

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: P953848

Luminaire Tested: **GALN-SB7B-740-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953848
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-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 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: 32335 lumens
Efficiency: N/A
Efficacy: 126.0 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

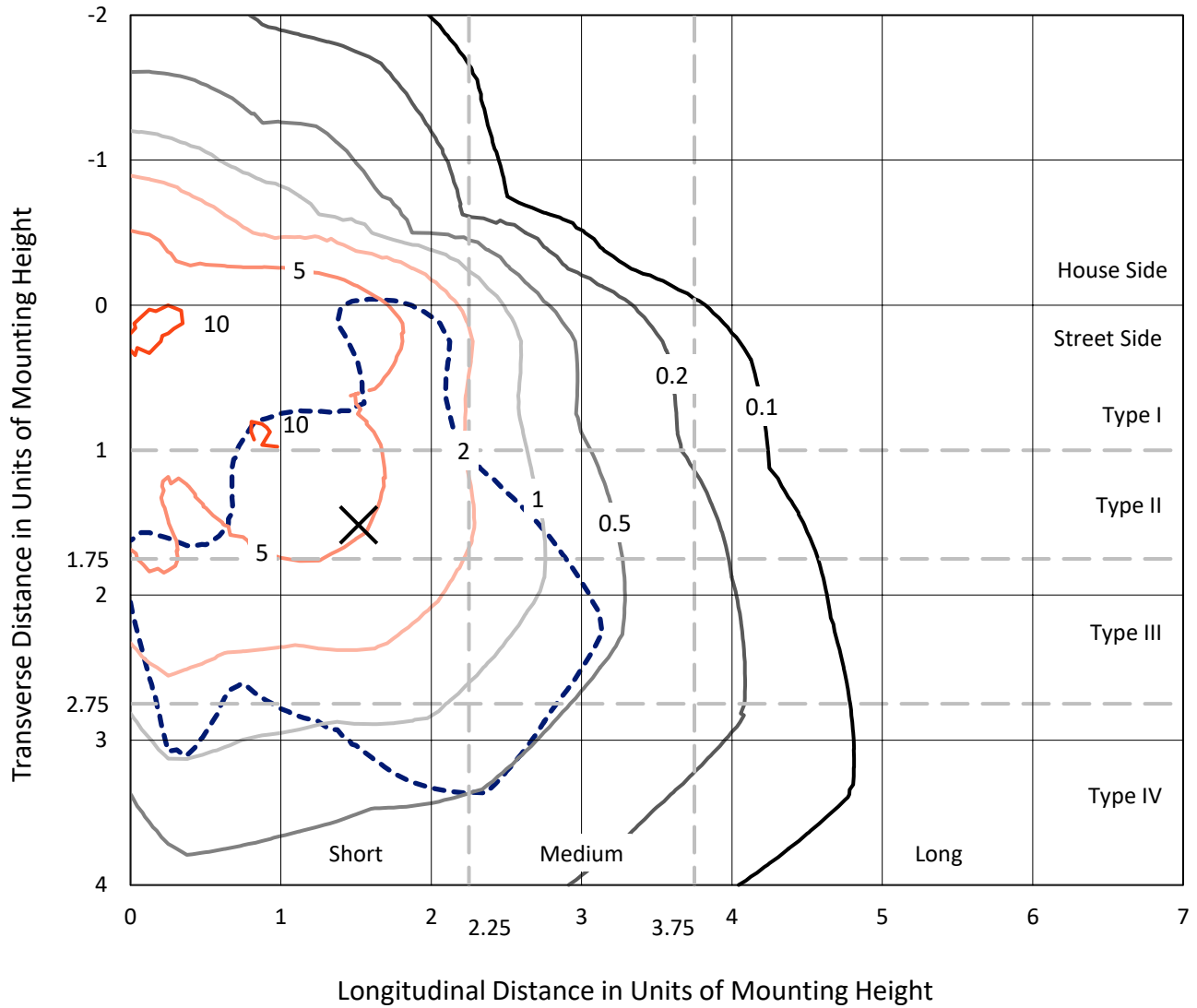
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

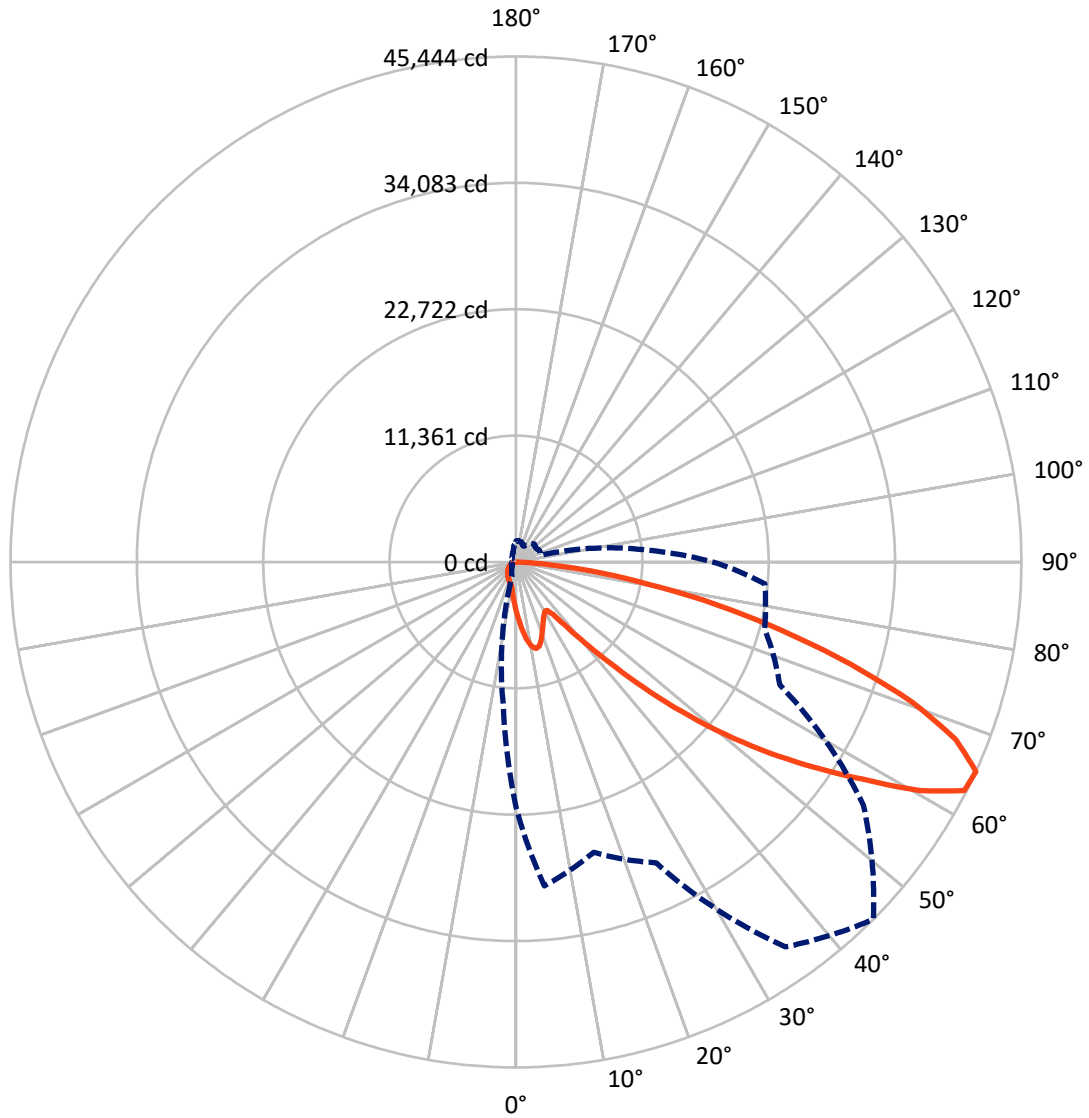
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	6427.2	0.0	6427.2
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	25907.8	0.0	25907.8
	% Fixture	80.1	0.0	80.1
Total	Lumens	32335.0	0.0	32335.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.8	1.4
10°-20°	1321.4	4.1
20°-30°	1946.7	6.0
30°-40°	2501.0	7.7
40°-50°	4044.9	12.5
50°-60°	7093.1	21.9
60°-70°	8875.4	27.4
70°-80°	5186.4	16.0
80°-90°	925.3	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°	32335.0	100.0
0°-180°	32335.0	100.0



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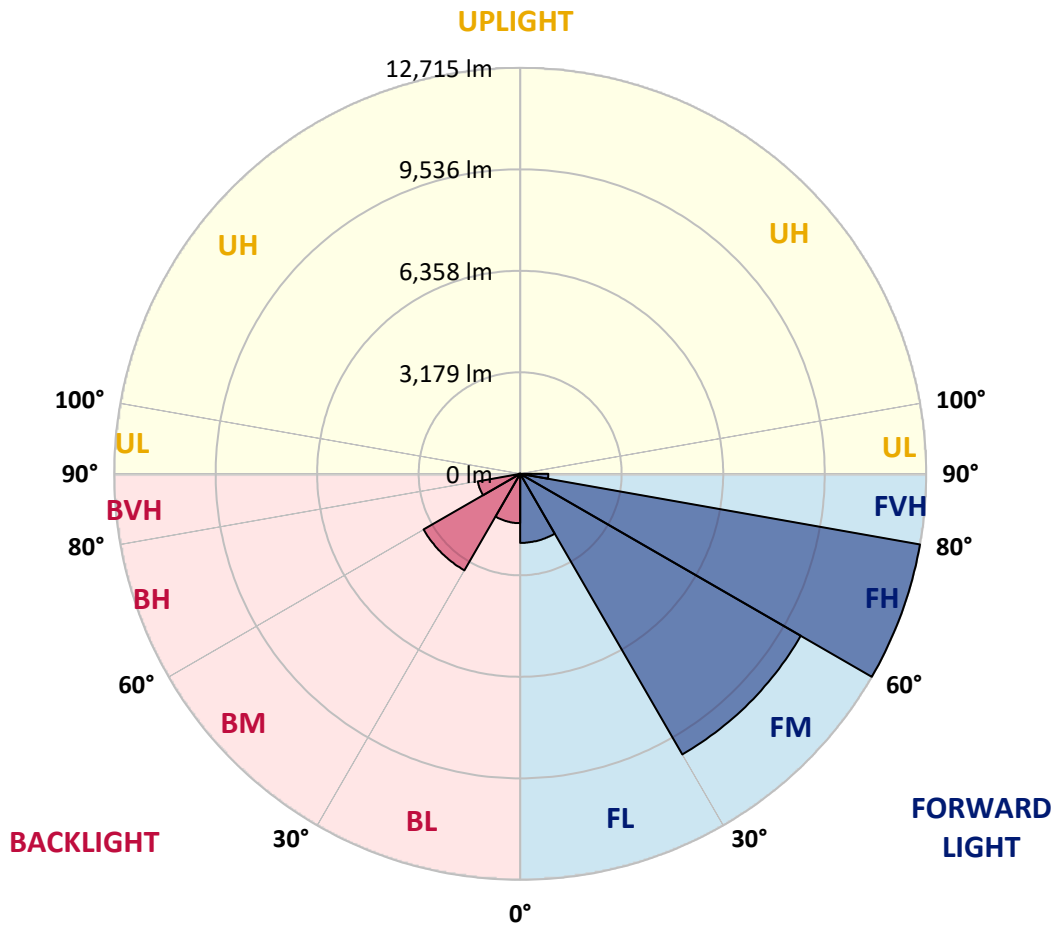
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2163.6	6.7			
FM (30°-60°)	10147.1	31.4			
FH (60°-80°)	12715.1	39.3			G5
FVH (80°-90°)	882.0	2.7			G5
BL (0°-30°)	1545.4	4.8	B3/2500		
BM (30°-60°)	3491.9	10.8	B3/5000		
BH (60°-80°)	1346.6	4.2	B3/2500		G3/2500
BVH (80°-90°)	43.4	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°	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4
2.5°	5016.4	5054.3	5138.9	5183.5	5252.5	5257.0	5257.0	5196.9	5194.6	5072.1
5°	5606.7	5695.8	5896.3	6103.5	6148.0	6159.2	6136.9	6016.6	5927.5	5689.1
7.5°	6192.6	6364.1	6669.3	6945.5	7034.6	7034.6	6981.1	6785.1	6602.4	6257.2
