

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: P453772

Luminaire Tested: **GALN-SA4D-750-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA4D-750-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26379 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 245
Input Voltage (V): NR
Input Current (A_{in}): 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

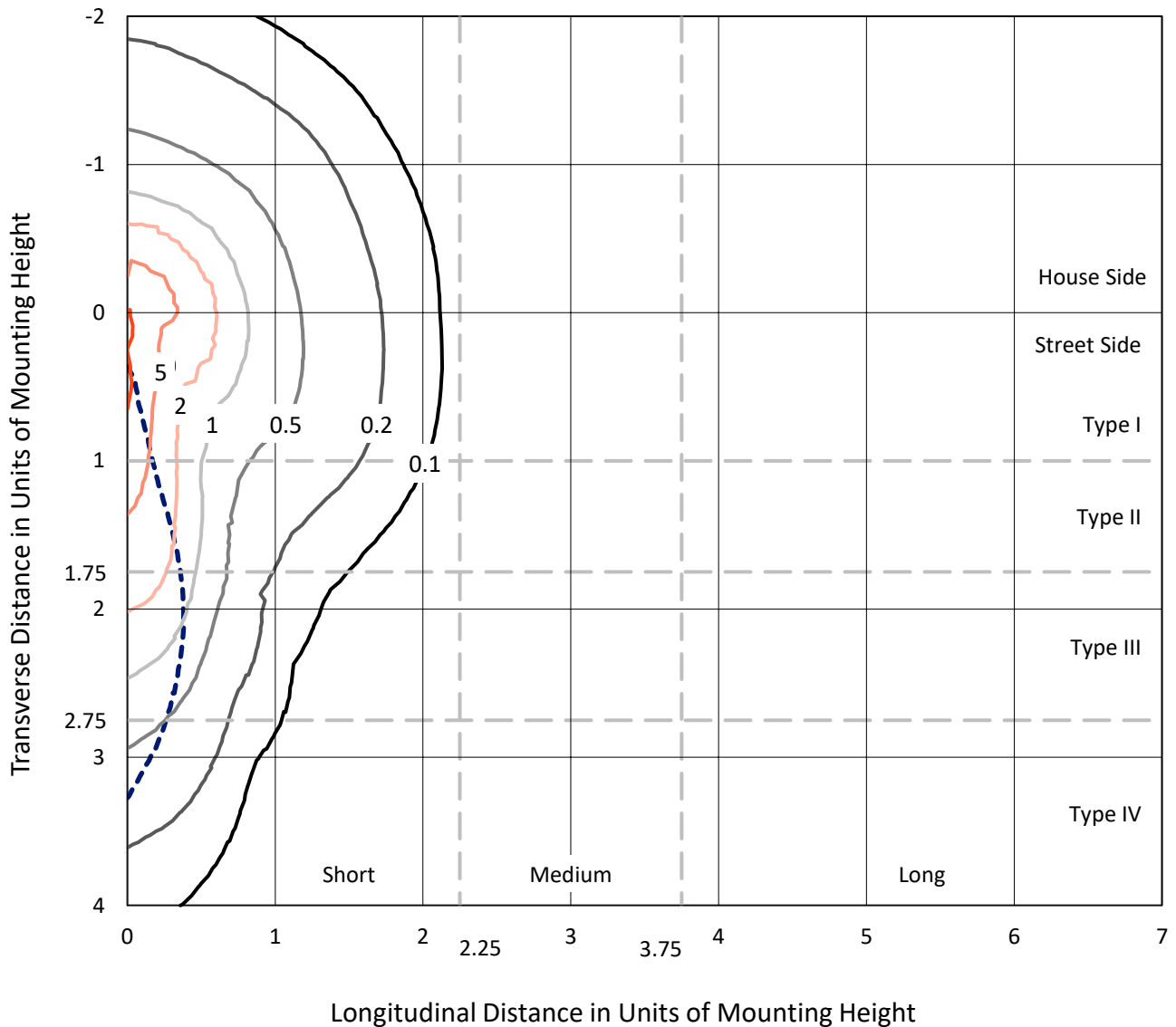




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Iso-Footcandle Lines of Horizontal Illumination

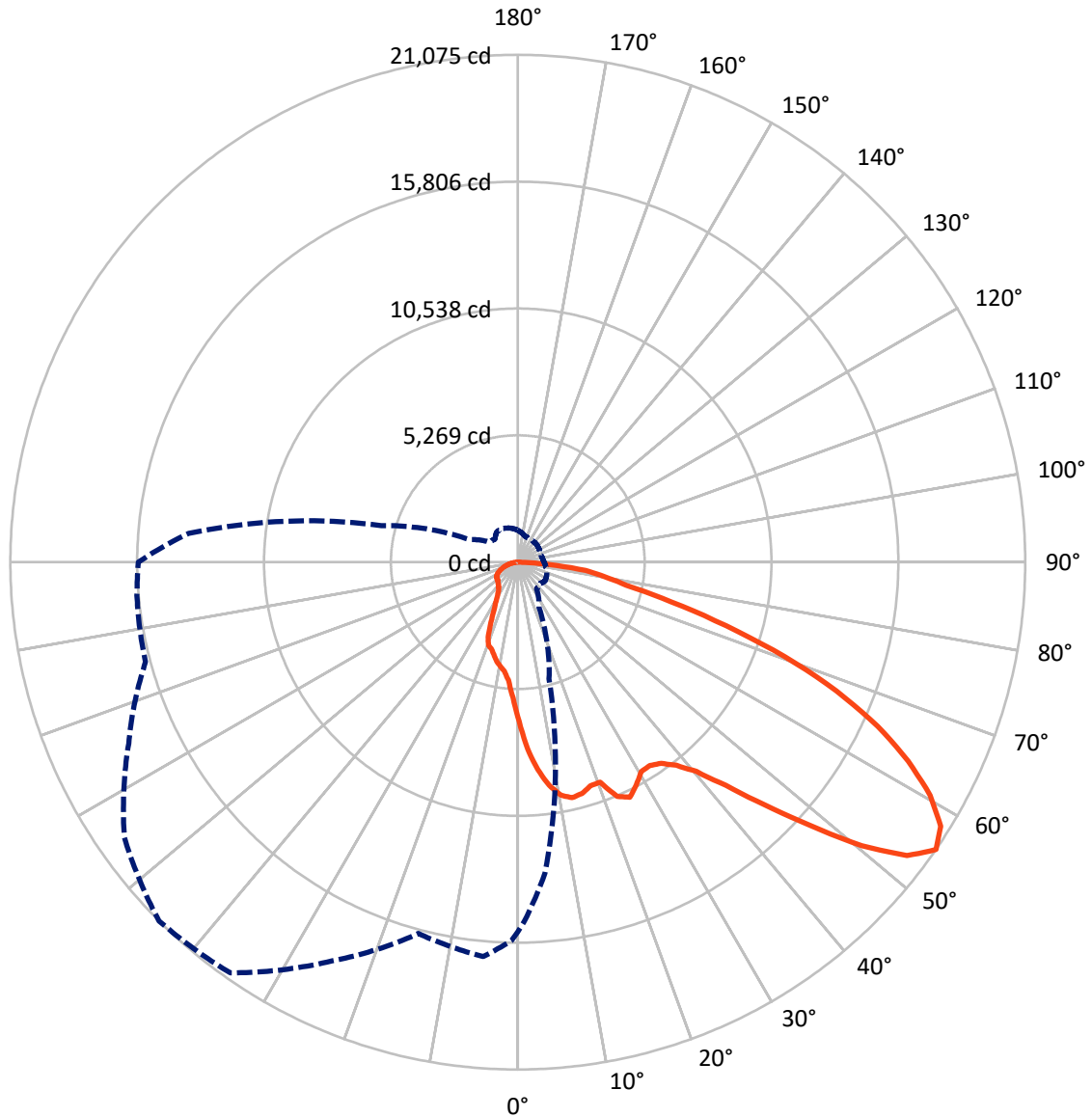
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5770.3	0.0	5770.3
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	20608.7	0.0	20608.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	26379.0	0.0	26379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.1	2.1
10°-20°	1488.5	5.6
20°-30°	2571.5	9.7
30°-40°	2988.5	11.3
40°-50°	4169.6	15.8
50°-60°	5657.7	21.4
60°-70°	5382.6	20.4
70°-80°	2907.8	11.0
80°-90°	651.7	2.5
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°	26379.0	100.0
0°-180°	26379.0	100.0

Coefficient of Utilization



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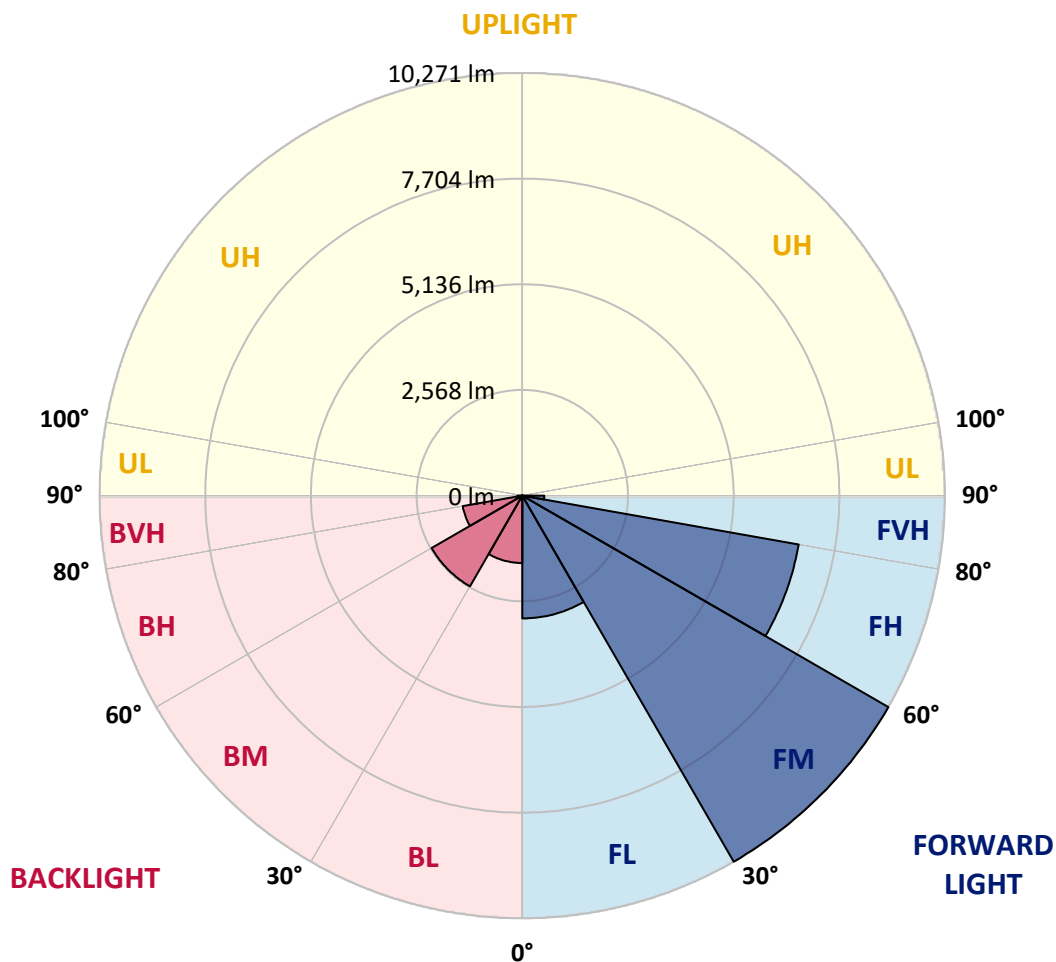
CATALOG NUMBER: GALN-SA4D-750-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2983.5	11.3			
FM	(30°-60°)	10271.4	38.9			
FH	(60°-80°)	6821.2	25.9			G3/7500
FVH	(80°-90°)	532.6	2.0			G4/750
BL	(0°-30°)	1637.6	6.2	B3/2500		
BM	(30°-60°)	2544.3	9.6	B3/5000		
BH	(60°-80°)	1469.3	5.6	B3/2500		G3/2500
BVH	(80°-90°)	119.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1
2.5°	7354.5	7326.7	7248.3	7043.0	6835.9	6625.3	6463.5	6261.6	6051.0	5937.9	5793.5
