

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: P945008

Luminaire Tested: **GALN-SB1A-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945008
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-SB1A-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4018 lumens
Efficiency: N/A
Efficacy: 130.0 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

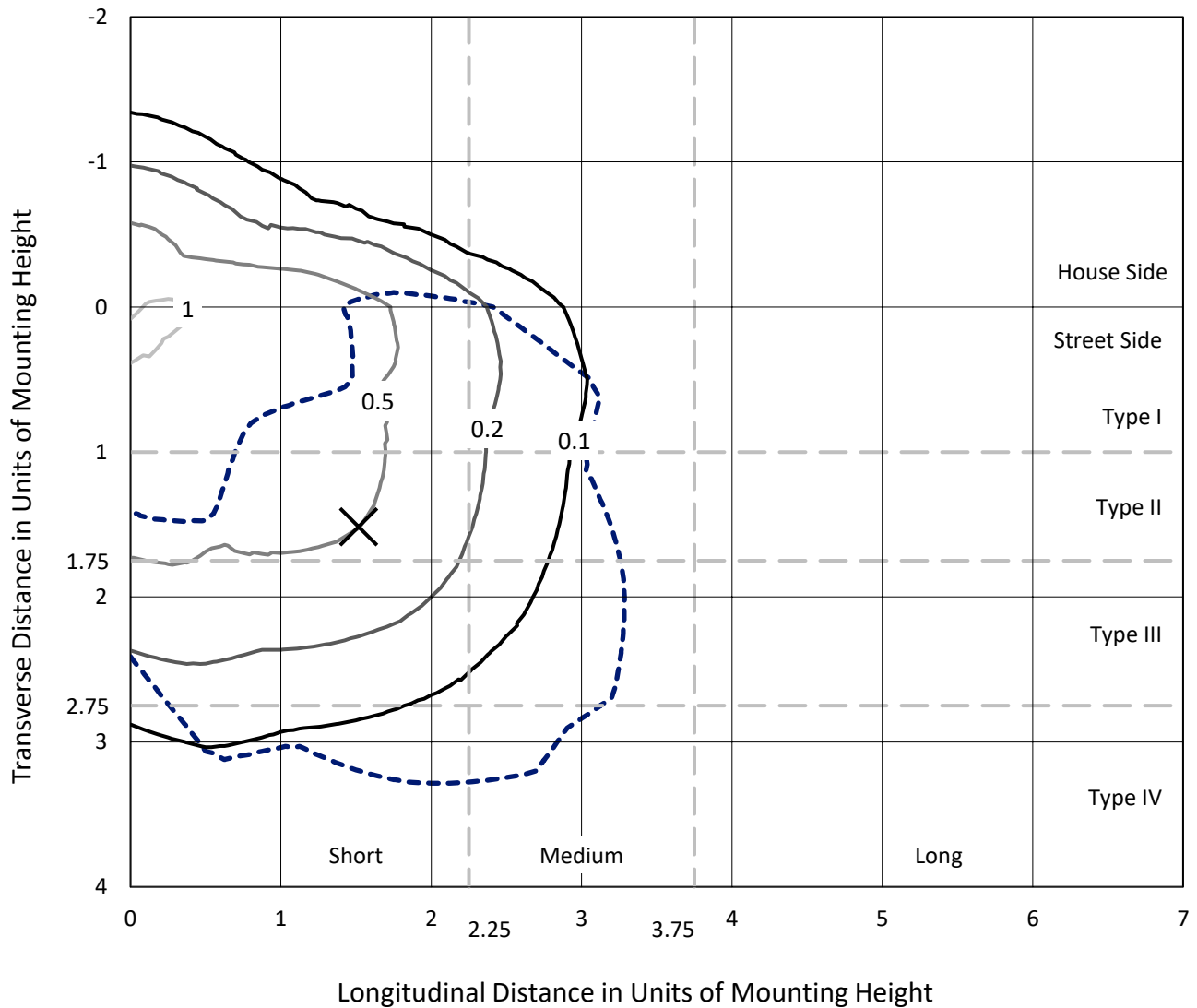
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

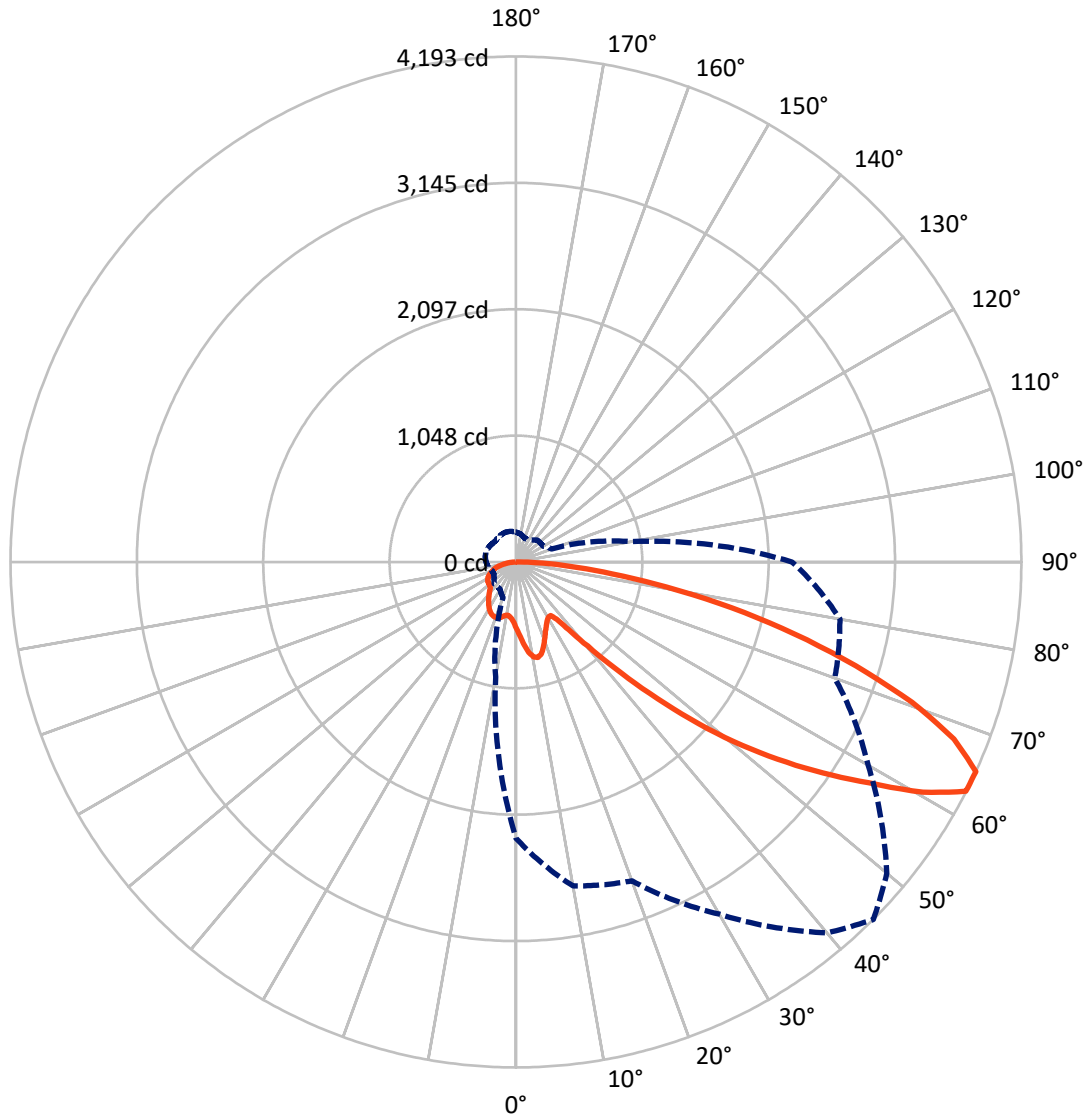
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1021.2	0.0	1021.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	2996.8	0.0	2996.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	4018.0	0.0	4018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.4
10°-20°	172.1	4.3
20°-30°	265.8	6.6
30°-40°	336.8	8.4
40°-50°	508.0	12.6
50°-60°	820.7	20.4
60°-70°	1023.1	25.5
70°-80°	670.9	16.7
80°-90°	165.9	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°	4018.0	100.0
0°-180°	4018.0	100.0

Coefficient of Utilization



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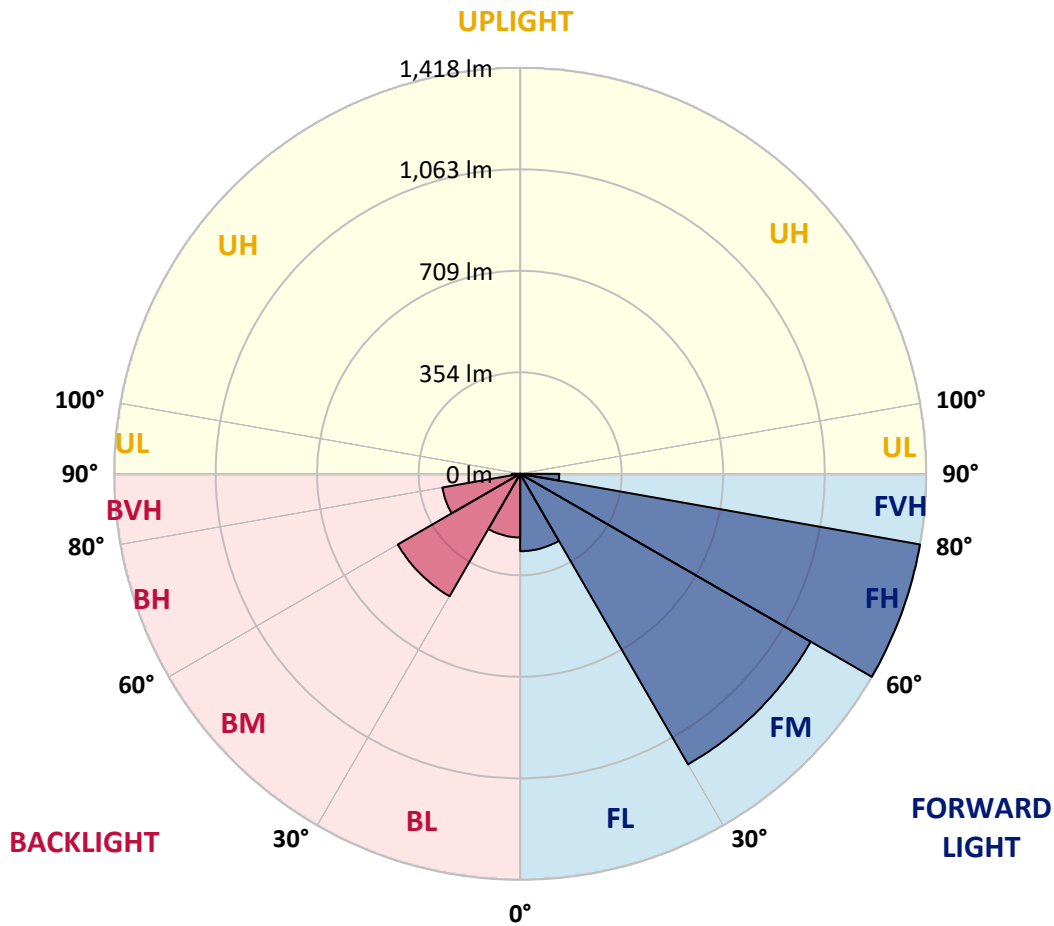
CATALOG NUMBER: GALN-SB1A-830-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.3	6.7			
FM (30°-60°)	1172.0	29.2			
FH (60°-80°)	1418.0	35.3			G1/1800
FVH (80°-90°)	136.6	3.4			G2/225
BL (0°-30°)	222.4	5.5	B1/500		
BM (30°-60°)	493.5	12.3	B1/1000		
BH (60°-80°)	276.1	6.9	B1/500		G1/500
BVH (80°-90°)	29.2	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°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	594.2	596.4	598.7	601.9	605.1	607.0	608.9	609.9	610.8	610.4
5°	638.9	646.8	654.7	662.5	670.3	674.5	678.8	681.3	683.9	685.9
7.5°	683.9	696.7	709.4	721.0	732.5	739.4	746.3	750.1	753.8	755.6
10°	718.3	733.4	748.6	762.1	775.6	783.8	791.9	795.6	799.2	800.6
12.5°	739.4	755.8	772.2	784.4	796.6	802.5	808.5	810.4	812.4	812.7
15°	752.2	766.4	780.5	788.2	795.9	796.1	796.3	794.2	792.0	789.5
17.5°	759.4	769.0	778.6	778.7	778.8	770.2	761.7	753.8	745.9	740.4
20°	767.4	770.7	774.1	764.0	753.9	735.0	716.0	702.2	688.4	679.9
22.5°	776.6	772.2	767.9	747.0	726.1	698.3	670.4	653.1	635.9	626.5
25°	788.5	774.7	760.9	729.2	697.6	663.7	629.9	611.7	593.6	584.7
27.5°	804.6	780.0	755.3	713.3	671.4	633.9	596.4	578.5	560.7	552.3
30°	826.3	789.6	752.9	701.2	649.6	610.5	571.4	554.8	538.3	530.5
32.5°	852.0	801.7	751.4	692.9	634.5	597.8	561.0	548.0	535.0	529.4
