

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: P954459

Luminaire Tested: **GALN-SB7C-950-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954459
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-SB7C-950-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 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: 28277 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

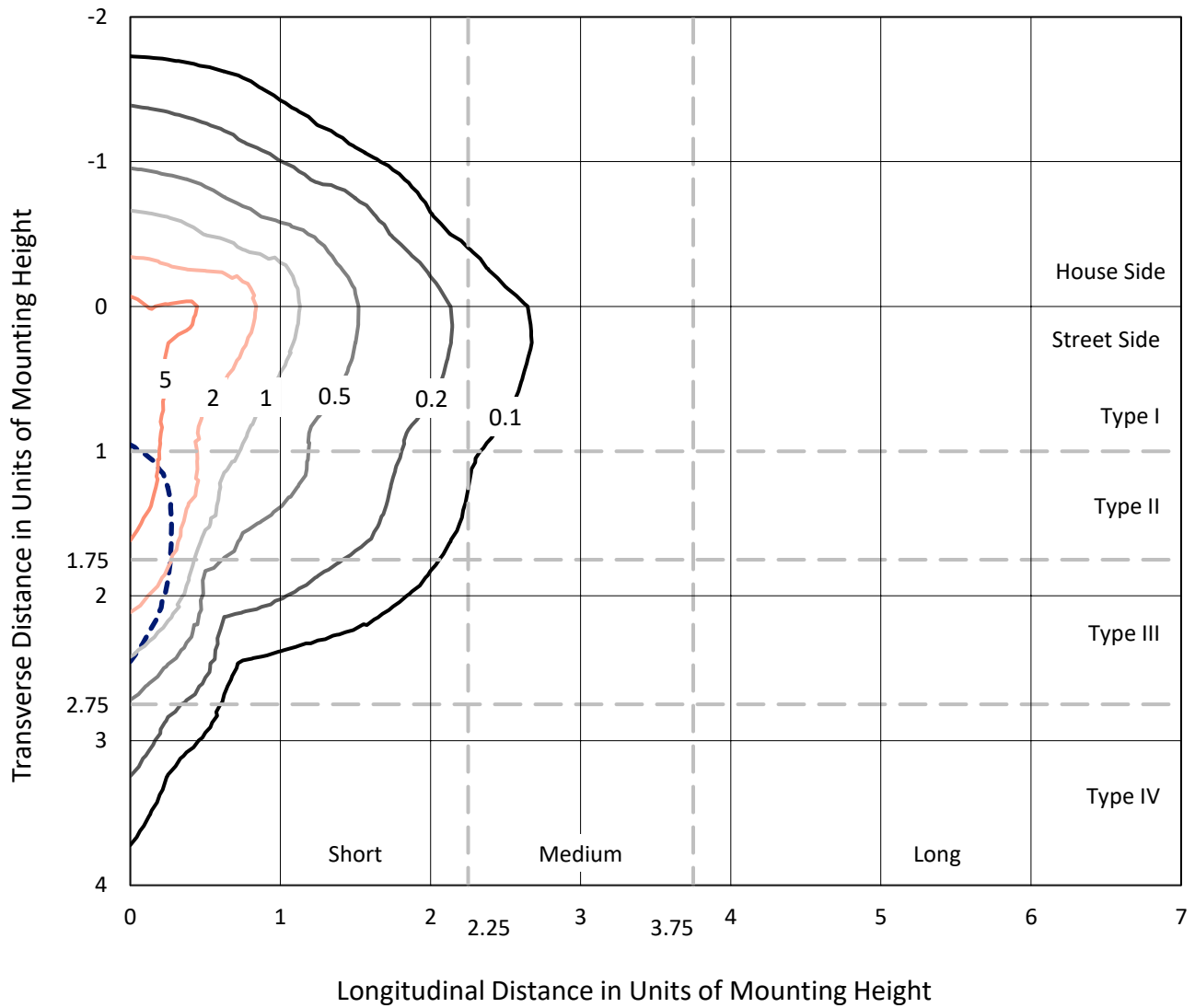
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

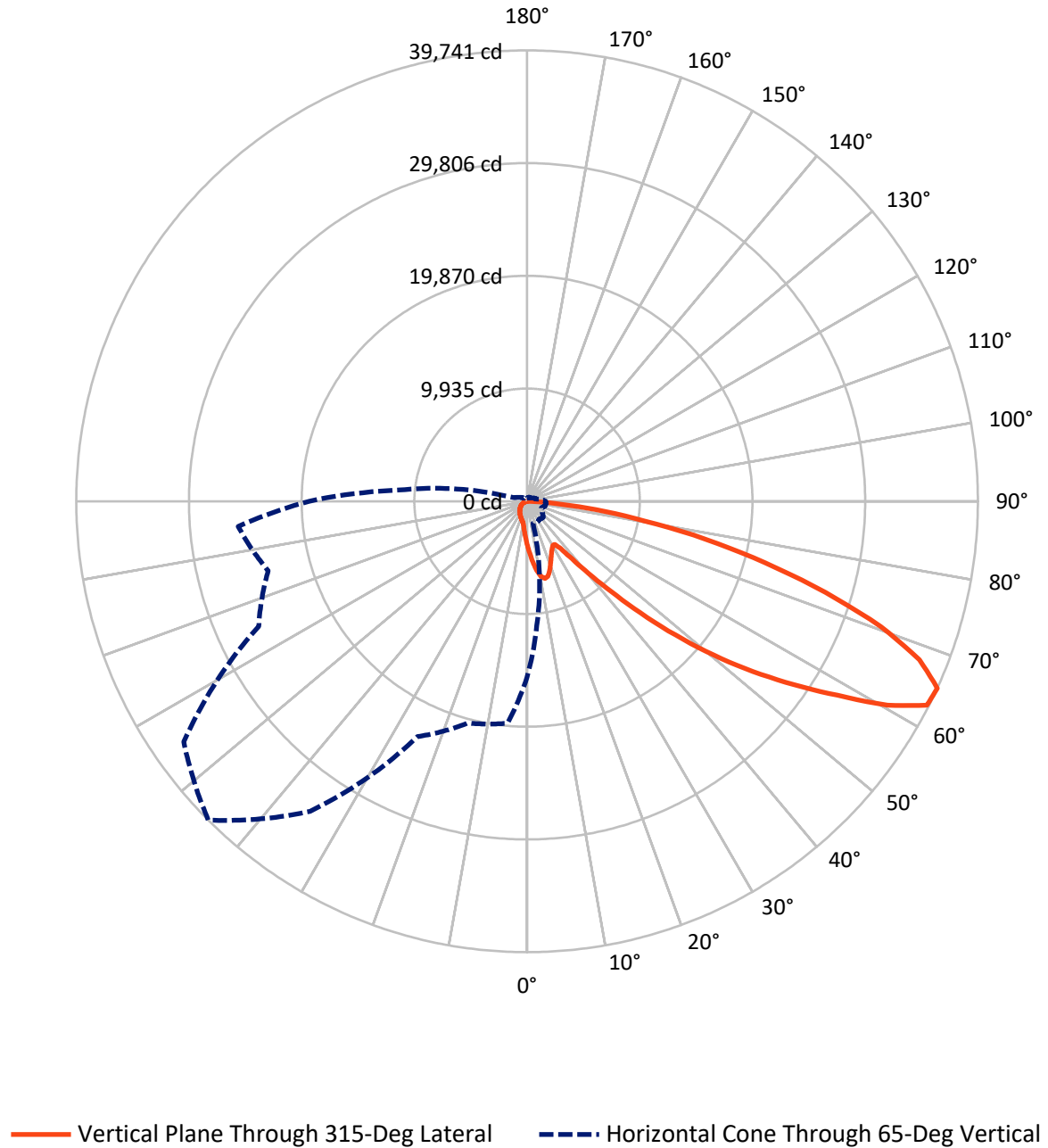
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	3960.0	0.0	3960.0
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	24317.0	0.0	24317.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	28277.0	0.0	28277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.5	1.4
10°-20°	1155.6	4.1
20°-30°	1702.4	6.0
30°-40°	2187.1	7.7
40°-50°	3537.3	12.5
50°-60°	6202.9	21.9
60°-70°	7761.5	27.4
70°-80°	4535.5	16.0
80°-90°	809.2	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°	28277.0	100.0
0°-180°	28277.0	100.0

Coefficient of Utilization



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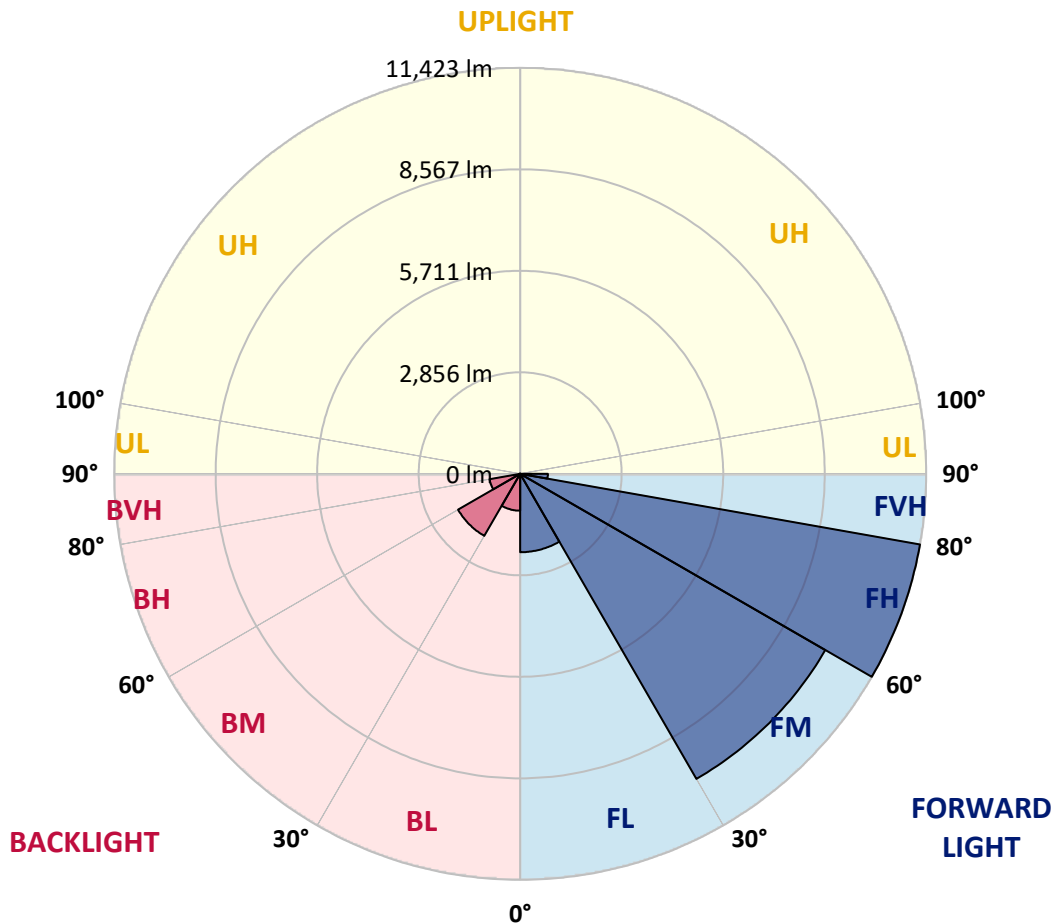
CATALOG NUMBER: GALN-SB7C-950-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2205.5	7.8			
FM (30°-60°)	9910.8	35.0			
FH (60°-80°)	11422.6	40.4			G4/12000
FVH (80°-90°)	778.1	2.8			G5
BL (0°-30°)	1038.0	3.7	B3/2500		
BM (30°-60°)	2016.5	7.1	B2/2500		
BH (60°-80°)	874.4	3.1	B2/1000		G2/1000
BVH (80°-90°)	31.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5
2.5°	4423.9	4347.9	4303.1	4192.1	4081.0	3991.4	3870.7	3790.8	3695.3	3603.8
5°	4930.4	4807.6	4659.6	4457.0	4271.9	4083.0	3899.9	3718.7	3527.8	3352.5
7.5°	5358.9	5181.7	4920.6	4651.8	4416.1	4188.2	3973.9	3734.3	3502.5	3227.8
