

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: P954394

Luminaire Tested: **GALN-SB7C-930-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954394
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-930-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 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: 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

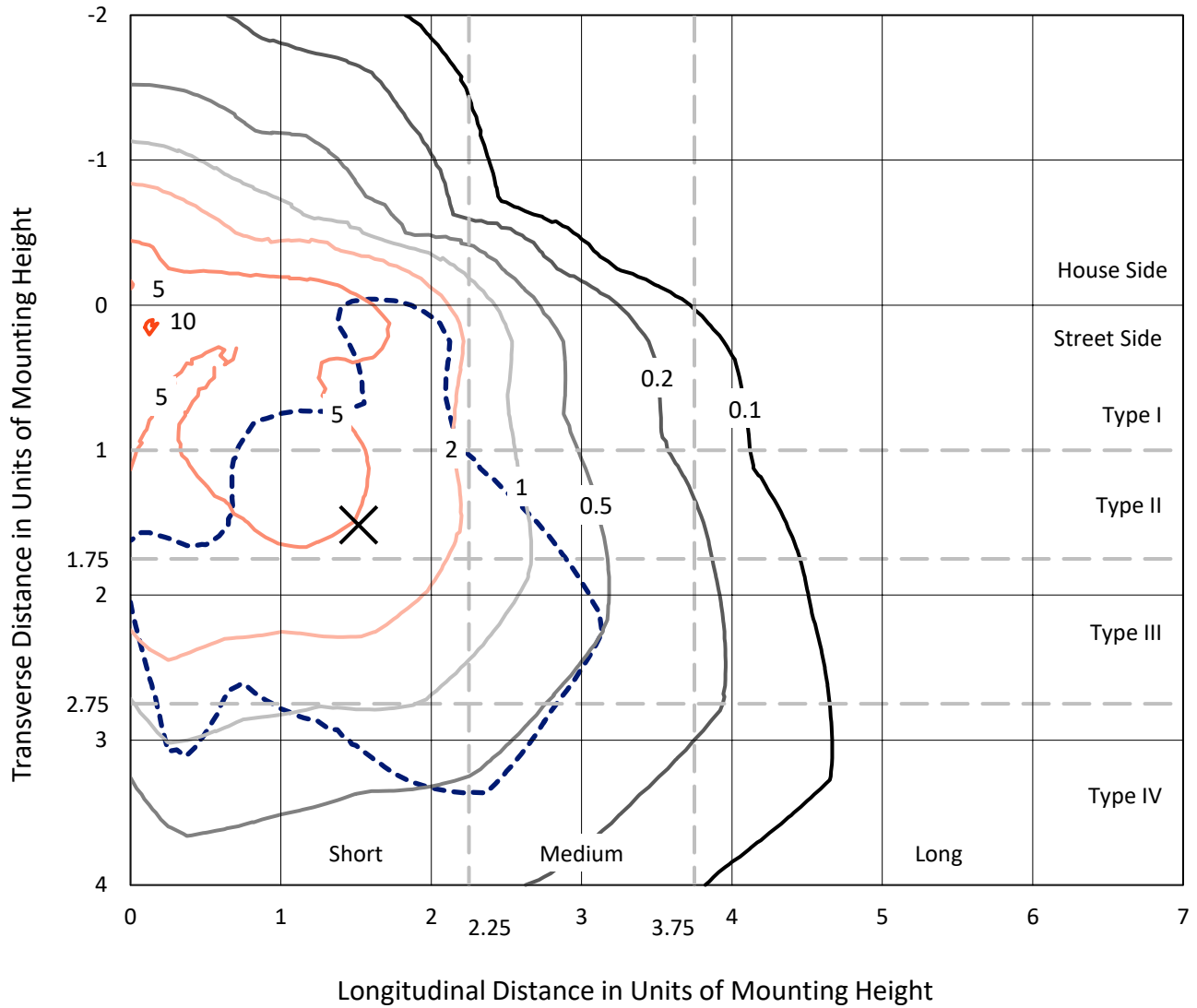
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

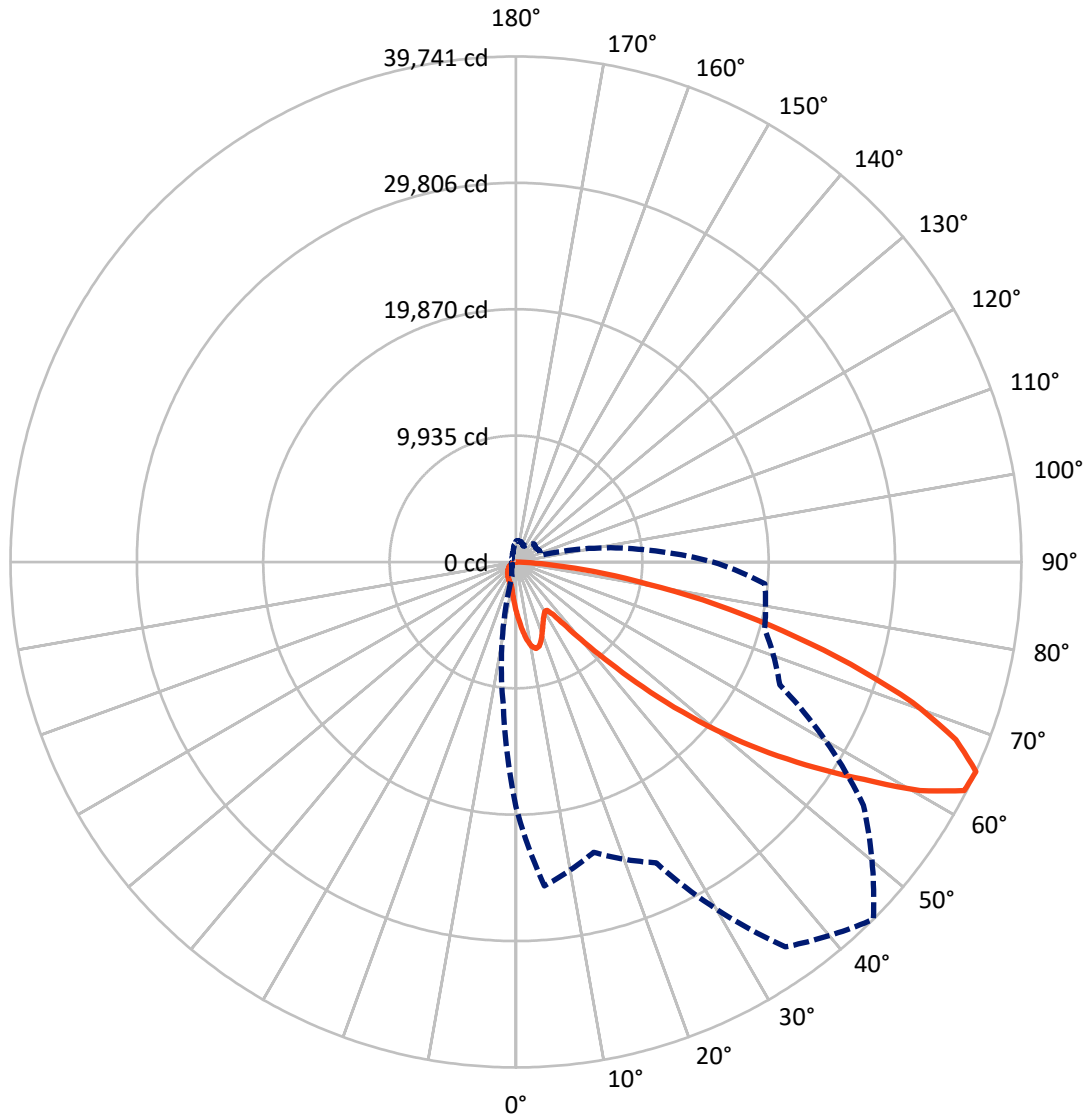
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	5620.6	0.0	5620.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	22656.4	0.0	22656.4
	% Fixture	80.1	0.0	80.1
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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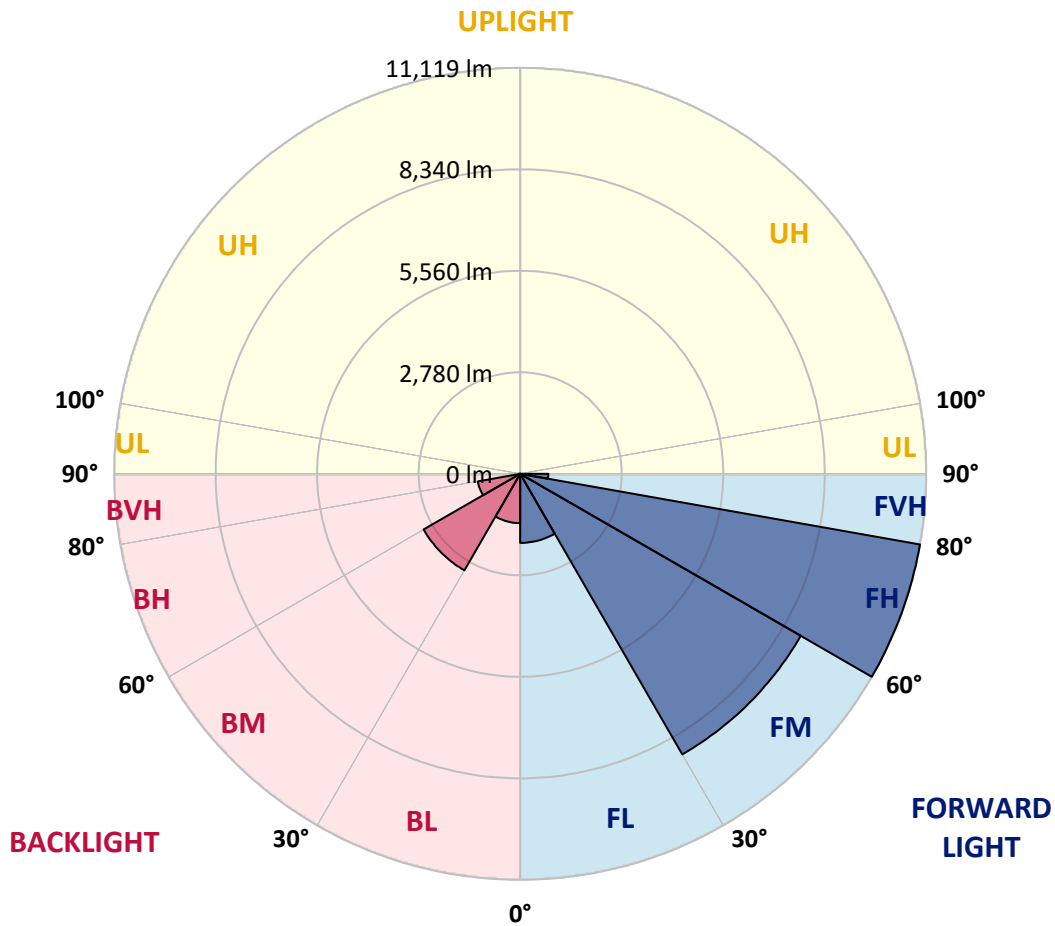
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1892.1	6.7			
FM (30°-60°)	8873.7	31.4			
FH (60°-80°)	11119.4	39.3			G4/12000
FVH (80°-90°)	771.3	2.7			G5
BL (0°-30°)	1351.4	4.8	B3/2500		
BM (30°-60°)	3053.6	10.8	B3/5000		
BH (60°-80°)	1177.6	4.2	B3/2500		G3/2500
BVH (80°-90°)	37.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	4386.9	4420.0	4494.0	4533.0	4593.4	4597.3	4597.3	4544.7	4542.7	4435.6
5°	4903.1	4981.0	5156.3	5337.5	5376.5	5386.2	5366.7	5261.5	5183.6	4975.2
7.5°	5415.4	5565.4	5832.3	6073.8	6151.8	6151.8	6105.0	5933.6	5773.8	5471.9
10°	5840.1	6029.0	6391.4	6662.1	6751.7	6732.3	6636.8	6420.6	6200.5	5834.2
12.5°	6120.6	6332.9	6730.3	6948.5	7040.0	6989.4	6880.3	6669.9	6438.1	6052.4
15°	6260.8	6482.9	6827.7	6942.6	6917.3	6864.7	6851.1	6749.8	6574.5	6214.1
17.5°	6321.2	6527.7	6767.3	6695.2	6481.0	6440.1	6576.4	6705.0	6662.1	6354.3
