

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: P946228

Luminaire Tested: **GALN-SB1D-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946228
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-SB1D-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7350 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

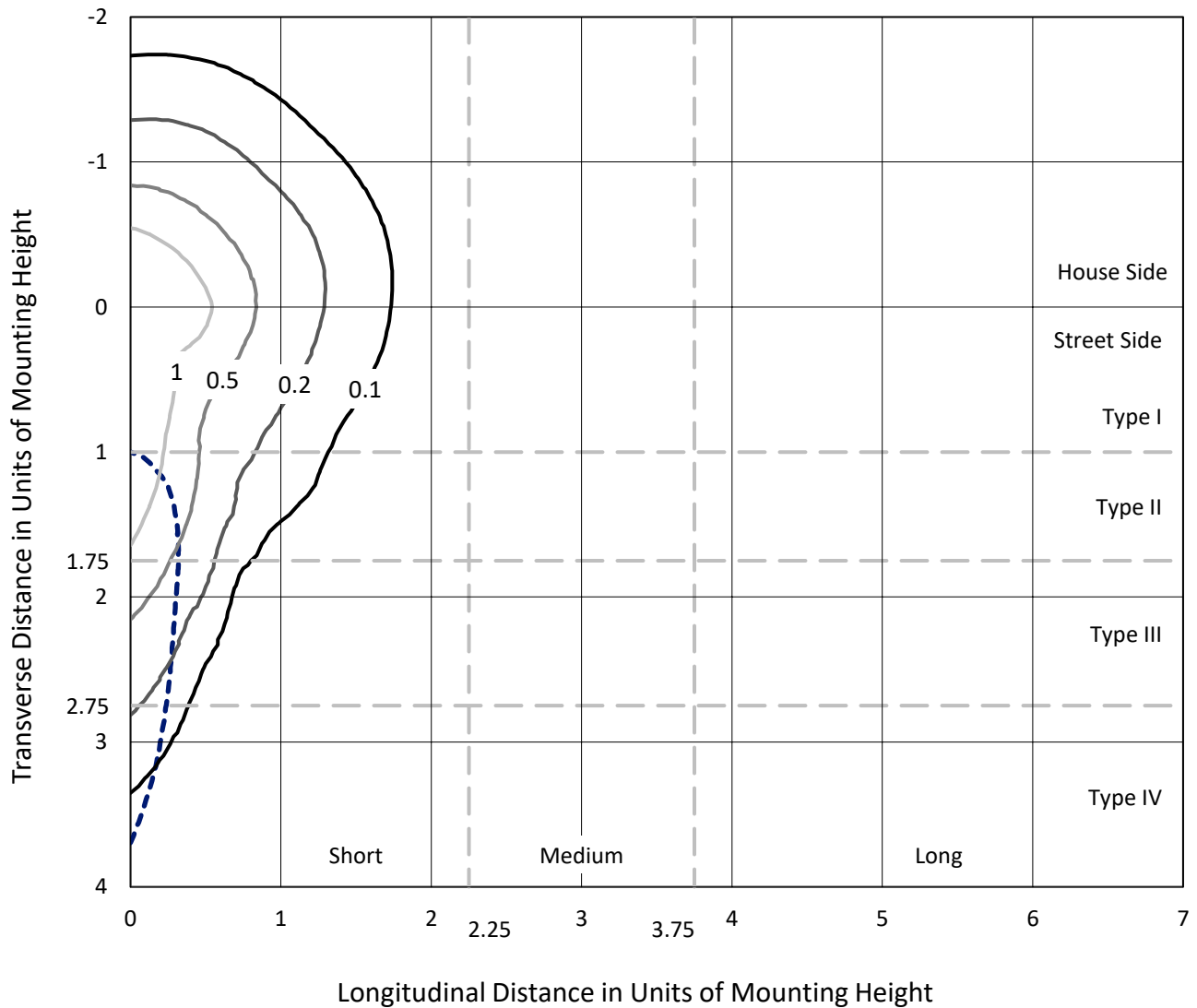
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

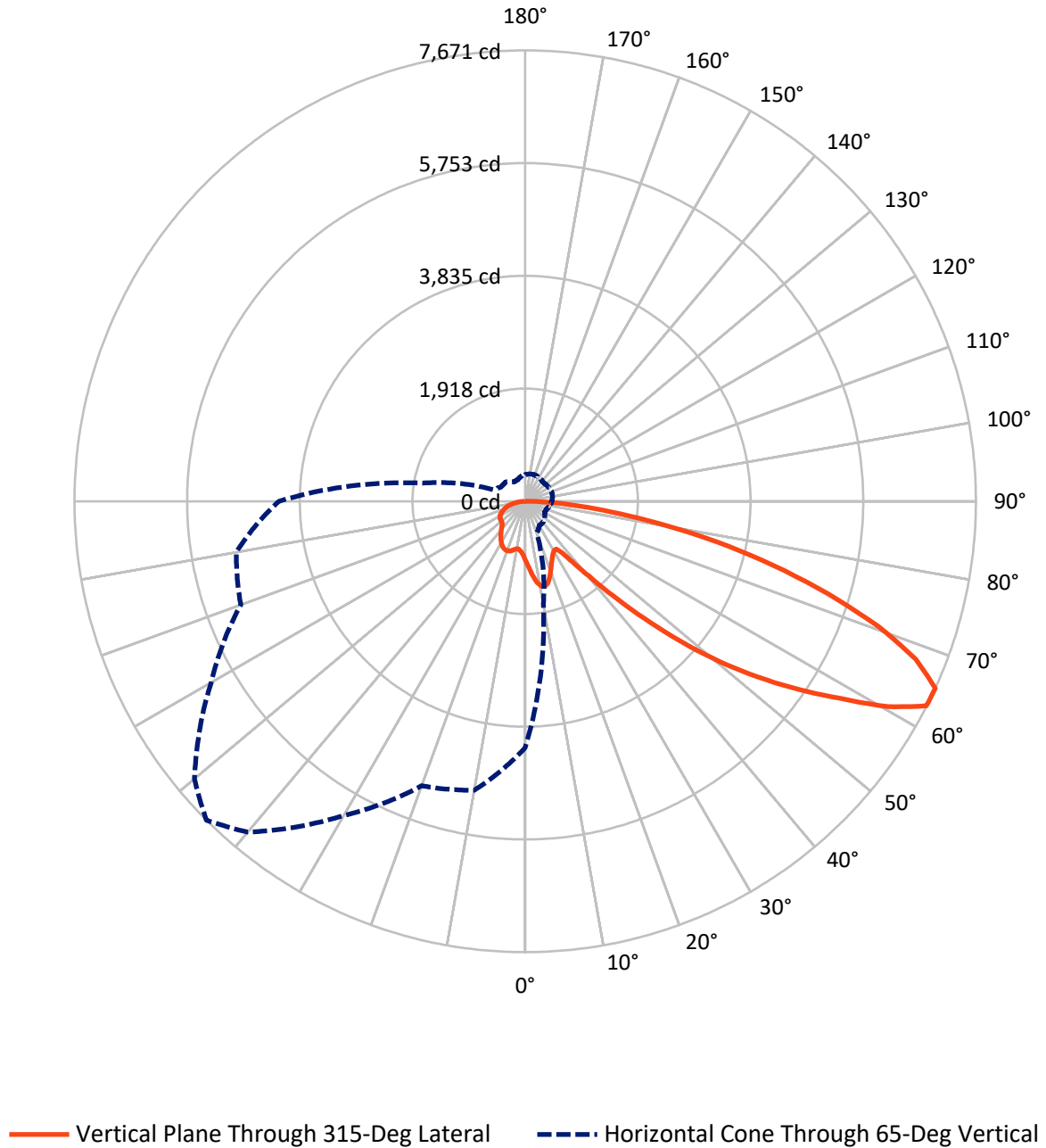
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1868.0	0.0	1868.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	5482.0	0.0	5482.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	7350.0	0.0	7350.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.4
10°-20°	314.7	4.3
20°-30°	486.2	6.6
30°-40°	616.1	8.4
40°-50°	929.2	12.6
50°-60°	1501.3	20.4
60°-70°	1871.6	25.5
70°-80°	1227.3	16.7
80°-90°	303.4	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°	7350.0	100.0
0°-180°	7350.0	100.0



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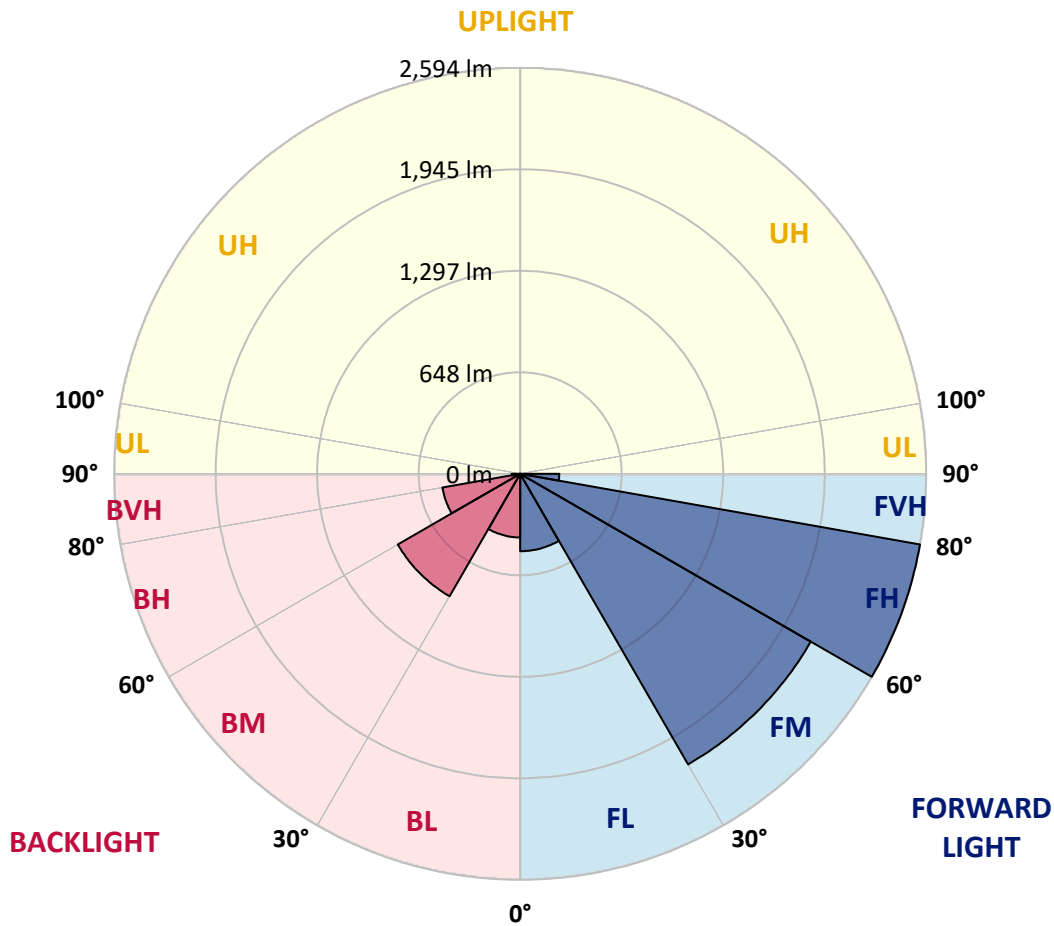
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.4	6.7			
FM (30°-60°)	2143.8	29.2			
FH (60°-80°)	2593.8	35.3			G2/5000
FVH (80°-90°)	249.9	3.4			G3/500
BL (0°-30°)	406.8	5.5	B1/500		
BM (30°-60°)	902.7	12.3	B1/1000		
BH (60°-80°)	505.0	6.9	B2/1000		G2/1000
BVH (80°-90°)	53.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7
2.5°	1086.9	1078.6	1070.2	1061.3	1052.5	1043.6	1034.7	1026.1	1017.6	1009.3
5°	1168.7	1150.3	1131.9	1113.5	1095.2	1076.7	1058.2	1040.9	1023.7	1007.4
7.5°	1250.9	1220.5	1190.2	1162.1	1134.0	1106.7	1079.3	1055.3	1031.2	1008.9
10°	1314.0	1275.5	1237.1	1200.0	1162.9	1129.7	1096.5	1068.0	1039.5	1012.0
12.5°	1352.6	1310.3	1268.1	1226.1	1184.0	1144.9	1105.7	1073.5	1041.2	1012.4
15°	1376.0	1332.0	1288.0	1242.4	1196.8	1151.7	1106.6	1069.3	1031.9	1000.0
17.5°	1389.2	1344.6	1299.9	1250.2	1200.4	1148.1	1095.7	1050.8	1006.0	968.4
20°	1403.8	1357.4	1310.9	1256.3	1201.6	1138.1	1074.7	1019.1	963.5	919.7
22.5°	1420.6	1373.2	1325.8	1264.5	1203.1	1126.0	1048.8	981.8	914.8	865.1
25°	1442.3	1395.9	1349.5	1279.4	1209.3	1113.9	1018.6	940.2	861.8	810.8
27.5°	1471.8	1427.5	1383.2	1302.6	1222.1	1105.9	989.7	902.1	814.5	768.1
30°	1511.6	1468.8	1426.0	1332.8	1239.6	1102.1	964.6	870.3	776.1	737.1
32.5°	1558.5	1516.1	1473.8	1364.2	1254.7	1097.5	940.2	842.9	745.6	714.2
35°	1615.5	1574.9	1534.3	1400.1	1265.8	1088.7	911.7	816.0	720.2	694.0
