

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: P945533

Luminaire Tested: **GALN-SB1B-950-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945533
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-950-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3905 lumens
Efficiency: N/A
Efficacy: 98.1 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

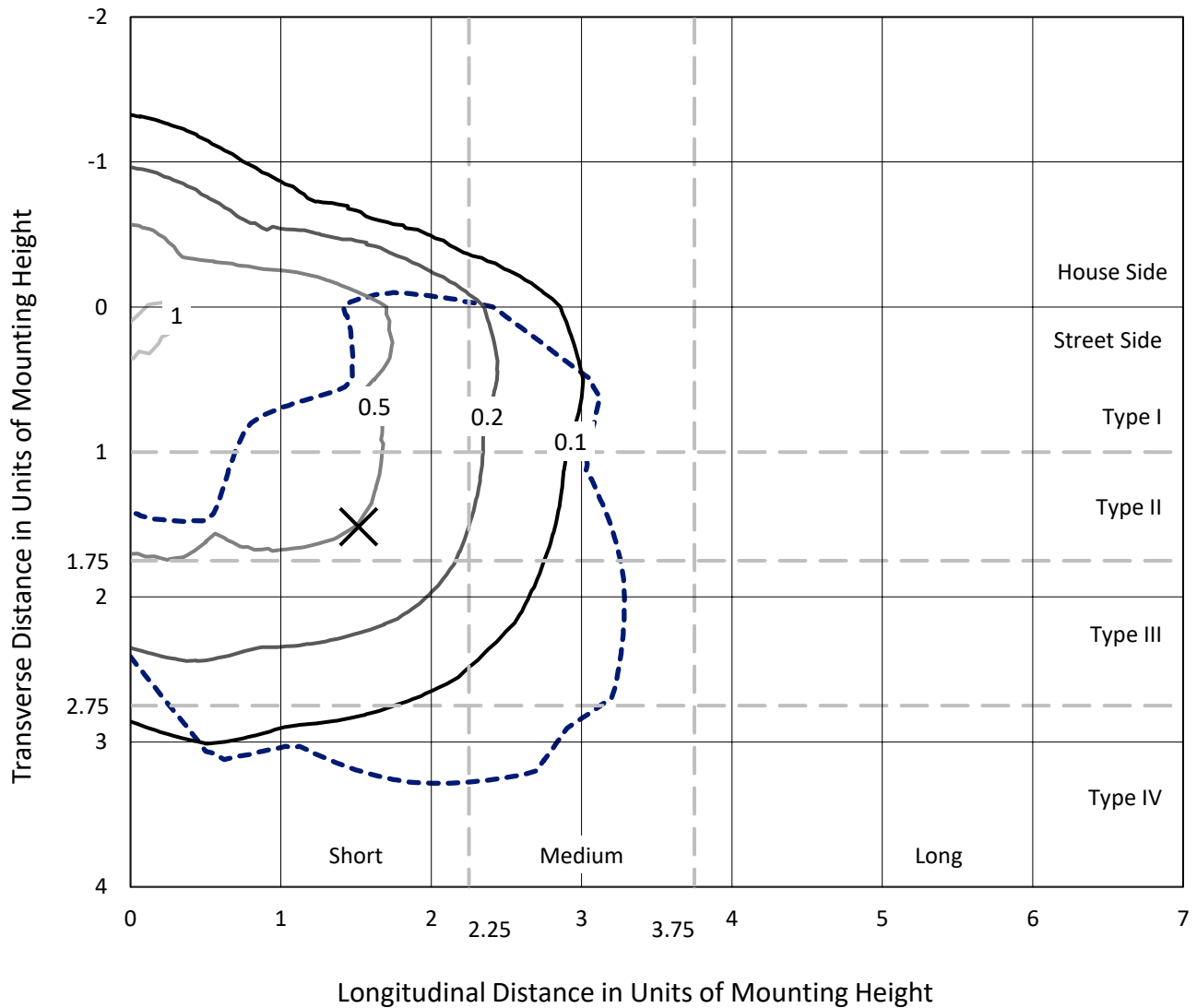
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

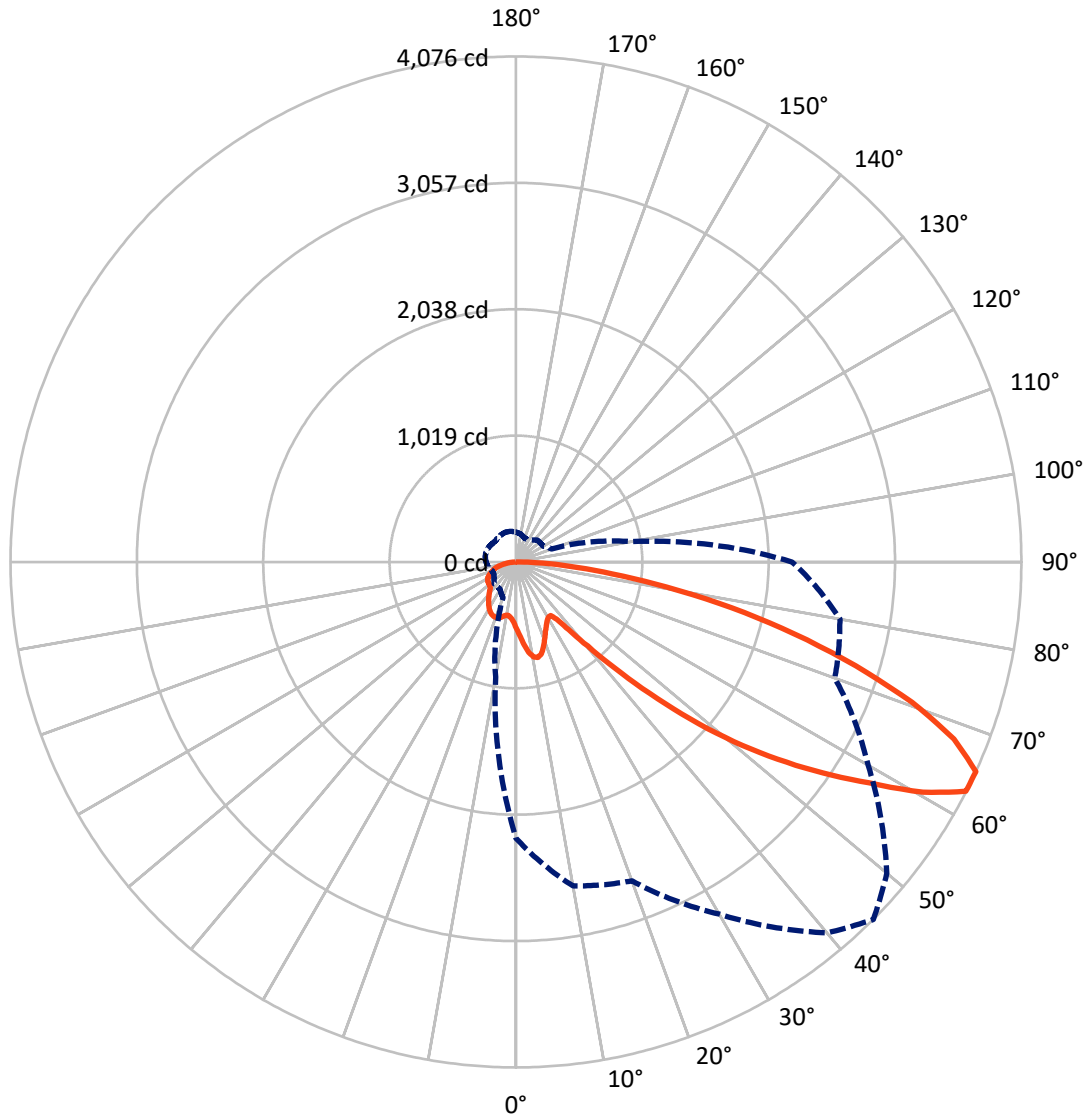
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	992.5	0.0	992.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	2912.5	0.0	2912.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	3905.0	0.0	3905.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	1.4
10°-20°	167.2	4.3
20°-30°	258.3	6.6
30°-40°	327.3	8.4
40°-50°	493.7	12.6
50°-60°	797.6	20.4
60°-70°	994.4	25.5
70°-80°	652.1	16.7
80°-90°	161.2	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°	3905.0	100.0
0°-180°	3905.0	100.0



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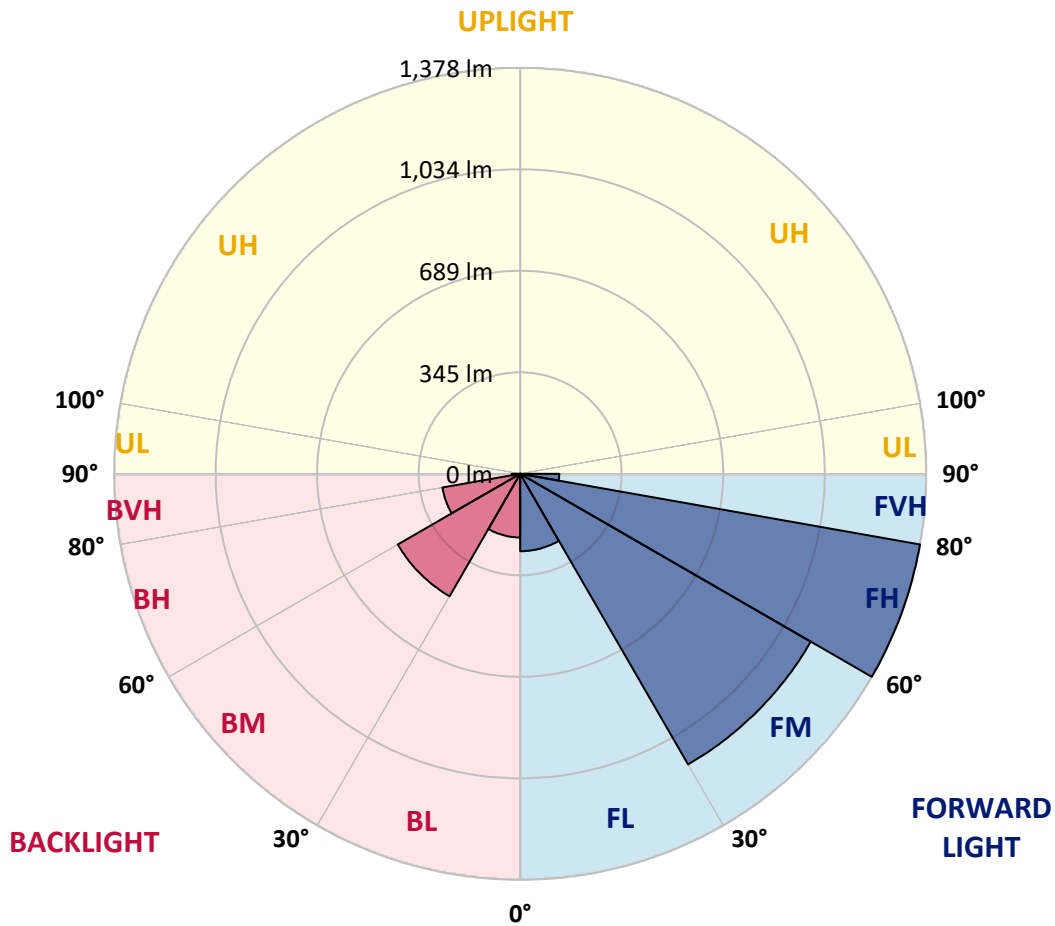
CATALOG NUMBER: GALN-SB1B-950-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.7	6.7			
FM (30°-60°)	1139.0	29.2			
FH (60°-80°)	1378.1	35.3			G1/1800
FVH (80°-90°)	132.8	3.4			G2/225
BL (0°-30°)	216.1	5.5	B1/500		
BM (30°-60°)	479.6	12.3	B1/1000		
BH (60°-80°)	268.3	6.9	B1/500		G1/500
BVH (80°-90°)	28.4	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°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
2.5°	577.5	579.6	581.8	585.0	588.1	589.9	591.8	592.7	593.6	593.2
5°	620.9	628.6	636.2	643.8	651.4	655.6	659.7	662.2	664.7	666.6
7.5°	664.6	677.1	689.5	700.7	711.9	718.6	725.3	729.0	732.6	734.4
10°	698.1	712.8	727.5	740.7	753.8	761.7	769.6	773.2	776.7	778.1
12.5°	718.6	734.6	750.5	762.4	774.2	779.9	785.7	787.7	789.6	789.8
15°	731.1	744.8	758.6	766.0	773.5	773.7	773.9	771.8	769.8	767.3
17.5°	738.1	747.4	756.7	756.8	756.9	748.6	740.2	732.6	724.9	719.5
20°	745.8	749.0	752.3	742.5	732.7	714.3	695.9	682.5	669.1	660.8
22.5°	754.8	750.5	746.3	726.0	705.7	678.6	651.5	634.8	618.0	608.9
25°	766.3	752.9	739.5	708.7	678.0	645.0	612.1	594.5	576.9	568.3
27.5°	782.0	758.0	734.1	693.3	652.5	616.1	579.6	562.2	544.9	536.8
30°	803.1	767.4	731.7	681.5	631.3	593.3	555.3	539.2	523.1	515.5
32.5°	828.0	779.1	730.2	673.5	616.7	581.0	545.3	532.6	520.0	514.5
