

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: P945890

Luminaire Tested: **GALN-SB1C-950-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945890
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-SB1C-950-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5193 lumens
Efficiency: N/A
Efficacy: 95.5 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

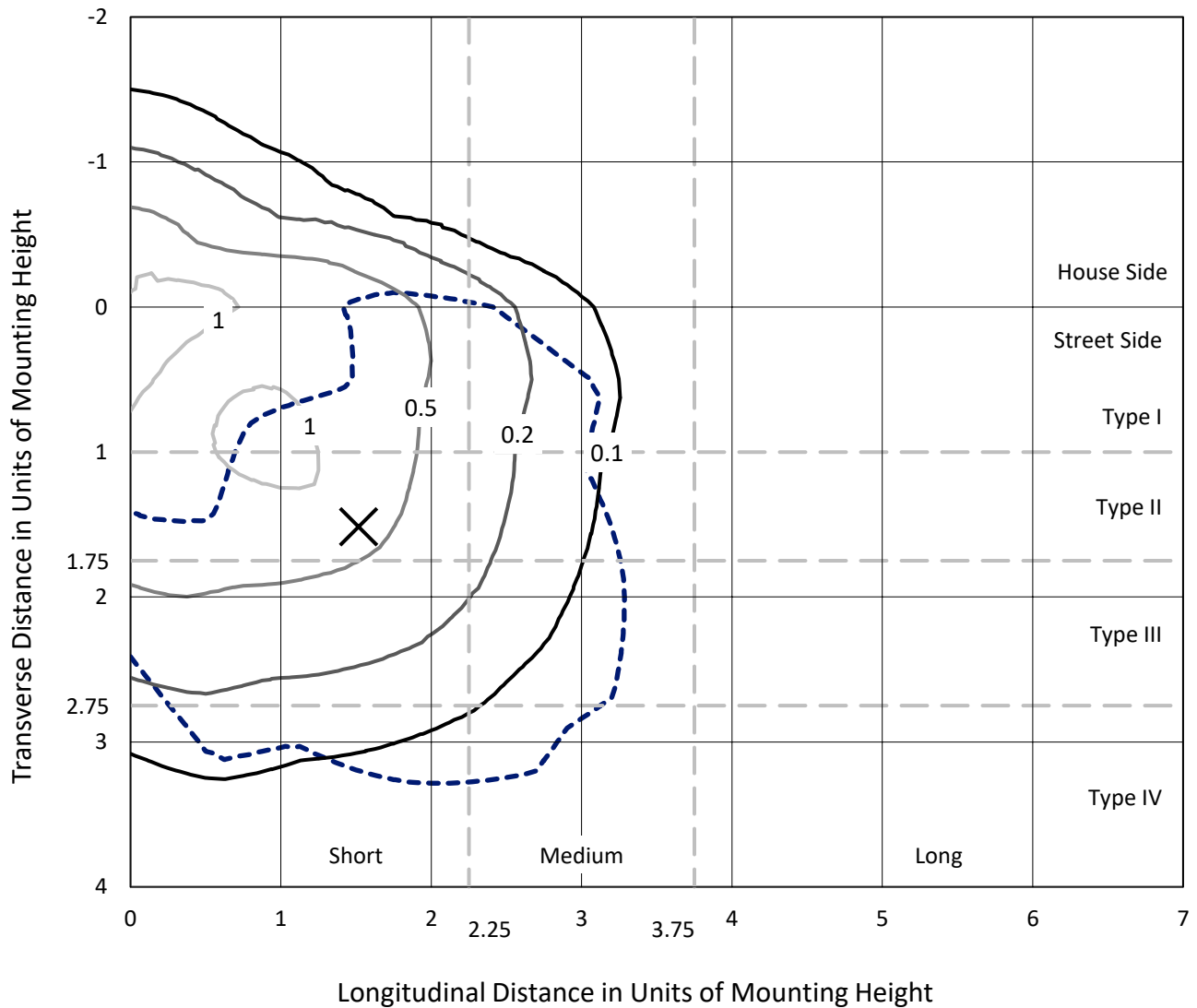
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

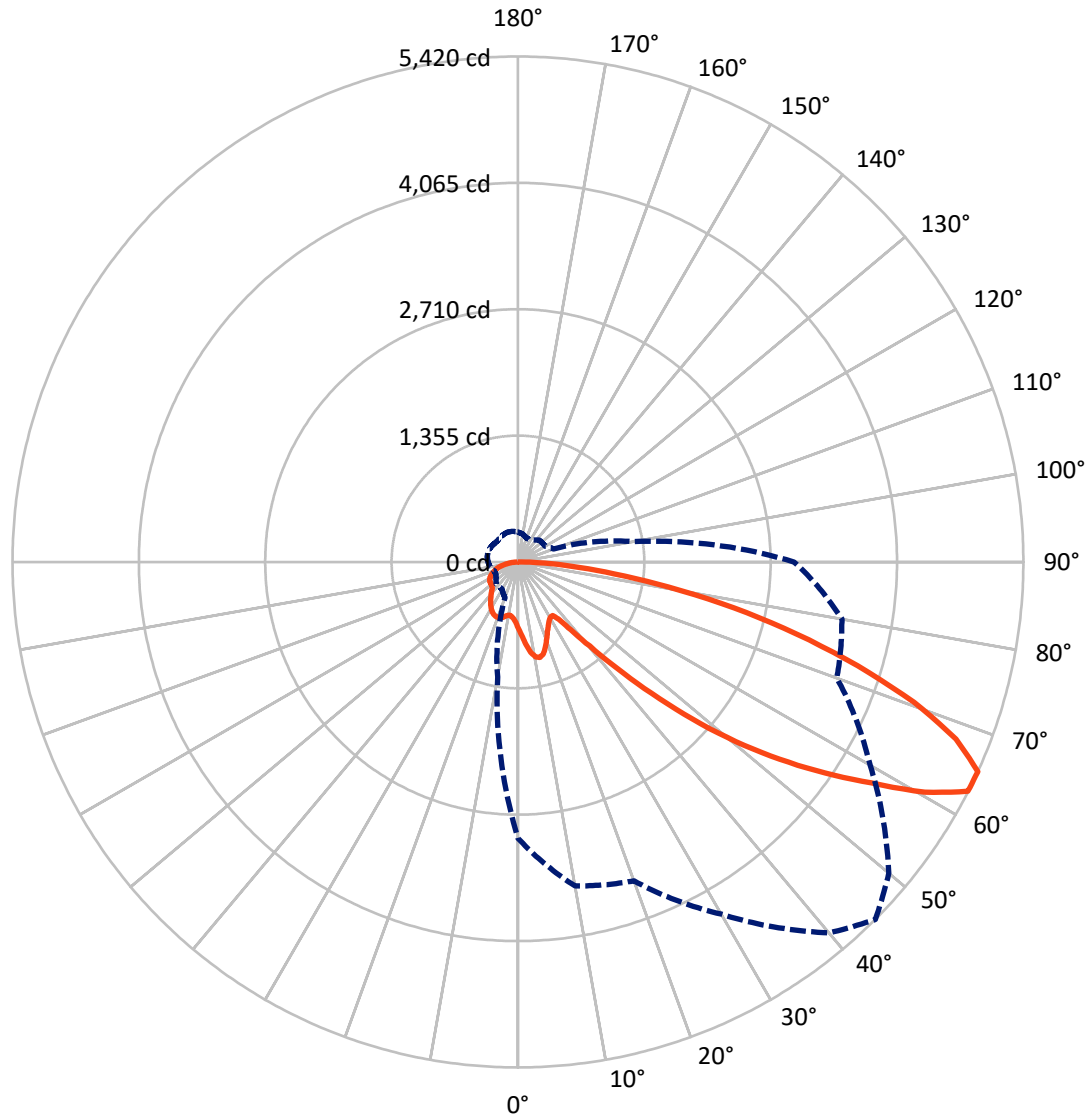
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	1319.8	0.0	1319.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	3873.2	0.0	3873.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	5193.0	0.0	5193.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.4
10°-20°	222.4	4.3
20°-30°	343.5	6.6
30°-40°	435.3	8.4
40°-50°	656.5	12.6
50°-60°	1060.7	20.4
60°-70°	1322.3	25.5
70°-80°	867.1	16.7
80°-90°	214.4	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°	5193.0	100.0
0°-180°	5193.0	100.0



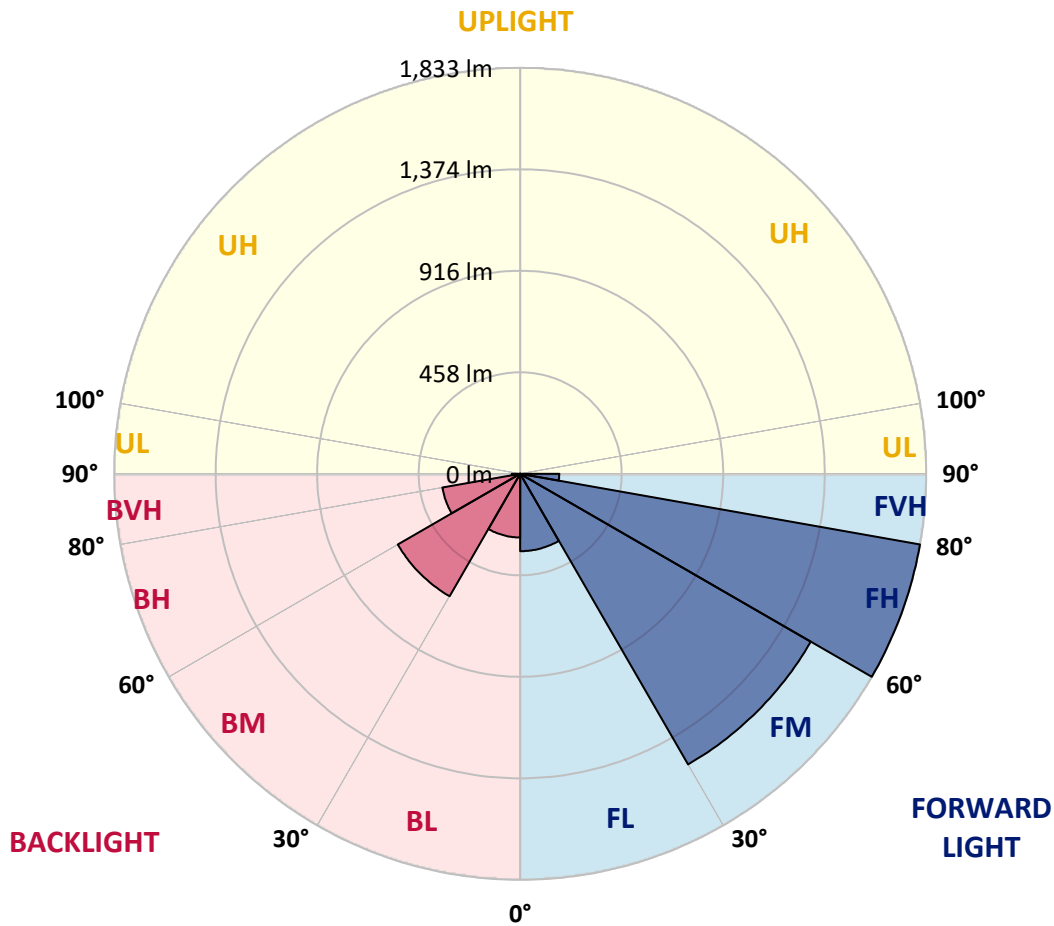
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.3	6.7			
FM (30°-60°)	1514.7	29.2			
FH (60°-80°)	1832.6	35.3			G2/5000
FVH (80°-90°)	176.6	3.4			G2/225
BL (0°-30°)	287.4	5.5	B1/500		
BM (30°-60°)	637.8	12.3	B1/1000		
BH (60°-80°)	356.8	6.9	B1/500		G1/500
BVH (80°-90°)	37.8	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°	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1
2.5°	767.9	770.8	773.8	777.9	782.0	784.5	787.0	788.2	789.4	788.9
5°	825.7	835.9	846.1	856.2	866.3	871.8	877.3	880.6	883.9	886.4
7.5°	883.8	900.4	916.9	931.8	946.7	955.6	964.6	969.4	974.3	976.6
10°	928.4	947.9	967.5	984.9	1002.4	1013.0	1023.5	1028.2	1032.9	1034.7
12.5°	955.6	976.8	998.0	1013.8	1029.5	1037.2	1044.9	1047.4	1050.0	1050.3
15°	972.2	990.5	1008.8	1018.7	1028.6	1028.9	1029.1	1026.4	1023.7	1020.4
17.5°	981.5	993.9	1006.2	1006.4	1006.6	995.5	984.4	974.2	964.0	956.9
20°	991.8	996.1	1000.4	987.4	974.4	949.9	925.4	907.6	889.7	878.8
22.5°	1003.7	998.1	992.4	965.5	938.5	902.5	866.4	844.1	821.8	809.7
25°	1019.1	1001.2	983.4	942.5	901.6	857.8	814.0	790.6	767.2	755.7
27.5°	1039.9	1008.0	976.2	921.9	867.7	819.2	770.7	747.7	724.6	713.8
30°	1068.0	1020.5	973.0	906.3	839.5	789.0	738.5	717.1	695.7	685.6
32.5°	1101.1	1036.1	971.1	895.6	820.1	772.6	725.1	708.3	691.5	684.2
35°	1141.4	1061.8	982.3	903.6	824.9	791.9	759.0	755.0	751.1	750.5