5°	7455.4	7424.1	7239.6	6776.7	6357.3	5917.0	5565.5	5257.4	5132.1	4947.7	4799.7
7.5°	7218.8	7204.8	6928.1	6263.3	5689.0	5113.0	4714.5	4467.3	4242.8	4159.3	4176.7
10°	7003.0	6947.3	6601.0	5732.5	5062.5	4594.4	4309.0	4067.1	3908.7	3866.9	3875.6
12.5°	6823.7	6748.9	6339.9	5375.8	4789.3	4415.1	4051.4	3799.1	3654.6	3694.7	3830.4
15°	6787.2	6686.2	6230.3	5254.0	4639.6	4157.6	3759.0	3468.4	3360.5	3447.5	3665.1
17.5°	7023.8	6896.8	6418.2	5294.0	4496.9	3894.8	3405.8	3073.4	2982.9	3122.1	3405.8
20°	7784.4	7596.4	7004.7	5525.5	4483.0	3764.3	3200.4	2866.3	2904.6	3169.1	3464.9
22.5°	9190.5	8908.6	8031.5	5863.1	4556.1	3731.2	3158.6	2984.6	3195.2	3419.7	3614.6
25°	9469.0	9248.0	8216.0	5939.6	4540.4	3708.6	3277.0	3364.0	3598.9	3710.3	3642.4
27.5°	9625.6	9373.3	8203.8	5560.3	4060.1	3364.0	3132.5	3277.0	3336.2	3228.3	3043.8
30°	9991.1	9728.3	8410.9	5161.7	3343.1	2495.6	2187.6	2128.4	2168.4	2189.3	2123.2
32.5°	10494.0	10234.7	8800.7	4900.7	2890.6	2064.0	1761.2	1677.6	1658.5	1635.9	1609.8
35°	11144.9	10746.3	9183.6	4733.6	2704.4	1909.1	1630.7	1566.3	1540.2	1508.8	1481.0
37.5°	11806.2	11388.5	9667.4	4557.8	2580.9	1801.2	1543.6	1514.1	1468.8	1435.7	1395.7
40°	12509.3	12041.1	10107.7	4404.7	2460.8	1731.6	1481.0	1477.5	1418.3	1380.1	1333.1
42.5°	13118.4	12636.3	10501.0	4310.7	2368.5	1658.5	1442.7	1453.1	1392.2	1334.8	1273.9
45°	13602.2	13128.8	10864.7	4310.7	2293.7	1585.4	1435.7	1428.8	1367.9	1296.5	1226.9
47.5°	14026.8	13537.8	11219.7	4420.4	2246.7	1524.5	1397.5	1409.6	1347.0	1256.5	1188.6
50°	14355.7	13924.1	11698.3	4590.9	2199.7	1475.8	1348.7	1414.9	1329.6	1235.6	1157.3
52.5°	14775.1	14388.8	12274.3	4824.1	2159.7	1421.8	1305.2	1414.9	1327.8	1237.4	1152.1