35°	858.3	798.5	738.7	679.5	620.3	595.5	570.7	567.8	564.8	564.4
37.5°	909.3	838.9	768.5	714.8	661.0	659.4	657.8	671.2	684.7	691.7
40°	986.4	909.8	833.3	793.3	753.3	781.5	809.7	842.5	875.3	891.6
42.5°	1088.6	1012.6	936.7	913.6	890.6	952.2	1013.7	1073.3	1132.9	1167.9
45°	1214.8	1146.6	1078.3	1068.2	1058.0	1156.6	1255.3	1353.2	1451.1	1510.6
47.5°	1372.6	1306.2	1239.9	1237.8	1235.7	1378.0	1520.3	1663.6	1807.0	1891.1
50°	1579.5	1497.5	1415.5	1415.9	1416.2	1599.6	1783.0	1972.2	2161.4	2275.8
52.5°	1817.0	1717.7	1618.4	1608.4	1598.3	1817.4	2036.5	2270.6	2504.7	2641.8
55°	2069.8	1971.7	1873.6	1834.5	1795.4	2039.2	2283.0	2562.0	2841.1	3004.2
57.5°	2299.7	2246.3	2192.9	2114.4	2036.0	2282.1	2528.3	2844.4	3160.5	3362.8
60°	2438.7	2521.7	2604.7	2507.2	2409.7	2642.7	2875.7	3214.1	3552.6	3771.2
62.5°	2368.2	2594.8	2821.5	2810.5	2799.5	3012.9	3226.4	3548.4	3870.4	4072.4
65°	2226.9	2439.7	2652.4	2694.5	2736.6	3007.8	3279.0	3591.3	3903.5	4075.5
67.5°	2037.6	2240.0	2442.3	2462.1	2481.8	2764.4	3046.9	3360.5	3674.1	3808.9
70°	1810.3	2030.4	2250.5	2259.3	2268.1	2520.8	2773.5	3043.4	3313.2	3388.1
72.5°	1539.3	1791.9	2044.4	2050.8	2057.1	2254.8	2452.5	2654.6	2856.7	2864.3
75°	1196.5	1457.9	1719.3	1742.8	1766.3	1920.1	2073.9	2216.2	2358.5	2320.3
77.5°	854.9	1098.9	1342.9	1376.5	1410.1	1527.1	1644.0	1744.9	1845.8	1780.3
80°	559.5	764.8	970.1	1011.8	1053.6	1141.9	1230.2	1283.2	1336.1	1230.7
82.5°	325.3	465.6	606.0	652.6	699.2	760.0	820.8	842.9	865.0	782.2
85°	143.1	217.6	292.1	331.7	371.4	421.4	471.3	483.8	496.4	430.0
87.5°	44.3	69.3	94.4	116.5	138.6	163.6	188.6	189.7	190.7	160.1
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°
537.0	0°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
593.6	2.5°	592.7	591.8	589.9	588.1	585.0	581.8	579.6	577.5	573.0	568.6
664.7	5°	662.2	659.7	655.6	651.4	643.8	636.2	628.6	620.9	611.1	601.4
732.6	7.5°	729.0	725.3	718.6	711.9	700.7	689.5	677.1	664.6	648.5	632.3
776.7	10°	773.2	769.6	761.7	753.8	740.7	727.5	712.8	698.1	677.7	657.3
789.6	12.5°	787.7	785.7	779.9	774.2	762.4	750.5	734.6	718.6	696.2	673.7
769.8	15°	771.8	773.9	773.7	773.5	766.0	758.6	744.8	731.1	707.7	684.3
724.9	17.5°	732.6	740.2	748.6	756.9	756.8	756.7	747.4	738.1	714.4	690.6
669.1	20°	682.5	695.9	714.3	732.7	742.5	752.3	749.0	745.8	721.2	696.5
618.0	22.5°	634.8	651.5	678.6	705.7	726.0	746.3	750.5	754.8	729.6	704.4
576.9	25°	594.5	612.1	645.0	678.0	708.7	739.5	752.9	766.3	741.6	717.0