37.5°	1209.2	1115.6	1022.0	950.5	879.0	876.8	874.7	892.6	910.6	919.9
40°	1311.7	1209.9	1108.1	1054.9	1001.7	1039.3	1076.8	1120.4	1164.0	1185.7
42.5°	1447.6	1346.6	1245.6	1215.0	1184.3	1266.2	1348.1	1427.3	1506.6	1553.1
45°	1615.5	1524.7	1434.0	1420.5	1406.9	1538.1	1669.3	1799.5	1929.7	2008.8
47.5°	1825.3	1737.1	1648.8	1646.1	1643.3	1832.6	2021.7	2212.4	2403.0	2514.9
50°	2100.5	1991.4	1882.4	1882.9	1883.4	2127.2	2371.1	2622.7	2874.4	3026.5
52.5°	2416.3	2284.2	2152.2	2138.9	2125.5	2416.8	2708.1	3019.5	3330.8	3513.1
55°	2752.5	2622.0	2491.6	2439.6	2387.5	2711.8	3035.9	3407.1	3778.3	3995.1
57.5°	3058.3	2987.3	2916.2	2811.8	2707.5	3034.8	3362.2	3782.6	4203.0	4471.9
60°	3243.1	3353.4	3463.8	3334.2	3204.5	3514.3	3824.1	4274.2	4724.3	5015.0
62.5°	3149.3	3450.7	3752.1	3737.5	3722.9	4006.7	4290.5	4718.8	5147.0	5415.6
65°	2961.4	3244.3	3527.3	3583.2	3639.2	3999.8	4360.5	4775.8	5191.0	5419.7
67.5°	2709.7	2978.8	3247.9	3274.1	3300.4	3676.2	4051.9	4468.9	4886.0	5065.2
70°	2407.4	2700.0	2992.7	3004.5	3016.2	3352.3	3688.3	4047.2	4406.0	4505.6
72.5°	2047.0	2382.9	2718.8	2727.2	2735.6	2998.5	3261.5	3530.2	3799.0	3809.1
75°	1591.2	1938.8	2286.4	2317.6	2348.9	2553.4	2758.0	2947.2	3136.4	3085.7
77.5°	1136.9	1461.4	1785.9	1830.6	1875.2	2030.7	2186.2	2320.4	2454.6	2367.5
80°	744.1	1017.1	1290.1	1345.6	1401.1	1518.5	1635.9	1706.4	1776.8	1636.7
82.5°	432.5	619.2	805.8	867.8	929.9	1010.7	1091.5	1120.9	1150.3	1040.2
85°	190.3	289.4	388.4	441.2	493.9	560.3	626.7	643.4	660.1	571.9
87.5°	58.9	92.2	125.5	154.9	184.4	217.6	250.8	252.2	253.6	212.9
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°
714.1	0°	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1
789.4	2.5°	788.2	787.0	784.5	782.0	777.9	773.8	770.8	767.9	762.0	756.1
883.9	5°	880.6	877.3	871.8	866.3	856.2	846.1	835.9	825.7	812.7	799.7
974.3	7.5°	969.4	964.6	955.6	946.7	931.8	916.9	900.4	883.8	862.4	840.9
1032.9	10°	1028.2	1023.5	1013.0	1002.4	984.9	967.5	947.9	928.4	901.2	874.1
1050.0	12.5°	1047.4	1044.9	1037.2	1029.5	1013.8	998.0	976.8	955.6	925.8	896.0
1023.7	15°	1026.4	1029.1	1028.9	1028.6	1018.7	1008.8	990.5	972.2	941.1	910.0
964.0	17.5°	974.2	984.4	995.5	1006.6	1006.4	1006.2	993.9	981.5	950.0	918.4
889.7	20°	907.6	925.4	949.9	974.4	987.4	1000.4	996.1	991.8	959.0	926.2
821.8	22.5°	844.1	866.4	902.5	938.5	965.5	992.4	998.1	1003.7	970.2	936.7
767.2	25°	790.6	814.0	857.8	901.6	942.5	983.4	1001.2	1019.1	986.2	953.4