55°	15356.4	14949.2	12968.7	5017.3	2095.3	1371.4	1266.9	1374.8	1322.6	1228.7	1138.2
57.5°	15763.6	15459.1	13459.5	5146.1	2003.1	1307.0	1232.1	1336.5	1300.0	1195.6	1096.4
58°	15782.8	15485.2	13530.8	5175.7	1980.5	1294.8	1223.4	1319.1	1289.6	1181.7	1082.5
60°	15563.5	15307.7	13544.7	5133.9	1851.7	1233.9	1178.2	1247.8	1233.9	1099.9	1007.6
62.5°	14766.4	14493.2	12982.6	4794.5	1681.1	1159.0	1108.6	1152.1	1120.8	985.0	899.7
65°	13633.5	13130.6	11827.1	4262.0	1559.3	1079.0	1014.6	1018.1	985.0	887.6	812.7
67.5°	12124.7	11562.5	10013.7	3592.0	1467.1	990.2	903.2	894.5	854.5	791.8	730.9
70°	10267.8	9883.2	8137.6	2922.0	1364.4	892.8	777.9	772.7	748.3	701.3	647.4
72.5°	8322.1	7833.1	6571.4	2339.0	1239.1	798.8	661.3	671.8	640.4	607.4	558.6
75°	6141.5	5821.3	5079.9	1876.0	1070.3	696.1	551.7	555.2	541.2	506.4	468.1
77.5°	4044.5	3948.7	3633.7	1232.1	823.2	553.4	450.7	454.2	443.8	412.5	372.4
80°	2721.8	2657.4	2462.5	793.6	549.9	400.3	348.1	351.5	349.8	316.7	262.8
82.5°	1677.6	1649.8	1587.2	536.0	381.1	287.1	229.7	240.2	259.3	222.8	179.3
85°	791.8	793.6	958.9	292.4	224.5	184.5	125.3	134.0	134.0	134.0	100.9
87.5°	102.7	107.9	132.3	123.6	81.8	69.6	45.2	38.3	33.1	43.5	31.3
90°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1
2.5°	5743.0	5708.2	5633.3	5615.9	5605.5	5635.1	5556.8	5577.7	5542.9	5640.3	5624.6
5°	4808.4	4811.9	4872.8	4912.9	4926.8	4912.9	4860.7	4770.2	4700.5	4672.7	4679.7
7.5°	4143.7	4204.6	4309.0	4425.6	4531.7	4563.1	4533.5	4361.2	4173.2	4054.9	4016.6
10°	3922.6	4004.4	4124.5	4216.7	4310.7	4385.6	4401.2	4267.2	4044.5	3764.3	3654.6
12.5°	3934.8	4046.2	4161.1	4190.6	4181.9	4211.5	4197.6	4175.0	4028.8	3672.0	3489.3
15°	3820.0	3952.2	4032.3	4016.6	3988.8	3962.7	3926.1	3868.7	3816.5	3565.9	3364.0