544.9	27.5°	562.2	579.6	616.1	652.5	693.3	734.1	758.0	782.0	758.4	734.9
523.1	30°	539.2	555.3	593.3	631.3	681.5	731.7	767.4	803.1	780.3	757.6
520.0	32.5°	532.6	545.3	581.0	616.7	673.5	730.2	779.1	828.0	805.5	783.0
564.8	35°	567.8	570.7	595.5	620.3	679.5	738.7	798.5	858.3	836.8	815.2
684.7	37.5°	671.2	657.8	659.4	661.0	714.8	768.5	838.9	909.3	881.8	854.3
875.3	40°	842.5	809.7	781.5	753.3	793.3	833.3	909.8	986.4	946.3	906.3
1132.9	42.5°	1073.3	1013.7	952.2	890.6	913.6	936.7	1012.6	1088.6	1030.8	972.9
1451.1	45°	1353.2	1255.3	1156.6	1058.0	1068.2	1078.3	1146.6	1214.8	1136.8	1058.8
1807.0	47.5°	1663.6	1520.3	1378.0	1235.7	1237.8	1239.9	1306.2	1372.6	1262.9	1153.1
2161.4	50°	1972.2	1783.0	1599.6	1416.2	1415.9	1415.5	1497.5	1579.5	1414.0	1248.5
2504.7	52.5°	2270.6	2036.5	1817.4	1598.3	1608.4	1618.4	1717.7	1817.0	1572.8	1328.6
2841.1	55°	2562.0	2283.0	2039.2	1795.4	1834.5	1873.6	1971.7	2069.8	1713.6	1357.4
3160.5	57.5°	2844.4	2528.3	2282.1	2036.0	2114.4	2192.9	2246.3	2299.7	1813.3	1326.9
3552.6	60°	3214.1	2875.7	2642.7	2409.7	2507.2	2604.7	2521.7	2438.7	1838.3	1237.8
3870.4	62.5°	3548.4	3226.4	3012.9	2799.5	2810.5	2821.5	2594.8	2368.2	1733.3	1098.4
3903.5	65°	3591.3	3279.0	3007.8	2736.6	2694.5	2652.4	2439.7	2226.9	1584.7	942.6
3674.1	67.5°	3360.5	3046.9	2764.4	2481.8	2462.1	2442.3	2240.0	2037.6	1408.0	778.3
3313.2	70°	3043.4	2773.5	2520.8	2268.1	2259.3	2250.5	2030.4	1810.3	1215.1	619.9
2856.7	72.5°	2654.6	2452.5	2254.8	2057.1	2050.8	2044.4	1791.9	1539.3	1006.0	472.7
2358.5	75°	2216.2	2073.9	1920.1	1766.3	1742.8	1719.3	1457.9	1196.5	766.3	336.0
1845.8	77.5°	1744.9	1644.0	1527.1	1410.1	1376.5	1342.9	1098.9	854.9	536.3	217.8
1336.1	80°	1283.2	1230.2	1141.9	1053.6	1011.8	970.1	764.8	559.5	345.5	131.6
865.0	82.5°	842.9	820.8	760.0	699.2	652.6	606.0	465.6	325.3	200.0	74.8
496.4	85°	483.8	471.3	421.4	371.4	331.7	292.1	217.6	143.1	90.0	36.8
190.7	87.5°	189.7	188.6	163.6	138.6	116.5	94.4	69.3	44.3	29.5	14.6
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°
537.0	0°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
563.9	2.5°	559.2	554.4	549.7	545.2	540.6	536.2	531.4	527.4	523.5	519.9
591.6	5°	581.8	572.0	562.2	553.0	543.9	535.2	526.7	519.2	511.7	505.5
617.4	7.5°	602.5	588.0	573.4	560.6	547.9	536.0	525.0	515.0	505.1	496.9
637.5	10°	617.8	600.2	582.5	567.4	552.3	537.7	525.8	515.3	504.9	496.6
