

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: P456150

Luminaire Tested: **GALN-SA7B-827-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456150
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-SA7B-827-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 2700K, 800mA 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: 25114 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 286
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

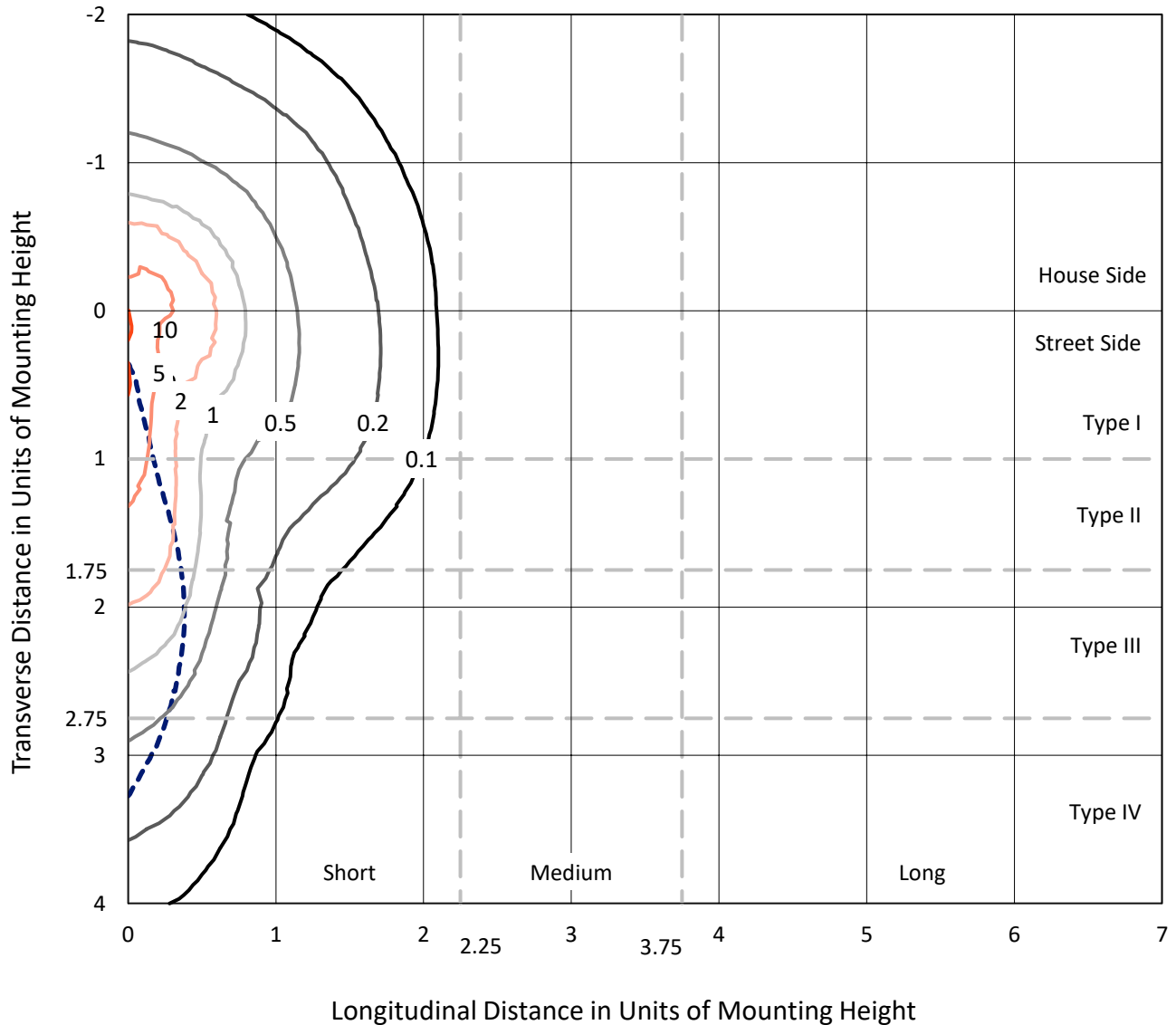




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Iso-Footcandle Lines of Horizontal Illumination

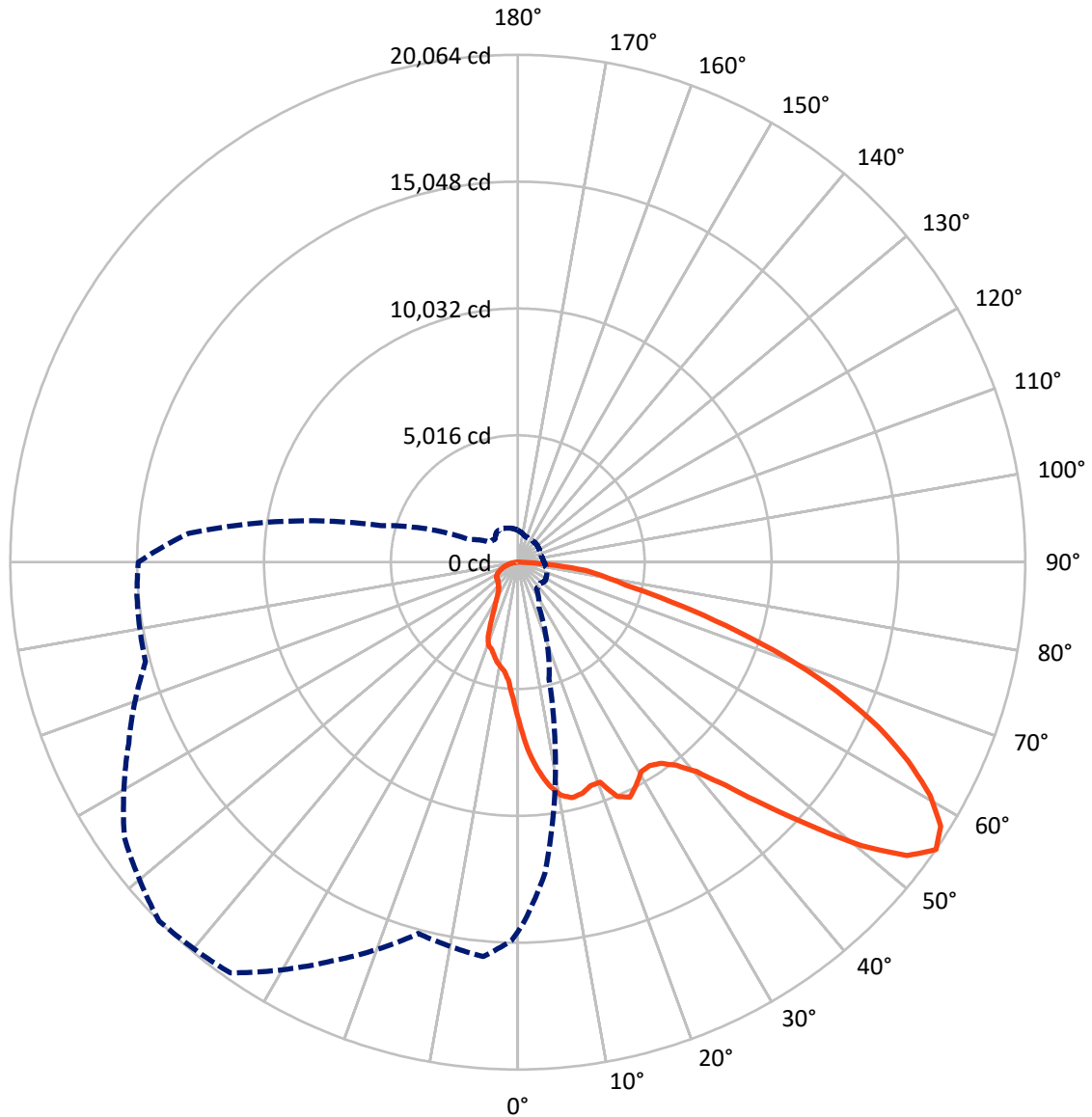
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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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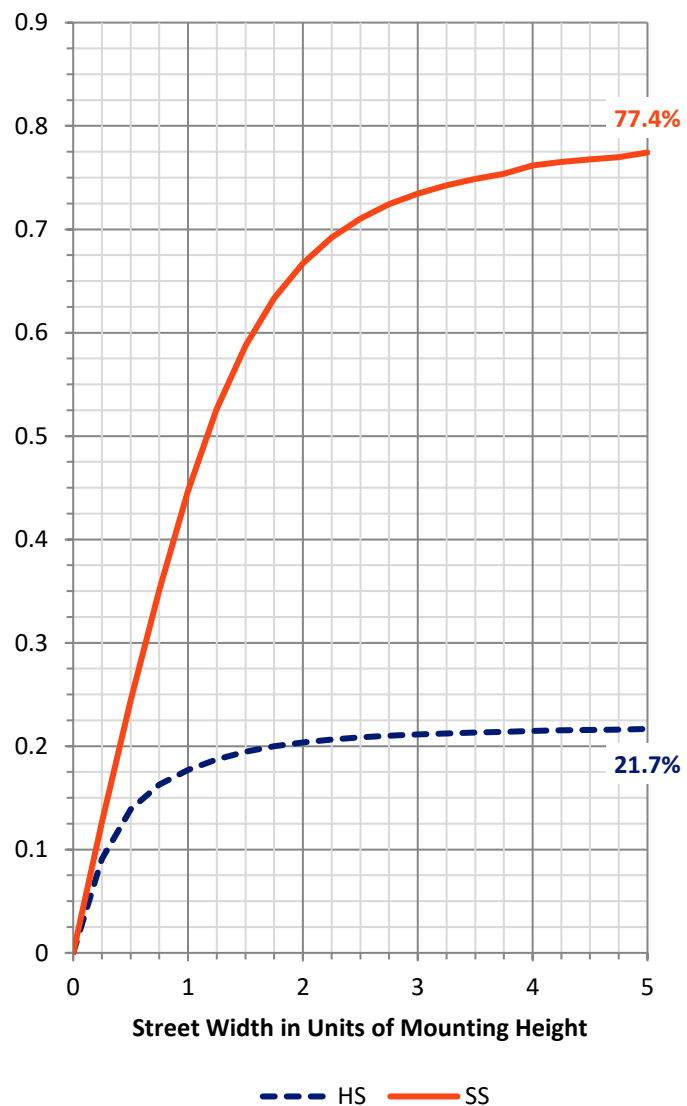