17.5°	3555.4	3691.2	3757.3	3762.5	3762.5	3755.6	3666.8	3645.9	3639.0	3517.1	3393.6
20°	3604.2	3679.0	3649.4	3600.7	3614.6	3661.6	3609.4	3598.9	3639.0	3692.9	3670.3
22.5°	3632.0	3605.9	3383.1	3167.3	3118.6	3264.8	3294.4	3411.0	3572.8	3767.7	3894.8
25°	3459.7	3249.1	2850.6	2607.0	2469.5	2605.2	2782.7	2998.5	3240.4	3491.0	3639.0
27.5°	2892.4	2732.3	2446.9	2227.6	2107.5	2128.4	2279.8	2476.4	2700.9	2869.8	2977.7
30°	2178.9	2107.5	1959.6	1884.7	1811.7	1794.2	1858.6	1933.5	2032.7	2053.6	2081.4
32.5°	1604.6	1594.1	1602.8	1578.5	1564.5	1562.8	1543.6	1561.0	1571.5	1583.7	1559.3
35°	1451.4	1437.5	1413.1	1406.2	1397.5	1400.9	1392.2	1383.5	1390.5	1400.9	1407.9
37.5°	1373.1	1352.2	1317.4	1305.2	1305.2	1310.4	1296.5	1293.0	1305.2	1338.3	1355.7
40°	1312.2	1287.8	1247.8	1232.1	1242.6	1256.5	1237.4	1230.4	1260.0	1294.8	1322.6
42.5°	1254.8	1235.6	1197.3	1179.9	1188.6	1214.7	1186.9	1181.7	1219.9	1258.2	1291.3
45°	1206.0	1186.9	1152.1	1143.4	1146.9	1171.2	1152.1	1152.1	1188.6	1230.4	1260.0
47.5°	1167.7	1143.4	1120.8	1113.8	1117.3	1131.2	1127.7	1127.7	1162.5	1206.0	1235.6
50°	1129.5	1108.6	1079.0	1082.5	1091.2	1110.3	1108.6	1113.8	1148.6	1202.5	1233.9
52.5°	1112.1	1080.7	1047.7	1051.1	1077.2	1099.9	1092.9	1098.1	1138.2	1239.1	1284.3
55°	1092.9	1051.1	1012.9	1018.1	1047.7	1080.7	1072.0	1079.0	1126.0	1263.5	1326.1
57.5°	1056.4	1007.6	965.9	969.3	1012.9	1047.7	1033.7	1042.4	1098.1	1237.4	1303.5
58°	1040.7	998.9	958.9	960.6	1002.4	1040.7	1025.0	1032.0	1089.4	1230.4	1293.0
60°	974.6	950.2	915.4	917.1	957.2	990.2	981.5	988.5	1044.2	1179.9	1226.9
62.5°	884.1	870.1	861.4	861.4	885.8	917.1	925.8	934.5	985.0	1066.8	1108.6