651.4	12.5°	629.1	608.3	587.5	570.3	553.2	537.9	526.8	518.3	509.7	504.3
660.1	15°	635.8	611.9	587.9	568.1	548.3	531.3	522.4	518.3	514.3	515.0
664.2	17.5°	637.8	610.0	582.1	558.3	534.5	514.5	509.1	510.6	512.0	521.0
667.4	20°	638.4	604.7	571.0	541.4	511.9	488.7	487.2	494.2	501.2	516.8
671.8	22.5°	639.2	598.2	557.2	521.6	486.0	459.6	462.4	472.8	483.2	501.0
679.7	25°	642.5	591.8	541.2	499.5	457.8	430.8	438.4	450.3	462.3	478.3
692.1	27.5°	649.3	587.6	525.8	479.3	432.8	408.1	417.4	428.9	440.4	453.6
708.1	30°	658.6	585.6	512.5	462.4	412.3	391.6	398.9	408.0	417.2	428.1
724.8	32.5°	666.6	583.1	499.5	447.8	396.1	379.4	382.7	388.1	393.5	402.2
743.8	35°	672.5	578.4	484.4	433.5	382.6	368.7	367.4	368.9	370.4	377.0
765.2	37.5°	676.0	570.5	464.9	416.7	368.4	356.3	351.4	349.7	348.1	352.8
792.2	40°	678.2	559.5	440.7	396.5	352.3	341.3	333.8	330.1	326.3	329.8
827.7	42.5°	682.4	548.1	413.9	374.4	334.8	324.6	315.2	310.2	305.3	308.1
874.3	45°	689.8	537.6	385.5	350.8	316.1	305.8	296.6	291.8	287.0	289.3
923.9	47.5°	694.8	528.9	363.0	332.1	301.2	288.0	280.1	276.0	272.0	274.2
970.0	50°	691.5	519.4	347.4	319.8	292.1	274.7	265.5	261.9	258.3	261.8
999.9	52.5°	671.2	503.4	335.7	311.6	287.5	267.5	254.6	251.1	247.6	252.8
993.3	55°	629.3	476.9	324.5	305.7	286.9	268.2	248.9	243.3	237.7	245.1
946.9	57.5°	567.0	439.5	312.0	298.7	285.4	268.9	245.4	237.2	229.1	237.0
860.6	60°	483.4	390.9	298.4	288.0	277.5	266.6	242.2	231.6	221.0	228.0
743.8	62.5°	389.2	332.7	276.3	269.3	262.4	261.1	238.4	225.1	211.9	216.4
624.7	65°	306.8	280.4	254.1	250.8	247.5	247.7	230.4	216.3	202.2	204.0
508.0	67.5°	237.6	230.1	222.6	224.5	226.3	225.8	216.1	204.4	192.7	192.2
399.9	70°	180.0	182.1	184.3	192.7	201.2	201.2	198.0	189.7	181.4	179.5
305.8	72.5°	138.8	145.3	151.8	163.8	175.8	177.8	177.9	172.2	166.4	163.7
221.9	75°	107.8	113.7	119.5	133.0	146.5	155.8	155.0	150.6	146.2	143.6
150.4	77.5°	83.0	87.0	91.0	104.1	117.1	132.5	132.1	128.6	125.0	122.4
96.9	80°	62.2	63.9	65.5	76.6	87.7	106.0	106.0	103.0	100.0	97.8
59.6	82.5°	44.5	44.8	45.1	53.2	61.4	77.1	77.9	76.5	75.0	73.5
31.9	85°	26.9	26.7	26.6	32.6	38.5	50.2	51.3	49.8	48.2	46.5
13.2	87.5°	11.8	11.6	11.5	13.9	16.4	21.2	22.7	22.0	21.4	21.1
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
537.0	0°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
516.4	2.5°	513.3	510.1	507.0	503.9	501.5	499.1	497.1	495.1	493.6	492.1
499.2	5°	493.7	488.2	483.2	478.1	474.3	470.4	467.7	465.0	463.1	461.2