20°	6377.7	6551.1	6623.2	6303.7	5929.7	5892.7	6153.7	6519.9	6706.9	6484.9
22.5°	6455.6	6562.8	6414.7	5890.7	5487.5	5401.8	5690.1	6241.4	6720.6	6650.4
25°	6562.8	6592.0	6184.9	5499.2	5094.0	5008.3	5277.1	5931.6	6697.2	6829.7
27.5°	6691.3	6631.0	5964.7	5171.9	4780.4	4700.5	4969.3	5633.6	6631.0	7008.9
30°	6858.9	6681.6	5746.6	4918.7	4556.3	4497.9	4757.0	5376.5	6549.1	7236.8
32.5°	7028.3	6703.0	5544.0	4770.6	4505.7	4527.1	4739.5	5238.1	6459.5	7455.0
35°	7211.5	6771.2	5444.6	4916.7	4928.4	5115.4	5203.1	5366.7	6445.9	7751.1
37.5°	7460.8	6923.2	5563.5	5643.3	6048.5	6436.2	6364.1	5995.9	6603.7	8193.2
40°	7819.2	7190.0	6081.6	6880.3	7712.1	8341.3	8066.6	7139.4	7086.8	8830.2
42.5°	8341.3	7614.7	7001.1	8391.9	9802.3	10838.6	10102.3	8614.0	7932.2	9739.9
45°	9112.7	8302.3	8113.4	9987.3	12379.5	14011.9	12480.8	10186.0	9116.6	11117.2
47.5°	10182.1	9313.3	9155.6	11668.5	15511.8	17623.5	15118.3	11643.1	10464.6	12995.0
50°	11602.2	10675.0	10143.2	13507.4	18946.1	21305.2	17754.0	13049.6	12009.4	15289.8
52.5°	13476.2	12574.3	11294.4	15258.6	22477.9	24908.9	20401.3	14284.6	13926.2	17952.7
55°	16032.0	15432.0	12868.4	16930.0	26007.6	28534.2	22945.4	15449.5	16458.6	21116.2
57.5°	19203.3	19631.8	15137.8	18868.2	29180.9	32270.4	25501.1	17078.0	19746.8	24653.8
60°	21248.7	25216.7	19483.8	21733.7	32786.6	36495.6	29003.6	20175.3	23202.5	25921.9
62.5°	20753.9	26993.3	24688.8	25392.0	36102.1	39567.6	32436.0	23286.3	23853.1	24053.8
65°	19236.4	25559.6	23627.2	26103.1	36941.7	39740.9	33353.5	22885.0	20233.8	19637.7
67.5°	17148.2	23859.0	21104.5	24217.4	35424.2	37317.6	31645.1	20243.5	15636.5	14736.5
70°	14894.3	21977.2	19448.7	22101.9	32531.4	33094.4	28740.6	17804.6	11500.9	9952.3
