

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: P945344

Luminaire Tested: **GALN-SB1B-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1B-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4881 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

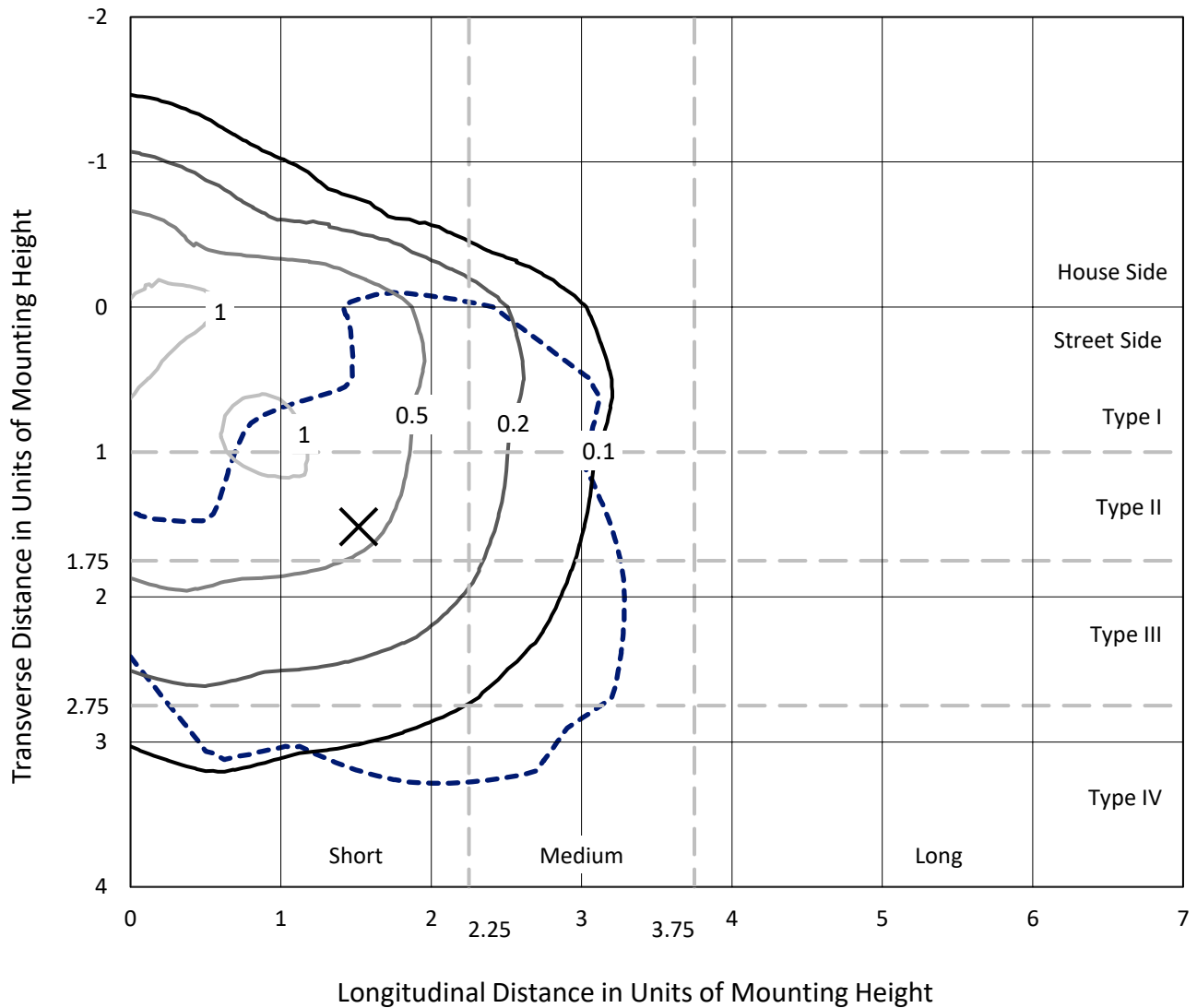
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

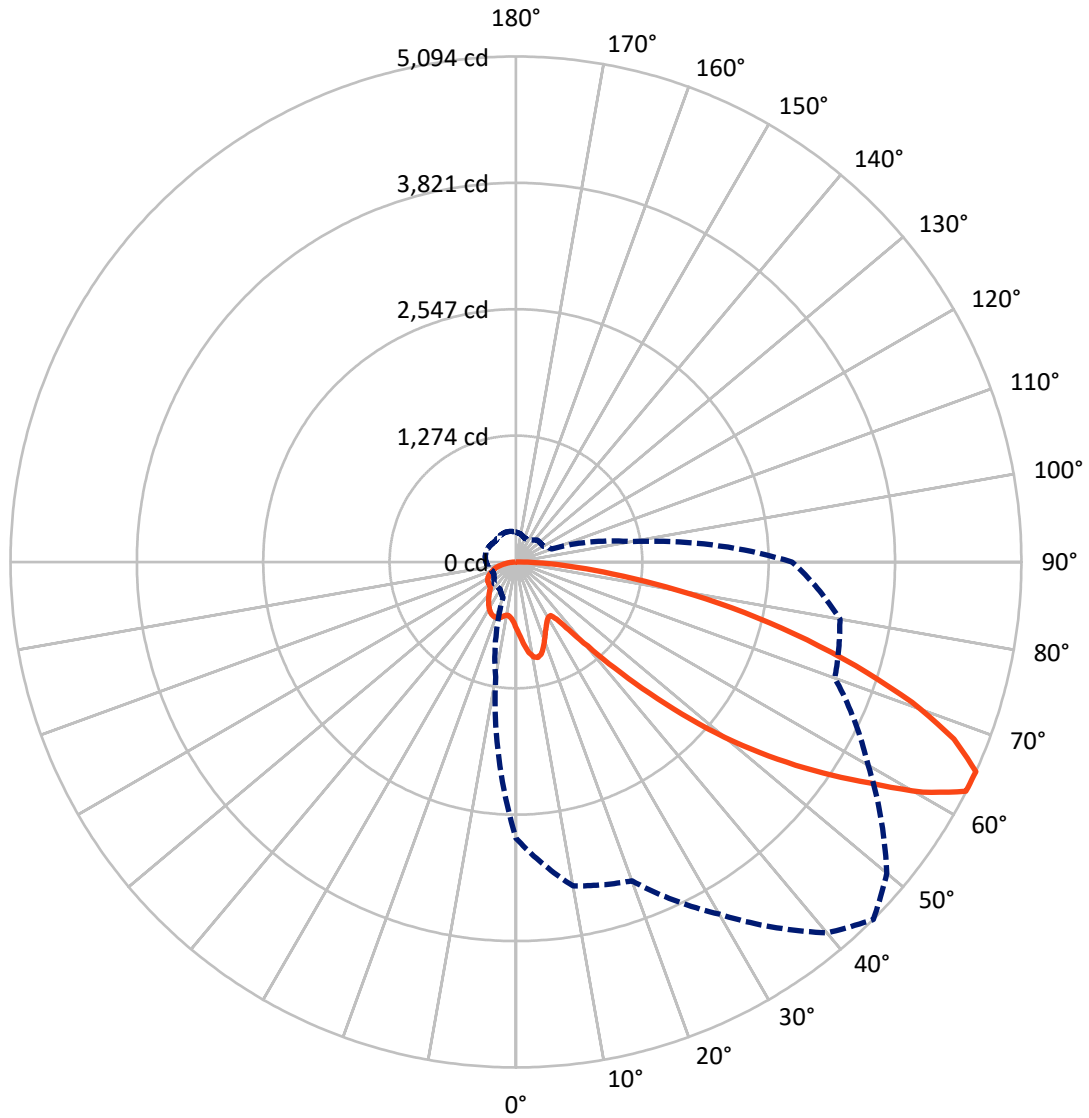
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	1240.5	0.0	1240.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	3640.5	0.0	3640.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	4881.0	0.0	4881.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.4
10°-20°	209.0	4.3
20°-30°	322.8	6.6
30°-40°	409.1	8.4
40°-50°	617.1	12.6
50°-60°	997.0	20.4
60°-70°	1242.9	25.5
70°-80°	815.0	16.7
80°-90°	201.5	4.1
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°	4881.0	100.0
0°-180°	4881.0	100.0



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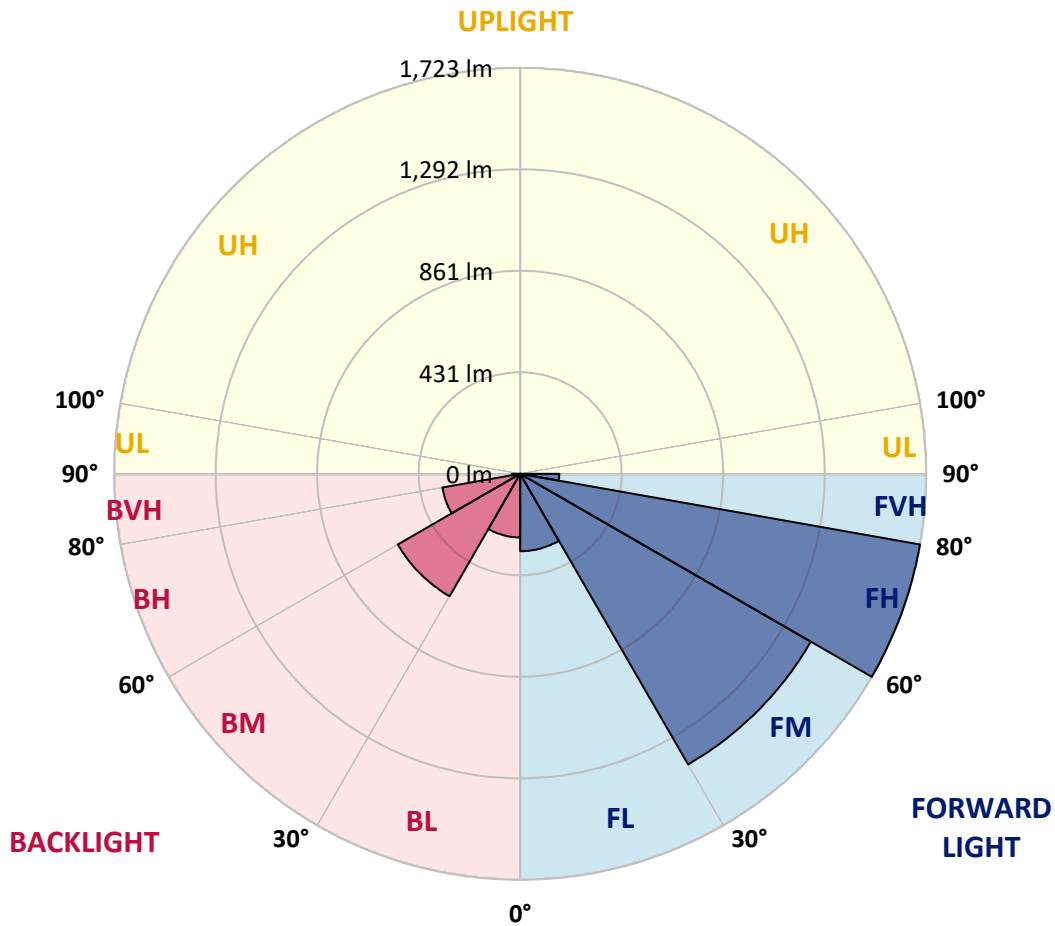
CATALOG NUMBER: GALN-SB1B-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.3	6.7			
FM (30°-60°)	1423.7	29.2			
FH (60°-80°)	1722.5	35.3			G1/1800
FVH (80°-90°)	166.0	3.4			G2/225
BL (0°-30°)	270.1	5.5	B1/500		
BM (30°-60°)	599.5	12.3	B1/1000		
BH (60°-80°)	335.4	6.9	B1/500		G1/500
BVH (80°-90°)	35.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
2.5°	721.8	724.5	727.3	731.2	735.1	737.4	739.7	740.8	742.0	741.5
5°	776.1	785.7	795.3	804.7	814.2	819.4	824.6	827.7	830.8	833.2
7.5°	830.7	846.3	861.8	875.8	889.8	898.2	906.6	911.2	915.7	917.9
10°	872.6	891.0	909.4	925.8	942.2	952.1	962.0	966.4	970.8	972.5
12.5°	898.2	918.1	938.1	952.9	967.7	974.9	982.1	984.5	986.9	987.2
15°	913.8	931.0	948.2	957.5	966.8	967.1	967.3	964.7	962.2	959.1
17.5°	922.5	934.2	945.8	946.0	946.1	935.7	925.3	915.7	906.1	899.4
20°	932.2	936.3	940.3	928.1	915.9	892.8	869.8	853.0	836.3	826.0
22.5°	943.4	938.1	932.8	907.5	882.1	848.2	814.4	793.4	772.4	761.1
25°	957.8	941.1	924.4	885.9	847.4	806.3	765.1	743.1	721.1	710.3
27.5°	977.4	947.5	917.5	866.6	815.6	770.0	724.4	702.8	681.1	670.9
30°	1003.8	959.2	914.6	851.8	789.1	741.6	694.1	674.0	653.9	644.4
32.5°	1035.0	973.9	912.8	841.8	770.8	726.2	681.5	665.7	649.9	643.1
35°	1072.8	998.0	923.3	849.3	775.4	744.3	713.4	709.7	706.0	705.4
37.5°	1136.6	1048.6	960.6	893.4	826.2	824.2	822.2	839.0	855.8	864.6