35°	883.1	821.6	760.0	699.1	638.3	612.7	587.2	584.2	581.2	580.7
37.5°	935.6	863.2	790.8	735.4	680.1	678.4	676.8	690.7	704.5	711.7
40°	1014.9	936.1	857.4	816.2	775.1	804.1	833.2	866.9	900.6	917.4
42.5°	1120.1	1041.9	963.8	940.1	916.4	979.7	1043.1	1104.4	1165.7	1201.7
45°	1249.9	1179.7	1109.5	1099.1	1088.6	1190.1	1291.6	1392.3	1493.1	1554.3
47.5°	1412.3	1344.0	1275.7	1273.6	1271.5	1417.9	1564.3	1711.8	1859.3	1945.9
50°	1625.2	1540.8	1456.5	1456.9	1457.2	1645.9	1834.6	2029.3	2224.0	2341.7
52.5°	1869.5	1767.4	1665.3	1654.9	1644.6	1870.0	2095.4	2336.3	2577.1	2718.2
55°	2129.7	2028.8	1927.8	1887.6	1847.3	2098.2	2349.0	2636.2	2923.4	3091.2
57.5°	2366.3	2311.3	2256.4	2175.6	2094.9	2348.2	2601.5	2926.7	3252.0	3460.1
60°	2509.3	2594.7	2680.0	2579.7	2479.5	2719.2	2958.9	3307.1	3655.4	3880.3
62.5°	2436.7	2669.9	2903.2	2891.9	2880.5	3100.1	3319.7	3651.1	3982.4	4190.3
65°	2291.3	2510.3	2729.2	2772.5	2815.8	3094.8	3373.9	3695.2	4016.4	4193.4
67.5°	2096.6	2304.8	2513.0	2533.3	2553.6	2844.4	3135.1	3457.8	3780.4	3919.1
70°	1862.7	2089.1	2315.6	2324.7	2333.7	2593.8	2853.8	3131.4	3409.1	3486.2
72.5°	1583.9	1843.7	2103.6	2110.1	2116.6	2320.1	2523.5	2731.5	2939.4	2947.2
75°	1231.2	1500.1	1769.1	1793.2	1817.4	1975.7	2133.9	2280.3	2426.7	2387.5
77.5°	879.6	1130.7	1381.8	1416.4	1450.9	1571.2	1691.6	1795.4	1899.2	1831.8
80°	575.7	787.0	998.2	1041.1	1084.1	1174.9	1265.8	1320.3	1374.8	1266.4
82.5°	334.7	479.1	623.5	671.5	719.5	782.0	844.6	867.3	890.0	804.8
85°	147.2	223.9	300.5	341.3	382.2	433.5	484.9	497.8	510.7	442.5
87.5°	45.6	71.3	97.1	119.9	142.6	168.3	194.0	195.1	196.2	164.7
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°
552.5	0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
610.8	2.5°	609.9	608.9	607.0	605.1	601.9	598.7	596.4	594.2	589.6	585.1
683.9	5°	681.3	678.8	674.5	670.3	662.5	654.7	646.8	638.9	628.8	618.8
753.8	7.5°	750.1	746.3	739.4	732.5	721.0	709.4	696.7	683.9	667.2	650.6
799.2	10°	795.6	791.9	783.8	775.6	762.1	748.6	733.4	718.3	697.3	676.3
812.4	12.5°	810.4	808.5	802.5	796.6	784.4	772.2	755.8	739.4	716.3	693.2
792.0	15°	794.2	796.3	796.1	795.9	788.2	780.5	766.4	752.2	728.2	704.1
745.9	17.5°	753.8	761.7	770.2	778.8	778.7	778.6	769.0	759.4	735.0	710.6
688.4	20°	702.2	716.0	735.0	753.9	764.0	774.1	770.7	767.4	742.0	716.7
635.9	22.5°	653.1	670.4	698.3	726.1	747.0	767.9	772.2	776.6	750.7	724.8
593.6	25°	611.7	629.9	663.7	697.6	729.2	760.9	774.7	788.5	763.1	737.7