72.5°	12755.4	20017.5	18315.0	19933.8	28672.5	27507.6	24959.6	15648.2	8374.4	7178.3
75°	10567.8	17126.7	16700.1	17358.5	23597.9	21667.5	20738.3	12956.1	6572.5	5193.3
77.5°	8154.3	13382.7	14364.5	13900.9	16610.5	16094.3	16074.8	9736.1	4801.8	3465.5
80°	5581.0	9327.0	11222.4	9806.2	10780.2	10517.2	12106.8	6531.6	3483.0	2086.3
82.5°	3280.4	5678.4	7811.4	4747.3	5960.8	6118.6	7209.5	3177.2	2049.3	481.2
85°	1330.5	2242.1	3054.4	1858.4	2875.2	2425.2	2736.9	892.2	570.8	11.7
87.5°	335.1	716.9	502.6	208.4	333.1	305.8	241.6	109.1	23.4	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):

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
4423.9	2.5°	4347.9	4303.1	4192.1	4081.0	3991.4	3870.7	3790.8	3695.3	3603.8	3522.0
4930.4	5°	4807.6	4659.6	4457.0	4271.9	4083.0	3899.9	3718.7	3527.8	3352.5	3245.4
5358.9	7.5°	5181.7	4920.6	4651.8	4416.1	4188.2	3973.9	3734.3	3502.5	3227.8	3081.7
5686.2	10°	5460.2	5117.4	4764.8	4494.0	4264.1	4055.7	3853.1	3619.4	3288.2	3105.1
5884.9	12.5°	5643.3	5236.2	4823.2	4513.5	4256.4	4094.7	4005.1	3913.5	3584.3	3370.0
6031.0	15°	5769.9	5320.0	4864.1	4468.7	4153.1	4034.3	4123.9	4229.1	4018.7	3771.3
6182.9	17.5°	5908.3	5429.0	4881.7	4347.9	3952.5	3901.8	4133.6	4377.1	4367.4	4121.9
6327.1	20°	6054.4	5524.5	4870.0	4153.1	3709.0	3753.8	4049.9	4332.3	4451.2	4318.7
6492.7	22.5°	6204.3	5616.1	4825.2	3899.9	3481.1	3621.3	3917.4	4164.8	4305.1	4264.1
6695.2	25°	6393.3	5744.6	4758.9	3627.2	3292.1	3486.9	3763.5	3964.2	4061.6	4059.6
6913.4	27.5°	6619.3	5916.0	4723.9	3407.0	3157.7	3335.0	3580.4	3759.6	3827.8	3827.8
7184.2	30°	6882.2	6118.6	4684.9	3262.9	3079.8	3177.2	3368.1	3543.4	3611.6	3611.6
7480.3	32.5°	7174.4	6313.4	4591.4	3175.2	3021.3	3023.3	3144.1	3303.8	3385.6	3397.3