37.5°	1711.5	1659.8	1608.0	1440.2	1272.4	1073.7	875.0	784.2	693.4	670.6
40°	1856.5	1781.2	1705.8	1491.2	1276.5	1053.0	829.6	746.4	663.2	642.4
42.5°	2048.9	1940.1	1831.3	1557.8	1284.4	1031.7	779.1	704.6	630.1	611.0
45°	2286.5	2139.7	1992.9	1645.6	1298.3	1011.9	725.6	660.2	594.9	575.5
47.5°	2583.5	2376.9	2170.3	1739.0	1307.8	995.5	683.3	625.1	567.0	542.0
50°	2972.9	2661.5	2349.9	1825.8	1301.6	977.7	653.8	601.8	549.9	517.0
52.5°	3419.9	2960.3	2500.7	1882.1	1263.4	947.5	631.8	586.5	541.2	503.4
55°	3895.8	3225.3	2554.8	1869.7	1184.4	897.6	610.8	575.3	539.9	504.8
57.5°	4328.6	3413.1	2497.6	1782.3	1067.1	827.2	587.2	562.2	537.1	506.1
60°	4590.2	3460.0	2329.8	1619.8	909.8	735.7	561.7	542.0	522.3	501.9
62.5°	4457.3	3262.4	2067.5	1400.0	732.5	626.3	520.0	506.9	493.9	491.4
65°	4191.5	2982.8	1774.1	1175.7	577.4	527.8	478.2	472.0	465.9	466.2
67.5°	3835.3	2650.1	1464.9	956.1	447.2	433.2	419.1	422.5	425.9	425.1
70°	3407.3	2287.0	1166.8	752.8	338.8	342.8	346.8	362.8	378.7	378.7
72.5°	2897.3	1893.5	889.7	575.5	261.3	273.5	285.6	308.3	330.9	334.7
75°	2252.1	1442.3	632.5	417.7	202.9	213.9	224.9	250.3	275.7	293.2
77.5°	1609.1	1009.5	409.9	283.0	156.2	163.7	171.2	195.9	220.5	249.4
80°	1053.2	650.4	247.6	182.4	117.1	120.2	123.3	144.2	165.0	199.5
82.5°	612.2	376.4	140.7	112.2	83.7	84.2	84.9	100.2	115.6	145.0
85°	269.3	169.3	69.3	60.0	50.6	50.3	50.0	61.3	72.5	94.4
87.5°	83.4	55.5	27.5	24.9	22.2	21.9	21.6	26.2	30.8	39.9
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°
1010.7	0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7
1000.1	2.5°	992.7	985.3	978.6	971.9	966.0	960.2	954.3	948.4	943.9	939.3
991.3	5°	977.3	963.2	951.4	939.6	929.2	918.8	909.4	900.0	892.7	885.4
988.1	7.5°	969.4	950.8	935.3	919.7	906.7	893.6	882.0	870.5	861.8	853.2
989.7	10°	970.0	950.3	934.8	919.2	905.2	891.0	878.1	865.1	854.7	844.4
991.6	12.5°	975.5	959.4	949.1	938.9	927.8	916.8	903.3	889.9	876.7	863.5
983.3	15°	975.6	967.9	969.3	970.7	967.9	965.0	953.3	941.7	922.9	904.1
958.1	17.5°	961.0	963.8	980.7	997.6	1006.6	1015.5	1006.1	996.7	971.9	947.0
917.0	20°	930.2	943.4	972.8	1002.2	1021.0	1039.8	1035.4	1031.0	1002.6	974.2
870.4	22.5°	889.9	909.4	942.9	976.5	1001.0	1025.4	1028.1	1030.7	1003.5	976.4
825.1	25°	847.6	870.1	900.2	930.4	954.5	978.6	987.6	996.5	974.3	952.0
785.6	27.5°	807.3	829.0	853.8	878.5	897.8	917.1	927.1	937.2	921.3	905.5
750.8	30°	768.0	785.3	805.8	826.4	842.4	858.5	866.6	874.8	862.7	850.6
720.3	32.5°	730.5	740.7	757.1	773.5	788.9	804.3	813.3	822.4	811.3	800.2