560.7	27.5°	578.5	596.4	633.9	671.4	713.3	755.3	780.0	804.6	780.4	756.1
538.3	30°	554.8	571.4	610.5	649.6	701.2	752.9	789.6	826.3	802.9	779.5
535.0	32.5°	548.0	561.0	597.8	634.5	692.9	751.4	801.7	852.0	828.8	805.7
581.2	35°	584.2	587.2	612.7	638.3	699.1	760.0	821.6	883.1	861.0	838.8
704.5	37.5°	690.7	676.8	678.4	680.1	735.4	790.8	863.2	935.6	907.3	879.1
900.6	40°	866.9	833.2	804.1	775.1	816.2	857.4	936.1	1014.9	973.7	932.5
1165.7	42.5°	1104.4	1043.1	979.7	916.4	940.1	963.8	1041.9	1120.1	1060.6	1001.1
1493.1	45°	1392.3	1291.6	1190.1	1088.6	1099.1	1109.5	1179.7	1249.9	1169.7	1089.4
1859.3	47.5°	1711.8	1564.3	1417.9	1271.5	1273.6	1275.7	1344.0	1412.3	1299.4	1186.4
2224.0	50°	2029.3	1834.6	1645.9	1457.2	1456.9	1456.5	1540.8	1625.2	1454.9	1284.6
2577.1	52.5°	2336.3	2095.4	1870.0	1644.6	1654.9	1665.3	1767.4	1869.5	1618.3	1367.1
2923.4	55°	2636.2	2349.0	2098.2	1847.3	1887.6	1927.8	2028.8	2129.7	1763.2	1396.6
3252.0	57.5°	2926.7	2601.5	2348.2	2094.9	2175.6	2256.4	2311.3	2366.3	1865.8	1365.3
3655.4	60°	3307.1	2958.9	2719.2	2479.5	2579.7	2680.0	2594.7	2509.3	1891.5	1273.6
3982.4	62.5°	3651.1	3319.7	3100.1	2880.5	2891.9	2903.2	2669.9	2436.7	1783.4	1130.2
4016.4	65°	3695.2	3373.9	3094.8	2815.8	2772.5	2729.2	2510.3	2291.3	1630.6	969.9
3780.4	67.5°	3457.8	3135.1	2844.4	2553.6	2533.3	2513.0	2304.8	2096.6	1448.7	800.8
3409.1	70°	3131.4	2853.8	2593.8	2333.7	2324.7	2315.6	2089.1	1862.7	1250.2	637.8
2939.4	72.5°	2731.5	2523.5	2320.1	2116.6	2110.1	2103.6	1843.7	1583.9	1035.1	486.4
2426.7	75°	2280.3	2133.9	1975.7	1817.4	1793.2	1769.1	1500.1	1231.2	788.5	345.8
1899.2	77.5°	1795.4	1691.6	1571.2	1450.9	1416.4	1381.8	1130.7	879.6	551.9	224.1
1374.8	80°	1320.3	1265.8	1174.9	1084.1	1041.1	998.2	787.0	575.7	355.5	135.4
890.0	82.5°	867.3	844.6	782.0	719.5	671.5	623.5	479.1	334.7	205.8	76.9
510.7	85°	497.8	484.9	433.5	382.2	341.3	300.5	223.9	147.2	92.6	37.9
196.2	87.5°	195.1	194.0	168.3	142.6	119.9	97.1	71.3	45.6	30.3	15.1
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°
552.5	0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
580.2	2.5°	575.4	570.5	565.6	560.9	556.3	551.8	546.7	542.7	538.6	535.0
608.7	5°	598.7	588.6	578.5	569.0	559.6	550.7	541.9	534.2	526.5	520.1
635.3	7.5°	619.9	605.0	590.0	576.9	563.7	551.6	540.2	530.0	519.8	511.3
656.0	10°	635.7	617.6	599.4	583.8	568.2	553.3	541.0	530.2	519.5	511.0