724.6	27.5°	747.7	770.7	819.2	867.7	921.9	976.2	1008.0	1039.9	1008.6	977.3
695.7	30°	717.1	738.5	789.0	839.5	906.3	973.0	1020.5	1068.0	1037.7	1007.5
691.5	32.5°	708.3	725.1	772.6	820.1	895.6	971.1	1036.1	1101.1	1071.2	1041.3
751.1	35°	755.0	759.0	791.9	824.9	903.6	982.3	1061.8	1141.4	1112.7	1084.1
910.6	37.5°	892.6	874.7	876.8	879.0	950.5	1022.0	1115.6	1209.2	1172.7	1136.1
1164.0	40°	1120.4	1076.8	1039.3	1001.7	1054.9	1108.1	1209.9	1311.7	1258.4	1205.2
1506.6	42.5°	1427.3	1348.1	1266.2	1184.3	1215.0	1245.6	1346.6	1447.6	1370.7	1293.8
1929.7	45°	1799.5	1669.3	1538.1	1406.9	1420.5	1434.0	1524.7	1615.5	1511.7	1408.0
2403.0	47.5°	2212.4	2021.7	1832.6	1643.3	1646.1	1648.8	1737.1	1825.3	1679.4	1533.4
2874.4	50°	2622.7	2371.1	2127.2	1883.4	1882.9	1882.4	1991.4	2100.5	1880.4	1660.3
3330.8	52.5°	3019.5	2708.1	2416.8	2125.5	2138.9	2152.2	2284.2	2416.3	2091.6	1766.8
3778.3	55°	3407.1	3035.9	2711.8	2387.5	2439.6	2491.6	2622.0	2752.5	2278.8	1805.1
4203.0	57.5°	3782.6	3362.2	3034.8	2707.5	2811.8	2916.2	2987.3	3058.3	2411.4	1764.6
4724.3	60°	4274.2	3824.1	3514.3	3204.5	3334.2	3463.8	3353.4	3243.1	2444.6	1646.1
5147.0	62.5°	4718.8	4290.5	4006.7	3722.9	3737.5	3752.1	3450.7	3149.3	2305.0	1460.7
5191.0	65°	4775.8	4360.5	3999.8	3639.2	3583.2	3527.3	3244.3	2961.4	2107.4	1253.5
4886.0	67.5°	4468.9	4051.9	3676.2	3300.4	3274.1	3247.9	2978.8	2709.7	1872.4	1035.0
4406.0	70°	4047.2	3688.3	3352.3	3016.2	3004.5	2992.7	2700.0	2407.4	1615.9	824.4
3799.0	72.5°	3530.2	3261.5	2998.5	2735.6	2727.2	2718.8	2382.9	2047.0	1337.8	628.6
3136.4	75°	2947.2	2758.0	2553.4	2348.9	2317.6	2286.4	1938.8	1591.2	1019.0	446.9
2454.6	77.5°	2320.4	2186.2	2030.7	1875.2	1830.6	1785.9	1461.4	1136.9	713.2	289.6
1776.8	80°	1706.4	1635.9	1518.5	1401.1	1345.6	1290.1	1017.1	744.1	459.5	175.0
1150.3	82.5°	1120.9	1091.5	1010.7	929.9	867.8	805.8	619.2	432.5	266.0	99.4
660.1	85°	643.4	626.7	560.3	493.9	441.2	388.4	289.4	190.3	119.6	49.0
253.6	87.5°	252.2	250.8	217.6	184.4	154.9	125.5	92.2	58.9	39.2	19.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
714.1	0°	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1
749.9	2.5°	743.6	737.3	731.0	725.0	719.0	713.1	706.6	701.4	696.1	691.4
786.7	5°	773.8	760.7	747.6	735.5	723.3	711.8	700.4	690.5	680.5	672.2
821.1	7.5°	801.2	781.9	762.6	745.6	728.6	712.8	698.1	684.9	671.7	660.8
847.8	10°	821.6	798.2	774.7	754.6	734.4	715.0	699.2	685.3	671.4	660.4