10°	6678.2	6894.2	7308.6	7618.2	7720.7	7698.4	7589.2	7342.0	7090.3	6671.5
12.5°	6998.9	7241.7	7696.2	7945.6	8050.3	7992.4	7867.7	7627.1	7362.0	6921.0
15°	7159.3	7413.3	7807.5	7939.0	7910.0	7849.9	7834.3	7718.4	7518.0	7105.9
17.5°	7228.4	7464.5	7738.5	7656.1	7411.0	7364.3	7520.2	7667.2	7618.2	7266.2
20°	7293.0	7491.2	7573.6	7208.3	6780.6	6738.3	7036.8	7455.6	7669.4	7415.5
22.5°	7382.1	7504.6	7335.3	6736.1	6275.0	6177.0	6506.7	7137.1	7685.0	7604.8
25°	7504.6	7538.0	7072.5	6288.4	5825.0	5727.0	6034.4	6782.9	7658.3	7809.8
27.5°	7651.6	7582.6	6820.7	5914.1	5466.4	5375.1	5682.5	6442.1	7582.6	8014.7
30°	7843.2	7640.5	6571.3	5624.5	5210.2	5143.4	5439.7	6148.0	7489.0	8275.3
32.5°	8037.0	7665.0	6339.6	5455.3	5152.3	5176.8	5419.6	5989.9	7386.5	8524.8
35°	8246.4	7742.9	6226.0	5622.3	5635.7	5849.5	5949.8	6136.9	7370.9	8863.4
37.5°	8531.5	7916.7	6361.9	6453.2	6916.5	7359.8	7277.4	6856.4	7551.4	9369.0
40°	8941.4	8221.9	6954.4	7867.7	8818.8	9538.3	9224.3	8163.9	8103.8	10097.5
42.5°	9538.3	8707.5	8005.8	9596.3	11209.0	12394.1	11552.0	9850.2	9070.6	11137.7
45°	10420.4	9493.8	9277.7	11420.6	14156.0	16022.7	14271.9	11647.8	10424.9	12712.6
47.5°	11643.4	10649.9	10469.5	13343.0	17737.9	20152.6	17288.0	13314.0	11966.4	14859.9
50°	13267.3	12206.9	11598.8	15445.8	21665.1	24362.6	20301.8	14922.3	13732.8	17484.0
52.5°	15410.1	14378.8	12915.3	17448.3	25703.6	28483.6	23329.1	16334.6	15924.7	20529.0
55°	18332.7	17646.6	14715.2	19359.6	29739.9	32629.1	26238.2	17666.6	18820.5	24146.6
57.5°	21959.1	22449.2	17310.2	21576.0	33368.6	36901.5	29160.8	19528.9	22580.6	28191.8
60°	24298.0	28835.6	22279.9	24852.7	37491.8	41733.0	33165.9	23070.7	26532.3	29641.9
62.5°	23732.3	30867.1	28231.9	29036.0	41283.1	45245.9	37090.8	26628.1	27276.3	27505.7