670.3	12.5°	647.3	625.9	604.5	586.8	569.2	553.5	542.1	533.3	524.5	518.8
679.2	15°	654.2	629.6	604.9	584.5	564.1	546.7	537.6	533.3	529.1	529.9
683.4	17.5°	656.2	627.6	599.0	574.5	549.9	529.4	523.8	525.3	526.9	536.1
686.8	20°	656.9	622.2	587.5	557.1	526.7	502.8	501.3	508.5	515.7	531.8
691.3	22.5°	657.7	615.5	573.3	536.7	500.1	472.9	475.8	486.5	497.1	515.4
699.4	25°	661.1	608.9	556.9	514.0	471.1	443.2	451.1	463.4	475.7	492.1
712.1	27.5°	668.1	604.6	541.1	493.2	445.3	419.9	429.4	441.3	453.2	466.7
728.6	30°	677.6	602.5	527.3	475.8	424.2	402.9	410.4	419.8	429.3	440.5
745.8	32.5°	685.9	600.0	514.0	460.8	407.6	390.4	393.8	399.3	404.9	413.9
765.4	35°	692.0	595.2	498.4	446.1	393.7	379.4	378.0	379.5	381.1	387.9
787.3	37.5°	695.6	587.0	478.3	428.7	379.1	366.6	361.5	359.8	358.1	363.1
815.2	40°	697.8	575.7	453.5	408.0	362.5	351.2	343.5	339.6	335.8	339.3
851.6	42.5°	702.1	564.0	425.9	385.2	344.5	334.0	324.3	319.2	314.1	317.0
899.6	45°	709.7	553.2	396.6	360.9	325.2	314.6	305.2	300.2	295.3	297.7
950.7	47.5°	714.9	544.2	373.5	341.7	310.0	296.3	288.2	284.0	279.9	282.1
998.1	50°	711.5	534.5	357.4	329.0	300.6	282.6	273.2	269.5	265.8	269.4
1028.9	52.5°	690.6	518.0	345.4	320.6	295.9	275.2	262.0	258.4	254.7	260.1
1022.1	55°	647.5	490.7	333.9	314.5	295.2	275.9	256.1	250.3	244.6	252.2
974.3	57.5°	583.4	452.2	321.0	307.3	293.6	276.7	252.5	244.1	235.7	243.9
885.5	60°	497.3	402.2	307.0	296.3	285.5	274.3	249.2	238.3	227.4	234.6
765.3	62.5°	400.5	342.4	284.3	277.1	270.0	268.6	245.3	231.6	218.1	222.6
642.7	65°	315.6	288.5	261.4	258.0	254.7	254.8	237.0	222.6	208.1	209.9
522.7	67.5°	244.5	236.8	229.1	231.0	232.8	232.4	222.4	210.3	198.3	197.7
411.5	70°	185.2	187.4	189.6	198.3	207.0	207.0	203.7	195.2	186.6	184.7
314.6	72.5°	142.9	149.5	156.1	168.5	180.9	183.0	183.0	177.1	171.3	168.5
228.3	75°	110.9	116.9	123.0	136.8	150.7	160.3	159.5	155.0	150.4	147.8
154.7	77.5°	85.4	89.5	93.6	107.1	120.5	136.3	135.9	132.3	128.7	125.9
99.7	80°	64.0	65.7	67.4	78.8	90.2	109.1	109.0	106.0	102.9	100.7
61.3	82.5°	45.8	46.0	46.4	54.8	63.2	79.3	80.2	78.7	77.2	75.6
32.8	85°	27.7	27.5	27.3	33.5	39.6	51.6	52.8	51.2	49.6	47.8
13.6	87.5°	12.1	12.0	11.8	14.3	16.9	21.8	23.3	22.7	22.0	21.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
552.5	0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
531.3	2.5°	528.1	524.9	521.7	518.5	516.0	513.5	511.5	509.5	507.9	506.3
513.7	5°	508.0	502.3	497.2	492.0	488.0	484.0	481.3	478.5	476.5	474.5