7850.4	35°	7525.1	6521.9	4386.9	3105.1	2953.2	2873.3	2931.7	3064.2	3161.6	3186.9
8378.3	37.5°	7984.8	6777.1	4094.7	3001.9	2848.0	2715.5	2729.1	2830.4	2937.6	2976.5
9106.9	40°	8602.3	7077.0	3790.8	2853.8	2699.9	2542.1	2536.3	2610.3	2715.5	2758.4
10092.5	42.5°	9418.5	7437.4	3500.5	2711.6	2520.7	2359.0	2349.3	2407.7	2499.3	2544.1
11393.8	45°	10462.7	7879.6	3251.2	2600.6	2345.4	2185.6	2181.7	2230.4	2310.3	2357.1
13059.3	47.5°	11913.9	8321.8	3081.7	2542.1	2207.1	2043.4	2051.2	2094.1	2166.2	2199.3
15215.7	50°	13805.4	8456.2	2996.0	2542.1	2133.0	1916.8	1955.8	1990.8	2045.4	2064.9
17800.7	52.5°	15620.9	8012.1	2918.1	2557.7	2142.8	1809.7	1893.4	1918.8	1965.5	1973.3
20196.8	55°	16511.2	6888.1	2810.9	2561.6	2203.2	1718.1	1842.8	1889.6	1907.1	1905.1
21587.6	57.5°	16205.3	5569.3	2629.8	2546.0	2244.1	1659.7	1780.5	1870.1	1881.8	1864.2
21322.7	60°	15132.0	4100.5	2491.5	2431.1	2228.5	1642.2	1685.0	1827.2	1844.7	1821.4
19281.2	62.5°	13332.0	2846.0	2384.3	2177.9	2160.3	1636.3	1535.0	1733.7	1776.6	1743.5
15498.2	65°	10495.8	2010.3	2053.2	1909.0	2012.3	1605.1	1379.2	1620.7	1679.2	1628.5
11243.8	67.5°	7102.4	1451.3	1663.6	1729.8	1772.7	1535.0	1266.2	1492.2	1570.1	1503.8
7215.4	70°	3835.6	1018.8	1098.7	1457.1	1505.8	1414.2	1164.9	1361.6	1451.3	1379.2
5129.1	72.5°	2265.5	732.4	769.5	1170.7	1254.5	1244.8	1051.9	1209.7	1318.8	1233.1
3539.5	75°	1248.7	494.8	549.3	849.3	1018.8	960.4	903.9	1024.6	1135.7	1051.9
2218.8	77.5°	559.1	296.1	381.8	557.1	800.6	658.4	699.3	798.7	901.9	814.3
1235.0	80°	216.2	165.6	253.2	303.9	582.4	364.3	450.0	588.3	662.3	592.2
268.8	82.5°	27.3	74.0	109.1	118.8	339.0	192.9	261.0	370.1	364.3	315.6