691.5	35°	694.3	697.1	709.7	722.1	737.3	752.6	763.4	774.3	766.4	758.5
661.3	37.5°	658.2	655.1	664.1	673.1	688.2	703.4	716.9	730.3	726.6	723.0
628.3	40°	621.3	614.2	620.7	627.2	641.9	656.5	672.0	687.4	688.3	689.2
593.2	42.5°	583.9	574.6	579.8	585.2	599.0	613.0	629.6	646.3	650.8	655.2
558.3	45°	549.2	540.2	544.6	549.1	562.3	575.5	592.8	610.1	616.5	622.9
527.1	47.5°	519.5	511.9	516.1	520.3	533.2	546.1	563.1	580.2	587.6	594.9
499.7	50°	493.0	486.3	492.8	499.3	511.5	523.6	538.9	554.2	563.7	573.1
479.3	52.5°	472.6	466.0	475.8	485.6	496.7	507.9	522.1	536.4	547.6	558.8
468.4	55°	457.9	447.4	461.3	475.2	487.2	499.2	511.7	524.2	536.0	547.9
461.9	57.5°	446.5	431.2	446.2	461.1	475.2	489.4	501.7	514.1	526.1	538.0
455.8	60°	435.9	415.9	429.1	442.2	458.4	474.6	487.2	499.7	511.7	523.8
448.6	62.5°	423.7	398.9	407.2	415.6	434.4	453.4	466.8	480.1	491.1	502.2
433.6	65°	407.1	380.7	383.9	387.1	407.3	427.6	440.4	453.2	462.9	472.6
406.8	67.5°	384.7	362.7	361.7	360.7	379.4	398.1	410.2	422.3	430.7	439.1
372.7	70°	357.0	341.4	337.9	334.4	350.8	367.3	377.7	388.2	395.8	403.3
334.8	72.5°	324.0	313.3	308.2	303.1	316.0	329.0	338.4	347.9	355.3	362.7
291.7	75°	283.5	275.2	270.3	265.4	275.0	284.6	293.2	301.7	308.5	315.2
248.6	77.5°	242.0	235.3	230.4	225.4	233.2	241.0	248.4	255.8	262.9	269.9
199.4	80°	193.9	188.3	184.1	180.0	186.5	192.9	199.2	205.4	210.7	216.1
146.7	82.5°	144.0	141.2	138.3	135.4	134.8	134.3	132.1	129.9	141.4	152.9
96.6	85°	93.7	90.8	87.5	84.2	81.4	78.5	72.5	66.5	77.3	88.0
42.7	87.5°	41.5	40.3	39.7	39.1	39.0	38.9	34.3	29.7	34.2	38.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1010.7	0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7
935.6	2.5°	932.0	929.1	926.2	923.6	920.9	917.6	920.9	923.6	926.2	929.1
880.3	5°	875.3	871.7	868.0	865.3	862.5	859.8	862.5	865.3	868.0	871.7
847.2	7.5°	841.1	837.0	832.9	830.4	827.9	826.1	827.9	830.4	832.9	837.0
837.6	10°	830.8	826.9	823.0	820.9	818.8	817.9	818.8	820.9	823.0	826.9
854.8	12.5°	846.1	841.7	837.3	835.5	833.8	833.4	833.8	835.5	837.3	841.7
890.8	15°	877.6	871.5	865.4	863.1	860.8	860.6	860.8	863.1	865.4	871.5
927.5	17.5°	907.9	898.9	889.9	886.9	883.9	883.5	883.9	886.9	889.9	898.9
950.3	20°	926.3	914.8	903.3	899.6	895.9	894.7	895.9	899.6	903.3	914.8
951.7	22.5°	927.0	914.9	902.7	898.6	894.5	892.8	894.5	898.6	902.7	914.9
930.1	25°	908.2	897.7	887.2	883.3	879.5	877.3	879.5	883.3	887.2	897.7
888.5	27.5°	871.5	864.4	857.3	855.6	853.8	853.2	853.8	855.6	857.3	864.4
