

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: P957292

Luminaire Tested: **GALN-SB9C-940-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957292
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-SB9C-940-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 615mA 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: 37725 lumens
Efficiency: N/A
Efficacy: 83.9 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

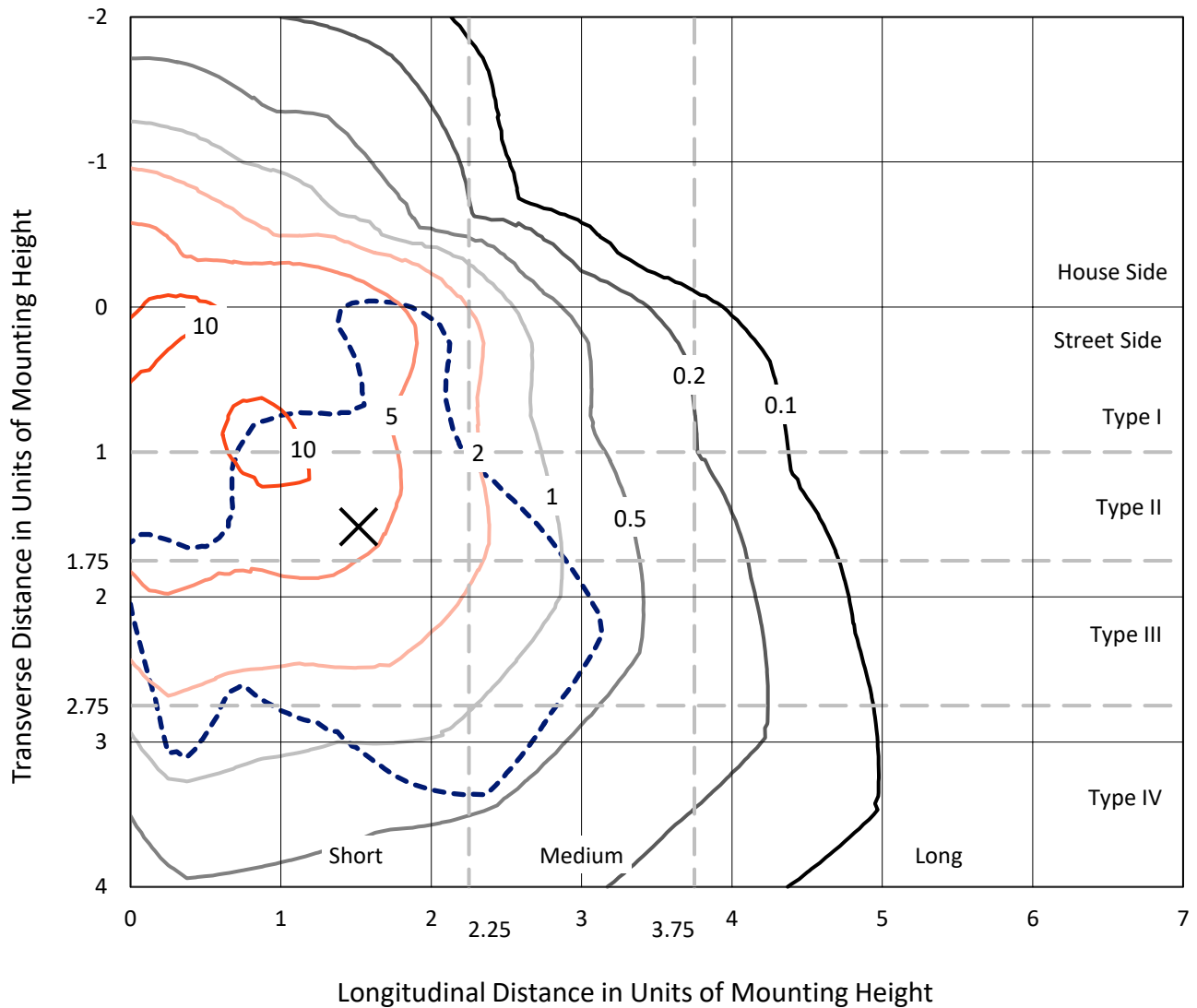
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

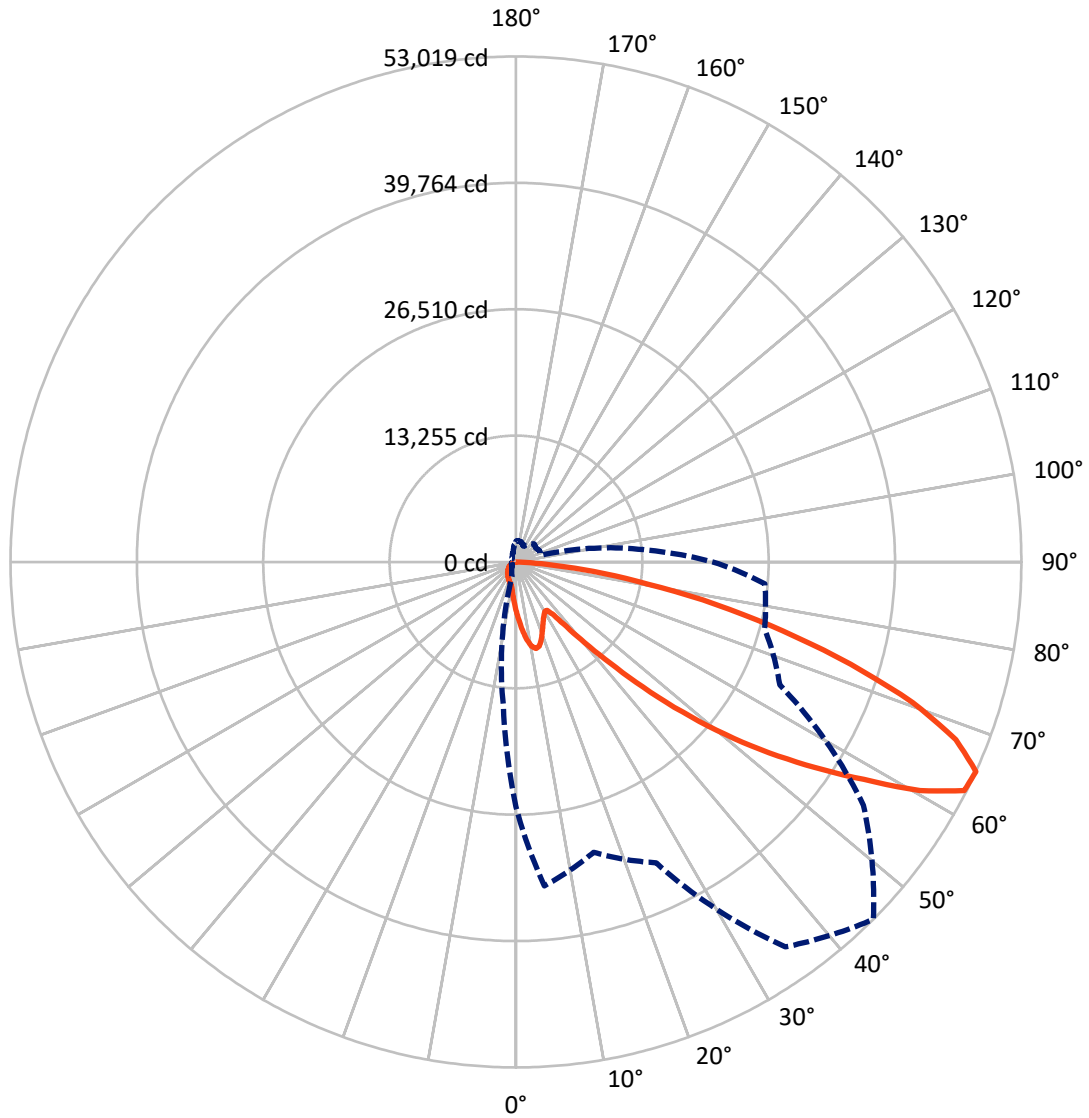
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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	7498.6	0.0	7498.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	30226.4	0.0	30226.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	37725.0	0.0	37725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.3	1.4
10°-20°	1541.7	4.1
20°-30°	2271.2	6.0
30°-40°	2917.9	7.7
40°-50°	4719.1	12.5
50°-60°	8275.4	21.9
60°-70°	10354.8	27.4
70°-80°	6050.9	16.0
80°-90°	1079.6	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°	37725.0	100.0
0°-180°	37725.0	100.0

Coefficient of Utilization



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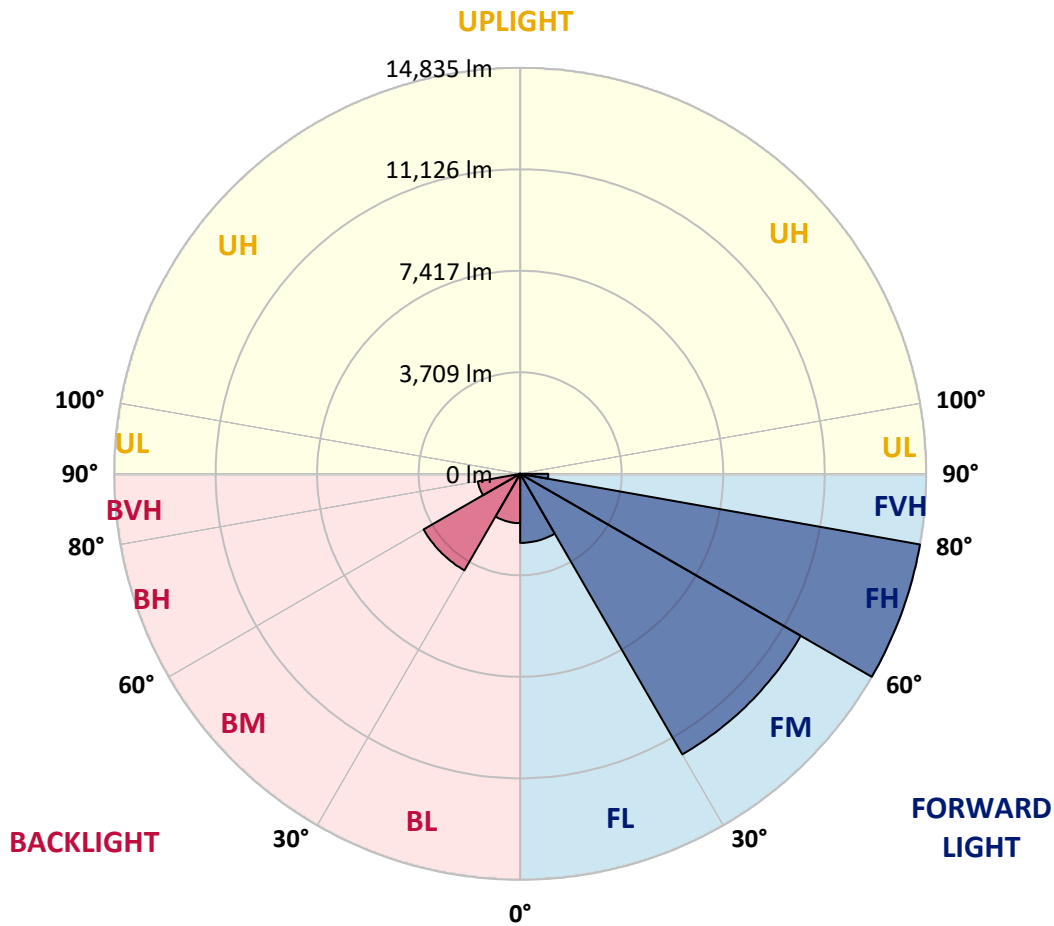
CATALOG NUMBER: GALN-SB9C-940-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2524.2	6.7			
FM (30°-60°)	11838.6	31.4			
FH (60°-80°)	14834.6	39.3			G5
FVH (80°-90°)	1029.0	2.7			G5
BL (0°-30°)	1803.0	4.8	B3/2500		
BM (30°-60°)	4073.9	10.8	B3/5000		
BH (60°-80°)	1571.1	4.2	B3/2500		G3/2500
BVH (80°-90°)	50.6	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°	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7
2.5°	5852.6	5896.8	5995.6	6047.5	6128.1	6133.3	6133.3	6063.1	6060.5	5917.6