40°	1232.9	1137.2	1041.5	991.5	941.6	976.8	1012.1	1053.1	1094.0	1114.4
42.5°	1360.6	1265.7	1170.8	1142.0	1113.2	1190.1	1267.1	1341.6	1416.1	1459.8
45°	1518.4	1433.1	1347.8	1335.1	1322.4	1445.7	1569.0	1691.4	1813.8	1888.1
47.5°	1715.7	1632.7	1549.7	1547.2	1544.6	1722.5	1900.3	2079.4	2258.6	2363.8
50°	1974.3	1871.8	1769.3	1769.8	1770.2	1999.4	2228.6	2465.2	2701.7	2844.7
52.5°	2271.1	2147.0	2022.9	2010.4	1997.8	2271.6	2545.4	2838.1	3130.7	3302.1
55°	2587.1	2464.5	2341.9	2293.0	2244.1	2548.8	2853.5	3202.4	3551.3	3755.1
57.5°	2874.5	2807.8	2741.0	2642.9	2544.8	2852.5	3160.2	3555.3	3950.5	4203.2
60°	3048.3	3151.9	3255.7	3133.8	3012.0	3303.2	3594.4	4017.4	4440.5	4713.7
62.5°	2960.0	3243.4	3526.7	3513.0	3499.2	3766.0	4032.7	4435.2	4837.7	5090.3
65°	2783.5	3049.4	3315.3	3368.0	3420.5	3759.5	4098.5	4488.8	4879.1	5094.1
67.5°	2546.9	2799.8	3052.8	3077.4	3102.1	3455.3	3808.5	4200.4	4592.4	4760.8
70°	2262.7	2537.8	2812.9	2824.0	2835.0	3150.9	3466.7	3804.0	4141.3	4234.9
72.5°	1924.0	2239.7	2555.4	2563.4	2571.3	2818.4	3065.5	3318.1	3570.7	3580.2
75°	1495.6	1822.3	2149.1	2178.4	2207.7	2400.0	2592.3	2770.1	2947.9	2900.3
77.5°	1068.6	1373.6	1678.6	1720.6	1762.6	1908.7	2054.9	2181.0	2307.1	2225.2
80°	699.4	956.0	1212.6	1264.7	1316.9	1427.3	1537.6	1603.9	1670.1	1538.4
82.5°	406.5	582.0	757.4	815.7	874.0	950.0	1026.0	1053.6	1081.2	977.7
85°	178.9	272.0	365.1	414.7	464.2	526.7	589.1	604.8	620.4	537.5
87.5°	55.4	86.7	118.0	145.6	173.3	204.5	235.7	237.1	238.4	200.1
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
671.2	0°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
742.0	2.5°	740.8	739.7	737.4	735.1	731.2	727.3	724.5	721.8	716.3	710.7
830.8	5°	827.7	824.6	819.4	814.2	804.7	795.3	785.7	776.1	763.9	751.7
915.7	7.5°	911.2	906.6	898.2	889.8	875.8	861.8	846.3	830.7	810.5	790.4
970.8	10°	966.4	962.0	952.1	942.2	925.8	909.4	891.0	872.6	847.1	821.5
986.9	12.5°	984.5	982.1	974.9	967.7	952.9	938.1	918.1	898.2	870.2	842.1
962.2	15°	964.7	967.3	967.1	966.8	957.5	948.2	931.0	913.8	884.6	855.3
906.1	17.5°	915.7	925.3	935.7	946.1	946.0	945.8	934.2	922.5	892.9	863.3
836.3	20°	853.0	869.8	892.8	915.9	928.1	940.3	936.3	932.2	901.4	870.6
772.4	22.5°	793.4	814.4	848.2	882.1	907.5	932.8	938.1	943.4	911.9	880.4
721.1	25°	743.1	765.1	806.3	847.4	885.9	924.4	941.1	957.8	927.0	896.2
681.1	27.5°	702.8	724.4	770.0	815.6	866.6	917.5	947.5	977.4	948.0	918.6
653.9	30°	674.0	694.1	741.6	789.1	851.8	914.6	959.2	1003.8	975.4	947.0