0.0	85°	0.0	13.6	15.6	7.8	146.1	70.1	85.7	120.8	113.0	85.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	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
3506.4	2.5°	3410.9	3340.8	3305.7	3276.5	3303.8	3319.4	3319.4	3385.6	3424.6	3440.2
3177.2	5°	3005.7	2875.2	2787.6	2735.0	2752.5	2772.0	2793.4	2877.2	2933.7	2970.7
2949.3	7.5°	2686.3	2487.6	2364.9	2300.6	2310.3	2324.0	2341.5	2423.3	2479.8	2528.5
2906.4	10°	2528.5	2248.0	2086.3	2008.4	1994.7	1986.9	1981.1	2029.8	2072.7	2111.6
3081.7	12.5°	2536.3	2144.7	1948.0	1852.5	1811.6	1764.9	1727.9	1735.7	1762.9	1811.6
3395.3	15°	2635.6	2111.6	1875.9	1757.1	1688.9	1634.4	1589.6	1579.8	1589.6	1597.4
3753.8	17.5°	2770.0	2107.7	1813.6	1665.5	1595.4	1550.6	1509.7	1496.1	1498.0	1507.7
3991.4	20°	2877.2	2096.0	1743.5	1577.9	1515.5	1476.6	1435.7	1422.0	1425.9	1427.9
4014.8	22.5°	2933.7	2078.5	1665.5	1490.2	1437.6	1398.7	1361.6	1359.7	1359.7	1371.4
3888.2	25°	2933.7	2041.5	1595.4	1406.4	1359.7	1324.6	1279.8	1287.6	1291.5	1307.1
3691.4	27.5°	2863.5	1971.4	1538.9	1334.4	1285.7	1250.6	1209.7	1219.4	1225.3	1242.8
3496.6	30°	2773.9	1887.6	1474.6	1266.2	1209.7	1184.4	1149.3	1153.2	1161.0	1180.5
3315.5	32.5°	2678.5	1788.3	1422.0	1198.0	1141.5	1122.0	1083.1	1088.9	1096.7	1118.1
3136.3	35°	2573.3	1671.4	1359.7	1135.7	1079.2	1063.6	1018.8	1022.7	1034.4	1057.8
2943.4	37.5°	2462.3	1575.9	1297.4	1075.3	1016.9	1001.3	954.5	958.4	972.0	999.3
2740.8	40°	2353.2	1482.4	1231.1	1011.0	952.6	938.9	888.3	892.2	907.8	937.0
2536.3	42.5°	2234.3	1410.3	1145.4	944.8	882.4	868.8	822.1	827.9	845.4	874.6
2347.3	45°	2092.1	1363.6	1050.0	882.4	812.3	798.7	755.8	767.5	787.0	816.2
2185.6	47.5°	1946.0	1344.1	970.1	816.2	740.2	728.5	693.5	713.0	734.4	757.8
2047.3	50°	1805.8	1318.8	888.3	753.9	677.9	666.2	642.8	668.2	689.6	711.0
