

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: P952483

Luminaire Tested: **GALN-SB6B-827-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952483
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-SB6B-827-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 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: 22661 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

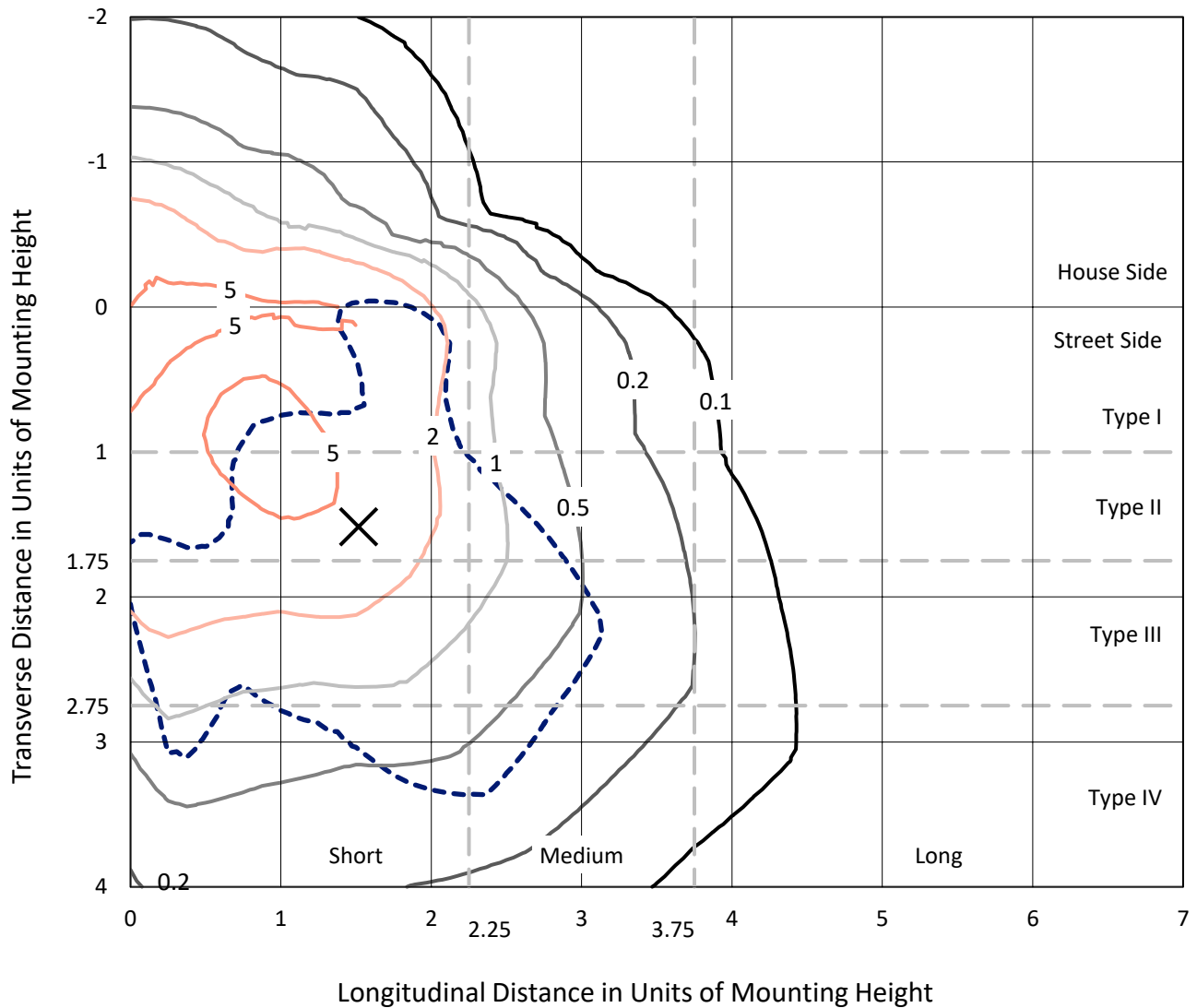
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

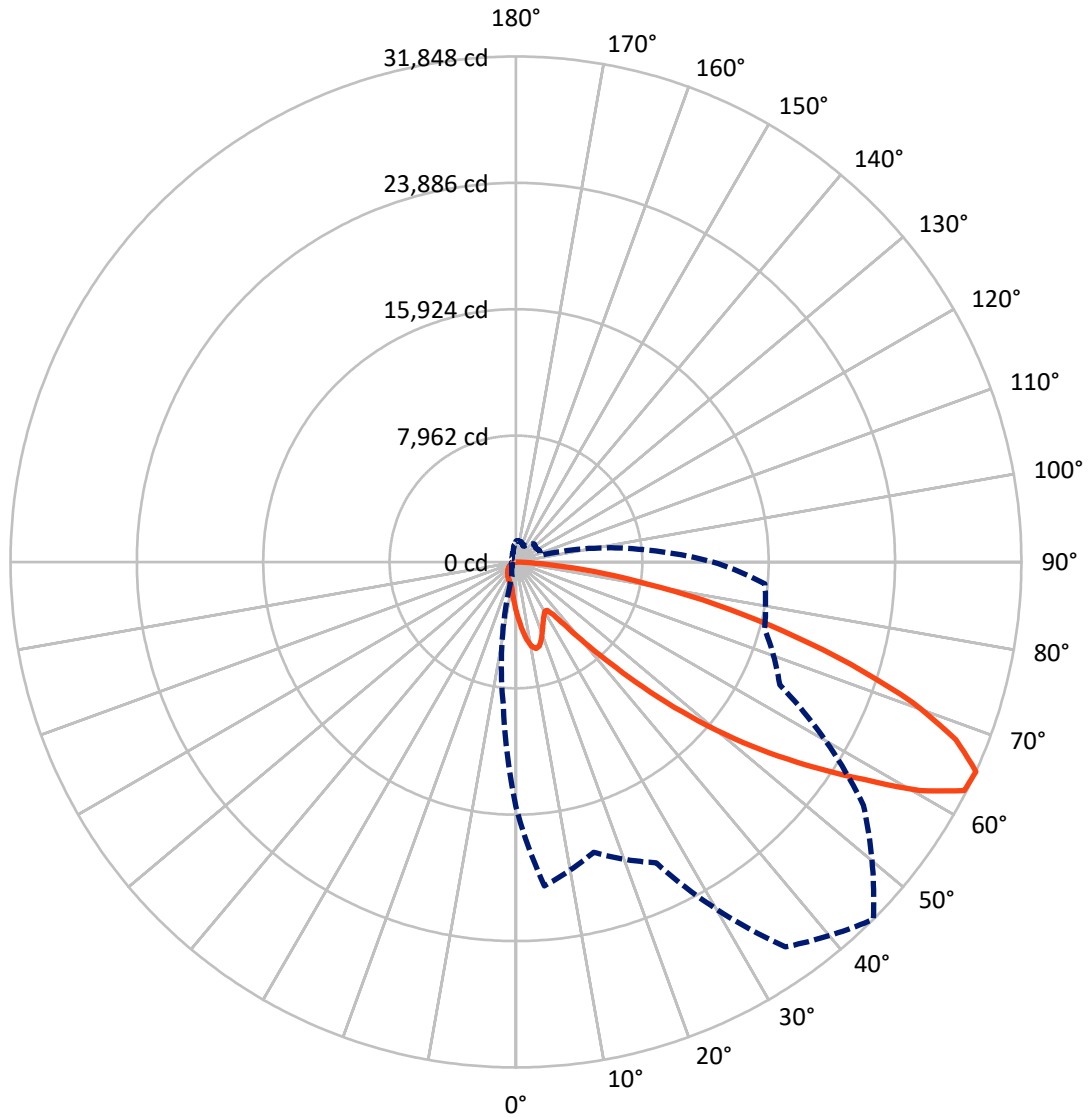
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	4504.3	0.0	4504.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	18156.7	0.0	18156.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	22661.0	0.0	22661.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.9	1.4
10°-20°	926.1	4.1
20°-30°	1364.3	6.0
30°-40°	1752.8	7.7
40°-50°	2834.7	12.5
50°-60°	4971.0	21.9
60°-70°	6220.0	27.4
70°-80°	3634.7	16.0
80°-90°	648.5	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°	22661.0	100.0
0°-180°	22661.0	100.0



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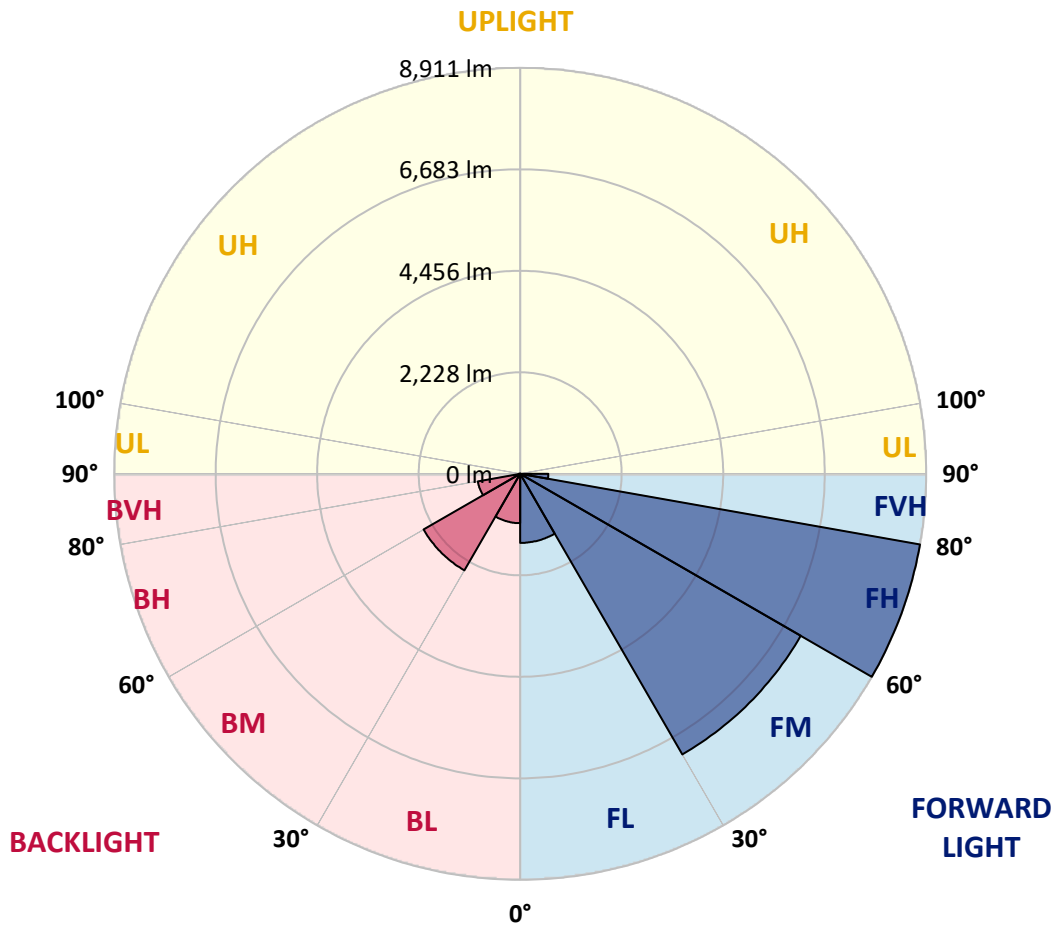
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1516.3	6.7			
FM (30°-60°)	7111.3	31.4			
FH (60°-80°)	8911.0	39.3			G4/12000
FVH (80°-90°)	618.1	2.7			G4/750
BL (0°-30°)	1083.0	4.8	B3/2500		
BM (30°-60°)	2447.2	10.8	B2/2500		
BH (60°-80°)	943.7	4.2	B2/1000		G2/1000
BVH (80°-90°)	30.4	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8
2.5°	3515.6	3542.1	3601.5	3632.7	3681.1	3684.2	3684.2	3642.1	3640.5	3554.6
5°	3929.3	3991.7	4132.2	4277.4	4308.7	4316.5	4300.8	4216.5	4154.1	3987.1
7.5°	4339.9	4460.1	4674.0	4867.5	4930.0	4930.0	4892.5	4755.1	4627.1	4385.1