649.9	32.5°	665.7	681.5	726.2	770.8	841.8	912.8	973.9	1035.0	1006.8	978.7
706.0	35°	709.7	713.4	744.3	775.4	849.3	923.3	998.0	1072.8	1045.9	1018.9
855.8	37.5°	839.0	822.2	824.2	826.2	893.4	960.6	1048.6	1136.6	1102.2	1067.9
1094.0	40°	1053.1	1012.1	976.8	941.6	991.5	1041.5	1137.2	1232.9	1182.8	1132.8
1416.1	42.5°	1341.6	1267.1	1190.1	1113.2	1142.0	1170.8	1265.7	1360.6	1288.4	1216.1
1813.8	45°	1691.4	1569.0	1445.7	1322.4	1335.1	1347.8	1433.1	1518.4	1420.9	1323.4
2258.6	47.5°	2079.4	1900.3	1722.5	1544.6	1547.2	1549.7	1632.7	1715.7	1578.5	1441.3
2701.7	50°	2465.2	2228.6	1999.4	1770.2	1769.8	1769.3	1871.8	1974.3	1767.4	1560.6
3130.7	52.5°	2838.1	2545.4	2271.6	1997.8	2010.4	2022.9	2147.0	2271.1	1965.9	1660.7
3551.3	55°	3202.4	2853.5	2548.8	2244.1	2293.0	2341.9	2464.5	2587.1	2141.9	1696.6
3950.5	57.5°	3555.3	3160.2	2852.5	2544.8	2642.9	2741.0	2807.8	2874.5	2266.6	1658.6
4440.5	60°	4017.4	3594.4	3303.2	3012.0	3133.8	3255.7	3151.9	3048.3	2297.7	1547.2
4837.7	62.5°	4435.2	4032.7	3766.0	3499.2	3513.0	3526.7	3243.4	2960.0	2166.5	1373.0
4879.1	65°	4488.8	4098.5	3759.5	3420.5	3368.0	3315.3	3049.4	2783.5	1980.8	1178.2
4592.4	67.5°	4200.4	3808.5	3455.3	3102.1	3077.4	3052.8	2799.8	2546.9	1759.9	972.8
4141.3	70°	3804.0	3466.7	3150.9	2835.0	2824.0	2812.9	2537.8	2262.7	1518.8	774.8
3570.7	72.5°	3318.1	3065.5	2818.4	2571.3	2563.4	2555.4	2239.7	1924.0	1257.4	590.8
2947.9	75°	2770.1	2592.3	2400.0	2207.7	2178.4	2149.1	1822.3	1495.6	957.8	420.0
2307.1	77.5°	2181.0	2054.9	1908.7	1762.6	1720.6	1678.6	1373.6	1068.6	670.4	272.2
1670.1	80°	1603.9	1537.6	1427.3	1316.9	1264.7	1212.6	956.0	699.4	431.9	164.4
1081.2	82.5°	1053.6	1026.0	950.0	874.0	815.7	757.4	582.0	406.5	250.0	93.4
620.4	85°	604.8	589.1	526.7	464.2	414.7	365.1	272.0	178.9	112.4	46.1
238.4	87.5°	237.1	235.7	204.5	173.3	145.6	118.0	86.7	55.4	36.8	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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
671.2	0°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
704.8	2.5°	698.9	693.0	687.1	681.4	675.8	670.3	664.2	659.2	654.3	649.9
739.5	5°	727.3	715.0	702.7	691.3	679.8	669.0	658.3	649.0	639.6	631.8
771.7	7.5°	753.1	734.9	716.8	700.8	684.8	670.0	656.2	643.8	631.4	621.1
796.9	10°	772.3	750.2	728.1	709.2	690.3	672.1	657.2	644.1	631.1	620.8
814.2	12.5°	786.3	760.3	734.3	712.9	691.5	672.3	658.5	647.8	637.1	630.3