5°	6541.3	6645.3	6879.2	7120.9	7172.8	7185.8	7159.9	7019.5	6915.6	6637.5
7.5°	7224.8	7424.9	7781.0	8103.2	8207.2	8207.2	8144.8	7916.1	7703.0	7300.2
10°	7791.4	8043.5	8526.9	8888.1	9007.6	8981.7	8854.3	8565.8	8272.2	7783.6
12.5°	8165.6	8448.9	8979.1	9270.1	9392.3	9324.7	9179.2	8898.5	8589.2	8074.7
15°	8352.7	8649.0	9109.0	9262.3	9228.5	9158.4	9140.2	9005.0	8771.1	8290.4
17.5°	8433.3	8708.8	9028.4	8932.3	8646.4	8591.8	8773.7	8945.3	8888.1	8477.5
20°	8508.7	8740.0	8836.1	8409.9	7910.9	7861.5	8209.8	8698.4	8947.9	8651.6
22.5°	8612.6	8755.6	8558.0	7858.9	7321.0	7206.6	7591.3	8326.7	8966.1	8872.5
25°	8755.6	8794.5	8251.4	7336.6	6796.0	6681.7	7040.3	7913.5	8934.9	9111.6
27.5°	8927.1	8846.5	7957.7	6900.0	6377.6	6271.0	6629.7	7515.9	8846.5	9350.7
30°	9150.6	8914.1	7666.6	6562.1	6078.7	6000.8	6346.4	7172.8	8737.4	9654.8
32.5°	9376.7	8942.7	7396.4	6364.6	6011.2	6039.7	6323.0	6988.3	8617.8	9945.8
35°	9621.0	9033.6	7263.8	6559.5	6575.1	6824.6	6941.6	7159.9	8599.6	10340.9
37.5°	9953.6	9236.3	7422.3	7528.9	8069.5	8586.6	8490.5	7999.3	8810.1	10930.8
40°	10431.8	9592.4	8113.6	9179.2	10288.9	11128.3	10761.9	9524.8	9454.6	11780.6
42.5°	11128.3	10158.9	9340.3	11195.9	13077.5	14460.0	13477.7	11492.2	10582.6	12994.3
45°	12157.5	11076.3	10824.2	13324.3	16515.7	18693.6	16650.9	13589.4	12162.7	14831.7
47.5°	13584.2	12425.1	12214.6	15567.2	20694.7	23511.9	20169.7	15533.4	13961.1	17337.0
50°	15478.8	14241.7	13532.3	18020.5	25276.5	28423.7	23686.0	17409.8	16022.0	20398.4
52.5°	17978.9	16775.6	15068.2	20356.9	29988.2	33231.6	27217.8	19057.4	18579.2	23951.1
55°	21388.6	20588.2	17168.1	22586.7	34697.4	38068.1	30612.0	20611.5	21957.8	28171.6
57.5°	25619.5	26191.3	20195.7	25172.5	38930.9	43052.7	34021.7	22784.2	26344.6	32891.2
60°	28348.3	33642.2	25993.8	28995.5	43741.4	48689.6	38694.4	26916.4	30955.0	34583.0
