3
37.5°	3910.2	3628.4	2915.8	2957.7	3170.0	3373.2	3335.4	3142.5	3461.0	4294.1
40°	4098.1	3768.3	3187.4	3606.0	4041.9	4371.7	4227.7	3741.8	3714.2	4627.9
42.5°	4371.7	3990.9	3669.3	4398.2	5137.4	5680.5	5294.6	4514.6	4157.3	5104.7
45°	4776.0	4351.3	4252.2	5234.4	6488.1	7343.6	6541.2	5338.5	4778.0	5826.5
47.5°	5336.5	4881.1	4798.4	6115.4	8129.8	9236.5	7923.5	6102.2	5484.5	6810.7
50°	6080.7	5594.8	5316.1	7079.2	9929.7	11166.1	9304.9	6839.3	6294.1	8013.4
52.5°	7062.9	6590.2	5919.4	7997.0	11780.7	13054.8	10692.3	7486.6	7298.7	9409.0
55°	8402.4	8087.9	6744.4	8873.0	13630.6	14954.8	12025.7	8097.1	8625.9	11067.0
57.5°	10064.5	10289.1	7933.7	9888.9	15293.7	16912.9	13365.2	8950.6	10349.3	12921.1
60°	11136.4	13216.1	10211.5	11390.7	17183.5	19127.4	15200.8	10573.9	12160.5	13585.7
62.5°	10877.1	14147.2	12939.4	13308.0	18921.1	20737.4	16999.7	12204.4	12501.4	12606.6
65°	10081.8	13395.8	12383.0	13680.6	19361.2	20828.3	17480.6	11994.0	10604.5	10292.1
67.5°	8987.4	12504.5	11060.9	12692.4	18565.9	19558.2	16585.2	10609.6	8195.1	7723.4
70°	7806.1	11518.3	10193.1	11583.6	17049.8	17344.8	15063.0	9331.4	6027.6	5216.0
72.5°	6685.1	10491.2	9598.9	10447.3	15027.3	14416.7	13081.3	8201.2	4389.0	3762.2
75°	5538.6	8976.1	8752.5	9097.6	12367.7	11356.0	10869.0	6790.3	3444.7	2721.8
77.5°	4273.7	7013.9	7528.4	7285.5	8705.6	8435.0	8424.8	5102.7	2516.6	1816.3
80°	2925.0	4888.3	5881.7	5139.4	5649.9	5512.1	6345.2	3423.2	1825.4	1093.4
82.5°	1719.3	2976.0	4094.0	2488.0	3124.1	3206.8	3778.5	1665.2	1074.0	252.2
85°	697.3	1175.1	1600.8	974.0	1506.9	1271.1	1434.4	467.6	299.1	6.1
87.5°	175.6	375.7	263.4	109.2	174.6	160.3	126.6	57.2	12.3	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2052.1	0°	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1
2318.6	2.5°	2278.7	2255.3	2197.1	2138.9	2091.9	2028.6	1986.8	1936.7	1888.7	1845.9
2584.0	5°	2519.7	2442.1	2335.9	2238.9	2139.9	2043.9	1949.0	1848.9	1757.0	1700.9
2808.6	7.5°	2715.7	2578.9	2438.0	2314.5	2195.0	2082.7	1957.1	1835.7	1691.7	1615.1
2980.1	10°	2861.7	2682.0	2497.2	2355.3	2234.8	2125.6	2019.4	1896.9	1723.4	1627.4
3084.3	12.5°	2957.7	2744.3	2527.9	2365.5	2230.8	2146.0	2099.1	2051.1	1878.5	1766.2
3160.8	15°	3024.0	2788.2	2549.3	2342.0	2176.7	2114.4	2161.3	2216.5	2106.2	1976.5
3240.5	17.5°	3096.5	2845.4	2558.5	2278.7	2071.5	2044.9	2166.4	2294.1	2289.0	2160.3