10°	4680.2	4831.6	5122.0	5339.0	5410.8	5395.2	5318.7	5145.4	4969.0	4675.5
12.5°	4905.0	5075.2	5393.6	5568.5	5641.8	5601.2	5513.8	5345.2	5159.5	4850.4
15°	5017.4	5195.4	5471.7	5563.8	5543.5	5501.3	5490.4	5409.2	5268.7	4979.9
17.5°	5065.8	5231.3	5423.3	5365.5	5193.8	5161.0	5270.3	5373.3	5339.0	5092.3
20°	5111.1	5250.0	5307.8	5051.7	4752.0	4722.3	4931.5	5225.0	5374.9	5196.9
22.5°	5173.5	5259.4	5140.7	4720.8	4397.6	4328.9	4560.0	5001.8	5385.8	5329.6
25°	5259.4	5282.8	4956.5	4407.0	4082.3	4013.6	4229.0	4753.6	5367.1	5473.2
27.5°	5362.4	5314.0	4780.1	4144.7	3831.0	3766.9	3982.4	4514.7	5314.0	5616.9
30°	5496.7	5354.6	4605.3	3941.8	3651.4	3604.6	3812.2	4308.7	5248.4	5799.5
32.5°	5632.5	5371.8	4442.9	3823.1	3610.8	3628.0	3798.2	4197.8	5176.6	5974.4
35°	5779.2	5426.4	4363.3	3940.2	3949.6	4099.5	4169.7	4300.8	5165.7	6211.6
37.5°	5979.0	5548.2	4458.5	4522.5	4847.2	5157.9	5100.1	4805.1	5292.1	6566.0
40°	6266.3	5762.0	4873.8	5513.8	6180.4	6684.7	6464.5	5721.5	5679.3	7076.5
42.5°	6684.7	6102.4	5610.6	6725.2	7855.5	8686.0	8095.9	6903.2	6356.8	7805.5
45°	7302.9	6653.4	6502.0	8003.8	9920.8	11229.0	10002.0	8163.0	7306.0	8909.2
47.5°	8159.9	7463.6	7337.2	9351.0	12431.1	14123.3	12115.7	9330.7	8386.3	10414.1
50°	9297.9	8554.9	8128.7	10824.7	15183.3	17073.8	14227.9	10457.9	9624.2	12253.1
52.5°	10799.7	10076.9	9051.3	12228.1	18013.6	19961.9	16349.5	11447.6	11160.3	14387.2
55°	12847.9	12367.1	10312.7	13567.6	20842.3	22867.1	18388.3	12381.1	13189.8	16922.4
57.5°	15389.4	15732.8	12131.4	15120.9	23385.4	25861.3	20436.4	13686.2	15824.9	19757.4
60°	17028.5	20208.5	15614.2	17417.3	26275.0	29247.3	23243.3	16168.4	18594.3	20773.6
62.5°	16632.0	21632.2	19785.5	20349.0	28932.0	31709.2	25994.0	18661.5	19115.7	19276.5
65°	15415.9	20483.3	18934.7	20918.8	29604.8	31848.1	26729.3	18339.9	16215.2	15737.5