825.0	15°	794.8	764.8	734.8	710.1	685.3	664.1	653.0	647.9	642.8	643.7
830.2	17.5°	797.2	762.4	727.6	697.8	668.0	643.1	636.3	638.2	640.0	651.2
834.3	20°	797.9	755.8	713.7	676.7	639.8	610.8	609.0	617.7	626.5	646.0
839.7	22.5°	799.0	747.7	696.5	652.0	607.5	574.5	578.0	591.0	603.9	626.2
849.6	25°	803.0	739.7	676.5	624.4	572.3	538.4	547.9	562.9	577.8	597.8
865.1	27.5°	811.5	734.4	657.3	599.1	540.9	510.1	521.7	536.1	550.5	567.0
885.1	30°	823.2	731.9	640.6	578.0	515.4	489.5	498.6	510.0	521.5	535.1
906.0	32.5°	833.2	728.8	624.4	559.8	495.1	474.3	478.3	485.1	491.9	502.8
929.8	35°	840.6	723.0	605.5	541.9	478.3	460.9	459.2	461.1	462.9	471.3
956.4	37.5°	845.0	713.0	581.1	520.8	460.5	445.3	439.2	437.1	435.1	441.0
990.3	40°	847.7	699.3	550.9	495.7	440.4	426.6	417.2	412.6	407.9	412.2
1034.5	42.5°	853.0	685.1	517.4	467.9	418.5	405.8	393.9	387.7	381.6	385.1
1092.8	45°	862.2	672.0	481.8	438.5	395.1	382.2	370.7	364.7	358.7	361.7
1154.9	47.5°	868.5	661.1	453.8	415.1	376.5	359.9	350.1	345.0	340.0	342.7
1212.5	50°	864.3	649.3	434.2	399.7	365.2	343.3	331.9	327.4	322.9	327.2
1249.8	52.5°	839.0	629.3	419.6	389.5	359.4	334.3	318.3	313.9	309.4	316.0
1241.6	55°	786.6	596.1	405.6	382.1	358.6	335.2	311.1	304.1	297.1	306.3
1183.6	57.5°	708.7	549.3	389.9	373.3	356.7	336.1	306.7	296.5	286.3	296.3
1075.7	60°	604.2	488.6	373.0	359.9	346.9	333.3	302.7	289.5	276.2	285.0
929.7	62.5°	486.5	415.9	345.3	336.6	328.0	326.3	297.9	281.4	264.9	270.4
780.8	65°	383.4	350.5	317.6	313.5	309.4	309.6	287.9	270.4	252.8	254.9
634.9	67.5°	297.0	287.7	278.3	280.6	282.8	282.3	270.1	255.5	240.9	240.2
499.9	70°	225.0	227.6	230.3	240.9	251.5	251.5	247.5	237.1	226.7	224.4
382.2	72.5°	173.5	181.6	189.7	204.7	219.7	222.3	222.3	215.2	208.1	204.7
277.4	75°	134.8	142.1	149.4	166.2	183.1	194.7	193.7	188.2	182.7	179.5
188.0	77.5°	103.7	108.7	113.7	130.1	146.4	165.6	165.1	160.7	156.3	153.0
121.1	80°	77.8	79.8	81.9	95.8	109.6	132.5	132.4	128.8	125.0	122.3
74.5	82.5°	55.6	55.9	56.4	66.6	76.8	96.3	97.4	95.6	93.8	91.8
39.8	85°	33.6	33.4	33.2	40.7	48.2	62.7	64.1	62.2	60.3	58.1
16.5	87.5°	14.7	14.6	14.4	17.4	20.5	26.5	28.3	27.6	26.8	26.4
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
671.2	0°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
645.4	2.5°	641.5	637.6	633.7	629.8	626.8	623.8	621.3	618.9	617.0	615.1
624.0	5°	617.1	610.2	603.9	597.6	592.8	588.0	584.6	581.2	578.8	576.5