62.5°	27688.2	36012.4	32937.9	33876.1	48164.6	52788.0	43273.6	31066.8	31823.0	32090.7
65°	25663.7	34099.6	31521.6	34824.7	49284.8	53019.3	44497.7	30531.4	26994.3	26199.1
67.5°	22877.8	31830.8	28156.0	32309.0	47260.2	49786.3	42218.5	27007.3	20861.0	19660.4
70°	19870.9	29320.3	25947.0	29486.6	43400.9	44152.0	38343.6	23753.6	15343.7	13277.6
72.5°	17017.3	26705.9	24434.5	26594.1	38252.6	36698.5	33299.2	20876.6	11172.5	9576.8
75°	14098.8	22849.2	22280.0	23158.4	31482.6	28907.1	27667.4	17285.0	8768.5	6928.6
77.5°	10878.8	17854.2	19164.0	18545.5	22160.5	21471.8	21445.8	12989.1	6406.2	4623.4
80°	7445.7	12443.3	14972.0	13082.7	14382.1	14031.2	16151.9	8714.0	4646.8	2783.4
82.5°	4376.5	7575.7	10421.4	6333.4	7952.5	8163.0	9618.4	4238.7	2734.0	641.9
85°	1775.0	2991.3	4075.0	2479.3	3835.9	3235.6	3651.4	1190.3	761.5	15.6
87.5°	447.0	956.4	670.5	278.1	444.4	408.0	322.3	145.5	31.2	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°
5223.7	0°	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7
5902.0	2.5°	5800.7	5740.9	5592.7	5444.6	5325.1	5163.9	5057.4	4930.0	4807.9	4698.7
6577.7	5°	6414.0	6216.5	5946.2	5699.3	5447.2	5202.9	4961.2	4706.5	4472.6	4329.7
7149.5	7.5°	6913.0	6564.7	6206.1	5891.6	5587.5	5301.7	4982.0	4672.7	4306.3	4111.4
7586.1	10°	7284.6	6827.2	6356.8	5995.6	5688.9	5410.8	5140.5	4828.7	4386.9	4142.6
7851.2	12.5°	7528.9	6985.7	6434.8	6021.6	5678.5	5462.8	5343.3	5221.1	4781.9	4496.0
8046.1	15°	7697.8	7097.5	6489.3	5961.8	5540.8	5382.2	5501.8	5642.1	5361.4	5031.4
8248.8	17.5°	7882.3	7243.0	6512.7	5800.7	5273.1	5205.5	5514.8	5839.6	5826.6	5499.2
8441.1	20°	8077.3	7370.4	6497.1	5540.8	4948.2	5008.0	5403.0	5779.9	5938.4	5761.7
8662.0	22.5°	8277.4	7492.5	6437.4	5202.9	4644.2	4831.3	5226.3	5556.4	5743.5	5688.9
8932.3	25°	8529.5	7664.0	6349.0	4839.1	4392.1	4652.0	5021.0	5288.7	5418.6	5416.0