866.3	12.5°	836.6	808.9	781.2	758.4	735.7	715.3	700.6	689.2	677.9	670.6
877.8	15°	845.6	813.7	781.8	755.5	729.1	706.5	694.8	689.3	683.9	684.9
883.3	17.5°	848.1	811.1	774.1	742.4	710.7	684.2	677.0	679.0	680.9	692.9
887.6	20°	849.0	804.1	759.3	720.0	680.7	649.8	647.9	657.2	666.5	687.3
893.4	22.5°	850.0	795.5	741.0	693.7	646.3	611.2	614.9	628.7	642.5	666.2
903.9	25°	854.4	787.0	719.7	664.3	608.9	572.8	583.0	598.9	614.8	636.0
920.4	27.5°	863.4	781.4	699.3	637.4	575.5	542.7	555.0	570.4	585.7	603.2
941.7	30°	875.8	778.7	681.5	614.9	548.3	520.8	530.4	542.6	554.8	569.3
963.9	32.5°	886.5	775.4	664.3	595.5	526.8	504.6	508.9	516.1	523.3	534.9
989.2	35°	894.3	769.2	644.2	576.5	508.8	490.3	488.6	490.5	492.5	501.4
1017.6	37.5°	899.0	758.6	618.2	554.1	489.9	473.8	467.2	465.1	462.9	469.2
1053.6	40°	901.9	744.0	586.1	527.3	468.6	453.9	443.9	438.9	434.0	438.6
1100.7	42.5°	907.5	728.9	550.4	497.8	445.2	431.7	419.1	412.5	406.0	409.7
1162.6	45°	917.3	714.9	512.6	466.5	420.3	406.6	394.4	388.0	381.6	384.8
1228.7	47.5°	924.0	703.4	482.8	441.7	400.6	382.9	372.4	367.1	361.7	364.7
1290.0	50°	919.6	690.8	461.9	425.2	388.5	365.3	353.1	348.3	343.6	348.2
1329.7	52.5°	892.6	669.5	446.4	414.4	382.4	355.7	338.6	333.9	329.2	336.2
1321.0	55°	836.8	634.2	431.5	406.5	381.5	356.6	331.0	323.5	316.1	325.9
1259.3	57.5°	754.0	584.4	414.9	397.2	379.5	357.6	326.4	315.5	304.6	315.2
1144.4	60°	642.8	519.8	396.8	382.9	369.0	354.6	322.0	308.0	293.9	303.2
989.1	62.5°	517.6	442.5	367.4	358.2	349.0	347.2	317.0	299.4	281.8	287.7
830.7	65°	408.0	372.9	337.9	333.5	329.1	329.4	306.3	287.7	268.9	271.2
675.5	67.5°	316.0	306.0	296.1	298.5	300.9	300.3	287.4	271.8	256.3	255.5
531.9	70°	239.4	242.2	245.0	256.3	267.6	267.6	263.3	252.3	241.2	238.7
406.6	72.5°	184.6	193.2	201.8	217.8	233.8	236.5	236.5	228.9	221.3	217.7
295.1	75°	143.4	151.1	158.9	176.8	194.8	207.2	206.1	200.3	194.4	191.0
200.0	77.5°	110.4	115.7	121.0	138.4	155.8	176.2	175.6	171.0	166.3	162.8
128.8	80°	82.8	84.9	87.1	101.9	116.6	141.0	140.9	137.0	133.0	130.1
79.2	82.5°	59.1	59.5	60.0	70.8	81.7	102.5	103.6	101.7	99.8	97.7
42.4	85°	35.8	35.6	35.3	43.3	51.2	66.7	68.2	66.2	64.1	61.8
17.6	87.5°	15.7	15.5	15.3	18.5	21.8	28.2	30.1	29.3	28.5	28.1
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°
714.1	0°	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1
686.7	2.5°	682.5	678.4	674.2	670.1	666.9	663.7	661.1	658.5	656.4	654.4