610.8	7.5°	602.1	593.4	585.7	578.1	572.3	566.6	562.6	558.6	555.8	553.1
610.4	10°	601.1	591.7	583.1	574.5	567.6	560.7	556.3	551.7	549.1	546.5
623.5	12.5°	616.1	608.8	599.9	591.0	582.2	573.4	567.6	561.8	558.9	556.1
644.7	15°	642.7	640.8	633.1	625.3	612.9	600.4	591.6	582.8	578.7	574.7
662.5	17.5°	668.4	674.4	668.1	661.9	645.4	628.9	615.9	602.9	597.0	591.0
665.5	20°	678.0	690.5	687.6	684.7	665.8	647.0	631.1	615.2	607.5	599.8
648.5	22.5°	664.7	681.0	682.7	684.4	666.4	648.4	632.0	615.6	607.5	599.5
617.9	25°	633.9	649.9	655.8	661.8	647.0	632.2	617.7	603.1	596.1	589.1
583.4	27.5°	596.2	609.1	615.7	622.4	611.8	601.3	590.0	578.7	574.0	569.3
548.8	30°	559.4	570.1	575.5	580.9	572.9	564.9	556.8	548.6	546.2	543.8
513.7	32.5°	523.9	534.1	540.1	546.1	538.8	531.4	524.9	518.5	516.9	515.3
479.6	35°	489.7	499.8	507.0	514.2	508.9	503.7	497.7	491.8	489.4	487.0
447.0	37.5°	457.1	467.1	476.1	485.0	482.5	480.1	474.6	469.1	464.8	460.5
416.5	40°	426.2	436.0	446.2	456.5	457.1	457.7	453.0	448.3	442.0	435.7
388.6	42.5°	397.8	407.1	418.1	429.2	432.2	435.1	431.2	427.3	419.4	411.6
364.6	45°	373.4	382.2	393.6	405.1	409.4	413.6	410.1	406.5	397.6	388.6
345.5	47.5°	354.1	362.6	374.0	385.3	390.2	395.1	392.6	390.1	382.2	374.2
331.6	50°	339.7	347.7	357.9	368.0	374.3	380.6	380.5	380.4	374.0	367.6
322.5	52.5°	329.9	337.3	346.7	356.2	363.6	371.1	372.4	373.8	368.6	363.4
315.6	55°	323.5	331.5	339.8	348.1	356.0	363.9	365.7	367.6	363.0	358.5
306.2	57.5°	315.6	325.0	333.2	341.4	349.3	357.3	359.2	361.0	356.5	351.9
293.7	60°	304.4	315.2	323.5	331.9	339.8	347.8	349.9	351.9	347.5	343.0
276.0	62.5°	288.5	301.1	310.0	318.8	326.2	333.5	335.5	337.4	333.4	329.4
257.0	65°	270.5	284.0	292.4	300.9	307.4	313.8	315.9	317.9	314.0	310.1
239.5	67.5°	251.9	264.4	272.4	280.5	286.0	291.6	293.6	295.5	292.0	288.4
222.1	70°	233.0	243.9	250.9	257.8	262.8	267.9	269.8	271.7	268.8	265.8
201.3	72.5°	209.9	218.5	224.7	231.0	235.9	240.9	243.1	245.4	243.0	240.6
176.2	75°	182.6	189.0	194.7	200.4	204.9	209.3	211.7	214.1	212.9	211.7
149.7	77.5°	154.9	160.1	165.0	169.9	174.6	179.3	181.5	183.7	182.0	180.3
119.5	80°	123.8	128.1	132.3	136.4	140.0	143.5	146.4	149.4	148.7	148.0
89.9	82.5°	89.5	89.2	87.7	86.3	93.9	101.5	106.5	111.5	111.2	110.9
55.9	85°	54.0	52.2	48.2	44.2	51.3	58.5	64.6	70.8	70.3	69.8
26.0	87.5°	25.9	25.8	22.8	19.7	22.7	25.7	28.2	30.7	30.1	29.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