65°	21997.0	29227.6	27017.9	29849.1	42243.1	45444.1	38140.0	26169.2	23137.5	22455.9
67.5°	19609.1	27283.0	24133.2	27692.8	40507.9	42673.1	36186.4	23148.6	17880.5	16851.4
70°	17031.8	25131.1	22239.8	25273.7	37200.0	37843.7	32865.2	20359.7	13151.4	11380.5
72.5°	14586.0	22890.2	20943.4	22794.5	32787.2	31455.1	28541.5	17893.9	9576.2	8208.5
75°	12084.4	19584.6	19096.7	19849.6	26984.5	24777.0	23714.4	14815.4	7515.7	5938.6
77.5°	9324.5	15303.2	16425.9	15895.8	18994.3	18404.0	18381.7	11133.3	5490.9	3962.8
80°	6381.9	10665.5	12832.9	11213.5	12327.2	12026.5	13844.2	7469.0	3982.8	2385.7
82.5°	3751.2	6493.3	8932.5	5428.5	6816.3	6996.7	8244.1	3633.1	2343.4	550.2
85°	1521.4	2563.9	3492.8	2125.1	3287.9	2773.3	3129.7	1020.2	652.7	13.4
87.5°	383.1	819.7	574.7	238.3	380.9	349.7	276.2	124.7	26.7	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°
4477.4	0°	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4
5058.8	2.5°	4971.9	4920.6	4793.7	4666.7	4564.2	4426.1	4334.8	4225.7	4121.0	4027.4
5637.9	5°	5497.6	5328.3	5096.6	4885.0	4668.9	4459.5	4252.4	4034.1	3833.6	3711.1
6128.0	7.5°	5925.3	5626.8	5319.4	5049.8	4789.2	4544.2	4270.2	4005.1	3691.0	3524.0
6502.2	10°	6243.8	5851.8	5448.6	5138.9	4876.1	4637.7	4406.1	4138.8	3760.1	3550.7
6729.4	12.5°	6453.2	5987.6	5515.4	5161.2	4867.2	4682.3	4579.8	4475.1	4098.7	3853.7
6896.5	15°	6598.0	6083.4	5562.2	5110.0	4749.1	4613.2	4715.7	4836.0	4595.4	4312.5
7070.2	17.5°	6756.1	6208.2	5582.2	4971.9	4519.7	4461.8	4726.8	5005.3	4994.2	4713.5
7235.1	20°	6923.2	6317.3	5568.9	4749.1	4241.2	4292.5	4631.1	4954.1	5089.9	4938.5
7424.4	22.5°	7094.7	6422.0	5517.6	4459.5	3980.6	4141.0	4479.6	4762.5	4922.9	4876.1
7656.1	25°	7310.8	6569.0	5441.9	4147.7	3764.5	3987.3	4303.6	4533.1	4644.4	4642.2
7905.6	27.5°	7569.2	6765.1	5401.8	3896.0	3610.8	3813.6	4094.2	4299.2	4377.1	4377.1