3316.0	20°	3173.1	2895.4	2552.4	2176.7	1943.9	1967.4	2122.5	2270.6	2332.9	2263.4
3402.8	22.5°	3251.7	2943.4	2528.9	2043.9	1824.4	1897.9	2053.1	2182.8	2256.3	2234.8
3509.0	25°	3350.7	3010.8	2494.2	1901.0	1725.4	1827.5	1972.5	2077.6	2128.7	2127.6
3623.3	27.5°	3469.2	3100.6	2475.8	1785.6	1654.9	1747.9	1876.5	1970.4	2006.2	2006.2
3765.2	30°	3607.0	3206.8	2455.4	1710.1	1614.1	1665.2	1765.2	1857.1	1892.8	1892.8
3920.4	32.5°	3760.1	3308.9	2406.4	1664.1	1583.5	1584.5	1647.8	1731.5	1774.4	1780.5
4114.4	35°	3943.9	3418.1	2299.2	1627.4	1547.7	1505.9	1536.5	1605.9	1657.0	1670.3
4391.1	37.5°	4184.8	3551.9	2146.0	1573.3	1492.6	1423.2	1430.3	1483.4	1539.6	1560.0
4772.9	40°	4508.5	3709.1	1986.8	1495.7	1415.0	1332.3	1329.3	1368.1	1423.2	1445.7
5289.5	42.5°	4936.3	3898.0	1834.6	1421.2	1321.1	1236.4	1231.3	1261.9	1309.9	1333.4
5971.5	45°	5483.5	4129.7	1704.0	1363.0	1229.2	1145.5	1143.5	1169.0	1210.8	1235.3
6844.4	47.5°	6244.1	4361.5	1615.1	1332.3	1156.7	1071.0	1075.1	1097.5	1135.3	1152.6
7974.6	50°	7235.4	4431.9	1570.2	1332.3	1117.9	1004.6	1025.0	1043.4	1072.0	1082.2
9329.4	52.5°	8186.9	4199.1	1529.4	1340.5	1123.0	948.5	992.4	1005.6	1030.1	1034.2
10585.1	55°	8653.5	3610.1	1473.2	1342.5	1154.7	900.5	965.8	990.3	999.5	998.5
11314.1	57.5°	8493.2	2918.9	1378.3	1334.4	1176.1	869.8	933.1	980.1	986.2	977.0
11175.2	60°	7930.7	2149.1	1305.8	1274.1	1168.0	860.7	883.1	957.6	966.8	954.6
10105.3	62.5°	6987.3	1491.6	1249.6	1141.4	1132.2	857.6	804.5	908.6	931.1	913.7
8122.6	65°	5500.8	1053.6	1076.1	1000.5	1054.6	841.3	722.8	849.4	880.1	853.5
5892.9	67.5°	3722.4	760.6	871.9	906.6	929.1	804.5	663.6	782.0	822.9	788.2
3781.6	70°	2010.2	534.0	575.8	763.7	789.2	741.2	610.5	713.6	760.6	722.8
2688.1	72.5°	1187.4	383.9	403.3	613.6	657.5	652.4	551.3	634.0	691.2	646.3
1855.1	75°	654.4	259.3	287.9	445.1	534.0	503.3	473.7	537.0	595.2	551.3
1162.9	77.5°	293.0	155.2	200.1	292.0	419.6	345.1	366.5	418.6	472.7	426.8
647.3	80°	113.3	86.8	132.7	159.3	305.3	190.9	235.8	308.3	347.1	310.4
140.9	82.5°	14.3	38.8	57.2	62.3	177.6	101.1	136.8	194.0	190.9	165.4
0.0	85°	0.0	7.1	8.2	4.1	76.6	36.8	44.9	63.3	59.2	44.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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°
2052.1	0°	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1
1837.7	2.5°	1787.7	1750.9	1732.5	1717.2	1731.5	1739.7	1739.7	1774.4	1794.8	1803.0
1665.2	5°	1575.3	1506.9	1461.0	1433.4	1442.6	1452.8	1464.0	1507.9	1537.5	1556.9