488.7	7.5°	481.7	474.7	468.6	462.5	457.9	453.3	450.1	446.9	444.7	442.5
488.4	10°	480.9	473.4	466.5	459.6	454.1	448.6	445.0	441.4	439.3	437.2
498.8	12.5°	492.9	487.1	479.9	472.8	465.8	458.8	454.1	449.5	447.2	444.9
515.7	15°	514.2	512.7	506.5	500.3	490.3	480.3	473.3	466.3	463.0	459.8
530.0	17.5°	534.8	539.5	534.5	529.6	516.3	503.1	492.8	482.4	477.6	472.8
532.4	20°	542.4	552.4	550.1	547.8	532.7	517.6	504.9	492.2	486.0	479.9
518.8	22.5°	531.8	544.8	546.2	547.6	533.2	518.7	505.6	492.5	486.1	479.6
494.3	25°	507.1	519.9	524.7	529.5	517.6	505.8	494.2	482.5	476.9	471.3
466.7	27.5°	477.0	487.3	492.6	497.9	489.5	481.1	472.0	463.0	459.2	455.5
439.1	30°	447.6	456.1	460.4	464.7	458.3	451.9	445.4	438.9	437.0	435.1
411.0	32.5°	419.1	427.3	432.1	436.9	431.0	425.1	420.0	414.8	413.5	412.3
383.7	35°	391.7	399.8	405.6	411.4	407.2	403.0	398.2	393.5	391.5	389.6
357.6	37.5°	365.7	373.7	380.9	388.0	386.1	384.1	379.7	375.3	371.8	368.4
333.2	40°	341.0	348.8	357.0	365.2	365.7	366.2	362.4	358.7	353.6	348.6
310.9	42.5°	318.3	325.7	334.5	343.4	345.8	348.1	345.0	341.8	335.6	329.3
291.7	45°	298.7	305.7	314.9	324.1	327.5	330.9	328.1	325.3	318.1	310.9
276.4	47.5°	283.3	290.1	299.2	308.3	312.2	316.1	314.1	312.1	305.7	299.4
265.3	50°	271.8	278.2	286.3	294.4	299.5	304.5	304.4	304.3	299.2	294.1
258.0	52.5°	263.9	269.8	277.4	285.0	290.9	296.9	298.0	299.0	294.9	290.7
252.5	55°	258.8	265.2	271.9	278.5	284.8	291.1	292.6	294.1	290.5	286.8
245.0	57.5°	252.5	260.0	266.5	273.1	279.5	285.8	287.3	288.8	285.2	281.5
234.9	60°	243.6	252.2	258.8	265.5	271.9	278.3	279.9	281.6	278.0	274.4
220.8	62.5°	230.8	240.9	248.0	255.1	260.9	266.8	268.4	270.0	266.7	263.5
205.6	65°	216.4	227.2	234.0	240.8	245.9	251.1	252.7	254.3	251.2	248.1
191.6	67.5°	201.6	211.5	218.0	224.4	228.8	233.3	234.9	236.4	233.6	230.7
177.7	70°	186.4	195.1	200.7	206.3	210.3	214.3	215.8	217.3	215.0	212.7
161.0	72.5°	167.9	174.8	179.8	184.8	188.8	192.7	194.5	196.3	194.4	192.5
141.0	75°	146.1	151.2	155.8	160.3	163.9	167.5	169.4	171.3	170.3	169.4
119.8	77.5°	123.9	128.1	132.0	135.9	139.7	143.4	145.2	147.0	145.6	144.3
95.6	80°	99.1	102.5	105.8	109.1	112.0	114.8	117.2	119.5	118.9	118.4
71.9	82.5°	71.6	71.3	70.2	69.0	75.1	81.2	85.2	89.2	89.0	88.7
44.7	85°	43.2	41.7	38.5	35.3	41.0	46.8	51.7	56.7	56.3	55.8
20.8	87.5°	20.7	20.6	18.2	15.8	18.2	20.6	22.6	24.6	24.1	23.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