838.4	30°	826.2	822.6	818.9	818.9	818.9	819.5	818.9	818.9	818.9	822.6
790.4	32.5°	780.7	778.3	776.0	776.3	776.6	777.2	776.6	776.3	776.0	778.3
749.5	35°	740.6	737.0	733.4	732.6	731.8	731.4	731.8	732.6	733.4	737.0
714.7	37.5°	706.4	699.9	693.4	689.9	686.5	684.5	686.5	689.9	693.4	699.9
682.2	40°	675.1	665.6	656.1	649.7	643.3	639.5	643.3	649.7	656.1	665.6
649.3	42.5°	643.4	631.6	619.8	610.4	601.1	594.9	601.1	610.4	619.8	631.6
617.5	45°	612.2	598.7	585.2	574.2	563.2	556.2	563.2	574.2	585.2	598.7
591.2	47.5°	587.5	575.5	563.4	553.3	543.2	536.4	543.2	553.3	563.4	575.5
572.9	50°	572.7	563.1	553.5	544.1	534.7	528.2	534.7	544.1	553.5	563.1
560.8	52.5°	562.8	555.0	547.2	538.7	530.4	524.3	530.4	538.7	547.2	555.0
550.7	55°	553.5	546.7	539.9	532.5	525.1	519.7	525.1	532.5	539.9	546.7
540.8	57.5°	543.7	536.8	529.9	522.6	515.2	509.6	515.2	522.6	529.9	536.8
526.9	60°	530.0	523.2	516.5	509.0	501.5	495.6	501.5	509.0	516.5	523.2
505.2	62.5°	508.1	502.0	496.0	488.0	480.1	473.2	480.1	488.0	496.0	502.0
475.6	65°	478.7	472.8	466.9	459.3	451.6	445.6	451.6	459.3	466.9	472.8
442.1	67.5°	445.0	439.6	434.3	427.2	420.0	414.6	420.0	427.2	434.3	439.6
406.2	70°	409.1	404.7	400.3	393.5	386.7	380.5	386.7	393.5	400.3	404.7
366.1	72.5°	369.5	365.9	362.2	355.7	349.2	343.2	349.2	355.7	362.2	365.9
318.8	75°	322.4	320.6	318.8	313.3	307.9	302.1	307.9	313.3	318.8	320.6
273.3	77.5°	276.6	274.1	271.6	266.1	260.5	256.0	260.5	266.1	271.6	274.1
220.5	80°	224.9	223.9	222.8	215.4	208.0	199.3	208.0	215.4	222.8	223.9
160.4	82.5°	167.9	167.5	167.0	160.7	154.4	148.9	154.4	160.7	167.0	167.5
97.3	85°	106.7	105.9	105.1	100.2	95.3	90.4	95.3	100.2	105.1	105.9
42.5	87.5°	46.2	45.3	44.3	41.8	39.2	36.8	39.2	41.8	44.3	45.3
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1010.7	0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7
932.0	2.5°	935.6	939.3	943.9	948.4	954.3	960.2	966.0	971.9	978.6	985.3
875.3	5°	880.3	885.4	892.7	900.0	909.4	918.8	929.2	939.6	951.4	963.2
841.1	7.5°	847.2	853.2	861.8	870.5	882.0	893.6	906.7	919.7	935.3	950.8
830.8	10°	837.6	844.4	854.7	865.1	878.1	891.0	905.2	919.2	934.8	950.3
846.1	12.5°	854.8	863.5	876.7	889.9	903.3	916.8	927.8	938.9	949.1	959.4
877.6	15°	890.8	904.1	922.9	941.7	953.3	965.0	967.9	970.7	969.3	967.9
907.9	17.5°	927.5	947.0	971.9	996.7	1006.1	1015.5	1006.6	997.6	980.7	963.8
926.3	20°	950.3	974.2	1002.6	1031.0	1035.4	1039.8	1021.0	1002.2	972.8	943.4
927.0	22.5°	951.7	976.4	1003.5	1030.7	1028.1	1025.4	1001.0	976.5	942.9	909.4
