

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: P954079

Luminaire Tested: **GALN-SB7B-940-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954079
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-SB7B-940-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 450mA 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: 22147 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

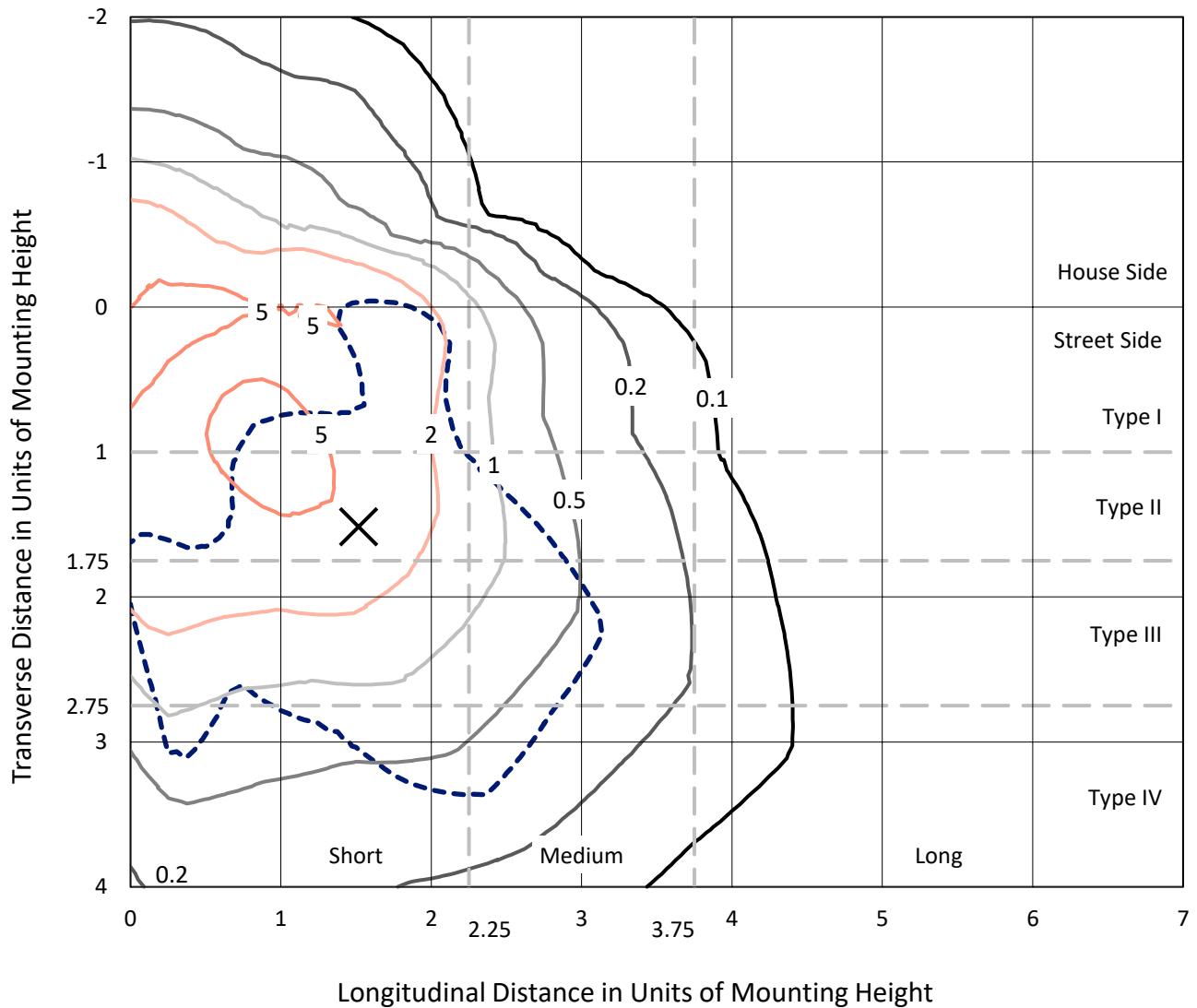
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

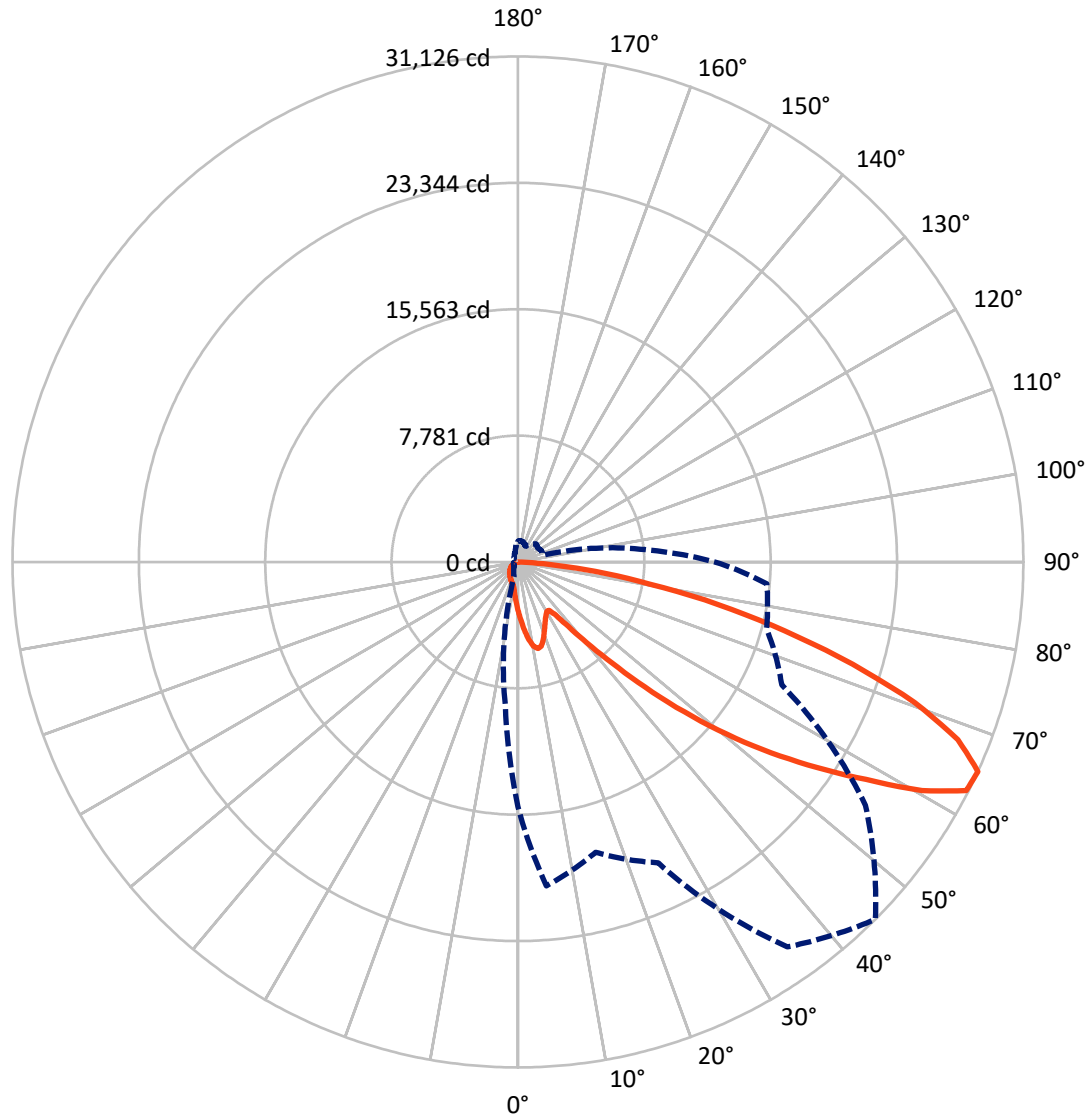
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	4402.1	0.0	4402.1
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	17744.9	0.0	17744.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	22147.0	0.0	22147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.9	1.4
10°-20°	905.1	4.1
20°-30°	1333.4	6.0
30°-40°	1713.0	7.7
40°-50°	2770.4	12.5
50°-60°	4858.2	21.9
60°-70°	6079.0	27.4
70°-80°	3552.3	16.0
80°-90°	633.8	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°	22147.0	100.0
0°-180°	22147.0	100.0

Coefficient of Utilization



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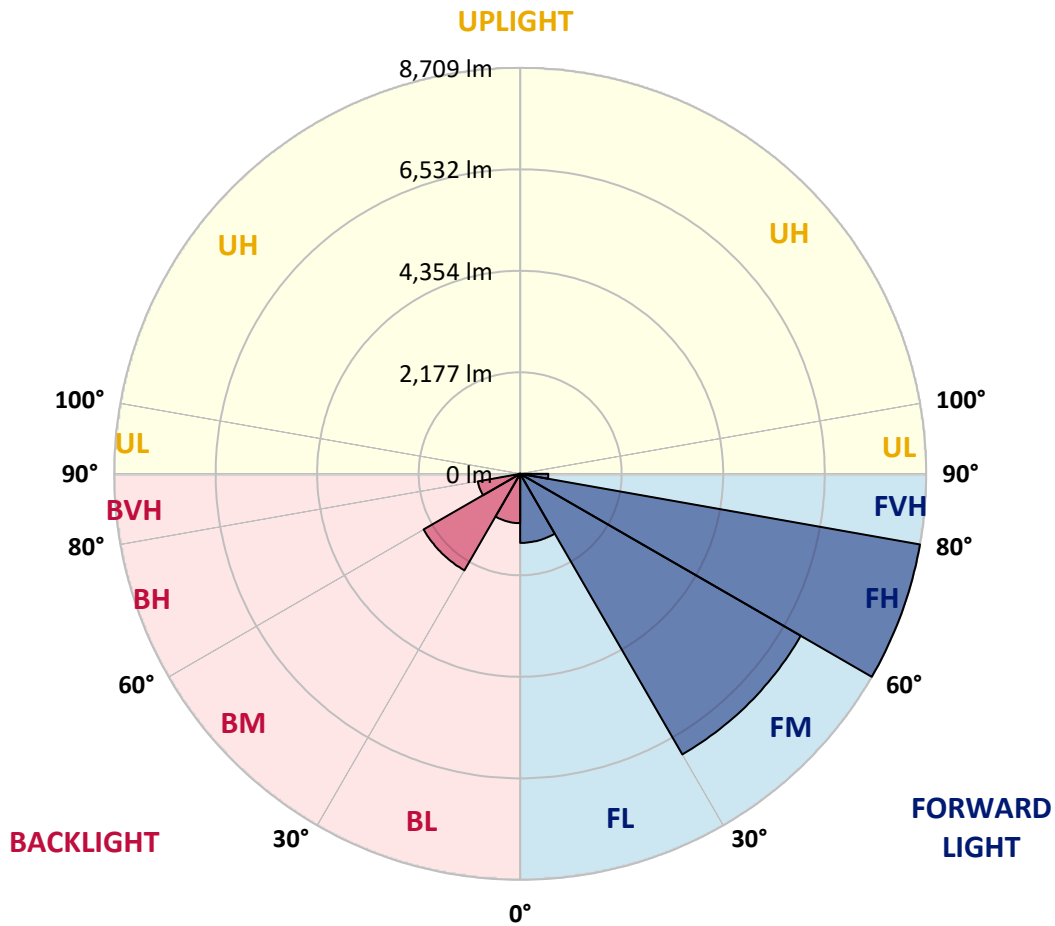
CATALOG NUMBER: GALN-SB7B-940-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1481.9	6.7			
FM (30°-60°)	6950.0	31.4			
FH (60°-80°)	8708.9	39.3			G4/12000
FVH (80°-90°)	604.1	2.7			G4/750
BL (0°-30°)	1058.5	4.8	B3/2500		
BM (30°-60°)	2391.7	10.8	B2/2500		
BH (60°-80°)	922.3	4.2	B2/1000		G2/1000
BVH (80°-90°)	29.7	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7
2.5°	3435.9	3461.8	3519.8	3550.3	3597.6	3600.6	3600.6	3559.5	3557.9	3474.0
5°	3840.2	3901.2	4038.5	4180.4	4210.9	4218.6	4203.3	4120.9	4059.9	3896.6
7.5°	4241.4	4358.9	4567.9	4757.1	4818.2	4818.2	4781.5	4647.3	4522.2	4285.7