671.2	0°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
613.3	2.5°	611.6	609.4	611.6	613.3	615.1	617.0	618.9	621.3	623.8	626.8
574.6	5°	572.8	571.0	572.8	574.6	576.5	578.8	581.2	584.6	588.0	592.8
551.4	7.5°	549.8	548.6	549.8	551.4	553.1	555.8	558.6	562.6	566.6	572.3
545.1	10°	543.7	543.2	543.7	545.1	546.5	549.1	551.7	556.3	560.7	567.6
554.9	12.5°	553.7	553.5	553.7	554.9	556.1	558.9	561.8	567.6	573.4	582.2
573.2	15°	571.6	571.5	571.6	573.2	574.7	578.7	582.8	591.6	600.4	612.9
589.0	17.5°	587.0	586.7	587.0	589.0	591.0	597.0	602.9	615.9	628.9	645.4
597.4	20°	594.9	594.2	594.9	597.4	599.8	607.5	615.2	631.1	647.0	665.8
596.7	22.5°	594.0	592.9	594.0	596.7	599.5	607.5	615.6	632.0	648.4	666.4
586.6	25°	584.1	582.6	584.1	586.6	589.1	596.1	603.1	617.7	632.2	647.0
568.2	27.5°	567.0	566.6	567.0	568.2	569.3	574.0	578.7	590.0	601.3	611.8
543.8	30°	543.8	544.2	543.8	543.8	543.8	546.2	548.6	556.8	564.9	572.9
515.5	32.5°	515.7	516.1	515.7	515.5	515.3	516.9	518.5	524.9	531.4	538.8
486.5	35°	486.0	485.7	486.0	486.5	487.0	489.4	491.8	497.7	503.7	508.9
458.2	37.5°	455.9	454.6	455.9	458.2	460.5	464.8	469.1	474.6	480.1	482.5
431.5	40°	427.2	424.7	427.2	431.5	435.7	442.0	448.3	453.0	457.7	457.1
405.4	42.5°	399.2	395.1	399.2	405.4	411.6	419.4	427.3	431.2	435.1	432.2
381.3	45°	374.0	369.3	374.0	381.3	388.6	397.6	406.5	410.1	413.6	409.4
367.4	47.5°	360.7	356.2	360.7	367.4	374.2	382.2	390.1	392.6	395.1	390.2
361.3	50°	355.1	350.8	355.1	361.3	367.6	374.0	380.4	380.5	380.6	374.3
357.8	52.5°	352.2	348.2	352.2	357.8	363.4	368.6	373.8	372.4	371.1	363.6
353.6	55°	348.7	345.1	348.7	353.6	358.5	363.0	367.6	365.7	363.9	356.0
347.0	57.5°	342.2	338.4	342.2	347.0	351.9	356.5	361.0	359.2	357.3	349.3
338.0	60°	333.0	329.2	333.0	338.0	343.0	347.5	351.9	349.9	347.8	339.8
324.1	62.5°	318.8	314.2	318.8	324.1	329.4	333.4	337.4	335.5	333.5	326.2
305.0	65°	299.9	295.9	299.9	305.0	310.1	314.0	317.9	315.9	313.8	307.4
283.7	67.5°	278.9	275.3	278.9	283.7	288.4	292.0	295.5	293.6	291.6	286.0
261.3	70°	256.8	252.7	256.8	261.3	265.8	268.8	271.7	269.8	267.9	262.8
236.2	72.5°	231.9	227.9	231.9	236.2	240.6	243.0	245.4	243.1	240.9	235.9
208.1	75°	204.4	200.6	204.4	208.1	211.7	212.9	214.1	211.7	209.3	204.9
176.7	77.5°	173.0	170.0	173.0	176.7	180.3	182.0	183.7	181.5	179.3	174.6
143.0	80°	138.1	132.4	138.1	143.0	148.0	148.7	149.4	146.4	143.5	140.0
106.7	82.5°	102.6	98.9	102.6	106.7	110.9	111.2	111.5	106.5	101.5	93.9