65°	786.6	786.6	788.4	788.4	804.0	844.0	849.3	871.9	918.9	958.9	990.2
67.5°	720.5	717.0	720.5	711.8	718.7	743.1	769.2	790.1	838.8	866.7	877.1
70°	635.2	633.5	635.2	623.0	631.7	652.6	670.0	704.8	755.3	776.2	781.4
72.5°	551.7	551.7	555.2	546.5	546.5	569.1	581.3	619.5	666.5	678.7	680.5
75°	464.7	469.9	469.9	457.7	461.2	475.1	490.8	522.1	565.6	574.3	574.3
77.5°	368.9	388.1	388.1	375.9	381.1	382.9	403.7	419.4	452.5	456.0	442.0
80°	268.0	287.1	302.8	292.4	301.1	290.6	302.8	313.3	346.3	330.7	308.0
82.5°	191.4	205.4	217.5	219.3	210.6	191.4	207.1	208.8	224.5	203.6	191.4
85°	106.2	118.3	134.0	127.0	113.1	100.9	106.2	109.6	107.9	102.7	95.7
87.5°	27.8	29.6	33.1	24.4	22.6	19.1	26.1	26.1	29.6	31.3	29.6
90°	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1
2.5°	5636.8	5713.4	5878.7	6004.0	6157.2	6343.4	6562.7	6783.7	7022.1	7096.9	7201.4
5°	4664.0	4855.4	4935.5	5163.5	5389.7	5729.1	6091.0	6510.5	6969.9	7190.9	7403.2
7.5°	3985.3	4088.0	4171.5	4338.6	4610.1	5022.5	5476.7	6000.6	6651.4	6973.4	7284.9
10°	3619.8	3630.3	3732.9	3940.0	4176.7	4540.4	4970.3	5556.8	6282.5	6674.0	7039.5
12.5°	3377.9	3332.7	3444.1	3659.8	3927.9	4263.7	4658.8	5217.4	6016.2	6418.2	6860.3
15°	3165.6	3094.3	3177.8	3398.8	3663.3	4058.4	4483.0	5074.7	5911.8	6379.9	6870.7
17.5°	3170.8	2974.2	3003.8	3190.0	3452.8	3854.8	4369.9	5069.5	6070.2	6609.7	7190.9
20°	3562.4	3247.4	3113.4	3148.2	3402.3	3840.8	4422.1	5313.1	6590.5	7377.1	7998.4
22.5°	3947.0	3757.3	3541.5	3470.2	3609.4	4068.8	4754.5	5889.2	7721.7	8906.9	10029.3
25°	3813.0	3974.8	3920.9	3820.0	3851.3	4232.4	4980.7	6362.5	8600.6	9935.4	10990.0
27.5°	3050.7	3344.9	3404.0	3402.3	3414.5	3727.7	4479.5	6044.1	8710.2	10132.0	11139.7