10°	5686.2	5460.2	5117.4	4764.8	4494.0	4264.1	4055.7	3853.1	3619.4	3288.2
12.5°	5884.9	5643.3	5236.2	4823.2	4513.5	4256.4	4094.7	4005.1	3913.5	3584.3
15°	6031.0	5769.9	5320.0	4864.1	4468.7	4153.1	4034.3	4123.9	4229.1	4018.7
17.5°	6182.9	5908.3	5429.0	4881.7	4347.9	3952.5	3901.8	4133.6	4377.1	4367.4
20°	6327.1	6054.4	5524.5	4870.0	4153.1	3709.0	3753.8	4049.9	4332.3	4451.2
22.5°	6492.7	6204.3	5616.1	4825.2	3899.9	3481.1	3621.3	3917.4	4164.8	4305.1
25°	6695.2	6393.3	5744.6	4758.9	3627.2	3292.1	3486.9	3763.5	3964.2	4061.6
27.5°	6913.4	6619.3	5916.0	4723.9	3407.0	3157.7	3335.0	3580.4	3759.6	3827.8
30°	7184.2	6882.2	6118.6	4684.9	3262.9	3079.8	3177.2	3368.1	3543.4	3611.6
32.5°	7480.3	7174.4	6313.4	4591.4	3175.2	3021.3	3023.3	3144.1	3303.8	3385.6
35°	7850.4	7525.1	6521.9	4386.9	3105.1	2953.2	2873.3	2931.7	3064.2	3161.6
37.5°	8378.3	7984.8	6777.1	4094.7	3001.9	2848.0	2715.5	2729.1	2830.4	2937.6
40°	9106.9	8602.3	7077.0	3790.8	2853.8	2699.9	2542.1	2536.3	2610.3	2715.5
42.5°	10092.5	9418.5	7437.4	3500.5	2711.6	2520.7	2359.0	2349.3	2407.7	2499.3
45°	11393.8	10462.7	7879.6	3251.2	2600.6	2345.4	2185.6	2181.7	2230.4	2310.3
47.5°	13059.3	11913.9	8321.8	3081.7	2542.1	2207.1	2043.4	2051.2	2094.1	2166.2
50°	15215.7	13805.4	8456.2	2996.0	2542.1	2133.0	1916.8	1955.8	1990.8	2045.4
52.5°	17800.7	15620.9	8012.1	2918.1	2557.7	2142.8	1809.7	1893.4	1918.8	1965.5
55°	20196.8	16511.2	6888.1	2810.9	2561.6	2203.2	1718.1	1842.8	1889.6	1907.1
57.5°	21587.6	16205.3	5569.3	2629.8	2546.0	2244.1	1659.7	1780.5	1870.1	1881.8
60°	21322.7	15132.0	4100.5	2491.5	2431.1	2228.5	1642.2	1685.0	1827.2	1844.7
62.5°	19281.2	13332.0	2846.0	2384.3	2177.9	2160.3	1636.3	1535.0	1733.7	1776.6
65°	15498.2	10495.8	2010.3	2053.2	1909.0	2012.3	1605.1	1379.2	1620.7	1679.2