502.8	7.5°	495.6	488.5	482.2	475.9	471.1	466.4	463.1	459.8	457.5	455.3
502.5	10°	494.8	487.1	480.0	472.9	467.3	461.6	457.9	454.2	452.0	449.9
513.2	12.5°	507.2	501.2	493.8	486.5	479.3	472.1	467.3	462.5	460.1	457.7
530.7	15°	529.1	527.5	521.2	514.8	504.5	494.2	487.0	479.7	476.4	473.1
545.3	17.5°	550.3	555.2	550.0	544.9	531.3	517.7	507.0	496.3	491.4	486.5
547.8	20°	558.1	568.4	566.0	563.6	548.1	532.6	519.5	506.4	500.1	493.8
533.8	22.5°	547.2	560.6	562.0	563.4	548.6	533.7	520.3	506.8	500.1	493.5
508.6	25°	521.8	535.0	539.9	544.8	532.6	520.5	508.5	496.5	490.7	485.0
480.3	27.5°	490.8	501.4	506.8	512.3	503.7	495.0	485.7	476.4	472.5	468.7
451.8	30°	460.5	469.3	473.7	478.2	471.6	465.0	458.3	451.6	449.7	447.7
422.9	32.5°	431.3	439.7	444.6	449.6	443.5	437.4	432.1	426.8	425.5	424.2
394.8	35°	403.1	411.4	417.4	423.3	419.0	414.7	409.7	404.8	402.9	400.9
368.0	37.5°	376.2	384.6	391.9	399.2	397.2	395.2	390.7	386.2	382.6	379.0
342.9	40°	350.9	358.9	367.3	375.8	376.3	376.7	372.9	369.1	363.9	358.7
319.9	42.5°	327.5	335.1	344.2	353.3	355.8	358.2	355.0	351.7	345.3	338.8
300.2	45°	307.4	314.6	324.0	333.5	337.0	340.5	337.6	334.7	327.3	319.9
284.4	47.5°	291.5	298.5	307.8	317.2	321.2	325.2	323.2	321.2	314.6	308.0
273.0	50°	279.6	286.3	294.6	303.0	308.1	313.3	313.2	313.1	307.8	302.6
265.4	52.5°	271.5	277.6	285.4	293.2	299.3	305.5	306.6	307.7	303.4	299.1
259.8	55°	266.3	272.9	279.7	286.5	293.0	299.5	301.1	302.6	298.9	295.1
252.1	57.5°	259.8	267.5	274.3	281.0	287.6	294.1	295.7	297.2	293.4	289.7
241.7	60°	250.6	259.5	266.3	273.2	279.8	286.3	288.0	289.7	286.0	282.4
227.2	62.5°	237.5	247.8	255.2	262.5	268.5	274.5	276.1	277.8	274.5	271.1
211.6	65°	222.7	233.7	240.7	247.7	253.0	258.3	260.0	261.7	258.5	255.3
197.2	67.5°	207.4	217.6	224.3	230.9	235.5	240.0	241.7	243.3	240.3	237.4
182.8	70°	191.8	200.8	206.5	212.2	216.4	220.5	222.1	223.6	221.2	218.8
165.7	72.5°	172.8	179.8	185.0	190.2	194.2	198.3	200.1	202.0	200.0	198.0
145.1	75°	150.3	155.6	160.3	164.9	168.6	172.3	174.3	176.2	175.3	174.3
123.2	77.5°	127.5	131.8	135.8	139.8	143.7	147.6	149.4	151.2	149.9	148.5
98.4	80°	101.9	105.5	108.9	112.3	115.2	118.1	120.6	123.0	122.4	121.8
74.0	82.5°	73.7	73.4	72.2	71.0	77.3	83.6	87.7	91.8	91.5	91.3
46.0	85°	44.5	42.9	39.6	36.4	42.2	48.1	53.2	58.3	57.9	57.5
21.4	87.5°	21.3	21.2	18.7	16.2	18.7	21.2	23.2	25.3	24.8	24.2
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