663.9	5°	656.5	649.2	642.5	635.9	630.7	625.6	622.0	618.4	615.8	613.3
649.8	7.5°	640.6	631.3	623.2	615.0	608.9	602.8	598.6	594.3	591.4	588.4
649.5	10°	639.5	629.5	620.4	611.2	603.9	596.6	591.8	587.0	584.2	581.5
663.3	12.5°	655.5	647.7	638.2	628.7	619.4	610.1	603.9	597.8	594.7	591.6
685.9	15°	683.8	681.8	673.6	665.3	652.0	638.8	629.4	620.0	615.7	611.5
704.8	17.5°	711.2	717.5	710.8	704.2	686.7	669.1	655.3	641.5	635.1	628.7
708.1	20°	721.3	734.6	731.6	728.5	708.4	688.3	671.4	654.5	646.3	638.2
689.9	22.5°	707.2	724.5	726.4	728.2	709.0	689.8	672.4	654.9	646.4	637.8
657.4	25°	674.4	691.4	697.8	704.1	688.4	672.7	657.1	641.7	634.2	626.8
620.7	27.5°	634.3	648.0	655.1	662.2	650.9	639.8	627.7	615.7	610.7	605.7
583.9	30°	595.2	606.5	612.3	618.0	609.5	601.0	592.4	583.7	581.2	578.6
546.5	32.5°	557.4	568.3	574.6	581.0	573.2	565.3	558.5	551.6	549.9	548.2
510.2	35°	521.0	531.7	539.4	547.1	541.5	535.9	529.6	523.2	520.7	518.2
475.6	37.5°	486.3	497.0	506.5	516.0	513.4	510.8	505.0	499.1	494.5	489.9
443.1	40°	453.5	463.9	474.8	485.7	486.3	486.9	482.0	477.0	470.3	463.6
413.4	42.5°	423.2	433.1	444.9	456.6	459.8	462.9	458.8	454.6	446.2	437.9
387.9	45°	397.3	406.6	418.8	431.0	435.5	440.1	436.3	432.5	423.0	413.4
367.6	47.5°	376.7	385.8	397.9	409.9	415.1	420.3	417.7	415.1	406.6	398.1
352.8	50°	361.4	370.0	380.8	391.6	398.3	404.9	404.8	404.7	397.9	391.1
343.1	52.5°	351.0	358.8	368.9	379.0	386.9	394.8	396.2	397.7	392.1	386.6
335.7	55°	344.2	352.7	361.5	370.3	378.7	387.1	389.1	391.1	386.3	381.4
325.8	57.5°	335.8	345.8	354.5	363.2	371.7	380.1	382.1	384.1	379.2	374.4
312.4	60°	323.9	335.3	344.2	353.1	361.6	370.1	372.2	374.4	369.7	364.9
293.6	62.5°	307.0	320.3	329.8	339.2	347.0	354.8	356.9	359.0	354.7	350.4
273.5	65°	287.8	302.1	311.1	320.2	327.0	333.9	336.1	338.2	334.1	329.9
254.8	67.5°	268.0	281.3	289.9	298.4	304.3	310.2	312.3	314.4	310.6	306.8
236.3	70°	247.9	259.5	266.9	274.3	279.6	285.0	287.0	289.0	285.9	282.8
214.1	72.5°	223.3	232.4	239.1	245.8	251.0	256.3	258.7	261.1	258.5	255.9
187.5	75°	194.3	201.1	207.1	213.2	218.0	222.7	225.2	227.8	226.5	225.2
159.3	77.5°	164.8	170.3	175.5	180.7	185.7	190.7	193.1	195.4	193.7	191.9
127.1	80°	131.7	136.3	140.7	145.1	148.9	152.7	155.8	158.9	158.2	157.4
95.6	82.5°	95.2	94.9	93.3	91.8	99.9	108.0	113.3	118.6	118.3	118.0
59.5	85°	57.5	55.5	51.2	47.0	54.6	62.2	68.8	75.4	74.8	74.3
27.6	87.5°	27.5	27.5	24.2	21.0	24.1	27.3	30.0	32.7	32.0	31.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