1545.7	7.5°	1407.9	1303.7	1239.4	1205.7	1210.8	1218.0	1227.2	1270.1	1299.7	1325.2
1523.2	10°	1325.2	1178.2	1093.4	1052.6	1045.4	1041.4	1038.3	1063.8	1086.3	1106.7
1615.1	12.5°	1329.3	1124.1	1020.9	970.9	949.5	925.0	905.6	909.7	924.0	949.5
1779.5	15°	1381.3	1106.7	983.2	920.9	885.2	856.6	833.1	828.0	833.1	837.2
1967.4	17.5°	1451.8	1104.7	950.5	872.9	836.2	812.7	791.2	784.1	785.1	790.2
2091.9	20°	1507.9	1098.5	913.7	827.0	794.3	773.9	752.4	745.3	747.3	748.4
2104.2	22.5°	1537.5	1089.3	872.9	781.0	753.5	733.0	713.6	712.6	712.6	718.7
2037.8	25°	1537.5	1069.9	836.2	737.1	712.6	694.2	670.8	674.8	676.9	685.1
1934.7	27.5°	1500.8	1033.2	806.5	699.3	673.8	655.4	634.0	639.1	642.2	651.4
1832.6	30°	1453.8	989.3	772.9	663.6	634.0	620.7	602.4	604.4	608.5	618.7
1737.6	32.5°	1403.8	937.2	745.3	627.9	598.3	588.1	567.6	570.7	574.8	586.0
1643.7	35°	1348.7	876.0	712.6	595.2	565.6	557.4	534.0	536.0	542.1	554.4
1542.6	37.5°	1290.5	825.9	679.9	563.6	532.9	524.8	500.3	502.3	509.5	523.7
1436.5	40°	1233.3	776.9	645.2	529.9	499.2	492.1	465.6	467.6	475.8	491.1
1329.3	42.5°	1171.0	739.2	600.3	495.2	462.5	455.3	430.8	433.9	443.1	458.4
1230.2	45°	1096.5	714.7	550.3	462.5	425.7	418.6	396.1	402.3	412.5	427.8
1145.5	47.5°	1019.9	704.5	508.4	427.8	388.0	381.8	363.5	373.7	384.9	397.1
1073.0	50°	946.4	691.2	465.6	395.1	355.3	349.2	336.9	350.2	361.4	372.6
1020.9	52.5°	862.7	662.6	426.8	366.5	327.7	325.7	319.6	331.8	342.0	352.2
976.0	55°	775.9	616.6	393.1	341.0	304.2	306.3	303.2	313.4	321.6	330.8
935.2	57.5°	700.4	558.5	366.5	313.4	283.8	289.9	285.9	291.0	296.1	307.3
886.2	60°	623.8	489.0	336.9	280.8	263.4	270.5	259.3	258.3	260.3	263.4
813.7	62.5°	520.7	416.5	300.2	252.2	240.9	244.0	222.6	206.2	206.2	209.3
712.6	65°	418.6	349.2	259.3	219.5	210.3	208.3	177.6	155.2	153.1	162.3
595.2	67.5°	344.1	289.9	218.5	182.7	176.6	178.7	156.2	133.7	131.7	141.9
484.9	70°	284.8	233.8	174.6	140.9	147.0	156.2	133.7	112.3	109.2	118.4
394.1	72.5°	226.6	182.7	133.7	104.1	121.5	132.7	109.2	88.8	86.8	94.9
304.2	75°	166.4	130.7	90.9	75.5	93.9	104.1	79.6	63.3	60.2	67.4
203.2	77.5°	103.1	73.5	57.2	44.9	64.3	69.4	41.9	36.8	35.7	40.8
123.5	80°	48.0	31.6	27.6	15.3	23.5	27.6	17.4	19.4	20.4	24.5
62.3	82.5°	13.3	5.1	1.0	0.0	0.0	8.2	4.1	8.2	10.2	15.3
5.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.1	9.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