10°	4574.0	4722.0	5005.8	5217.9	5288.1	5272.8	5198.0	5028.7	4856.3	4569.5
12.5°	4793.7	4960.0	5271.3	5442.2	5513.9	5474.2	5388.8	5224.0	5042.4	4740.3
15°	4903.6	5077.5	5347.6	5437.6	5417.7	5376.6	5365.9	5286.5	5149.2	4867.0
17.5°	4950.9	5112.6	5300.3	5243.8	5076.0	5044.0	5150.8	5251.4	5217.9	4976.8
20°	4995.1	5130.9	5187.4	4937.2	4644.2	4615.2	4819.7	5106.5	5253.0	5079.0
22.5°	5056.2	5140.1	5024.1	4613.7	4297.9	4230.8	4456.6	4888.3	5263.7	5208.7
25°	5140.1	5163.0	4844.1	4307.0	3989.7	3922.6	4133.1	4645.7	5245.3	5349.1
27.5°	5240.8	5193.5	4671.7	4050.7	3744.1	3681.5	3892.1	4412.3	5193.5	5489.5
30°	5372.0	5233.1	4500.8	3852.4	3568.6	3522.8	3725.8	4210.9	5129.4	5668.0
32.5°	5504.7	5249.9	4342.1	3736.4	3528.9	3545.7	3712.0	4102.6	5059.2	5838.8
35°	5648.1	5303.3	4264.3	3850.9	3860.0	4006.5	4075.1	4203.3	5048.5	6070.7
37.5°	5843.4	5422.3	4357.4	4419.9	4737.3	5040.9	4984.5	4696.1	5172.1	6417.1
40°	6124.1	5631.3	4763.2	5388.8	6040.2	6533.0	6317.9	5591.7	5550.5	6916.0
42.5°	6533.0	5963.9	5483.4	6572.7	7677.3	8489.0	7912.3	6746.6	6212.6	7628.5
45°	7137.2	6502.5	6354.5	7822.2	9695.8	10974.3	9775.1	7977.9	7140.3	8707.2
47.5°	7974.8	7294.4	7170.8	9138.9	12149.1	13803.0	11840.9	9119.1	8196.0	10177.9
50°	9087.1	8360.8	7944.3	10579.2	14838.9	16686.5	13905.2	10220.6	9405.9	11975.2
52.5°	10554.8	9848.4	8846.0	11950.8	17605.0	19509.1	15978.6	11187.9	10907.2	14060.8
55°	12556.5	12086.6	10078.8	13259.8	20369.6	22348.4	17971.2	12100.3	12890.6	16538.6
57.5°	15040.3	15376.0	11856.2	14777.9	22854.9	25274.7	19972.9	13375.8	15466.0	19309.2
60°	16642.3	19750.1	15260.0	17022.2	25679.0	28583.9	22716.1	15801.6	18172.6	20302.4
62.5°	16254.8	21141.6	19336.7	19887.5	28275.7	30990.0	25404.4	18238.2	18682.2	18839.3