537.0	0°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
490.7	2.5°	489.3	487.5	489.3	490.7	492.1	493.6	495.1	497.1	499.1	501.5
459.7	5°	458.3	456.8	458.3	459.7	461.2	463.1	465.0	467.7	470.4	474.3
441.2	7.5°	439.9	438.9	439.9	441.2	442.5	444.7	446.9	450.1	453.3	457.9
436.1	10°	435.0	434.6	435.0	436.1	437.2	439.3	441.4	445.0	448.6	454.1
443.9	12.5°	443.0	442.8	443.0	443.9	444.9	447.2	449.5	454.1	458.8	465.8
458.6	15°	457.3	457.2	457.3	458.6	459.8	463.0	466.3	473.3	480.3	490.3
471.2	17.5°	469.6	469.4	469.6	471.2	472.8	477.6	482.4	492.8	503.1	516.3
477.9	20°	476.0	475.4	476.0	477.9	479.9	486.0	492.2	504.9	517.6	532.7
477.4	22.5°	475.3	474.3	475.3	477.4	479.6	486.1	492.5	505.6	518.7	533.2
469.3	25°	467.3	466.1	467.3	469.3	471.3	476.9	482.5	494.2	505.8	517.6
454.6	27.5°	453.6	453.3	453.6	454.6	455.5	459.2	463.0	472.0	481.1	489.5
435.1	30°	435.1	435.4	435.1	435.1	435.1	437.0	438.9	445.4	451.9	458.3
412.4	32.5°	412.6	412.9	412.6	412.4	412.3	413.5	414.8	420.0	425.1	431.0
389.2	35°	388.8	388.6	388.8	389.2	389.6	391.5	393.5	398.2	403.0	407.2
366.5	37.5°	364.7	363.7	364.7	366.5	368.4	371.8	375.3	379.7	384.1	386.1
345.2	40°	341.8	339.8	341.8	345.2	348.6	353.6	358.7	362.4	366.2	365.7
324.3	42.5°	319.3	316.1	319.3	324.3	329.3	335.6	341.8	345.0	348.1	345.8
305.1	45°	299.2	295.5	299.2	305.1	310.9	318.1	325.3	328.1	330.9	327.5
294.0	47.5°	288.6	285.0	288.6	294.0	299.4	305.7	312.1	314.1	316.1	312.2
289.1	50°	284.1	280.6	284.1	289.1	294.1	299.2	304.3	304.4	304.5	299.5
286.2	52.5°	281.8	278.6	281.8	286.2	290.7	294.9	299.0	298.0	296.9	290.9
282.9	55°	279.0	276.1	279.0	282.9	286.8	290.5	294.1	292.6	291.1	284.8
277.6	57.5°	273.7	270.8	273.7	277.6	281.5	285.2	288.8	287.3	285.8	279.5
270.4	60°	266.4	263.3	266.4	270.4	274.4	278.0	281.6	279.9	278.3	271.9
259.3	62.5°	255.1	251.4	255.1	259.3	263.5	266.7	270.0	268.4	266.8	260.9
244.0	65°	239.9	236.8	239.9	244.0	248.1	251.2	254.3	252.7	251.1	245.9
226.9	67.5°	223.2	220.3	223.2	226.9	230.7	233.6	236.4	234.9	233.3	228.8
209.1	70°	205.4	202.1	205.4	209.1	212.7	215.0	217.3	215.8	214.3	210.3
189.0	72.5°	185.5	182.4	185.5	189.0	192.5	194.4	196.3	194.5	192.7	188.8
166.5	75°	163.6	160.5	163.6	166.5	169.4	170.3	171.3	169.4	167.5	163.9
141.4	77.5°	138.4	136.0	138.4	141.4	144.3	145.6	147.0	145.2	143.4	139.7
114.4	80°	110.5	105.9	110.5	114.4	118.4	118.9	119.5	117.2	114.8	112.0
85.4	82.5°	82.0	79.1	82.0	85.4	88.7	89.0	89.2	85.2	81.2	75.1