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5493.6	0.0	5493.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	19620.4	0.0	19620.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	25114.0	0.0	25114.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.2	2.1
10°-20°	1417.2	5.6
20°-30°	2448.2	9.7
30°-40°	2845.2	11.3
40°-50°	3969.6	15.8
50°-60°	5386.3	21.4
60°-70°	5124.5	20.4
70°-80°	2768.4	11.0
80°-90°	620.4	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°	25114.0	100.0
0°-180°	25114.0	100.0



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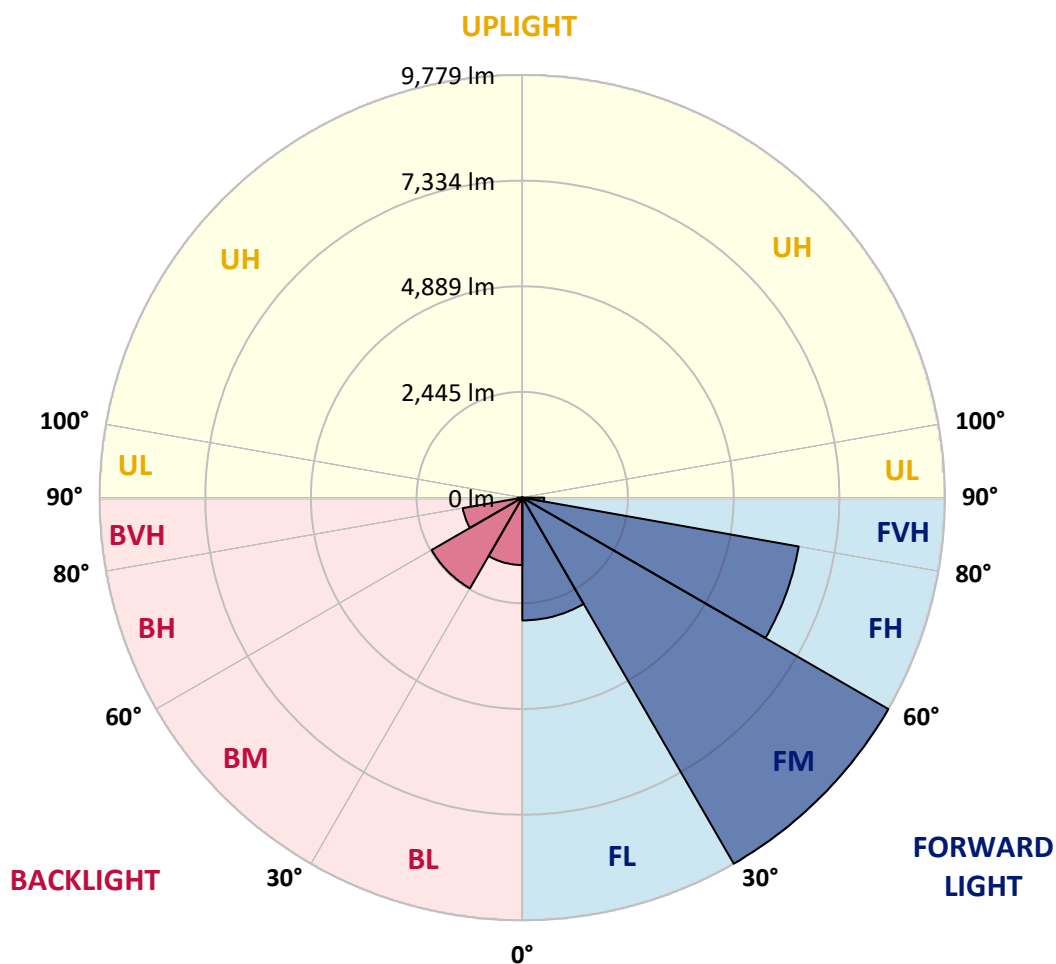
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2840.4	11.3			
FM	(30°-60°)	9778.9	38.9			
FH	(60°-80°)	6494.1	25.9			G3/7500
FVH	(80°-90°)	507.1	2.0			G4/750
BL	(0°-30°)	1559.1	6.2	B3/2500		
BM	(30°-60°)	2422.3	9.6	B2/2500		
BH	(60°-80°)	1398.8	5.6	B3/2500		G3/2500
BVH	(80°-90°)	113.4	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°	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6