9223.3	27.5°	8830.9	7892.7	6302.2	4545.4	4212.7	4449.2	4776.7	5015.8	5106.8	5106.8
9584.6	30°	9181.8	8163.0	6250.3	4353.1	4108.8	4238.7	4493.4	4727.3	4818.3	4818.3
9979.6	32.5°	9571.6	8422.9	6125.5	4236.1	4030.8	4033.4	4194.6	4407.7	4516.8	4532.4
10473.4	35°	10039.4	8701.0	5852.6	4142.6	3939.9	3833.3	3911.3	4088.0	4217.9	4251.7
11177.7	37.5°	10652.7	9041.4	5462.8	4004.8	3799.5	3622.8	3641.0	3776.1	3919.1	3971.1
12149.7	40°	11476.6	9441.7	5057.4	3807.3	3602.0	3391.5	3383.7	3482.5	3622.8	3680.0
13464.7	42.5°	12565.5	9922.4	4670.1	3617.6	3362.9	3147.2	3134.2	3212.2	3334.3	3394.1
15200.7	45°	13958.5	10512.4	4337.5	3469.5	3129.0	2915.9	2910.7	2975.7	3082.2	3144.6
17422.7	47.5°	15894.6	11102.3	4111.4	3391.5	2944.5	2726.2	2736.6	2793.8	2889.9	2934.1
20299.7	50°	18418.1	11281.6	3997.0	3391.5	2845.7	2557.3	2609.3	2656.0	2728.8	2754.8
23748.4	52.5°	20840.2	10689.1	3893.1	3412.3	2858.7	2414.3	2526.1	2559.9	2622.2	2632.6
26945.0	55°	22027.9	9189.6	3750.2	3417.5	2939.3	2292.2	2458.5	2520.9	2544.3	2541.7
28800.5	57.5°	21619.9	7430.1	3508.5	3396.7	2993.9	2214.2	2375.4	2494.9	2510.5	2487.1
28447.1	60°	20187.9	5470.6	3323.9	3243.4	2973.1	2190.8	2248.0	2437.7	2461.1	2429.9
25723.5	62.5°	17786.6	3796.9	3181.0	2905.5	2882.1	2183.0	2047.9	2313.0	2370.2	2326.0
20676.5	65°	14002.6	2682.0	2739.2	2546.9	2684.6	2141.5	1840.0	2162.3	2240.2	2172.6
15000.6	67.5°	9475.4	1936.1	2219.4	2307.8	2365.0	2047.9	1689.3	1990.7	2094.7	2006.3
9626.2	70°	5117.2	1359.2	1465.8	1943.9	2008.9	1886.8	1554.1	1816.6	1936.1	1840.0
6842.8	72.5°	3022.5	977.2	1026.5	1561.9	1673.7	1660.7	1403.4	1613.9	1759.4	1645.1
4722.1	75°	1665.9	660.1	732.9	1133.1	1359.2	1281.2	1205.9	1367.0	1515.1	1403.4
2960.1	77.5°	745.9	395.0	509.4	743.3	1068.1	878.4	933.0	1065.5	1203.3	1086.3
1647.7	80°	288.5	220.9	337.9	405.4	777.1	486.0	600.3	784.9	883.6	790.1