65°	15066.3	20018.7	18505.2	20444.3	28933.3	31125.7	26123.0	17923.9	15847.4	15380.6
67.5°	13430.7	18686.7	16529.4	18967.5	27744.8	29227.8	24784.9	15855.0	12246.8	11541.9
70°	11665.5	17212.9	15232.6	17310.6	25479.1	25920.1	22510.1	13944.9	9007.7	7794.8
72.5°	9990.3	15678.1	14344.6	15612.5	22456.7	21544.4	19548.8	12255.9	6559.0	5622.2
75°	8276.9	13413.9	13079.8	13595.5	18482.3	16970.3	16242.6	10147.4	5147.7	4067.5
77.5°	6386.6	10481.5	11250.5	10887.4	13009.6	12605.3	12590.1	7625.4	3760.8	2714.2
80°	4371.1	7305.0	8789.5	7680.4	8443.2	8237.2	9482.2	5115.7	2727.9	1634.0
82.5°	2569.3	4447.4	6118.0	3718.1	4668.6	4792.2	5646.6	2488.4	1605.0	376.8
85°	1042.1	1756.1	2392.3	1455.5	2251.9	1899.5	2143.6	698.8	447.0	9.2
87.5°	262.4	561.5	393.6	163.2	260.9	239.5	189.2	85.4	18.3	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°
3066.7	0°	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7
3464.9	2.5°	3405.4	3370.3	3283.3	3196.3	3126.2	3031.6	2969.0	2894.2	2822.5	2758.5
3861.5	5°	3765.4	3649.5	3490.8	3345.9	3197.9	3054.4	2912.6	2763.0	2625.7	2541.8
4197.2	7.5°	4058.4	3853.9	3643.4	3458.8	3280.2	3112.4	2924.8	2743.2	2528.1	2413.7
4453.5	10°	4276.5	4008.0	3731.9	3519.8	3339.8	3176.5	3017.8	2834.7	2575.4	2432.0
4609.1	12.5°	4419.9	4101.1	3777.6	3535.0	3333.6	3207.0	3136.8	3065.1	2807.3	2639.5
4723.6	15°	4519.1	4166.7	3809.7	3499.9	3252.8	3159.7	3229.9	3312.3	3147.5	2953.7
4842.6	17.5°	4627.4	4252.1	3823.4	3405.4	3095.6	3056.0	3237.5	3428.2	3420.6	3228.4
4955.5	20°	4741.9	4326.9	3814.2	3252.8	2904.9	2940.0	3171.9	3393.1	3486.2	3382.5
5085.1	22.5°	4859.3	4398.6	3779.2	3054.4	2726.4	2836.3	3068.2	3261.9	3371.8	3339.8
5243.8	25°	5007.3	4499.3	3727.3	2840.8	2578.4	2731.0	2947.6	3104.8	3181.1	3179.6