67.5°	13742.4	19120.4	16913.0	19407.7	28388.7	29906.1	25360.2	16223.0	12531.0	11809.8
70°	11936.2	17612.4	15586.1	17712.3	26070.5	26521.6	23032.6	14268.5	9216.8	7975.7
72.5°	10222.1	16041.9	14677.5	15974.8	22977.9	22044.4	20002.5	12540.4	6711.2	5752.7
75°	8469.0	13725.2	13383.4	13911.0	18911.2	17364.2	16619.5	10382.9	5267.2	4161.9
77.5°	6534.8	10724.8	11511.6	11140.1	13311.6	12897.9	12882.2	7802.4	3848.1	2777.2
80°	4472.6	7474.6	8993.5	7858.6	8639.2	8428.4	9702.3	5234.4	2791.3	1671.9
82.5°	2628.9	4550.6	6260.0	3804.4	4777.0	4903.4	5777.7	2546.2	1642.3	385.6
85°	1066.2	1796.8	2447.8	1489.3	2304.2	1943.6	2193.4	715.0	457.4	9.4
87.5°	268.5	574.5	402.8	167.0	266.9	245.1	193.6	87.4	18.7	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°
3137.8	0°	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8
3545.3	2.5°	3484.4	3448.5	3359.5	3270.5	3198.7	3101.9	3037.9	2961.4	2888.0	2822.5
3951.2	5°	3852.8	3734.2	3571.8	3423.5	3272.1	3125.3	2980.2	2827.2	2686.7	2600.8
4294.6	7.5°	4152.5	3943.4	3727.9	3539.0	3356.4	3184.7	2992.6	2806.9	2586.8	2469.7
4556.9	10°	4375.8	4101.0	3818.5	3601.5	3417.3	3250.2	3087.9	2900.5	2635.1	2488.4
4716.1	12.5°	4522.5	4196.3	3865.3	3617.1	3411.0	3281.4	3209.6	3136.3	2872.4	2700.7
4833.2	15°	4624.0	4263.4	3898.1	3581.2	3328.3	3233.1	3304.9	3389.2	3220.6	3022.3
4955.0	17.5°	4734.8	4350.8	3912.1	3484.4	3167.5	3126.9	3312.7	3507.8	3500.0	3303.3
5070.5	20°	4851.9	4427.3	3902.8	3328.3	2972.3	3008.3	3245.5	3471.9	3567.1	3461.0
5203.2	22.5°	4972.1	4500.7	3866.9	3125.3	2789.7	2902.1	3139.4	3337.6	3450.0	3417.3
5365.5	25°	5123.6	4603.7	3813.8	2906.8	2638.3	2794.4	3016.1	3176.9	3254.9	3253.3
5540.4	27.5°	5304.6	4741.1	3785.7	2730.4	2530.6	2672.6	2869.3	3012.9	3067.6	3067.6