552.5	0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
504.9	2.5°	503.4	501.6	503.4	504.9	506.3	507.9	509.5	511.5	513.5	516.0
473.0	5°	471.5	470.0	471.5	473.0	474.5	476.5	478.5	481.3	484.0	488.0
453.9	7.5°	452.6	451.6	452.6	453.9	455.3	457.5	459.8	463.1	466.4	471.1
448.7	10°	447.6	447.1	447.6	448.7	449.9	452.0	454.2	457.9	461.6	467.3
456.8	12.5°	455.8	455.6	455.8	456.8	457.7	460.1	462.5	467.3	472.1	479.3
471.8	15°	470.6	470.5	470.6	471.8	473.1	476.4	479.7	487.0	494.2	504.5
484.9	17.5°	483.2	483.0	483.2	484.9	486.5	491.4	496.3	507.0	517.7	531.3
491.8	20°	489.8	489.1	489.8	491.8	493.8	500.1	506.4	519.5	532.6	548.1
491.2	22.5°	489.0	488.1	489.0	491.2	493.5	500.1	506.8	520.3	533.7	548.6
482.9	25°	480.8	479.6	480.8	482.9	485.0	490.7	496.5	508.5	520.5	532.6
467.7	27.5°	466.7	466.4	466.7	467.7	468.7	472.5	476.4	485.7	495.0	503.7
447.7	30°	447.7	448.0	447.7	447.7	447.7	449.7	451.6	458.3	465.0	471.6
424.4	32.5°	424.6	424.9	424.6	424.4	424.2	425.5	426.8	432.1	437.4	443.5
400.5	35°	400.1	399.9	400.1	400.5	400.9	402.9	404.8	409.7	414.7	419.0
377.2	37.5°	375.3	374.2	375.3	377.2	379.0	382.6	386.2	390.7	395.2	397.2
355.2	40°	351.7	349.6	351.7	355.2	358.7	363.9	369.1	372.9	376.7	376.3
333.7	42.5°	328.6	325.2	328.6	333.7	338.8	345.3	351.7	355.0	358.2	355.8
313.9	45°	307.9	304.0	307.9	313.9	319.9	327.3	334.7	337.6	340.5	337.0
302.5	47.5°	296.9	293.2	296.9	302.5	308.0	314.6	321.2	323.2	325.2	321.2
297.5	50°	292.3	288.8	292.3	297.5	302.6	307.8	313.1	313.2	313.3	308.1
294.5	52.5°	289.9	286.6	289.9	294.5	299.1	303.4	307.7	306.6	305.5	299.3
291.1	55°	287.1	284.1	287.1	291.1	295.1	298.9	302.6	301.1	299.5	293.0
285.7	57.5°	281.7	278.6	281.7	285.7	289.7	293.4	297.2	295.7	294.1	287.6
278.2	60°	274.1	271.0	274.1	278.2	282.4	286.0	289.7	288.0	286.3	279.8
266.8	62.5°	262.5	258.7	262.5	266.8	271.1	274.5	277.8	276.1	274.5	268.5
251.1	65°	246.9	243.6	246.9	251.1	255.3	258.5	261.7	260.0	258.3	253.0
233.5	67.5°	229.6	226.6	229.6	233.5	237.4	240.3	243.3	241.7	240.0	235.5
215.1	70°	211.4	208.0	211.4	215.1	218.8	221.2	223.6	222.1	220.5	216.4
194.5	72.5°	190.9	187.6	190.9	194.5	198.0	200.0	202.0	200.1	198.3	194.2
171.3	75°	168.3	165.2	168.3	171.3	174.3	175.3	176.2	174.3	172.3	168.6
145.4	77.5°	142.4	139.9	142.4	145.4	148.5	149.9	151.2	149.4	147.6	143.7
117.8	80°	113.7	109.0	113.7	117.8	121.8	122.4	123.0	120.6	118.1	115.2
87.9	82.5°	84.4	81.4	84.4	87.9	91.3	91.5	91.8	87.7	83.6	77.3