5414.7	27.5°	5184.3	4633.5	3699.8	2668.4	2473.2	2612.0	2804.2	2944.6	2998.0	2998.0
5626.8	30°	5390.3	4792.2	3669.3	2555.5	2412.1	2488.4	2637.9	2775.2	2828.6	2828.6
5858.7	32.5°	5619.1	4944.8	3596.1	2486.9	2366.4	2367.9	2462.5	2587.6	2651.7	2660.8
6148.6	35°	5893.8	5108.0	3435.9	2432.0	2313.0	2250.4	2296.2	2399.9	2476.2	2496.0
6562.0	37.5°	6253.8	5307.9	3207.0	2351.1	2230.6	2126.8	2137.5	2216.8	2300.8	2331.3
7132.6	40°	6737.5	5542.9	2969.0	2235.1	2114.6	1991.0	1986.5	2044.4	2126.8	2160.4
7904.6	42.5°	7376.7	5825.1	2741.7	2123.8	1974.3	1847.6	1840.0	1885.8	1957.5	1992.6
8923.8	45°	8194.5	6171.4	2546.4	2036.8	1836.9	1711.8	1708.8	1746.9	1809.5	1846.1
10228.3	47.5°	9331.2	6517.8	2413.7	1991.0	1728.6	1600.5	1606.6	1640.1	1696.6	1722.5
11917.2	50°	10812.6	6623.1	2346.5	1991.0	1670.6	1501.3	1531.8	1559.3	1602.0	1617.2
13941.8	52.5°	12234.6	6275.2	2285.5	2003.2	1678.3	1417.4	1483.0	1502.8	1539.4	1545.5
15818.4	55°	12931.8	5394.9	2201.6	2006.3	1725.6	1345.7	1443.3	1479.9	1493.7	1492.1
16907.8	57.5°	12692.3	4362.0	2059.7	1994.1	1757.6	1299.9	1394.5	1464.7	1473.8	1460.1
16700.3	60°	11851.6	3211.6	1951.4	1904.1	1745.4	1286.2	1319.7	1431.1	1444.8	1426.5
15101.3	62.5°	10441.9	2229.0	1867.5	1705.7	1692.0	1281.6	1202.2	1357.9	1391.4	1365.5
12138.4	65°	8220.5	1574.5	1608.1	1495.2	1576.0	1257.2	1080.2	1269.4	1315.2	1275.5
8806.3	67.5°	5562.7	1136.6	1302.9	1354.8	1388.4	1202.2	991.7	1168.7	1229.7	1177.8
5651.2	70°	3004.1	797.9	860.5	1141.2	1179.4	1107.7	912.4	1066.5	1136.6	1080.2
4017.2	72.5°	1774.4	573.7	602.7	916.9	982.5	974.9	823.9	947.5	1032.9	965.8
2772.2	75°	978.0	387.5	430.2	665.2	797.9	752.2	707.9	802.5	889.5	823.9
1737.8	77.5°	437.9	231.9	299.0	436.3	627.1	515.7	547.7	625.5	706.4	637.7
967.3	80°	169.4	129.7	198.3	238.0	456.2	285.3	352.4	460.8	518.7	463.8