67.5°	11243.8	7102.4	1451.3	1663.6	1729.8	1772.7	1535.0	1266.2	1492.2	1570.1
70°	7215.4	3835.6	1018.8	1098.7	1457.1	1505.8	1414.2	1164.9	1361.6	1451.3
72.5°	5129.1	2265.5	732.4	769.5	1170.7	1254.5	1244.8	1051.9	1209.7	1318.8
75°	3539.5	1248.7	494.8	549.3	849.3	1018.8	960.4	903.9	1024.6	1135.7
77.5°	2218.8	559.1	296.1	381.8	557.1	800.6	658.4	699.3	798.7	901.9
80°	1235.0	216.2	165.6	253.2	303.9	582.4	364.3	450.0	588.3	662.3
82.5°	268.8	27.3	74.0	109.1	118.8	339.0	192.9	261.0	370.1	364.3
85°	0.0	0.0	13.6	15.6	7.8	146.1	70.1	85.7	120.8	113.0
87.5°	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

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3915.5	0°	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5
3522.0	2.5°	3506.4	3410.9	3340.8	3305.7	3276.5	3303.8	3319.4	3319.4	3385.6	3424.6
3245.4	5°	3177.2	3005.7	2875.2	2787.6	2735.0	2752.5	2772.0	2793.4	2877.2	2933.7
3081.7	7.5°	2949.3	2686.3	2487.6	2364.9	2300.6	2310.3	2324.0	2341.5	2423.3	2479.8
3105.1	10°	2906.4	2528.5	2248.0	2086.3	2008.4	1994.7	1986.9	1981.1	2029.8	2072.7
3370.0	12.5°	3081.7	2536.3	2144.7	1948.0	1852.5	1811.6	1764.9	1727.9	1735.7	1762.9
3771.3	15°	3395.3	2635.6	2111.6	1875.9	1757.1	1688.9	1634.4	1589.6	1579.8	1589.6
4121.9	17.5°	3753.8	2770.0	2107.7	1813.6	1665.5	1595.4	1550.6	1509.7	1496.1	1498.0
4318.7	20°	3991.4	2877.2	2096.0	1743.5	1577.9	1515.5	1476.6	1435.7	1422.0	1425.9
4264.1	22.5°	4014.8	2933.7	2078.5	1665.5	1490.2	1437.6	1398.7	1361.6	1359.7	1359.7
4059.6	25°	3888.2	2933.7	2041.5	1595.4	1406.4	1359.7	1324.6	1279.8	1287.6	1291.5
3827.8	27.5°	3691.4	2863.5	1971.4	1538.9	1334.4	1285.7	1250.6	1209.7	1219.4	1225.3
3611.6	30°	3496.6	2773.9	1887.6	1474.6	1266.2	1209.7	1184.4	1149.3	1153.2	1161.0
3397.3	32.5°	3315.5	2678.5	1788.3	1422.0	1198.0	1141.5	1122.0	1083.1	1088.9	1096.7