8215.2	30°	7869.9	6996.7	5357.2	3731.1	3521.7	3633.1	3851.4	4051.9	4129.9	4129.9
8553.8	32.5°	8204.0	7219.5	5250.3	3630.9	3454.9	3457.1	3595.3	3777.9	3871.5	3884.8
8977.0	35°	8605.0	7457.8	5016.4	3550.7	3377.0	3285.6	3352.5	3503.9	3615.3	3644.3
9580.7	37.5°	9130.7	7749.6	4682.3	3432.6	3256.7	3105.2	3120.8	3236.6	3359.1	3403.7
10413.8	40°	9836.8	8092.7	4334.8	3263.4	3087.4	2906.9	2900.3	2984.9	3105.2	3154.2
11540.9	42.5°	10770.2	8504.8	4002.9	3100.7	2882.4	2697.6	2686.4	2753.2	2857.9	2909.2
13028.9	45°	11964.1	9010.4	3717.8	2973.8	2682.0	2499.3	2494.8	2550.5	2641.9	2695.3
14933.5	47.5°	13623.7	9516.1	3524.0	2906.9	2523.8	2336.7	2345.6	2394.6	2477.0	2514.9
17399.3	50°	15786.6	9669.8	3426.0	2906.9	2439.2	2191.9	2236.5	2276.5	2338.9	2361.2
20355.3	52.5°	17862.7	9161.9	3336.9	2924.8	2450.3	2069.4	2165.2	2194.1	2247.6	2256.5
23095.2	55°	18880.7	7876.6	3214.3	2929.2	2519.4	1964.7	2107.3	2160.7	2180.8	2178.5
24685.6	57.5°	18530.9	6368.5	3007.2	2911.4	2566.1	1897.9	2036.0	2138.4	2151.8	2131.8
24382.7	60°	17303.6	4689.0	2849.0	2780.0	2548.3	1877.8	1926.8	2089.4	2109.5	2082.8
22048.2	62.5°	15245.3	3254.4	2726.5	2490.4	2470.3	1871.1	1755.3	1982.5	2031.5	1993.7
17722.3	65°	12002.0	2298.8	2347.8	2183.0	2301.1	1835.5	1577.1	1853.3	1920.1	1862.2
12857.4	67.5°	8121.6	1659.5	1902.3	1978.1	2027.1	1755.3	1447.9	1706.3	1795.4	1719.7
8250.8	70°	4386.0	1165.0	1256.3	1666.2	1721.9	1617.2	1332.1	1557.1	1659.5	1577.1
5865.1	72.5°	2590.6	837.6	879.9	1338.8	1434.5	1423.4	1202.9	1383.3	1508.0	1410.0
4047.4	75°	1427.9	565.8	628.2	971.2	1165.0	1098.2	1033.6	1171.7	1298.7	1202.9
2537.2	77.5°	639.3	338.6	436.6	637.1	915.5	752.9	799.7	913.3	1031.4	931.1
1412.3	80°	247.3	189.3	289.6	347.5	666.0	416.6	514.6	672.7	757.4	677.2
307.4	82.5°	31.2	84.6	124.7	135.9	387.6	220.5	298.5	423.2	416.6	360.9