714.1	0°	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1
652.5	2.5°	650.6	648.3	650.6	652.5	654.4	656.4	658.5	661.1	663.7	666.9
611.4	5°	609.4	607.5	609.4	611.4	613.3	615.8	618.4	622.0	625.6	630.7
586.7	7.5°	585.0	583.7	585.0	586.7	588.4	591.4	594.3	598.6	602.8	608.9
580.0	10°	578.5	577.9	578.5	580.0	581.5	584.2	587.0	591.8	596.6	603.9
590.3	12.5°	589.1	588.9	589.1	590.3	591.6	594.7	597.8	603.9	610.1	619.4
609.8	15°	608.2	608.0	608.2	609.8	611.5	615.7	620.0	629.4	638.8	652.0
626.6	17.5°	624.5	624.2	624.5	626.6	628.7	635.1	641.5	655.3	669.1	686.7
635.6	20°	633.0	632.2	633.0	635.6	638.2	646.3	654.5	671.4	688.3	708.4
634.9	22.5°	632.0	630.8	632.0	634.9	637.8	646.4	654.9	672.4	689.8	709.0
624.1	25°	621.4	619.8	621.4	624.1	626.8	634.2	641.7	657.1	672.7	688.4
604.5	27.5°	603.2	602.8	603.2	604.5	605.7	610.7	615.7	627.7	639.8	650.9
578.6	30°	578.6	579.0	578.6	578.6	578.6	581.2	583.7	592.4	601.0	609.5
548.5	32.5°	548.7	549.1	548.7	548.5	548.2	549.9	551.6	558.5	565.3	573.2
517.6	35°	517.1	516.8	517.1	517.6	518.2	520.7	523.2	529.6	535.9	541.5
487.4	37.5°	485.0	483.6	485.0	487.4	489.9	494.5	499.1	505.0	510.8	513.4
459.0	40°	454.5	451.9	454.5	459.0	463.6	470.3	477.0	482.0	486.9	486.3
431.3	42.5°	424.7	420.3	424.7	431.3	437.9	446.2	454.6	458.8	462.9	459.8
405.7	45°	397.9	392.9	397.9	405.7	413.4	423.0	432.5	436.3	440.1	435.5
390.9	47.5°	383.8	379.0	383.8	390.9	398.1	406.6	415.1	417.7	420.3	415.1
384.4	50°	377.8	373.2	377.8	384.4	391.1	397.9	404.7	404.8	404.9	398.3
380.6	52.5°	374.7	370.5	374.7	380.6	386.6	392.1	397.7	396.2	394.8	386.9
376.2	55°	371.0	367.2	371.0	376.2	381.4	386.3	391.1	389.1	387.1	378.7
369.2	57.5°	364.0	360.1	364.0	369.2	374.4	379.2	384.1	382.1	380.1	371.7
359.6	60°	354.3	350.2	354.3	359.6	364.9	369.7	374.4	372.2	370.1	361.6
344.8	62.5°	339.2	334.3	339.2	344.8	350.4	354.7	359.0	356.9	354.8	347.0
324.5	65°	319.1	314.8	319.1	324.5	329.9	334.1	338.2	336.1	333.9	327.0
301.8	67.5°	296.8	292.9	296.8	301.8	306.8	310.6	314.4	312.3	310.2	304.3
278.0	70°	273.2	268.8	273.2	278.0	282.8	285.9	289.0	287.0	285.0	279.6
251.3	72.5°	246.8	242.5	246.8	251.3	255.9	258.5	261.1	258.7	256.3	251.0
221.4	75°	217.5	213.5	217.5	221.4	225.2	226.5	227.8	225.2	222.7	218.0
188.0	77.5°	184.1	180.8	184.1	188.0	191.9	193.7	195.4	193.1	190.7	185.7
152.2	80°	146.9	140.8	146.9	152.2	157.4	158.2	158.9	155.8	152.7	148.9
113.6	82.5°	109.1	105.2	109.1	113.6	118.0	118.3	118.6	113.3	108.0	99.9