2.5°	7001.8	6975.3	6900.8	6705.2	6508.1	6307.6	6153.5	5961.3	5760.8	5653.2	5515.6
5°	7097.9	7068.1	6892.5	6451.7	6052.4	5633.3	5298.6	5005.3	4886.0	4710.4	4569.6
7.5°	6872.6	6859.3	6595.9	5963.0	5416.2	4867.8	4488.4	4253.1	4039.4	3959.9	3976.4
10°	6667.1	6614.1	6284.4	5457.6	4819.8	4374.1	4102.3	3872.0	3721.3	3681.5	3689.8
12.5°	6496.5	6425.2	6035.9	5118.0	4559.6	4203.4	3857.1	3616.9	3479.4	3517.5	3646.7
15°	6461.7	6365.6	5931.5	5002.0	4417.1	3958.2	3578.8	3302.1	3199.4	3282.2	3489.3
17.5°	6687.0	6566.1	6110.4	5040.1	4281.3	3708.0	3242.4	2926.0	2839.8	2972.4	3242.4
20°	7411.1	7232.1	6668.8	5260.5	4268.0	3583.8	3046.9	2728.8	2765.3	3017.1	3298.8
22.5°	8749.8	8481.4	7646.3	5581.9	4337.6	3552.3	3007.2	2841.5	3042.0	3255.7	3441.3
25°	9014.9	8804.5	7822.0	5654.8	4322.7	3530.7	3119.8	3202.7	3426.4	3532.4	3467.8
27.5°	9164.0	8923.8	7810.4	5293.6	3865.4	3202.7	2982.3	3119.8	3176.2	3073.4	2897.8
30°	9511.9	9261.8	8007.5	4914.2	3182.8	2375.9	2082.7	2026.3	2064.4	2084.3	2021.3