1948.0	52.5°	1646.1	1264.2	814.3	699.3	625.3	621.4	609.7	633.1	652.6	672.1
1862.3	55°	1480.5	1176.6	750.0	650.6	580.5	584.4	578.6	598.0	613.6	631.1
1784.4	57.5°	1336.3	1065.6	699.3	598.0	541.5	553.2	545.4	555.2	564.9	586.3
1690.9	60°	1190.2	933.1	642.8	535.7	502.6	516.2	494.8	492.8	496.7	502.6
1552.5	62.5°	993.5	794.8	572.7	481.2	459.7	465.6	424.7	393.5	393.5	399.3
1359.7	65°	798.7	666.2	494.8	418.8	401.3	397.4	339.0	296.1	292.2	309.7
1135.7	67.5°	656.5	553.2	416.9	348.7	337.0	340.9	298.0	255.2	251.3	270.8
925.3	70°	543.5	446.1	333.1	268.8	280.5	298.0	255.2	214.3	208.4	226.0
751.9	72.5°	432.5	348.7	255.2	198.7	231.8	253.2	208.4	169.5	165.6	181.2
580.5	75°	317.5	249.3	173.4	144.2	179.2	198.7	151.9	120.8	114.9	128.6
387.6	77.5°	196.7	140.3	109.1	85.7	122.7	132.5	79.9	70.1	68.2	77.9
235.7	80°	91.6	60.4	52.6	29.2	44.8	52.6	33.1	37.0	39.0	46.8
118.8	82.5°	25.3	9.7	1.9	0.0	0.0	15.6	7.8	15.6	19.5	29.2
9.7	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.7	17.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8
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
3549.2	2.5°	3631.1	3709.0	3833.6	3962.2	4088.8	4217.4	4342.1	4386.9
3140.2	5°	3294.1	3473.3	3720.7	3985.6	4258.3	4534.9	4788.2	4903.1
2717.4	7.5°	2918.1	3175.2	3547.3	3962.2	4396.6	4831.0	5230.4	5415.4
2298.6	10°	2516.8	2842.1	3266.8	3827.8	4451.2	5051.1	5600.5	5840.1
1930.5	12.5°	2135.0	2475.9	2945.4	3617.4	4408.3	5177.8	5838.1	6120.6
1671.4	15°	1815.5	2117.5	2623.9	3368.1	4270.0	5185.5	5951.1	6260.8
1527.2	17.5°	1575.9	1772.7	2296.7	3091.5	4088.8	5113.5	5990.1	6321.2
1449.3	20°	1457.1	1511.6	1872.0	2736.9	3919.4	5045.3	6029.0	6377.7
1387.0	22.5°	1387.0	1400.6	1531.1	2279.1	3716.8	5023.9	6097.2	6455.6