66.6	85°	63.3	60.0	63.3	66.6	69.8	70.3	70.8	64.6	58.5	51.3
27.8	87.5°	26.1	24.5	26.1	27.8	29.4	30.1	30.7	28.2	25.7	22.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
671.2	0°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
629.8	2.5°	633.7	637.6	641.5	645.4	649.9	654.3	659.2	664.2	670.3	675.8
597.6	5°	603.9	610.2	617.1	624.0	631.8	639.6	649.0	658.3	669.0	679.8
578.1	7.5°	585.7	593.4	602.1	610.8	621.1	631.4	643.8	656.2	670.0	684.8
574.5	10°	583.1	591.7	601.1	610.4	620.8	631.1	644.1	657.2	672.1	690.3
591.0	12.5°	599.9	608.8	616.1	623.5	630.3	637.1	647.8	658.5	672.3	691.5
625.3	15°	633.1	640.8	642.7	644.7	643.7	642.8	647.9	653.0	664.1	685.3
661.9	17.5°	668.1	674.4	668.4	662.5	651.2	640.0	638.2	636.3	643.1	668.0
684.7	20°	687.6	690.5	678.0	665.5	646.0	626.5	617.7	609.0	610.8	639.8
684.4	22.5°	682.7	681.0	664.7	648.5	626.2	603.9	591.0	578.0	574.5	607.5
661.8	25°	655.8	649.9	633.9	617.9	597.8	577.8	562.9	547.9	538.4	572.3
622.4	27.5°	615.7	609.1	596.2	583.4	567.0	550.5	536.1	521.7	510.1	540.9
580.9	30°	575.5	570.1	559.4	548.8	535.1	521.5	510.0	498.6	489.5	515.4
546.1	32.5°	540.1	534.1	523.9	513.7	502.8	491.9	485.1	478.3	474.3	495.1
514.2	35°	507.0	499.8	489.7	479.6	471.3	462.9	461.1	459.2	460.9	478.3
485.0	37.5°	476.1	467.1	457.1	447.0	441.0	435.1	437.1	439.2	445.3	460.5
456.5	40°	446.2	436.0	426.2	416.5	412.2	407.9	412.6	417.2	426.6	440.4
429.2	42.5°	418.1	407.1	397.8	388.6	385.1	381.6	387.7	393.9	405.8	418.5
405.1	45°	393.6	382.2	373.4	364.6	361.7	358.7	364.7	370.7	382.2	395.1
385.3	47.5°	374.0	362.6	354.1	345.5	342.7	340.0	345.0	350.1	359.9	376.5
368.0	50°	357.9	347.7	339.7	331.6	327.2	322.9	327.4	331.9	343.3	365.2
356.2	52.5°	346.7	337.3	329.9	322.5	316.0	309.4	313.9	318.3	334.3	359.4
348.1	55°	339.8	331.5	323.5	315.6	306.3	297.1	304.1	311.1	335.2	358.6
341.4	57.5°	333.2	325.0	315.6	306.2	296.3	286.3	296.5	306.7	336.1	356.7
331.9	60°	323.5	315.2	304.4	293.7	285.0	276.2	289.5	302.7	333.3	346.9
318.8	62.5°	310.0	301.1	288.5	276.0	270.4	264.9	281.4	297.9	326.3	328.0
300.9	65°	292.4	284.0	270.5	257.0	254.9	252.8	270.4	287.9	309.6	309.4
280.5	67.5°	272.4	264.4	251.9	239.5	240.2	240.9	255.5	270.1	282.3	282.8
257.8	70°	250.9	243.9	233.0	222.1	224.4	226.7	237.1	247.5	251.5	251.5
231.0	72.5°	224.7	218.5	209.9	201.3	204.7	208.1	215.2	222.3	222.3	219.7
200.4	75°	194.7	189.0	182.6	176.2	179.5	182.7	188.2	193.7	194.7	183.1