54.8	85°	52.1	49.4	52.1	54.8	57.5	57.9	58.3	53.2	48.1	42.2
22.9	87.5°	21.5	20.1	21.5	22.9	24.2	24.8	25.3	23.2	21.2	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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
552.5	0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
518.5	2.5°	521.7	524.9	528.1	531.3	535.0	538.6	542.7	546.7	551.8	556.3
492.0	5°	497.2	502.3	508.0	513.7	520.1	526.5	534.2	541.9	550.7	559.6
475.9	7.5°	482.2	488.5	495.6	502.8	511.3	519.8	530.0	540.2	551.6	563.7
472.9	10°	480.0	487.1	494.8	502.5	511.0	519.5	530.2	541.0	553.3	568.2
486.5	12.5°	493.8	501.2	507.2	513.2	518.8	524.5	533.3	542.1	553.5	569.2
514.8	15°	521.2	527.5	529.1	530.7	529.9	529.1	533.3	537.6	546.7	564.1
544.9	17.5°	550.0	555.2	550.3	545.3	536.1	526.9	525.3	523.8	529.4	549.9
563.6	20°	566.0	568.4	558.1	547.8	531.8	515.7	508.5	501.3	502.8	526.7
563.4	22.5°	562.0	560.6	547.2	533.8	515.4	497.1	486.5	475.8	472.9	500.1
544.8	25°	539.9	535.0	521.8	508.6	492.1	475.7	463.4	451.1	443.2	471.1
512.3	27.5°	506.8	501.4	490.8	480.3	466.7	453.2	441.3	429.4	419.9	445.3
478.2	30°	473.7	469.3	460.5	451.8	440.5	429.3	419.8	410.4	402.9	424.2
449.6	32.5°	444.6	439.7	431.3	422.9	413.9	404.9	399.3	393.8	390.4	407.6
423.3	35°	417.4	411.4	403.1	394.8	387.9	381.1	379.5	378.0	379.4	393.7
399.2	37.5°	391.9	384.6	376.2	368.0	363.1	358.1	359.8	361.5	366.6	379.1
375.8	40°	367.3	358.9	350.9	342.9	339.3	335.8	339.6	343.5	351.2	362.5
353.3	42.5°	344.2	335.1	327.5	319.9	317.0	314.1	319.2	324.3	334.0	344.5
333.5	45°	324.0	314.6	307.4	300.2	297.7	295.3	300.2	305.2	314.6	325.2
317.2	47.5°	307.8	298.5	291.5	284.4	282.1	279.9	284.0	288.2	296.3	310.0
303.0	50°	294.6	286.3	279.6	273.0	269.4	265.8	269.5	273.2	282.6	300.6
293.2	52.5°	285.4	277.6	271.5	265.4	260.1	254.7	258.4	262.0	275.2	295.9
286.5	55°	279.7	272.9	266.3	259.8	252.2	244.6	250.3	256.1	275.9	295.2
281.0	57.5°	274.3	267.5	259.8	252.1	243.9	235.7	244.1	252.5	276.7	293.6
273.2	60°	266.3	259.5	250.6	241.7	234.6	227.4	238.3	249.2	274.3	285.5
262.5	62.5°	255.2	247.8	237.5	227.2	222.6	218.1	231.6	245.3	268.6	270.0
247.7	65°	240.7	233.7	222.7	211.6	209.9	208.1	222.6	237.0	254.8	254.7
230.9	67.5°	224.3	217.6	207.4	197.2	197.7	198.3	210.3	222.4	232.4	232.8
212.2	70°	206.5	200.8	191.8	182.8	184.7	186.6	195.2	203.7	207.0	207.0
190.2	72.5°	185.0	179.8	172.8	165.7	168.5	171.3	177.1	183.0	183.0	180.9
164.9	75°	160.3	155.6	150.3	145.1	147.8	150.4	155.0	159.5	160.3	150.7