0.0	85°	0.0	15.6	17.8	8.9	167.1	80.2	98.0	138.1	129.2	98.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	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°
4477.4	0°	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4
4009.6	2.5°	3900.4	3820.2	3780.1	3746.7	3777.9	3795.7	3795.7	3871.5	3916.0	3933.8
3633.1	5°	3437.1	3287.9	3187.6	3127.5	3147.5	3169.8	3194.3	3290.1	3354.7	3397.0
3372.5	7.5°	3071.8	2844.6	2704.2	2630.7	2641.9	2657.5	2677.5	2771.1	2835.7	2891.4
3323.5	10°	2891.4	2570.6	2385.7	2296.6	2281.0	2272.1	2265.4	2321.1	2370.1	2414.7
3524.0	12.5°	2900.3	2452.5	2227.5	2118.4	2071.6	2018.2	1975.8	1984.7	2015.9	2071.6
3882.6	15°	3013.9	2414.7	2145.1	2009.2	1931.3	1868.9	1817.7	1806.5	1817.7	1826.6
4292.5	17.5°	3167.6	2410.2	2073.8	1904.5	1824.4	1773.1	1726.3	1710.8	1713.0	1724.1
4564.2	20°	3290.1	2396.8	1993.7	1804.3	1733.0	1688.5	1641.7	1626.1	1630.6	1632.8
4591.0	22.5°	3354.7	2376.8	1904.5	1704.1	1643.9	1599.4	1557.1	1554.8	1554.8	1568.2
4446.2	25°	3354.7	2334.5	1824.4	1608.3	1554.8	1514.7	1463.5	1472.4	1476.9	1494.7
4221.2	27.5°	3274.5	2254.3	1759.8	1525.9	1470.2	1430.1	1383.3	1394.4	1401.1	1421.2
3998.4	30°	3172.0	2158.5	1686.3	1447.9	1383.3	1354.3	1314.3	1318.7	1327.6	1349.9
3791.3	32.5°	3062.9	2044.9	1626.1	1369.9	1305.3	1283.1	1238.5	1245.2	1254.1	1278.6
3586.3	35°	2942.6	1911.2	1554.8	1298.7	1234.1	1216.2	1165.0	1169.5	1182.8	1209.6
3365.8	37.5°	2815.6	1802.1	1483.5	1229.6	1162.8	1145.0	1091.5	1096.0	1111.5	1142.7
3134.2	40°	2690.9	1695.2	1407.8	1156.1	1089.3	1073.7	1015.8	1020.2	1038.0	1071.4
2900.3	42.5°	2555.0	1612.7	1309.8	1080.4	1009.1	993.5	940.0	946.7	966.8	1000.2
2684.2	45°	2392.4	1559.3	1200.6	1009.1	928.9	913.3	864.3	877.7	899.9	933.3
2499.3	47.5°	2225.3	1537.0	1109.3	933.3	846.5	833.1	793.0	815.3	839.8	866.5