908.2	25°	930.1	952.0	974.3	996.5	987.6	978.6	954.5	930.4	900.2	870.1
871.5	27.5°	888.5	905.5	921.3	937.2	927.1	917.1	897.8	878.5	853.8	829.0
826.2	30°	838.4	850.6	862.7	874.8	866.6	858.5	842.4	826.4	805.8	785.3
780.7	32.5°	790.4	800.2	811.3	822.4	813.3	804.3	788.9	773.5	757.1	740.7
740.6	35°	749.5	758.5	766.4	774.3	763.4	752.6	737.3	722.1	709.7	697.1
706.4	37.5°	714.7	723.0	726.6	730.3	716.9	703.4	688.2	673.1	664.1	655.1
675.1	40°	682.2	689.2	688.3	687.4	672.0	656.5	641.9	627.2	620.7	614.2
643.4	42.5°	649.3	655.2	650.8	646.3	629.6	613.0	599.0	585.2	579.8	574.6
612.2	45°	617.5	622.9	616.5	610.1	592.8	575.5	562.3	549.1	544.6	540.2
587.5	47.5°	591.2	594.9	587.6	580.2	563.1	546.1	533.2	520.3	516.1	511.9
572.7	50°	572.9	573.1	563.7	554.2	538.9	523.6	511.5	499.3	492.8	486.3
562.8	52.5°	560.8	558.8	547.6	536.4	522.1	507.9	496.7	485.6	475.8	466.0
553.5	55°	550.7	547.9	536.0	524.2	511.7	499.2	487.2	475.2	461.3	447.4
543.7	57.5°	540.8	538.0	526.1	514.1	501.7	489.4	475.2	461.1	446.2	431.2
530.0	60°	526.9	523.8	511.7	499.7	487.2	474.6	458.4	442.2	429.1	415.9
508.1	62.5°	505.2	502.2	491.1	480.1	466.8	453.4	434.4	415.6	407.2	398.9
478.7	65°	475.6	472.6	462.9	453.2	440.4	427.6	407.3	387.1	383.9	380.7
445.0	67.5°	442.1	439.1	430.7	422.3	410.2	398.1	379.4	360.7	361.7	362.7
409.1	70°	406.2	403.3	395.8	388.2	377.7	367.3	350.8	334.4	337.9	341.4
369.5	72.5°	366.1	362.7	355.3	347.9	338.4	329.0	316.0	303.1	308.2	313.3
322.4	75°	318.8	315.2	308.5	301.7	293.2	284.6	275.0	265.4	270.3	275.2
276.6	77.5°	273.3	269.9	262.9	255.8	248.4	241.0	233.2	225.4	230.4	235.3
224.9	80°	220.5	216.1	210.7	205.4	199.2	192.9	186.5	180.0	184.1	188.3
167.9	82.5°	160.4	152.9	141.4	129.9	132.1	134.3	134.8	135.4	138.3	141.2
106.7	85°	97.3	88.0	77.3	66.5	72.5	78.5	81.4	84.2	87.5	90.8
46.2	87.5°	42.5	38.7	34.2	29.7	34.3	38.9	39.0	39.1	39.7	40.3
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°
1010.7	0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7
992.7	2.5°	1000.1	1009.3	1017.6	1026.1	1034.7	1043.6	1052.5	1061.3	1070.2	1078.6
977.3	5°	991.3	1007.4	1023.7	1040.9	1058.2	1076.7	1095.2	1113.5	1131.9	1150.3
969.4	7.5°	988.1	1008.9	1031.2	1055.3	1079.3	1106.7	1134.0	1162.1	1190.2	1220.5
970.0	10°	989.7	1012.0	1039.5	1068.0	1096.5	1129.7	1162.9	1200.0	1237.1	1275.5
975.5	12.5°	991.6	1012.4	1041.2	1073.5	1105.7	1144.9	1184.0	1226.1	1268.1	1310.3
975.6	15°	983.3	1000.0	1031.9	1069.3	1106.6	1151.7	1196.8	1242.4	1288.0	1332.0