5757.4	30°	5515.4	4903.4	3754.5	2614.9	2468.1	2546.2	2699.2	2839.7	2894.3	2894.3
5994.6	32.5°	5749.6	5059.5	3679.5	2544.6	2421.3	2422.8	2519.6	2647.6	2713.2	2722.6
6291.3	35°	6030.6	5226.6	3515.6	2488.4	2366.6	2302.6	2349.5	2455.6	2533.7	2554.0
6714.3	37.5°	6399.0	5431.1	3281.4	2405.7	2282.3	2176.2	2187.1	2268.3	2354.1	2385.4
7298.2	40°	6893.8	5671.5	3037.9	2287.0	2163.7	2037.2	2032.6	2091.9	2176.2	2210.5
8088.1	42.5°	7547.9	5960.3	2805.3	2173.1	2020.1	1890.5	1882.7	1929.5	2002.9	2038.8
9130.9	45°	8384.7	6314.7	2605.5	2084.1	1879.6	1751.6	1748.4	1787.5	1851.5	1888.9
10465.7	47.5°	9547.7	6669.0	2469.7	2037.2	1768.7	1637.6	1643.8	1678.2	1736.0	1762.5
12193.8	50°	11063.6	6776.8	2401.0	2037.2	1709.4	1536.1	1567.4	1595.5	1639.2	1654.8
14265.4	52.5°	12518.5	6420.8	2338.5	2049.7	1717.2	1450.3	1517.4	1537.7	1575.2	1581.4
16185.5	55°	13231.9	5520.1	2252.7	2052.9	1765.6	1376.9	1476.8	1514.3	1528.3	1526.8
17300.2	57.5°	12986.8	4463.2	2107.5	2040.4	1798.4	1330.1	1426.9	1498.7	1508.0	1494.0
17087.9	60°	12126.7	3286.1	1996.7	1948.3	1785.9	1316.0	1350.4	1464.3	1478.4	1459.6
15451.8	62.5°	10684.2	2280.8	1910.8	1745.3	1731.3	1311.3	1230.2	1389.4	1423.7	1397.2
12420.2	65°	8411.2	1611.1	1645.4	1529.9	1612.6	1286.4	1105.3	1298.8	1345.7	1305.1
9010.7	67.5°	5691.8	1163.0	1333.2	1386.3	1420.6	1230.2	1014.7	1195.8	1258.3	1205.2
5782.3	70°	3073.8	816.5	880.5	1167.7	1206.7	1133.4	933.5	1091.2	1163.0	1105.3
4110.4	72.5°	1815.6	587.0	616.6	938.2	1005.4	997.5	843.0	969.4	1056.9	988.2
2836.5	75°	1000.7	396.5	440.2	680.6	816.5	769.6	724.4	821.1	910.1	843.0
1778.1	77.5°	448.0	237.3	306.0	446.5	641.6	527.7	560.4	640.1	722.8	652.5
989.7	80°	173.3	132.7	202.9	243.5	466.8	291.9	360.6	471.5	530.8	474.6
215.4	82.5°	21.9	59.3	87.4	95.2	271.6	154.5	209.2	296.6	291.9	252.9