2341.1	50°	2064.9	1508.0	1015.8	862.1	775.2	761.8	735.1	764.0	788.6	813.1
2227.5	52.5°	1882.3	1445.7	931.1	799.7	715.0	710.6	697.2	724.0	746.2	768.5
2129.5	55°	1692.9	1345.4	857.6	744.0	663.8	668.3	661.6	683.9	701.7	721.7
2040.4	57.5°	1528.1	1218.5	799.7	683.9	619.3	632.6	623.7	634.8	646.0	670.5
1933.5	60°	1361.0	1067.0	735.1	612.6	574.7	590.3	565.8	563.6	568.0	574.7
1775.4	62.5°	1136.0	908.8	654.9	550.2	525.7	532.4	485.6	450.0	450.0	456.6
1554.8	65°	913.3	761.8	565.8	478.9	458.9	454.4	387.6	338.6	334.1	354.2
1298.7	67.5°	750.7	632.6	476.7	398.7	385.4	389.8	340.8	291.8	287.4	309.6
1058.1	70°	621.5	510.1	380.9	307.4	320.8	340.8	291.8	245.0	238.3	258.4
859.8	72.5°	494.5	398.7	291.8	227.2	265.1	289.6	238.3	193.8	189.3	207.2
663.8	75°	363.1	285.1	198.3	164.8	204.9	227.2	173.7	138.1	131.4	147.0
443.3	77.5°	225.0	160.4	124.7	98.0	140.3	151.5	91.3	80.2	78.0	89.1
269.5	80°	104.7	69.1	60.1	33.4	51.2	60.1	37.9	42.3	44.6	53.5
135.9	82.5°	29.0	11.1	2.2	0.0	0.0	17.8	8.9	17.8	22.3	33.4
11.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	11.1	20.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9
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°
4477.4	0°	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4	4477.4
4058.6	2.5°	4152.1	4241.2	4383.8	4530.8	4675.6	4822.6	4965.2	5016.4
3590.8	5°	3766.8	3971.7	4254.6	4557.6	4869.4	5185.7	5475.3	5606.7
3107.4	7.5°	3336.9	3630.9	4056.4	4530.8	5027.6	5524.3	5981.0	6192.6
2628.5	10°	2878.0	3250.0	3735.6	4377.1	5089.9	5776.0	6404.2	6678.2
2207.5	12.5°	2441.4	2831.2	3368.0	4136.5	5040.9	5920.8	6675.9	6998.9
1911.2	15°	2076.1	2421.3	3000.5	3851.4	4882.8	5929.7	6805.1	7159.3
1746.4	17.5°	1802.1	2027.1	2626.3	3535.1	4675.6	5847.3	6849.7	7228.4
1657.3	20°	1666.2	1728.6	2140.7	3129.7	4481.8	5769.3	6894.2	7293.0