30°	2144.0	2170.2	2201.5	2262.4	2318.1	2598.3	3505.0	5306.2	8661.5	10220.8	11230.2
32.5°	1547.1	1581.9	1625.4	1709.0	1841.2	2198.0	3066.4	5071.2	8919.0	10588.0	11494.7
35°	1414.9	1454.9	1496.7	1592.4	1717.7	2048.3	2892.4	4973.8	9341.9	11183.2	11969.8
37.5°	1373.1	1418.3	1454.9	1524.5	1625.4	1940.4	2734.0	4907.6	9775.3	11813.2	12606.7
40°	1343.5	1395.7	1425.3	1481.0	1550.6	1841.2	2593.0	4855.4	10194.7	12389.2	13118.4
42.5°	1317.4	1371.4	1409.6	1449.7	1507.1	1752.5	2467.7	4803.2	10558.4	12947.8	13628.3
45°	1286.1	1354.0	1402.7	1434.0	1484.5	1677.6	2372.0	4761.5	10972.6	13443.8	14143.4
47.5°	1260.0	1334.8	1395.7	1432.3	1451.4	1625.4	2295.5	4818.9	11470.3	13962.4	14622.0
50°	1261.7	1333.1	1409.6	1467.1	1416.6	1581.9	2248.5	5046.9	12117.7	14578.5	14999.6
52.5°	1317.4	1404.4	1465.3	1479.3	1367.9	1529.7	2224.1	5445.4	12883.4	15123.2	15380.8
55°	1380.1	1470.6	1536.7	1528.0	1341.8	1463.6	2218.9	5870.0	13722.3	15758.4	15876.8
57.5°	1357.4	1489.7	1590.6	1545.4	1343.5	1399.2	2196.3	6212.9	14423.6	16233.5	16367.5
58°	1350.5	1482.7	1597.6	1541.9	1338.3	1380.1	2191.0	6242.5	14521.1	16266.6	16437.1
60°	1282.6	1421.8	1592.4	1515.8	1308.7	1327.8	2133.6	6338.2	14495.0	16096.0	16478.9
62.5°	1159.0	1273.9	1472.3	1388.8	1218.2	1258.2	2004.8	6219.8	13788.4	15274.6	15868.0
65°	1019.8	1105.1	1237.4	1221.7	1089.4	1186.9	1829.1	5751.7	12373.5	13941.5	14566.3
67.5°	915.4	985.0	1068.5	1045.9	979.8	1091.2	1639.4	4959.9	10786.4	12340.5	13127.1
70°	809.2	863.2	905.0	889.3	868.4	997.2	1470.6	4025.3	9265.4	10819.4	11581.7
72.5°	701.3	751.8	786.6	764.0	751.8	898.0	1333.1	3123.8	7318.0	8926.0	9905.8
75°	586.5	636.9	661.3	635.2	628.2	791.8	1129.5	2333.7	5490.6	6881.1	7726.9