0.0	85°	0.0	10.9	12.5	6.2	117.1	56.2	68.7	96.8	90.5	68.7
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°
3137.8	0°	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8
2810.0	2.5°	2733.5	2677.3	2649.2	2625.8	2647.6	2660.1	2660.1	2713.2	2744.4	2756.9
2546.2	5°	2408.8	2304.2	2233.9	2191.8	2205.8	2221.5	2238.6	2305.8	2351.0	2380.7
2363.5	7.5°	2152.8	1993.5	1895.2	1843.7	1851.5	1862.4	1876.4	1942.0	1987.3	2026.3
2329.2	10°	2026.3	1801.5	1671.9	1609.5	1598.6	1592.3	1587.6	1626.7	1661.0	1692.2
2469.7	12.5°	2032.6	1718.8	1561.1	1484.6	1451.8	1414.4	1384.7	1390.9	1412.8	1451.8
2721.0	15°	2112.2	1692.2	1503.3	1408.1	1353.5	1309.8	1273.9	1266.1	1273.9	1280.1
3008.3	17.5°	2219.9	1689.1	1453.4	1334.7	1278.5	1242.6	1209.9	1198.9	1200.5	1208.3
3198.7	20°	2305.8	1679.8	1397.2	1264.5	1214.5	1183.3	1150.5	1139.6	1142.7	1144.3
3217.4	22.5°	2351.0	1665.7	1334.7	1194.2	1152.1	1120.9	1091.2	1089.7	1089.7	1099.0
3116.0	25°	2351.0	1636.0	1278.5	1127.1	1089.7	1061.6	1025.6	1031.9	1035.0	1047.5
2958.3	27.5°	2294.8	1579.8	1233.3	1069.4	1030.3	1002.2	969.4	977.3	981.9	996.0
2802.2	30°	2223.0	1512.7	1181.8	1014.7	969.4	949.2	921.1	924.2	930.4	946.0
2657.0	32.5°	2146.5	1433.1	1139.6	960.1	914.8	899.2	868.0	872.7	878.9	896.1
2513.4	35°	2062.2	1339.4	1089.7	910.1	864.9	852.4	816.5	819.6	828.9	847.7
2358.8	37.5°	1973.2	1262.9	1039.7	861.7	814.9	802.4	764.9	768.1	779.0	800.8
2196.5	40°	1885.8	1188.0	986.6	810.2	763.4	752.5	711.9	715.0	727.5	750.9
2032.6	42.5°	1790.6	1130.2	917.9	757.1	707.2	696.3	658.8	663.5	677.5	700.9
1881.1	45°	1676.6	1092.8	841.4	707.2	651.0	640.1	605.7	615.1	630.7	654.1
1751.6	47.5°	1559.5	1077.2	777.4	654.1	593.2	583.9	555.8	571.4	588.5	607.3
1640.7	50°	1447.1	1056.9	711.9	604.1	543.3	533.9	515.2	535.5	552.6	569.8