358.6	82.5°	36.4	98.8	145.5	158.5	452.2	257.3	348.2	493.8	486.0	421.0
0.0	85°	0.0	18.2	20.8	10.4	194.9	93.6	114.3	161.1	150.7	114.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	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°
5223.7	0°	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7
4677.9	2.5°	4550.6	4457.0	4410.3	4371.3	4407.7	4428.5	4428.5	4516.8	4568.8	4589.6
4238.7	5°	4010.0	3835.9	3719.0	3648.8	3672.2	3698.2	3726.8	3838.5	3913.9	3963.3
3934.7	7.5°	3583.8	3318.7	3155.0	3069.3	3082.2	3100.4	3123.8	3233.0	3308.3	3373.3
3877.5	10°	3373.3	2999.1	2783.4	2679.4	2661.2	2650.8	2643.0	2708.0	2765.2	2817.2
4111.4	12.5°	3383.7	2861.3	2598.9	2471.5	2416.9	2354.6	2305.2	2315.6	2352.0	2416.9
4529.8	15°	3516.3	2817.2	2502.7	2344.2	2253.2	2180.4	2120.7	2107.7	2120.7	2131.1
5008.0	17.5°	3695.6	2812.0	2419.5	2222.0	2128.5	2068.7	2014.1	1995.9	1998.5	2011.5
5325.1	20°	3838.5	2796.4	2326.0	2105.1	2021.9	1969.9	1915.4	1897.2	1902.4	1905.0
5356.2	22.5°	3913.9	2773.0	2222.0	1988.1	1918.0	1866.0	1816.6	1814.0	1814.0	1829.6
5187.3	25°	3913.9	2723.6	2128.5	1876.4	1814.0	1767.2	1707.4	1717.8	1723.0	1743.8
4924.8	27.5°	3820.3	2630.0	2053.1	1780.2	1715.2	1668.5	1613.9	1626.9	1634.7	1658.1
4665.0	30°	3700.8	2518.3	1967.3	1689.3	1613.9	1580.1	1533.3	1538.5	1548.9	1574.9
4423.3	32.5°	3573.4	2385.8	1897.2	1598.3	1522.9	1496.9	1445.0	1452.8	1463.2	1491.7
4184.2	35°	3433.1	2229.8	1814.0	1515.1	1439.8	1419.0	1359.2	1364.4	1380.0	1411.2
3926.9	37.5°	3285.0	2102.5	1730.8	1434.6	1356.6	1335.8	1273.4	1278.6	1296.8	1333.2
3656.6	40°	3139.4	1977.7	1642.5	1348.8	1270.8	1252.6	1185.1	1190.3	1211.1	1250.1
3383.7	42.5°	2980.9	1881.6	1528.1	1260.4	1177.3	1159.1	1096.7	1104.5	1127.9	1166.9
3131.6	45°	2791.2	1819.2	1400.8	1177.3	1083.7	1065.5	1008.4	1024.0	1049.9	1088.9
2915.9	47.5°	2596.3	1793.2	1294.2	1088.9	987.6	972.0	925.2	951.2	979.8	1011.0