961.0	17.5°	958.1	968.4	1006.0	1050.8	1095.7	1148.1	1200.4	1250.2	1299.9	1344.6
930.2	20°	917.0	919.7	963.5	1019.1	1074.7	1138.1	1201.6	1256.3	1310.9	1357.4
889.9	22.5°	870.4	865.1	914.8	981.8	1048.8	1126.0	1203.1	1264.5	1325.8	1373.2
847.6	25°	825.1	810.8	861.8	940.2	1018.6	1113.9	1209.3	1279.4	1349.5	1395.9
807.3	27.5°	785.6	768.1	814.5	902.1	989.7	1105.9	1222.1	1302.6	1383.2	1427.5
768.0	30°	750.8	737.1	776.1	870.3	964.6	1102.1	1239.6	1332.8	1426.0	1468.8
730.5	32.5°	720.3	714.2	745.6	842.9	940.2	1097.5	1254.7	1364.2	1473.8	1516.1
694.3	35°	691.5	694.0	720.2	816.0	911.7	1088.7	1265.8	1400.1	1534.3	1574.9
658.2	37.5°	661.3	670.6	693.4	784.2	875.0	1073.7	1272.4	1440.2	1608.0	1659.8
621.3	40°	628.3	642.4	663.2	746.4	829.6	1053.0	1276.5	1491.2	1705.8	1781.2
583.9	42.5°	593.2	611.0	630.1	704.6	779.1	1031.7	1284.4	1557.8	1831.3	1940.1
549.2	45°	558.3	575.5	594.9	660.2	725.6	1011.9	1298.3	1645.6	1992.9	2139.7
519.5	47.5°	527.1	542.0	567.0	625.1	683.3	995.5	1307.8	1739.0	2170.3	2376.9
493.0	50°	499.7	517.0	549.9	601.8	653.8	977.7	1301.6	1825.8	2349.9	2661.5
472.6	52.5°	479.3	503.4	541.2	586.5	631.8	947.5	1263.4	1882.1	2500.7	2960.3
457.9	55°	468.4	504.8	539.9	575.3	610.8	897.6	1184.4	1869.7	2554.8	3225.3
446.5	57.5°	461.9	506.1	537.1	562.2	587.2	827.2	1067.1	1782.3	2497.6	3413.1
435.9	60°	455.8	501.9	522.3	542.0	561.7	735.7	909.8	1619.8	2329.8	3460.0
423.7	62.5°	448.6	491.4	493.9	506.9	520.0	626.3	732.5	1400.0	2067.5	3262.4
407.1	65°	433.6	466.2	465.9	472.0	478.2	527.8	577.4	1175.7	1774.1	2982.8
384.7	67.5°	406.8	425.1	425.9	422.5	419.1	433.2	447.2	956.1	1464.9	2650.1
357.0	70°	372.7	378.7	378.7	362.8	346.8	342.8	338.8	752.8	1166.8	2287.0
324.0	72.5°	334.8	334.7	330.9	308.3	285.6	273.5	261.3	575.5	889.7	1893.5
283.5	75°	291.7	293.2	275.7	250.3	224.9	213.9	202.9	417.7	632.5	1442.3
242.0	77.5°	248.6	249.4	220.5	195.9	171.2	163.7	156.2	283.0	409.9	1009.5
193.9	80°	199.4	199.5	165.0	144.2	123.3	120.2	117.1	182.4	247.6	650.4
144.0	82.5°	146.7	145.0	115.6	100.2	84.9	84.2	83.7	112.2	140.7	376.4
93.7	85°	96.6	94.4	72.5	61.3	50.0	50.3	50.6	60.0	69.3	169.3
41.5	87.5°	42.7	39.9	30.8	26.2	21.6	21.9	22.2	24.9	27.5	55.5
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1010.7	0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7
1086.9	2.5°	1091.0	1095.2	1101.0	1106.9	1110.4	1113.9	1115.6	1117.3	1116.6	1117.3
1168.7	5°	1183.1	1197.5	1211.8	1226.1	1233.9	1241.6	1246.3	1251.1	1254.6	1251.1
1250.9	7.5°	1274.4	1297.8	1318.8	1339.9	1352.6	1365.2	1372.1	1378.9	1382.2	1378.9