77.5°	454.2	508.2	539.5	530.8	534.3	650.9	911.9	1597.6	3926.1	4690.1	5581.1
80°	318.5	377.6	398.5	389.8	414.2	496.0	643.9	1014.6	2707.9	3043.8	3672.0
82.5°	196.7	252.3	255.8	264.5	281.9	367.2	485.5	617.8	1700.3	1757.7	2213.7
85°	99.2	120.1	128.8	142.7	158.4	224.5	276.7	382.9	1094.6	828.4	1237.4
87.5°	33.1	34.8	41.8	52.2	64.4	92.2	118.3	156.6	271.5	149.7	382.9
90°	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1	6620.1
2.5°	7411.9	7559.9	7667.8	7767.0	7671.2	7662.5	7568.6	7417.2	7354.5	7354.5
5°	7848.7	8195.1	8475.3	8654.5	8577.9	8393.5	8088.9	7700.8	7492.0	7455.4
7.5°	7968.8	8652.8	9173.1	9357.6	9228.8	8821.6	8238.6	7584.2	7284.9	7218.8
10°	7895.7	8785.0	9549.0	9841.4	9662.1	9046.1	8250.8	7448.5	7079.5	7003.0
12.5°	7819.2	8802.4	9618.6	10041.5	9924.9	9227.1	8339.5	7359.7	6933.4	6823.7
15°	7874.9	8809.4	9533.4	9970.2	10045.0	9444.6	8485.7	7424.1	6903.8	6787.2
17.5°	8226.4	8941.7	9411.5	9764.8	10027.6	9740.5	8901.6	7732.1	7168.3	7023.8
20°	8960.8	9258.4	9481.2	9754.4	10177.3	10344.3	9752.6	8577.9	7911.4	7784.4
22.5°	11087.4	11033.5	10577.5	10572.3	11184.9	11854.9	11814.9	10297.4	9294.9	9190.5
25°	11884.5	11633.9	10974.3	10814.2	11084.0	12117.7	11968.0	10648.9	9723.1	9469.0
27.5°	11573.0	10951.7	10518.4	10481.8	10393.1	11369.4	11729.6	10791.6	9872.7	9625.6
30°	11553.8	10640.2	10020.6	10093.7	10179.0	11111.8	11861.9	11238.9	10255.6	9991.1
32.5°	11600.8	10683.7	10057.2	10071.1	10325.2	11150.1	12008.1	11726.1	10758.5	10494.0
35°	11790.5	10930.8	10290.4	10257.3	10654.1	11400.7	12256.9	12491.9	11445.9	11144.9
37.5°	12096.8	11423.3	10716.8	10708.1	11284.1	11853.2	12566.7	13264.6	12129.9	11806.2
40°	12547.6	11999.4	11475.5	11428.5	12140.3	12589.3	12968.7	14087.7	12925.2	12509.3