169.9	77.5°	165.0	160.1	154.9	149.7	153.0	156.3	160.7	165.1	165.6	146.4
136.4	80°	132.3	128.1	123.8	119.5	122.3	125.0	128.8	132.4	132.5	109.6
86.3	82.5°	87.7	89.2	89.5	89.9	91.8	93.8	95.6	97.4	96.3	76.8
44.2	85°	48.2	52.2	54.0	55.9	58.1	60.3	62.2	64.1	62.7	48.2
19.7	87.5°	22.8	25.8	25.9	26.0	26.4	26.8	27.6	28.3	26.5	20.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
671.2	0°	671.2	671.2	671.2	671.2	671.2	671.2	671.2
681.4	2.5°	687.1	693.0	698.9	704.8	710.7	716.3	721.8
691.3	5°	702.7	715.0	727.3	739.5	751.7	763.9	776.1
700.8	7.5°	716.8	734.9	753.1	771.7	790.4	810.5	830.7
709.2	10°	728.1	750.2	772.3	796.9	821.5	847.1	872.6
712.9	12.5°	734.3	760.3	786.3	814.2	842.1	870.2	898.2
710.1	15°	734.8	764.8	794.8	825.0	855.3	884.6	913.8
697.8	17.5°	727.6	762.4	797.2	830.2	863.3	892.9	922.5
676.7	20°	713.7	755.8	797.9	834.3	870.6	901.4	932.2
652.0	22.5°	696.5	747.7	799.0	839.7	880.4	911.9	943.4
624.4	25°	676.5	739.7	803.0	849.6	896.2	927.0	957.8
599.1	27.5°	657.3	734.4	811.5	865.1	918.6	948.0	977.4
578.0	30°	640.6	731.9	823.2	885.1	947.0	975.4	1003.8
559.8	32.5°	624.4	728.8	833.2	906.0	978.7	1006.8	1035.0
541.9	35°	605.5	723.0	840.6	929.8	1018.9	1045.9	1072.8
520.8	37.5°	581.1	713.0	845.0	956.4	1067.9	1102.2	1136.6
495.7	40°	550.9	699.3	847.7	990.3	1132.8	1182.8	1232.9
467.9	42.5°	517.4	685.1	853.0	1034.5	1216.1	1288.4	1360.6
438.5	45°	481.8	672.0	862.2	1092.8	1323.4	1420.9	1518.4
415.1	47.5°	453.8	661.1	868.5	1154.9	1441.3	1578.5	1715.7
399.7	50°	434.2	649.3	864.3	1212.5	1560.6	1767.4	1974.3
389.5	52.5°	419.6	629.3	839.0	1249.8	1660.7	1965.9	2271.1
382.1	55°	405.6	596.1	786.6	1241.6	1696.6	2141.9	2587.1
373.3	57.5°	389.9	549.3	708.7	1183.6	1658.6	2266.6	2874.5
359.9	60°	373.0	488.6	604.2	1075.7	1547.2	2297.7	3048.3
336.6	62.5°	345.3	415.9	486.5	929.7	1373.0	2166.5	2960.0
313.5	65°	317.6	350.5	383.4	780.8	1178.2	1980.8	2783.5
280.6	67.5°	278.3	287.7	297.0	634.9	972.8	1759.9	2546.9
240.9	70°	230.3	227.6	225.0	499.9	774.8	1518.8	2262.7
204.7	72.5°	189.7	181.6	173.5	382.2	590.8	1257.4	1924.0
166.2	75°	149.4	142.1	134.8	277.4	420.0	957.8	1495.6
130.1	77.5°	113.7	108.7	103.7	188.0	272.2	670.4	1068.6
95.8	80°	81.9	79.8	77.8	121.1	164.4	431.9	699.4
66.6	82.5°	56.4	55.9	55.6	74.5	93.4	250.0	406.5
40.7	85°	33.2	33.4	33.6	39.8	46.1	112.4	178.9
17.4	87.5°	14.4	14.6	14.7	16.5	18.3	36.8	55.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)