1330.5	25°	1330.5	1334.4	1369.4	1805.8	3407.0	5010.2	6202.4	6562.8
1272.0	27.5°	1274.0	1274.0	1293.5	1455.1	2986.3	4951.8	6338.8	6691.3
1213.6	30°	1217.5	1217.5	1231.1	1287.6	2493.4	4836.9	6502.4	6858.9
1155.2	32.5°	1159.1	1159.1	1170.7	1211.6	1990.8	4692.7	6652.4	7028.3
1094.8	35°	1100.6	1096.7	1112.3	1155.2	1583.7	4509.6	6802.4	7211.5
1034.4	37.5°	1038.3	1036.3	1051.9	1100.6	1367.5	4297.3	6915.4	7460.8
974.0	40°	972.0	972.0	989.6	1042.2	1305.2	4030.4	7094.6	7819.2
911.7	42.5°	911.7	907.8	927.2	991.5	1258.4	3775.2	7416.0	8341.3
855.2	45°	853.2	845.4	863.0	942.8	1176.6	3685.6	8016.0	9112.7
800.6	47.5°	798.7	779.2	794.8	884.4	1102.6	4020.7	8997.8	10182.1
751.9	50°	753.9	716.9	730.5	825.9	1046.1	4747.3	10271.8	11602.2
707.1	52.5°	707.1	658.4	666.2	753.9	995.4	5438.8	11652.9	13476.2
662.3	55°	658.4	603.9	607.8	681.8	923.3	5542.0	13000.9	16032.0
611.7	57.5°	603.9	553.2	553.2	615.6	870.8	4803.7	14037.2	19203.3
549.3	60°	543.5	510.4	500.6	563.0	917.5	3389.5	14158.0	21248.7
469.5	62.5°	477.3	459.7	446.1	512.3	952.6	2008.4	13185.9	20753.9
370.1	65°	401.3	397.4	387.6	563.0	802.6	1186.3	11319.8	19236.4
315.6	67.5°	337.0	331.2	331.2	590.2	609.7	746.1	8843.9	17148.2
268.8	70°	290.3	268.8	268.8	446.1	370.1	516.2	6175.1	14894.3
222.1	72.5°	243.5	220.1	204.5	356.5	276.6	377.9	3859.0	12755.4
169.5	75°	194.8	177.3	157.8	235.7	206.5	286.4	2242.1	10567.8
107.1	77.5°	140.3	132.5	111.0	173.4	150.0	206.5	1334.4	8154.3
66.2	80°	72.1	74.0	70.1	99.3	101.3	140.3	759.7	5581.0
42.9	82.5°	42.9	33.1	37.0	48.7	58.4	79.9	286.4	3280.4
31.2	85°	27.3	17.5	17.5	23.4	29.2	31.2	87.7	1330.5
15.6	87.5°	13.6	5.8	7.8	11.7	9.7	7.8	3.9	335.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)