3186.9	35°	3136.3	2573.3	1671.4	1359.7	1135.7	1079.2	1063.6	1018.8	1022.7	1034.4
2976.5	37.5°	2943.4	2462.3	1575.9	1297.4	1075.3	1016.9	1001.3	954.5	958.4	972.0
2758.4	40°	2740.8	2353.2	1482.4	1231.1	1011.0	952.6	938.9	888.3	892.2	907.8
2544.1	42.5°	2536.3	2234.3	1410.3	1145.4	944.8	882.4	868.8	822.1	827.9	845.4
2357.1	45°	2347.3	2092.1	1363.6	1050.0	882.4	812.3	798.7	755.8	767.5	787.0
2199.3	47.5°	2185.6	1946.0	1344.1	970.1	816.2	740.2	728.5	693.5	713.0	734.4
2064.9	50°	2047.3	1805.8	1318.8	888.3	753.9	677.9	666.2	642.8	668.2	689.6
1973.3	52.5°	1948.0	1646.1	1264.2	814.3	699.3	625.3	621.4	609.7	633.1	652.6
1905.1	55°	1862.3	1480.5	1176.6	750.0	650.6	580.5	584.4	578.6	598.0	613.6
1864.2	57.5°	1784.4	1336.3	1065.6	699.3	598.0	541.5	553.2	545.4	555.2	564.9
1821.4	60°	1690.9	1190.2	933.1	642.8	535.7	502.6	516.2	494.8	492.8	496.7
1743.5	62.5°	1552.5	993.5	794.8	572.7	481.2	459.7	465.6	424.7	393.5	393.5
1628.5	65°	1359.7	798.7	666.2	494.8	418.8	401.3	397.4	339.0	296.1	292.2
1503.8	67.5°	1135.7	656.5	553.2	416.9	348.7	337.0	340.9	298.0	255.2	251.3
1379.2	70°	925.3	543.5	446.1	333.1	268.8	280.5	298.0	255.2	214.3	208.4
1233.1	72.5°	751.9	432.5	348.7	255.2	198.7	231.8	253.2	208.4	169.5	165.6
1051.9	75°	580.5	317.5	249.3	173.4	144.2	179.2	198.7	151.9	120.8	114.9
814.3	77.5°	387.6	196.7	140.3	109.1	85.7	122.7	132.5	79.9	70.1	68.2
592.2	80°	235.7	91.6	60.4	52.6	29.2	44.8	52.6	33.1	37.0	39.0
315.6	82.5°	118.8	25.3	9.7	1.9	0.0	0.0	15.6	7.8	15.6	19.5
85.7	85°	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.7
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°
3915.5	0°	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5
3440.2	2.5°	3549.2	3631.1	3709.0	3833.6	3962.2	4088.8	4217.4	4342.1	4386.9	4420.0