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°
2052.1	0°	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1	2052.1
1860.2	2.5°	1903.0	1943.9	2009.2	2076.6	2143.0	2210.3	2275.7	2299.2
1645.8	5°	1726.4	1820.3	1950.0	2088.8	2231.8	2376.8	2509.5	2569.7
1424.2	7.5°	1529.4	1664.1	1859.1	2076.6	2304.3	2531.9	2741.2	2838.2
1204.7	10°	1319.1	1489.6	1712.1	2006.2	2332.9	2647.3	2935.2	3060.8
1011.8	12.5°	1119.0	1297.6	1543.7	1895.9	2310.4	2713.7	3059.8	3207.8
876.0	15°	951.5	1109.8	1375.2	1765.2	2237.9	2717.8	3119.0	3281.3
800.4	17.5°	825.9	929.1	1203.7	1620.2	2143.0	2680.0	3139.4	3313.0
759.6	20°	763.7	792.3	981.1	1434.4	2054.1	2644.2	3159.8	3342.6
726.9	22.5°	726.9	734.1	802.5	1194.5	1948.0	2633.0	3195.6	3383.4
697.3	25°	697.3	699.3	717.7	946.4	1785.6	2625.9	3250.7	3439.6
666.7	27.5°	667.7	667.7	677.9	762.6	1565.1	2595.2	3322.1	3506.9
636.0	30°	638.1	638.1	645.2	674.8	1306.8	2535.0	3407.9	3594.7
605.4	32.5°	607.5	607.5	613.6	635.0	1043.4	2459.5	3486.5	3683.6
573.8	35°	576.8	574.8	583.0	605.4	830.0	2363.5	3565.1	3779.5
542.1	37.5°	544.2	543.1	551.3	576.8	716.7	2252.2	3624.3	3910.2
510.5	40°	509.5	509.5	518.6	546.2	684.0	2112.3	3718.3	4098.1
477.8	42.5°	477.8	475.8	486.0	519.7	659.5	1978.6	3886.7	4371.7
448.2	45°	447.2	443.1	452.3	494.1	616.6	1931.6	4201.2	4776.0
419.6	47.5°	418.6	408.4	416.5	463.5	577.9	2107.2	4715.7	5336.5
394.1	50°	395.1	375.7	382.9	432.9	548.2	2488.0	5383.4	6080.7
370.6	52.5°	370.6	345.1	349.2	395.1	521.7	2850.5	6107.3	7062.9
347.1	55°	345.1	316.5	318.5	357.3	483.9	2904.6	6813.8	8402.4
320.6	57.5°	316.5	289.9	289.9	322.6	456.4	2517.6	7356.9	10064.5
287.9	60°	284.8	267.5	262.4	295.1	480.9	1776.4	7420.2	11136.4
246.0	62.5°	250.1	240.9	233.8	268.5	499.2	1052.6	6910.8	10877.1
194.0	65°	210.3	208.3	203.2	295.1	420.6	621.8	5932.7	10081.8
165.4	67.5°	176.6	173.6	173.6	309.3	319.6	391.0	4635.1	8987.4
140.9	70°	152.1	140.9	140.9	233.8	194.0	270.5	3236.4	7806.1
116.4	72.5°	127.6	115.4	107.2	186.8	145.0	198.1	2022.5	6685.1
88.8	75°	102.1	92.9	82.7	123.5	108.2	150.1	1175.1	5538.6
56.2	77.5°	73.5	69.4	58.2	90.9	78.6	108.2	699.3	4273.7
34.7	80°	37.8	38.8	36.8	52.1	53.1	73.5	398.2	2925.0
22.5	82.5°	22.5	17.4	19.4	25.5	30.6	41.9	150.1	1719.3
16.3	85°	14.3	9.2	9.2	12.3	15.3	16.3	45.9	697.3
8.2	87.5°	7.1	3.1	4.1	6.1	5.1	4.1	2.0	175.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)