210.5	82.5°	21.4	58.0	85.4	93.1	265.5	151.0	204.4	289.9	285.3	247.2
0.0	85°	0.0	10.7	12.2	6.1	114.4	54.9	67.1	94.6	88.5	67.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	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°
3066.7	0°	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7
2746.3	2.5°	2671.5	2616.6	2589.1	2566.2	2587.6	2599.8	2599.8	2651.7	2682.2	2694.4
2488.4	5°	2354.2	2251.9	2183.3	2142.1	2155.8	2171.1	2187.8	2253.5	2297.7	2326.7
2309.9	7.5°	2103.9	1948.3	1852.2	1801.8	1809.5	1820.2	1833.9	1898.0	1942.2	1980.4
2276.3	10°	1980.4	1760.7	1634.0	1573.0	1562.3	1556.2	1551.6	1589.8	1623.3	1653.9
2413.7	12.5°	1986.5	1679.8	1525.7	1450.9	1418.9	1382.3	1353.3	1359.4	1380.8	1418.9
2659.3	15°	2064.3	1653.9	1469.2	1376.2	1322.8	1280.1	1245.0	1237.3	1245.0	1251.1
2940.0	17.5°	2169.5	1650.8	1420.4	1304.5	1249.5	1214.5	1182.4	1171.7	1173.3	1180.9
3126.2	20°	2253.5	1641.6	1365.5	1235.8	1187.0	1156.5	1124.4	1113.8	1116.8	1118.3
3144.5	22.5°	2297.7	1627.9	1304.5	1167.2	1126.0	1095.5	1066.5	1064.9	1064.9	1074.1
3045.3	25°	2297.7	1598.9	1249.5	1101.6	1064.9	1037.5	1002.4	1008.5	1011.5	1023.7
2891.2	27.5°	2242.8	1544.0	1205.3	1045.1	1007.0	979.5	947.5	955.1	959.7	973.4
2738.6	30°	2172.6	1478.4	1155.0	991.7	947.5	927.6	900.2	903.2	909.3	924.6
2596.7	32.5°	2097.8	1400.6	1113.8	938.3	894.1	878.8	848.3	852.9	859.0	875.8
2456.4	35°	2015.4	1309.0	1064.9	889.5	845.2	833.0	797.9	801.0	810.1	828.5
2305.3	37.5°	1928.5	1234.3	1016.1	842.2	796.4	784.2	747.6	750.6	761.3	782.7
2146.7	40°	1843.0	1161.1	964.2	791.8	746.1	735.4	695.7	698.8	711.0	733.9
1986.5	42.5°	1750.0	1104.6	897.1	740.0	691.1	680.5	643.8	648.4	662.2	685.0
1838.5	45°	1638.6	1068.0	822.4	691.1	636.2	625.5	592.0	601.1	616.4	639.3
1711.8	47.5°	1524.2	1052.7	759.8	639.3	579.8	570.6	543.1	558.4	575.2	593.5