1561.1	52.5°	1319.1	1013.2	652.5	560.4	501.1	498.0	488.6	507.4	523.0	538.6
1492.4	55°	1186.4	942.9	601.0	521.4	465.2	468.3	463.6	479.3	491.7	505.8
1430.0	57.5°	1070.9	853.9	560.4	479.3	434.0	443.4	437.1	444.9	452.7	469.9
1355.0	60°	953.8	747.8	515.2	429.3	402.8	413.7	396.5	395.0	398.1	402.8
1244.2	62.5°	796.2	636.9	459.0	385.6	368.4	373.1	340.3	315.3	315.3	320.0
1089.7	65°	640.1	533.9	396.5	335.6	321.6	318.5	271.6	237.3	234.2	248.2
910.1	67.5°	526.1	443.4	334.1	279.4	270.1	273.2	238.8	204.5	201.4	217.0
741.5	70°	435.5	357.5	266.9	215.4	224.8	238.8	204.5	171.7	167.0	181.1
602.6	72.5°	346.6	279.4	204.5	159.2	185.8	202.9	167.0	135.8	132.7	145.2
465.2	75°	254.5	199.8	138.9	115.5	143.6	159.2	121.8	96.8	92.1	103.0
310.7	77.5°	157.7	112.4	87.4	68.7	98.3	106.2	64.0	56.2	54.6	62.4
188.9	80°	73.4	48.4	42.1	23.4	35.9	42.1	26.5	29.7	31.2	37.5
95.2	82.5°	20.3	7.8	1.6	0.0	0.0	12.5	6.2	12.5	15.6	23.4
7.8	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	7.8	14.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
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):

285°		295°	305°	315°	325°	335°	345°	355°	360°
3137.8	0°	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8	3137.8
2844.3	2.5°	2909.9	2972.3	3072.3	3175.3	3276.8	3379.8	3479.7	3515.6
2516.5	5°	2639.8	2783.5	2981.7	3194.0	3412.6	3634.3	3837.2	3929.3
2177.7	7.5°	2338.5	2544.6	2842.8	3175.3	3523.4	3871.5	4191.6	4339.9
1842.1	10°	2016.9	2277.7	2618.0	3067.6	3567.1	4047.9	4488.2	4680.2
1547.1	12.5°	1711.0	1984.2	2360.4	2899.0	3532.8	4149.4	4678.6	4905.0
1339.4	15°	1455.0	1696.9	2102.8	2699.2	3421.9	4155.7	4769.2	5017.4
1223.9	17.5°	1262.9	1420.6	1840.5	2477.5	3276.8	4097.9	4800.4	5065.8
1161.5	20°	1167.7	1211.4	1500.2	2193.4	3140.9	4043.3	4831.6	5111.1