1586.0	22.5°	1586.0	1601.6	1750.8	2606.2	4250.2	5744.8	6972.2	7382.1
1521.4	25°	1521.4	1525.9	1566.0	2064.9	3896.0	5729.2	7092.5	7504.6
1454.6	27.5°	1456.8	1456.8	1479.1	1664.0	3414.8	5662.4	7248.4	7651.6
1387.8	30°	1392.2	1392.2	1407.8	1472.4	2851.3	5531.0	7435.5	7843.2
1320.9	32.5°	1325.4	1325.4	1338.8	1385.5	2276.5	5366.2	7607.1	8037.0
1251.9	35°	1258.6	1254.1	1271.9	1320.9	1811.0	5156.8	7778.6	8246.4
1182.8	37.5°	1187.3	1185.1	1202.9	1258.6	1563.7	4914.0	7907.8	8531.5
1113.8	40°	1111.5	1111.5	1131.6	1191.7	1492.5	4608.8	8112.7	8941.4
1042.5	42.5°	1042.5	1038.0	1060.3	1133.8	1439.0	4317.0	8480.3	9538.3
977.9	45°	975.7	966.8	986.8	1078.1	1345.4	4214.5	9166.3	10420.4
915.5	47.5°	913.3	891.0	908.8	1011.3	1260.8	4597.7	10289.0	11643.4
859.8	50°	862.1	819.7	835.3	944.5	1196.2	5428.5	11745.8	13267.3
808.6	52.5°	808.6	752.9	761.8	862.1	1138.3	6219.3	13325.2	15410.1
757.4	55°	752.9	690.5	695.0	779.6	1055.9	6337.4	14866.6	18332.7
699.4	57.5°	690.5	632.6	632.6	703.9	995.7	5493.1	16051.7	21959.1
628.2	60°	621.5	583.6	572.5	643.8	1049.2	3875.9	16189.8	24298.0
536.8	62.5°	545.7	525.7	510.1	585.8	1089.3	2296.6	15078.2	23732.3
423.2	65°	458.9	454.4	443.3	643.8	917.7	1356.6	12944.3	21997.0
360.9	67.5°	385.4	378.7	378.7	674.9	697.2	853.1	10113.0	19609.1
307.4	70°	331.9	307.4	307.4	510.1	423.2	590.3	7061.3	17031.8
253.9	72.5°	278.4	251.7	233.9	407.6	316.3	432.1	4412.8	14586.0
193.8	75°	222.8	202.7	180.4	269.5	236.1	327.4	2563.9	12084.4
122.5	77.5°	160.4	151.5	127.0	198.3	171.5	236.1	1525.9	9324.5
75.7	80°	82.4	84.6	80.2	113.6	115.8	160.4	868.7	6381.9
49.0	82.5°	49.0	37.9	42.3	55.7	66.8	91.3	327.4	3751.2
35.6	85°	31.2	20.0	20.0	26.7	33.4	35.6	100.2	1521.4
17.8	87.5°	15.6	6.7	8.9	13.4	11.1	8.9	4.5	383.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)