1603.5	50°	1414.3	1032.9	695.7	590.4	530.9	521.8	503.5	523.3	540.1	556.9
1525.7	52.5°	1289.2	990.2	637.7	547.7	489.7	486.7	477.5	495.9	511.1	526.4
1458.6	55°	1159.5	921.5	587.4	509.6	454.7	457.7	453.1	468.4	480.6	494.3
1397.5	57.5°	1046.6	834.6	547.7	468.4	424.1	433.3	427.2	434.8	442.5	459.2
1324.3	60°	932.2	730.8	503.5	419.6	393.6	404.3	387.5	386.0	389.1	393.6
1216.0	62.5°	778.1	622.5	448.6	376.8	360.1	364.6	332.6	308.2	308.2	312.8
1064.9	65°	625.5	521.8	387.5	328.0	314.3	311.2	265.5	231.9	228.9	242.6
889.5	67.5°	514.2	433.3	326.5	273.1	263.9	267.0	233.4	199.9	196.8	212.1
724.7	70°	425.7	349.4	260.9	210.5	219.7	233.4	199.9	167.8	163.2	177.0
588.9	72.5°	338.7	273.1	199.9	155.6	181.6	198.3	163.2	132.7	129.7	141.9
454.7	75°	248.7	195.3	135.8	112.9	140.4	155.6	119.0	94.6	90.0	100.7
303.6	77.5°	154.1	109.9	85.4	67.1	96.1	103.7	62.6	54.9	53.4	61.0
184.6	80°	71.7	47.3	41.2	22.9	35.1	41.2	25.9	29.0	30.5	36.6
93.1	82.5°	19.8	7.6	1.5	0.0	0.0	12.2	6.1	12.2	15.3	22.9
7.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	7.6	13.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
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°
3066.7	0°	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7
2779.8	2.5°	2843.9	2904.9	3002.6	3103.3	3202.4	3303.1	3400.8	3435.9
2459.4	5°	2580.0	2720.3	2914.1	3121.6	3335.2	3551.8	3750.2	3840.2
2128.3	7.5°	2285.5	2486.9	2778.3	3103.3	3443.5	3783.7	4096.5	4241.4
1800.3	10°	1971.2	2226.0	2558.6	2998.0	3486.2	3956.1	4386.4	4574.0
1512.0	12.5°	1672.2	1939.2	2306.9	2833.2	3452.7	4055.3	4572.5	4793.7
1309.0	15°	1421.9	1658.4	2055.1	2637.9	3344.3	4061.4	4661.0	4903.6
1196.1	17.5°	1234.3	1388.4	1798.8	2421.3	3202.4	4005.0	4691.5	4950.9