1111.5	22.5°	1111.5	1122.4	1227.0	1826.5	2978.6	4026.1	4886.3	5173.5
1066.2	25°	1066.2	1069.4	1097.5	1447.1	2730.4	4015.2	4970.6	5259.4
1019.4	27.5°	1021.0	1021.0	1036.6	1166.1	2393.2	3968.3	5079.8	5362.4
972.6	30°	975.7	975.7	986.6	1031.9	1998.2	3876.2	5211.0	5496.7
925.7	32.5°	928.9	928.9	938.2	971.0	1595.5	3760.7	5331.2	5632.5
877.3	35°	882.0	878.9	891.4	925.7	1269.2	3614.0	5451.4	5779.2
828.9	37.5°	832.1	830.5	843.0	882.0	1095.9	3443.8	5541.9	5979.0
780.6	40°	779.0	779.0	793.0	835.2	1045.9	3229.9	5685.5	6266.3
730.6	42.5°	730.6	727.5	743.1	794.6	1008.5	3025.4	5943.1	6684.7
685.3	45°	683.8	677.5	691.6	755.6	942.9	2953.6	6424.0	7302.9
641.6	47.5°	640.1	624.4	636.9	708.7	883.6	3222.1	7210.7	8159.9
602.6	50°	604.1	574.5	585.4	661.9	838.3	3804.4	8231.7	9297.9
566.7	52.5°	566.7	527.7	533.9	604.1	797.7	4358.6	9338.5	10799.7
530.8	55°	527.7	483.9	487.1	546.4	740.0	4441.3	10418.8	12847.9
490.2	57.5°	483.9	443.4	443.4	493.3	697.8	3849.7	11249.3	15389.4
440.2	60°	435.5	409.0	401.2	451.2	735.3	2716.3	11346.1	17028.5
376.2	62.5°	382.5	368.4	357.5	410.6	763.4	1609.5	10567.1	16632.0
296.6	65°	321.6	318.5	310.7	451.2	643.2	950.7	9071.6	15415.9
252.9	67.5°	270.1	265.4	265.4	473.0	488.6	597.9	7087.4	13742.4
215.4	70°	232.6	215.4	215.4	357.5	296.6	413.7	4948.7	11936.2
178.0	72.5°	195.1	176.4	163.9	285.7	221.7	302.9	3092.6	10222.1
135.8	75°	156.1	142.1	126.4	188.9	165.5	229.5	1796.8	8469.0
85.9	77.5°	112.4	106.2	89.0	138.9	120.2	165.5	1069.4	6534.8
53.1	80°	57.8	59.3	56.2	79.6	81.2	112.4	608.8	4472.6
34.3	82.5°	34.3	26.5	29.7	39.0	46.8	64.0	229.5	2628.9
25.0	85°	21.9	14.0	14.0	18.7	23.4	25.0	70.2	1066.2
12.5	87.5°	10.9	4.7	6.2	9.4	7.8	6.2	3.1	268.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)