70.8	85°	67.4	63.8	67.4	70.8	74.3	74.8	75.4	68.8	62.2	54.6
29.5	87.5°	27.7	26.0	27.7	29.5	31.3	32.0	32.7	30.0	27.3	24.1
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
714.1	0°	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1
670.1	2.5°	674.2	678.4	682.5	686.7	691.4	696.1	701.4	706.6	713.1	719.0
635.9	5°	642.5	649.2	656.5	663.9	672.2	680.5	690.5	700.4	711.8	723.3
615.0	7.5°	623.2	631.3	640.6	649.8	660.8	671.7	684.9	698.1	712.8	728.6
611.2	10°	620.4	629.5	639.5	649.5	660.4	671.4	685.3	699.2	715.0	734.4
628.7	12.5°	638.2	647.7	655.5	663.3	670.6	677.9	689.2	700.6	715.3	735.7
665.3	15°	673.6	681.8	683.8	685.9	684.9	683.9	689.3	694.8	706.5	729.1
704.2	17.5°	710.8	717.5	711.2	704.8	692.9	680.9	679.0	677.0	684.2	710.7
728.5	20°	731.6	734.6	721.3	708.1	687.3	666.5	657.2	647.9	649.8	680.7
728.2	22.5°	726.4	724.5	707.2	689.9	666.2	642.5	628.7	614.9	611.2	646.3
704.1	25°	697.8	691.4	674.4	657.4	636.0	614.8	598.9	583.0	572.8	608.9
662.2	27.5°	655.1	648.0	634.3	620.7	603.2	585.7	570.4	555.0	542.7	575.5
618.0	30°	612.3	606.5	595.2	583.9	569.3	554.8	542.6	530.4	520.8	548.3
581.0	32.5°	574.6	568.3	557.4	546.5	534.9	523.3	516.1	508.9	504.6	526.8
547.1	35°	539.4	531.7	521.0	510.2	501.4	492.5	490.5	488.6	490.3	508.8
516.0	37.5°	506.5	497.0	486.3	475.6	469.2	462.9	465.1	467.2	473.8	489.9
485.7	40°	474.8	463.9	453.5	443.1	438.6	434.0	438.9	443.9	453.9	468.6
456.6	42.5°	444.9	433.1	423.2	413.4	409.7	406.0	412.5	419.1	431.7	445.2
431.0	45°	418.8	406.6	397.3	387.9	384.8	381.6	388.0	394.4	406.6	420.3
409.9	47.5°	397.9	385.8	376.7	367.6	364.7	361.7	367.1	372.4	382.9	400.6
391.6	50°	380.8	370.0	361.4	352.8	348.2	343.6	348.3	353.1	365.3	388.5
379.0	52.5°	368.9	358.8	351.0	343.1	336.2	329.2	333.9	338.6	355.7	382.4
370.3	55°	361.5	352.7	344.2	335.7	325.9	316.1	323.5	331.0	356.6	381.5
363.2	57.5°	354.5	345.8	335.8	325.8	315.2	304.6	315.5	326.4	357.6	379.5
353.1	60°	344.2	335.3	323.9	312.4	303.2	293.9	308.0	322.0	354.6	369.0
339.2	62.5°	329.8	320.3	307.0	293.6	287.7	281.8	299.4	317.0	347.2	349.0
320.2	65°	311.1	302.1	287.8	273.5	271.2	268.9	287.7	306.3	329.4	329.1
298.4	67.5°	289.9	281.3	268.0	254.8	255.5	256.3	271.8	287.4	300.3	300.9
274.3	70°	266.9	259.5	247.9	236.3	238.7	241.2	252.3	263.3	267.6	267.6
245.8	72.5°	239.1	232.4	223.3	214.1	217.7	221.3	228.9	236.5	236.5	233.8
213.2	75°	207.1	201.1	194.3	187.5	191.0	194.4	200.3	206.1	207.2	194.8