1135.1	20°	1141.2	1183.9	1466.2	2143.6	3069.7	3951.6	4722.0	4995.1
1086.3	22.5°	1086.3	1097.0	1199.2	1785.1	2911.0	3934.8	4775.4	5056.2
1042.1	25°	1042.1	1045.1	1072.6	1414.3	2668.4	3924.1	4857.8	5140.1
996.3	27.5°	997.8	997.8	1013.1	1139.7	2338.9	3878.3	4964.6	5240.8
950.5	30°	953.6	953.6	964.2	1008.5	1952.9	3788.3	5092.8	5372.0
904.7	32.5°	907.8	907.8	916.9	949.0	1559.3	3675.4	5210.3	5504.7
857.4	35°	862.0	859.0	871.2	904.7	1240.4	3532.0	5327.7	5648.1
810.1	37.5°	813.2	811.7	823.9	862.0	1071.0	3365.7	5416.2	5843.4
762.8	40°	761.3	761.3	775.1	816.2	1022.2	3156.7	5556.6	6124.1
714.0	42.5°	714.0	711.0	726.2	776.6	985.6	2956.8	5808.3	6533.0
669.8	45°	668.3	662.2	675.9	738.4	921.5	2886.6	6278.2	7137.2
627.1	47.5°	625.5	610.3	622.5	692.7	863.5	3149.0	7047.2	7974.8
588.9	50°	590.4	561.5	572.1	646.9	819.3	3718.1	8045.0	9087.1
553.8	52.5°	553.8	515.7	521.8	590.4	779.6	4259.7	9126.7	10554.8
518.7	55°	515.7	473.0	476.0	534.0	723.2	4340.6	10182.5	12556.5
479.1	57.5°	473.0	433.3	433.3	482.1	682.0	3762.4	10994.2	15040.3
430.2	60°	425.7	399.7	392.1	440.9	718.6	2654.7	11088.8	16642.3
367.7	62.5°	373.8	360.1	349.4	401.3	746.1	1573.0	10327.4	16254.8
289.9	65°	314.3	311.2	303.6	440.9	628.6	929.1	8865.8	15066.3
247.2	67.5°	263.9	259.4	259.4	462.3	477.5	584.3	6926.7	13430.7
210.5	70°	227.3	210.5	210.5	349.4	289.9	404.3	4836.5	11665.5
173.9	72.5°	190.7	172.4	160.2	279.2	216.6	296.0	3022.4	9990.3
132.7	75°	152.6	138.8	123.6	184.6	161.7	224.3	1756.1	8276.9
83.9	77.5°	109.9	103.7	87.0	135.8	117.5	161.7	1045.1	6386.6
51.9	80°	56.5	58.0	54.9	77.8	79.3	109.9	595.0	4371.1
33.6	82.5°	33.6	25.9	29.0	38.1	45.8	62.6	224.3	2569.3
24.4	85°	21.4	13.7	13.7	18.3	22.9	24.4	68.7	1042.1
12.2	87.5°	10.7	4.6	6.1	9.2	7.6	6.1	3.1	262.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)