53.2	85°	50.6	48.0	50.6	53.2	55.8	56.3	56.7	51.7	46.8	41.0
22.2	87.5°	20.9	19.6	20.9	22.2	23.5	24.1	24.6	22.6	20.6	18.2
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
537.0	0°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
503.9	2.5°	507.0	510.1	513.3	516.4	519.9	523.5	527.4	531.4	536.2	540.6
478.1	5°	483.2	488.2	493.7	499.2	505.5	511.7	519.2	526.7	535.2	543.9
462.5	7.5°	468.6	474.7	481.7	488.7	496.9	505.1	515.0	525.0	536.0	547.9
459.6	10°	466.5	473.4	480.9	488.4	496.6	504.9	515.3	525.8	537.7	552.3
472.8	12.5°	479.9	487.1	492.9	498.8	504.3	509.7	518.3	526.8	537.9	553.2
500.3	15°	506.5	512.7	514.2	515.7	515.0	514.3	518.3	522.4	531.3	548.3
529.6	17.5°	534.5	539.5	534.8	530.0	521.0	512.0	510.6	509.1	514.5	534.5
547.8	20°	550.1	552.4	542.4	532.4	516.8	501.2	494.2	487.2	488.7	511.9
547.6	22.5°	546.2	544.8	531.8	518.8	501.0	483.2	472.8	462.4	459.6	486.0
529.5	25°	524.7	519.9	507.1	494.3	478.3	462.3	450.3	438.4	430.8	457.8
497.9	27.5°	492.6	487.3	477.0	466.7	453.6	440.4	428.9	417.4	408.1	432.8
464.7	30°	460.4	456.1	447.6	439.1	428.1	417.2	408.0	398.9	391.6	412.3
436.9	32.5°	432.1	427.3	419.1	411.0	402.2	393.5	388.1	382.7	379.4	396.1
411.4	35°	405.6	399.8	391.7	383.7	377.0	370.4	368.9	367.4	368.7	382.6
388.0	37.5°	380.9	373.7	365.7	357.6	352.8	348.1	349.7	351.4	356.3	368.4
365.2	40°	357.0	348.8	341.0	333.2	329.8	326.3	330.1	333.8	341.3	352.3
343.4	42.5°	334.5	325.7	318.3	310.9	308.1	305.3	310.2	315.2	324.6	334.8
324.1	45°	314.9	305.7	298.7	291.7	289.3	287.0	291.8	296.6	305.8	316.1
308.3	47.5°	299.2	290.1	283.3	276.4	274.2	272.0	276.0	280.1	288.0	301.2
294.4	50°	286.3	278.2	271.8	265.3	261.8	258.3	261.9	265.5	274.7	292.1
285.0	52.5°	277.4	269.8	263.9	258.0	252.8	247.6	251.1	254.6	267.5	287.5
278.5	55°	271.9	265.2	258.8	252.5	245.1	237.7	243.3	248.9	268.2	286.9
273.1	57.5°	266.5	260.0	252.5	245.0	237.0	229.1	237.2	245.4	268.9	285.4
265.5	60°	258.8	252.2	243.6	234.9	228.0	221.0	231.6	242.2	266.6	277.5
255.1	62.5°	248.0	240.9	230.8	220.8	216.4	211.9	225.1	238.4	261.1	262.4
240.8	65°	234.0	227.2	216.4	205.6	204.0	202.2	216.3	230.4	247.7	247.5
224.4	67.5°	218.0	211.5	201.6	191.6	192.2	192.7	204.4	216.1	225.8	226.3
206.3	70°	200.7	195.1	186.4	177.7	179.5	181.4	189.7	198.0	201.2	201.2
184.8	72.5°	179.8	174.8	167.9	161.0	163.7	166.4	172.2	177.9	177.8	175.8
160.3	75°	155.8	151.2	146.1	141.0	143.6	146.2	150.6	155.0	155.8	146.5