1314.0	10°	1341.7	1369.4	1394.1	1418.8	1433.7	1448.6	1455.3	1461.9	1464.5	1461.9
1352.6	12.5°	1382.6	1412.6	1434.9	1457.2	1468.0	1478.9	1482.5	1486.2	1486.6	1486.2
1376.0	15°	1401.9	1427.8	1441.8	1455.8	1456.2	1456.6	1452.7	1448.9	1444.3	1448.9
1389.2	17.5°	1406.7	1424.2	1424.5	1424.7	1409.0	1393.3	1378.9	1364.5	1354.3	1364.5
1403.8	20°	1409.8	1416.0	1397.5	1379.1	1344.5	1309.8	1284.5	1259.3	1243.8	1259.3
1420.6	22.5°	1412.6	1404.6	1366.5	1328.3	1277.3	1226.3	1194.8	1163.2	1146.0	1163.2
1442.3	25°	1417.1	1391.9	1334.0	1276.0	1214.1	1152.2	1119.0	1085.9	1069.6	1085.9
1471.8	27.5°	1426.8	1381.6	1304.9	1228.2	1159.5	1090.9	1058.2	1025.6	1010.3	1025.6
1511.6	30°	1444.4	1377.2	1282.7	1188.2	1116.7	1045.2	1014.9	984.6	970.4	984.6
1558.5	32.5°	1466.5	1374.5	1267.6	1160.7	1093.5	1026.3	1002.5	978.7	968.4	978.7
1615.5	35°	1502.9	1390.3	1278.9	1167.6	1120.9	1074.2	1068.7	1063.1	1062.3	1063.1
1711.5	37.5°	1579.0	1446.5	1345.3	1244.1	1241.1	1238.0	1263.4	1288.8	1301.9	1288.8
1856.5	40°	1712.5	1568.4	1493.1	1417.8	1471.0	1524.1	1585.8	1647.4	1678.1	1647.4
2048.9	42.5°	1906.0	1763.0	1719.6	1676.3	1792.2	1908.1	2020.2	2132.4	2198.2	2132.4
2286.5	45°	2158.0	2029.6	2010.5	1991.3	2177.0	2362.7	2547.0	2731.3	2843.2	2731.3
2583.5	47.5°	2458.6	2333.7	2329.8	2325.9	2593.7	2861.5	3131.3	3401.1	3559.5	3401.1
2972.9	50°	2818.6	2664.3	2665.0	2665.6	3010.8	3356.0	3712.1	4068.3	4283.6	4068.3
3419.9	52.5°	3233.0	3046.2	3027.3	3008.4	3420.7	3833.0	4273.7	4714.3	4972.4	4714.3
3895.8	55°	3711.2	3526.5	3452.9	3379.3	3838.1	4297.0	4822.3	5347.6	5654.6	5347.6
4328.6	57.5°	4228.1	4127.5	3979.8	3832.1	4295.4	4758.8	5353.8	5948.8	6329.4	5948.8
4590.2	60°	4746.3	4902.5	4719.1	4535.6	4974.1	5412.6	6049.6	6686.7	7098.1	6686.7
4457.3	62.5°	4884.0	5310.7	5290.0	5269.3	5670.9	6072.7	6678.8	7284.8	7665.1	7284.8
4191.5	65°	4591.9	4992.4	5071.6	5150.8	5661.3	6171.8	6759.5	7347.2	7670.9	7347.2
3835.3	67.5°	4216.1	4597.0	4634.1	4671.2	5203.1	5734.9	6325.2	6915.4	7169.1	6915.4
3407.3	70°	3821.5	4235.8	4252.4	4269.1	4744.7	5220.3	5728.2	6236.1	6377.1	6236.1
2897.3	72.5°	3372.7	3848.1	3860.0	3871.9	4244.0	4616.2	4996.6	5377.0	5391.2	5377.0
2252.1	75°	2744.1	3236.1	3280.3	3324.5	3614.0	3903.5	4171.3	4439.1	4367.4	4439.1
1609.1	77.5°	2068.4	2527.7	2590.9	2654.1	2874.2	3094.3	3284.2	3474.2	3350.9	3474.2
1053.2	80°	1439.6	1825.9	1904.5	1983.1	2149.3	2315.4	2415.2	2514.9	2316.5	2514.9
612.2	82.5°	876.3	1140.5	1228.3	1316.1	1430.5	1544.9	1586.5	1628.1	1472.2	1628.1