42.5°	13092.3	12690.3	12476.2	12662.4	13346.4	13416.0	13595.2	14848.2	13602.2	13118.4
45°	13597.0	13577.8	13875.4	14369.7	14768.2	14350.5	14249.6	15358.1	14127.7	13602.2
47.5°	14197.4	14716.0	15614.0	16337.9	16755.6	15438.2	14808.2	15690.5	14510.6	14026.8
50°	14806.5	16078.6	17512.6	18522.0	18610.8	16619.9	15192.8	16003.8	14858.7	14355.7
52.5°	15446.9	17166.3	19075.4	20248.4	20076.1	17648.4	15565.2	16216.1	15217.2	14775.1
55°	16003.8	17832.8	19949.1	21075.0	20822.7	18274.9	15967.2	16445.8	15728.8	15356.4
57.5°	16315.3	17888.5	19731.5	20714.8	20441.6	18153.1	16151.7	16616.4	16056.0	15763.6
58°	16360.6	17813.7	19538.3	20505.9	20227.5	18050.4	16150.0	16609.4	16076.9	15782.8
60°	16320.5	17328.2	18819.6	19681.0	19388.7	17406.5	16083.8	16478.9	15812.4	15563.5
62.5°	15949.8	16485.9	17578.8	18205.3	18121.7	16400.6	15812.4	15986.4	15006.6	14766.4
65°	15462.6	15337.3	15989.9	16433.6	16496.3	15647.0	15542.6	14921.3	13972.9	13633.5
67.5°	14870.9	14035.5	14033.8	14286.1	14390.5	14488.0	14980.5	13764.0	12483.2	12124.7
70°	13866.7	12028.9	11475.5	11773.1	11686.1	12509.3	13976.3	12138.6	10687.2	10267.8
72.5°	12025.5	9545.5	8659.7	9042.6	8823.3	9810.1	12229.1	9989.3	8837.2	8322.1
75°	9747.4	7140.4	6226.8	6578.3	6442.6	7441.5	10175.5	7255.3	6338.2	6141.5
77.5°	7568.6	5173.9	4643.1	4594.4	4695.3	5537.6	7464.1	4898.9	4178.5	4044.5
80°	4862.4	3703.4	3734.7	3672.0	3724.2	3491.0	4531.7	3125.6	2829.7	2721.8
82.5°	3200.4	2580.9	3076.8	2840.2	2697.5	2347.7	2972.4	2046.6	1736.8	1677.6
85°	2180.6	1900.4	1729.9	1322.6	1557.6	1808.2	2229.3	1101.6	873.6	791.8
87.5°	985.0	661.3	485.5	299.3	473.4	546.5	1082.5	128.8	99.2	102.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)