2731.4	50°	2409.1	1759.4	1185.1	1005.8	904.4	888.8	857.6	891.4	920.0	948.6
2598.9	52.5°	2196.0	1686.7	1086.3	933.0	834.2	829.0	813.4	844.6	870.6	896.6
2484.5	55°	1975.1	1569.7	1000.6	868.0	774.5	779.7	771.9	797.8	818.6	842.0
2380.6	57.5°	1782.8	1421.6	933.0	797.8	722.5	738.1	727.7	740.7	753.7	782.3
2255.8	60°	1587.9	1244.9	857.6	714.7	670.5	688.7	660.1	657.5	662.7	670.5
2071.3	62.5°	1325.4	1060.3	764.1	641.9	613.3	621.1	566.6	525.0	525.0	532.8
1814.0	65°	1065.5	888.8	660.1	558.8	535.4	530.2	452.2	395.0	389.8	413.2
1515.1	67.5°	875.8	738.1	556.2	465.2	449.6	454.8	397.6	340.5	335.3	361.2
1234.5	70°	725.1	595.1	444.4	358.6	374.2	397.6	340.5	285.9	278.1	301.5
1003.2	72.5°	576.9	465.2	340.5	265.1	309.3	337.9	278.1	226.1	220.9	241.7
774.5	75°	423.6	332.7	231.3	192.3	239.1	265.1	202.7	161.1	153.3	171.5
517.2	77.5°	262.5	187.1	145.5	114.3	163.7	176.7	106.6	93.6	91.0	104.0
314.5	80°	122.1	80.6	70.2	39.0	59.8	70.2	44.2	49.4	52.0	62.4
158.5	82.5°	33.8	13.0	2.6	0.0	0.0	20.8	10.4	20.8	26.0	39.0
13.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	13.0	23.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4
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°
5223.7	0°	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7	5223.7
4735.1	2.5°	4844.3	4948.2	5114.6	5286.1	5455.0	5626.5	5792.9	5852.6
4189.4	5°	4394.7	4633.8	4963.8	5317.3	5681.1	6050.1	6388.0	6541.3
3625.4	7.5°	3893.1	4236.1	4732.5	5286.1	5865.6	6445.2	6977.9	7224.8
3066.7	10°	3357.7	3791.7	4358.3	5106.8	5938.4	6738.8	7471.7	7791.4
2575.5	12.5°	2848.3	3303.1	3929.5	4826.1	5881.2	6907.8	7788.8	8165.6
2229.8	15°	2422.1	2825.0	3500.7	4493.4	5696.7	6918.2	7939.5	8352.7
2037.5	17.5°	2102.5	2365.0	3064.1	4124.4	5455.0	6822.0	7991.5	8433.3
1933.6	20°	1943.9	2016.7	2497.5	3651.4	5228.9	6731.0	8043.5	8508.7