269.3	85°	409.5	549.8	624.4	699.1	793.1	887.0	910.7	934.3	809.4	934.3
83.4	87.5°	130.5	177.6	219.3	260.9	307.9	354.9	357.0	358.9	301.3	358.9
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°
1010.7	0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7
1115.6	2.5°	1113.9	1110.4	1106.9	1101.0	1095.2	1091.0	1086.9
1246.3	5°	1241.6	1233.9	1226.1	1211.8	1197.5	1183.1	1168.7
1372.1	7.5°	1365.2	1352.6	1339.9	1318.8	1297.8	1274.4	1250.9
1455.3	10°	1448.6	1433.7	1418.8	1394.1	1369.4	1341.7	1314.0
1482.5	12.5°	1478.9	1468.0	1457.2	1434.9	1412.6	1382.6	1352.6
1452.7	15°	1456.6	1456.2	1455.8	1441.8	1427.8	1401.9	1376.0
1378.9	17.5°	1393.3	1409.0	1424.7	1424.5	1424.2	1406.7	1389.2
1284.5	20°	1309.8	1344.5	1379.1	1397.5	1416.0	1409.8	1403.8
1194.8	22.5°	1226.3	1277.3	1328.3	1366.5	1404.6	1412.6	1420.6
1119.0	25°	1152.2	1214.1	1276.0	1334.0	1391.9	1417.1	1442.3
1058.2	27.5°	1090.9	1159.5	1228.2	1304.9	1381.6	1426.8	1471.8
1014.9	30°	1045.2	1116.7	1188.2	1282.7	1377.2	1444.4	1511.6
1002.5	32.5°	1026.3	1093.5	1160.7	1267.6	1374.5	1466.5	1558.5
1068.7	35°	1074.2	1120.9	1167.6	1278.9	1390.3	1502.9	1615.5
1263.4	37.5°	1238.0	1241.1	1244.1	1345.3	1446.5	1579.0	1711.5
1585.8	40°	1524.1	1471.0	1417.8	1493.1	1568.4	1712.5	1856.5
2020.2	42.5°	1908.1	1792.2	1676.3	1719.6	1763.0	1906.0	2048.9
2547.0	45°	2362.7	2177.0	1991.3	2010.5	2029.6	2158.0	2286.5
3131.3	47.5°	2861.5	2593.7	2325.9	2329.8	2333.7	2458.6	2583.5
3712.1	50°	3356.0	3010.8	2665.6	2665.0	2664.3	2818.6	2972.9
4273.7	52.5°	3833.0	3420.7	3008.4	3027.3	3046.2	3233.0	3419.9
4822.3	55°	4297.0	3838.1	3379.3	3452.9	3526.5	3711.2	3895.8
5353.8	57.5°	4758.8	4295.4	3832.1	3979.8	4127.5	4228.1	4328.6
6049.6	60°	5412.6	4974.1	4535.6	4719.1	4902.5	4746.3	4590.2
6678.8	62.5°	6072.7	5670.9	5269.3	5290.0	5310.7	4884.0	4457.3
6759.5	65°	6171.8	5661.3	5150.8	5071.6	4992.4	4591.9	4191.5
6325.2	67.5°	5734.9	5203.1	4671.2	4634.1	4597.0	4216.1	3835.3
5728.2	70°	5220.3	4744.7	4269.1	4252.4	4235.8	3821.5	3407.3
4996.6	72.5°	4616.2	4244.0	3871.9	3860.0	3848.1	3372.7	2897.3
4171.3	75°	3903.5	3614.0	3324.5	3280.3	3236.1	2744.1	2252.1
3284.2	77.5°	3094.3	2874.2	2654.1	2590.9	2527.7	2068.4	1609.1
2415.2	80°	2315.4	2149.3	1983.1	1904.5	1825.9	1439.6	1053.2
1586.5	82.5°	1544.9	1430.5	1316.1	1228.3	1140.5	876.3	612.2
910.7	85°	887.0	793.1	699.1	624.4	549.8	409.5	269.3
357.0	87.5°	354.9	307.9	260.9	219.3	177.6	130.5	83.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)