2970.7	5°	3140.2	3294.1	3473.3	3720.7	3985.6	4258.3	4534.9	4788.2	4903.1	4981.0
2528.5	7.5°	2717.4	2918.1	3175.2	3547.3	3962.2	4396.6	4831.0	5230.4	5415.4	5565.4
2111.6	10°	2298.6	2516.8	2842.1	3266.8	3827.8	4451.2	5051.1	5600.5	5840.1	6029.0
1811.6	12.5°	1930.5	2135.0	2475.9	2945.4	3617.4	4408.3	5177.8	5838.1	6120.6	6332.9
1597.4	15°	1671.4	1815.5	2117.5	2623.9	3368.1	4270.0	5185.5	5951.1	6260.8	6482.9
1507.7	17.5°	1527.2	1575.9	1772.7	2296.7	3091.5	4088.8	5113.5	5990.1	6321.2	6527.7
1427.9	20°	1449.3	1457.1	1511.6	1872.0	2736.9	3919.4	5045.3	6029.0	6377.7	6551.1
1371.4	22.5°	1387.0	1387.0	1400.6	1531.1	2279.1	3716.8	5023.9	6097.2	6455.6	6562.8
1307.1	25°	1330.5	1330.5	1334.4	1369.4	1805.8	3407.0	5010.2	6202.4	6562.8	6592.0
1242.8	27.5°	1272.0	1274.0	1274.0	1293.5	1455.1	2986.3	4951.8	6338.8	6691.3	6631.0
1180.5	30°	1213.6	1217.5	1217.5	1231.1	1287.6	2493.4	4836.9	6502.4	6858.9	6681.6
1118.1	32.5°	1155.2	1159.1	1159.1	1170.7	1211.6	1990.8	4692.7	6652.4	7028.3	6703.0
1057.8	35°	1094.8	1100.6	1096.7	1112.3	1155.2	1583.7	4509.6	6802.4	7211.5	6771.2
999.3	37.5°	1034.4	1038.3	1036.3	1051.9	1100.6	1367.5	4297.3	6915.4	7460.8	6923.2
937.0	40°	974.0	972.0	972.0	989.6	1042.2	1305.2	4030.4	7094.6	7819.2	7190.0
874.6	42.5°	911.7	911.7	907.8	927.2	991.5	1258.4	3775.2	7416.0	8341.3	7614.7
816.2	45°	855.2	853.2	845.4	863.0	942.8	1176.6	3685.6	8016.0	9112.7	8302.3
757.8	47.5°	800.6	798.7	779.2	794.8	884.4	1102.6	4020.7	8997.8	10182.1	9313.3
711.0	50°	751.9	753.9	716.9	730.5	825.9	1046.1	4747.3	10271.8	11602.2	10675.0
672.1	52.5°	707.1	707.1	658.4	666.2	753.9	995.4	5438.8	11652.9	13476.2	12574.3
631.1	55°	662.3	658.4	603.9	607.8	681.8	923.3	5542.0	13000.9	16032.0	15432.0
586.3	57.5°	611.7	603.9	553.2	553.2	615.6	870.8	4803.7	14037.2	19203.3	19631.8