180.7	77.5°	175.5	170.3	164.8	159.3	162.8	166.3	171.0	175.6	176.2	155.8
145.1	80°	140.7	136.3	131.7	127.1	130.1	133.0	137.0	140.9	141.0	116.6
91.8	82.5°	93.3	94.9	95.2	95.6	97.7	99.8	101.7	103.6	102.5	81.7
47.0	85°	51.2	55.5	57.5	59.5	61.8	64.1	66.2	68.2	66.7	51.2
21.0	87.5°	24.2	27.5	27.5	27.6	28.1	28.5	29.3	30.1	28.2	21.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
714.1	0°	714.1	714.1	714.1	714.1	714.1	714.1	714.1
725.0	2.5°	731.0	737.3	743.6	749.9	756.1	762.0	767.9
735.5	5°	747.6	760.7	773.8	786.7	799.7	812.7	825.7
745.6	7.5°	762.6	781.9	801.2	821.1	840.9	862.4	883.8
754.6	10°	774.7	798.2	821.6	847.8	874.1	901.2	928.4
758.4	12.5°	781.2	808.9	836.6	866.3	896.0	925.8	955.6
755.5	15°	781.8	813.7	845.6	877.8	910.0	941.1	972.2
742.4	17.5°	774.1	811.1	848.1	883.3	918.4	950.0	981.5
720.0	20°	759.3	804.1	849.0	887.6	926.2	959.0	991.8
693.7	22.5°	741.0	795.5	850.0	893.4	936.7	970.2	1003.7
664.3	25°	719.7	787.0	854.4	903.9	953.4	986.2	1019.1
637.4	27.5°	699.3	781.4	863.4	920.4	977.3	1008.6	1039.9
614.9	30°	681.5	778.7	875.8	941.7	1007.5	1037.7	1068.0
595.5	32.5°	664.3	775.4	886.5	963.9	1041.3	1071.2	1101.1
576.5	35°	644.2	769.2	894.3	989.2	1084.1	1112.7	1141.4
554.1	37.5°	618.2	758.6	899.0	1017.6	1136.1	1172.7	1209.2
527.3	40°	586.1	744.0	901.9	1053.6	1205.2	1258.4	1311.7
497.8	42.5°	550.4	728.9	907.5	1100.7	1293.8	1370.7	1447.6
466.5	45°	512.6	714.9	917.3	1162.6	1408.0	1511.7	1615.5
441.7	47.5°	482.8	703.4	924.0	1228.7	1533.4	1679.4	1825.3
425.2	50°	461.9	690.8	919.6	1290.0	1660.3	1880.4	2100.5
414.4	52.5°	446.4	669.5	892.6	1329.7	1766.8	2091.6	2416.3
406.5	55°	431.5	634.2	836.8	1321.0	1805.1	2278.8	2752.5
397.2	57.5°	414.9	584.4	754.0	1259.3	1764.6	2411.4	3058.3
382.9	60°	396.8	519.8	642.8	1144.4	1646.1	2444.6	3243.1
358.2	62.5°	367.4	442.5	517.6	989.1	1460.7	2305.0	3149.3
333.5	65°	337.9	372.9	408.0	830.7	1253.5	2107.4	2961.4
298.5	67.5°	296.1	306.0	316.0	675.5	1035.0	1872.4	2709.7
256.3	70°	245.0	242.2	239.4	531.9	824.4	1615.9	2407.4
217.8	72.5°	201.8	193.2	184.6	406.6	628.6	1337.8	2047.0
176.8	75°	158.9	151.1	143.4	295.1	446.9	1019.0	1591.2
138.4	77.5°	121.0	115.7	110.4	200.0	289.6	713.2	1136.9
101.9	80°	87.1	84.9	82.8	128.8	175.0	459.5	744.1
70.8	82.5°	60.0	59.5	59.1	79.2	99.4	266.0	432.5
43.3	85°	35.3	35.6	35.8	42.4	49.0	119.6	190.3
18.5	87.5°	15.3	15.5	15.7	17.6	19.5	39.2	58.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)