32.5°	9990.8	9743.9	8378.7	4665.7	2752.0	1965.0	1676.7	1597.2	1579.0	1557.4	1532.6
35°	10610.4	10231.0	8743.2	4506.6	2574.7	1817.6	1552.5	1491.2	1466.3	1436.5	1410.0
37.5°	11240.0	10842.4	9203.8	4339.3	2457.1	1714.8	1469.6	1441.5	1398.4	1366.9	1328.8
40°	11909.4	11463.7	9622.9	4193.5	2342.8	1648.6	1410.0	1406.7	1350.3	1313.9	1269.1
42.5°	12489.3	12030.3	9997.4	4104.0	2255.0	1579.0	1373.5	1383.5	1325.5	1270.8	1212.8
45°	12949.9	12499.2	10343.7	4104.0	2183.7	1509.4	1366.9	1360.3	1302.3	1234.3	1168.1
47.5°	13354.2	12888.6	10681.7	4208.4	2139.0	1451.4	1330.4	1342.0	1282.4	1196.2	1131.6
50°	13667.3	13256.4	11137.3	4370.8	2094.3	1405.0	1284.1	1347.0	1265.8	1176.4	1101.8
52.5°	14066.6	13698.8	11685.7	4592.8	2056.1	1353.6	1242.6	1347.0	1264.2	1178.0	1096.8
55°	14620.0	14232.3	12346.8	4776.7	1994.8	1305.6	1206.2	1308.9	1259.2	1169.7	1083.6
57.5°	15007.7	14717.7	12814.0	4899.3	1907.0	1244.3	1173.0	1272.5	1237.7	1138.3	1043.8