502.6	60°	549.3	543.5	510.4	500.6	563.0	917.5	3389.5	14158.0	21248.7	25216.7
399.3	62.5°	469.5	477.3	459.7	446.1	512.3	952.6	2008.4	13185.9	20753.9	26993.3
309.7	65°	370.1	401.3	397.4	387.6	563.0	802.6	1186.3	11319.8	19236.4	25559.6
270.8	67.5°	315.6	337.0	331.2	331.2	590.2	609.7	746.1	8843.9	17148.2	23859.0
226.0	70°	268.8	290.3	268.8	268.8	446.1	370.1	516.2	6175.1	14894.3	21977.2
181.2	72.5°	222.1	243.5	220.1	204.5	356.5	276.6	377.9	3859.0	12755.4	20017.5
128.6	75°	169.5	194.8	177.3	157.8	235.7	206.5	286.4	2242.1	10567.8	17126.7
77.9	77.5°	107.1	140.3	132.5	111.0	173.4	150.0	206.5	1334.4	8154.3	13382.7
46.8	80°	66.2	72.1	74.0	70.1	99.3	101.3	140.3	759.7	5581.0	9327.0
29.2	82.5°	42.9	42.9	33.1	37.0	48.7	58.4	79.9	286.4	3280.4	5678.4
17.5	85°	31.2	27.3	17.5	17.5	23.4	29.2	31.2	87.7	1330.5	2242.1
7.8	87.5°	15.6	13.6	5.8	7.8	11.7	9.7	7.8	3.9	335.1	716.9
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°
3915.5	0°	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5	3915.5
4494.0	2.5°	4533.0	4593.4	4597.3	4597.3	4544.7	4542.7	4435.6	4423.9
5156.3	5°	5337.5	5376.5	5386.2	5366.7	5261.5	5183.6	4975.2	4930.4
5832.3	7.5°	6073.8	6151.8	6151.8	6105.0	5933.6	5773.8	5471.9	5358.9
6391.4	10°	6662.1	6751.7	6732.3	6636.8	6420.6	6200.5	5834.2	5686.2
6730.3	12.5°	6948.5	7040.0	6989.4	6880.3	6669.9	6438.1	6052.4	5884.9
6827.7	15°	6942.6	6917.3	6864.7	6851.1	6749.8	6574.5	6214.1	6031.0
6767.3	17.5°	6695.2	6481.0	6440.1	6576.4	6705.0	6662.1	6354.3	6182.9
6623.2	20°	6303.7	5929.7	5892.7	6153.7	6519.9	6706.9	6484.9	6327.1
6414.7	22.5°	5890.7	5487.5	5401.8	5690.1	6241.4	6720.6	6650.4	6492.7
6184.9	25°	5499.2	5094.0	5008.3	5277.1	5931.6	6697.2	6829.7	6695.2
5964.7	27.5°	5171.9	4780.4	4700.5	4969.3	5633.6	6631.0	7008.9	6913.4