1850.4	22.5°	1850.4	1868.6	2042.7	3040.7	4958.6	6702.5	8134.4	8612.6
1775.0	25°	1775.0	1780.2	1827.0	2409.1	4545.4	6684.3	8274.8	8755.6
1697.1	27.5°	1699.7	1699.7	1725.6	1941.3	3984.0	6606.3	8456.7	8927.1
1619.1	30°	1624.3	1624.3	1642.5	1717.8	3326.5	6453.0	8675.0	9150.6
1541.1	32.5°	1546.3	1546.3	1561.9	1616.5	2656.0	6260.6	8875.1	9376.7
1460.6	35°	1468.4	1463.2	1483.9	1541.1	2112.9	6016.4	9075.2	9621.0
1380.0	37.5°	1385.2	1382.6	1403.4	1468.4	1824.4	5733.1	9225.9	9953.6
1299.4	40°	1296.8	1296.8	1320.2	1390.4	1741.2	5377.0	9465.0	10431.8
1216.3	42.5°	1216.3	1211.1	1237.1	1322.8	1678.9	5036.6	9893.9	11128.3
1140.9	45°	1138.3	1127.9	1151.3	1257.8	1569.7	4917.0	10694.3	12157.5
1068.1	47.5°	1065.5	1039.5	1060.3	1179.9	1471.0	5364.0	12004.1	13584.2
1003.2	50°	1005.8	956.4	974.6	1101.9	1395.6	6333.4	13703.8	15478.8
943.4	52.5°	943.4	878.4	888.8	1005.8	1328.0	7256.0	15546.4	17978.9
883.6	55°	878.4	805.6	810.8	909.6	1231.9	7393.8	17344.8	21388.6
816.0	57.5°	805.6	738.1	738.1	821.2	1161.7	6408.8	18727.4	25619.5
732.9	60°	725.1	680.9	667.9	751.1	1224.1	4522.0	18888.5	28348.3
626.3	62.5°	636.7	613.3	595.1	683.5	1270.8	2679.4	17591.7	27688.2
493.8	65°	535.4	530.2	517.2	751.1	1070.7	1582.7	15102.0	25663.7
421.0	67.5°	449.6	441.8	441.8	787.5	813.4	995.4	11798.8	22877.8
358.6	70°	387.2	358.6	358.6	595.1	493.8	688.7	8238.4	19870.9
296.3	72.5°	324.9	293.7	272.9	475.6	369.0	504.2	5148.3	17017.3
226.1	75°	259.9	236.5	210.5	314.5	275.5	382.0	2991.3	14098.8
142.9	77.5°	187.1	176.7	148.1	231.3	200.1	275.5	1780.2	10878.8
88.4	80°	96.2	98.8	93.6	132.5	135.1	187.1	1013.6	7445.7
57.2	82.5°	57.2	44.2	49.4	65.0	78.0	106.6	382.0	4376.5
41.6	85°	36.4	23.4	23.4	31.2	39.0	41.6	116.9	1775.0
20.8	87.5°	18.2	7.8	10.4	15.6	13.0	10.4	5.2	447.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)