135.9	77.5°	132.0	128.1	123.9	119.8	122.4	125.0	128.6	132.1	132.5	117.1
109.1	80°	105.8	102.5	99.1	95.6	97.8	100.0	103.0	106.0	106.0	87.7
69.0	82.5°	70.2	71.3	71.6	71.9	73.5	75.0	76.5	77.9	77.1	61.4
35.3	85°	38.5	41.7	43.2	44.7	46.5	48.2	49.8	51.3	50.2	38.5
15.8	87.5°	18.2	20.6	20.7	20.8	21.1	21.4	22.0	22.7	21.2	16.4
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):

325°		330°	335°	340°	345°	350°	355°	360°
537.0	0°	537.0	537.0	537.0	537.0	537.0	537.0	537.0
545.2	2.5°	549.7	554.4	559.2	563.9	568.6	573.0	577.5
553.0	5°	562.2	572.0	581.8	591.6	601.4	611.1	620.9
560.6	7.5°	573.4	588.0	602.5	617.4	632.3	648.5	664.6
567.4	10°	582.5	600.2	617.8	637.5	657.3	677.7	698.1
570.3	12.5°	587.5	608.3	629.1	651.4	673.7	696.2	718.6
568.1	15°	587.9	611.9	635.8	660.1	684.3	707.7	731.1
558.3	17.5°	582.1	610.0	637.8	664.2	690.6	714.4	738.1
541.4	20°	571.0	604.7	638.4	667.4	696.5	721.2	745.8
521.6	22.5°	557.2	598.2	639.2	671.8	704.4	729.6	754.8
499.5	25°	541.2	591.8	642.5	679.7	717.0	741.6	766.3
479.3	27.5°	525.8	587.6	649.3	692.1	734.9	758.4	782.0
462.4	30°	512.5	585.6	658.6	708.1	757.6	780.3	803.1
447.8	32.5°	499.5	583.1	666.6	724.8	783.0	805.5	828.0
433.5	35°	484.4	578.4	672.5	743.8	815.2	836.8	858.3
416.7	37.5°	464.9	570.5	676.0	765.2	854.3	881.8	909.3
396.5	40°	440.7	559.5	678.2	792.2	906.3	946.3	986.4
374.4	42.5°	413.9	548.1	682.4	827.7	972.9	1030.8	1088.6
350.8	45°	385.5	537.6	689.8	874.3	1058.8	1136.8	1214.8
332.1	47.5°	363.0	528.9	694.8	923.9	1153.1	1262.9	1372.6
319.8	50°	347.4	519.4	691.5	970.0	1248.5	1414.0	1579.5
311.6	52.5°	335.7	503.4	671.2	999.9	1328.6	1572.8	1817.0
305.7	55°	324.5	476.9	629.3	993.3	1357.4	1713.6	2069.8
298.7	57.5°	312.0	439.5	567.0	946.9	1326.9	1813.3	2299.7
288.0	60°	298.4	390.9	483.4	860.6	1237.8	1838.3	2438.7
269.3	62.5°	276.3	332.7	389.2	743.8	1098.4	1733.3	2368.2
250.8	65°	254.1	280.4	306.8	624.7	942.6	1584.7	2226.9
224.5	67.5°	222.6	230.1	237.6	508.0	778.3	1408.0	2037.6
192.7	70°	184.3	182.1	180.0	399.9	619.9	1215.1	1810.3
163.8	72.5°	151.8	145.3	138.8	305.8	472.7	1006.0	1539.3
133.0	75°	119.5	113.7	107.8	221.9	336.0	766.3	1196.5
104.1	77.5°	91.0	87.0	83.0	150.4	217.8	536.3	854.9
76.6	80°	65.5	63.9	62.2	96.9	131.6	345.5	559.5
53.2	82.5°	45.1	44.8	44.5	59.6	74.8	200.0	325.3
32.6	85°	26.6	26.7	26.9	31.9	36.8	90.0	143.1
13.9	87.5°	11.5	11.6	11.8	13.2	14.6	29.5	44.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)