5746.6	30°	4918.7	4556.3	4497.9	4757.0	5376.5	6549.1	7236.8	7184.2
5544.0	32.5°	4770.6	4505.7	4527.1	4739.5	5238.1	6459.5	7455.0	7480.3
5444.6	35°	4916.7	4928.4	5115.4	5203.1	5366.7	6445.9	7751.1	7850.4
5563.5	37.5°	5643.3	6048.5	6436.2	6364.1	5995.9	6603.7	8193.2	8378.3
6081.6	40°	6880.3	7712.1	8341.3	8066.6	7139.4	7086.8	8830.2	9106.9
7001.1	42.5°	8391.9	9802.3	10838.6	10102.3	8614.0	7932.2	9739.9	10092.5
8113.4	45°	9987.3	12379.5	14011.9	12480.8	10186.0	9116.6	11117.2	11393.8
9155.6	47.5°	11668.5	15511.8	17623.5	15118.3	11643.1	10464.6	12995.0	13059.3
10143.2	50°	13507.4	18946.1	21305.2	17754.0	13049.6	12009.4	15289.8	15215.7
11294.4	52.5°	15258.6	22477.9	24908.9	20401.3	14284.6	13926.2	17952.7	17800.7
12868.4	55°	16930.0	26007.6	28534.2	22945.4	15449.5	16458.6	21116.2	20196.8
15137.8	57.5°	18868.2	29180.9	32270.4	25501.1	17078.0	19746.8	24653.8	21587.6
19483.8	60°	21733.7	32786.6	36495.6	29003.6	20175.3	23202.5	25921.9	21322.7
24688.8	62.5°	25392.0	36102.1	39567.6	32436.0	23286.3	23853.1	24053.8	19281.2
23627.2	65°	26103.1	36941.7	39740.9	33353.5	22885.0	20233.8	19637.7	15498.2
21104.5	67.5°	24217.4	35424.2	37317.6	31645.1	20243.5	15636.5	14736.5	11243.8
19448.7	70°	22101.9	32531.4	33094.4	28740.6	17804.6	11500.9	9952.3	7215.4
18315.0	72.5°	19933.8	28672.5	27507.6	24959.6	15648.2	8374.4	7178.3	5129.1
16700.1	75°	17358.5	23597.9	21667.5	20738.3	12956.1	6572.5	5193.3	3539.5
14364.5	77.5°	13900.9	16610.5	16094.3	16074.8	9736.1	4801.8	3465.5	2218.8
11222.4	80°	9806.2	10780.2	10517.2	12106.8	6531.6	3483.0	2086.3	1235.0
7811.4	82.5°	4747.3	5960.8	6118.6	7209.5	3177.2	2049.3	481.2	268.8
3054.4	85°	1858.4	2875.2	2425.2	2736.9	892.2	570.8	11.7	0.0
502.6	87.5°	208.4	333.1	305.8	241.6	109.1	23.4	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)