139.8	77.5°	135.8	131.8	127.5	123.2	125.9	128.7	132.3	135.9	136.3	120.5
112.3	80°	108.9	105.5	101.9	98.4	100.7	102.9	106.0	109.0	109.1	90.2
71.0	82.5°	72.2	73.4	73.7	74.0	75.6	77.2	78.7	80.2	79.3	63.2
36.4	85°	39.6	42.9	44.5	46.0	47.8	49.6	51.2	52.8	51.6	39.6
16.2	87.5°	18.7	21.2	21.3	21.4	21.7	22.0	22.7	23.3	21.8	16.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
552.5	0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5
560.9	2.5°	565.6	570.5	575.4	580.2	585.1	589.6	594.2
569.0	5°	578.5	588.6	598.7	608.7	618.8	628.8	638.9
576.9	7.5°	590.0	605.0	619.9	635.3	650.6	667.2	683.9
583.8	10°	599.4	617.6	635.7	656.0	676.3	697.3	718.3
586.8	12.5°	604.5	625.9	647.3	670.3	693.2	716.3	739.4
584.5	15°	604.9	629.6	654.2	679.2	704.1	728.2	752.2
574.5	17.5°	599.0	627.6	656.2	683.4	710.6	735.0	759.4
557.1	20°	587.5	622.2	656.9	686.8	716.7	742.0	767.4
536.7	22.5°	573.3	615.5	657.7	691.3	724.8	750.7	776.6
514.0	25°	556.9	608.9	661.1	699.4	737.7	763.1	788.5
493.2	27.5°	541.1	604.6	668.1	712.1	756.1	780.4	804.6
475.8	30°	527.3	602.5	677.6	728.6	779.5	802.9	826.3
460.8	32.5°	514.0	600.0	685.9	745.8	805.7	828.8	852.0
446.1	35°	498.4	595.2	692.0	765.4	838.8	861.0	883.1
428.7	37.5°	478.3	587.0	695.6	787.3	879.1	907.3	935.6
408.0	40°	453.5	575.7	697.8	815.2	932.5	973.7	1014.9
385.2	42.5°	425.9	564.0	702.1	851.6	1001.1	1060.6	1120.1
360.9	45°	396.6	553.2	709.7	899.6	1089.4	1169.7	1249.9
341.7	47.5°	373.5	544.2	714.9	950.7	1186.4	1299.4	1412.3
329.0	50°	357.4	534.5	711.5	998.1	1284.6	1454.9	1625.2
320.6	52.5°	345.4	518.0	690.6	1028.9	1367.1	1618.3	1869.5
314.5	55°	333.9	490.7	647.5	1022.1	1396.6	1763.2	2129.7
307.3	57.5°	321.0	452.2	583.4	974.3	1365.3	1865.8	2366.3
296.3	60°	307.0	402.2	497.3	885.5	1273.6	1891.5	2509.3
277.1	62.5°	284.3	342.4	400.5	765.3	1130.2	1783.4	2436.7
258.0	65°	261.4	288.5	315.6	642.7	969.9	1630.6	2291.3
231.0	67.5°	229.1	236.8	244.5	522.7	800.8	1448.7	2096.6
198.3	70°	189.6	187.4	185.2	411.5	637.8	1250.2	1862.7
168.5	72.5°	156.1	149.5	142.9	314.6	486.4	1035.1	1583.9
136.8	75°	123.0	116.9	110.9	228.3	345.8	788.5	1231.2
107.1	77.5°	93.6	89.5	85.4	154.7	224.1	551.9	879.6
78.8	80°	67.4	65.7	64.0	99.7	135.4	355.5	575.7
54.8	82.5°	46.4	46.0	45.8	61.3	76.9	205.8	334.7
33.5	85°	27.3	27.5	27.7	32.8	37.9	92.6	147.2
14.3	87.5°	11.8	12.0	12.1	13.6	15.1	30.3	45.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)