58°	15025.9	14742.6	12882.0	4927.5	1885.5	1232.7	1164.8	1255.9	1227.7	1125.0	1030.6
60°	14817.2	14573.6	12895.2	4887.7	1762.9	1174.7	1121.7	1188.0	1174.7	1047.1	959.3
62.5°	14058.3	13798.2	12360.1	4564.6	1600.5	1103.5	1055.4	1096.8	1067.0	937.8	856.6
65°	12979.7	12500.9	11259.9	4057.6	1484.5	1027.2	965.9	969.3	937.8	845.0	773.7
67.5°	11543.2	11008.1	9533.5	3419.7	1396.7	942.7	859.9	851.6	813.5	753.9	695.9
70°	9775.4	9409.2	7747.4	2781.8	1299.0	850.0	740.6	735.6	712.4	667.7	616.3
72.5°	7923.0	7457.5	6256.2	2226.8	1179.7	760.5	629.6	639.5	609.7	578.2	531.8
75°	5847.0	5542.1	4836.3	1786.1	1019.0	662.7	525.2	528.5	515.3	482.1	445.7
77.5°	3850.5	3759.4	3459.5	1173.0	783.7	526.9	429.1	432.4	422.5	392.7	354.6
80°	2591.3	2530.0	2344.4	755.5	523.6	381.1	331.4	334.7	333.0	301.5	250.2
82.5°	1597.2	1570.7	1511.0	510.3	362.8	273.4	218.7	228.6	246.9	212.1	170.7
85°	753.9	755.5	912.9	278.3	213.7	175.6	119.3	127.6	127.6	127.6	96.1
87.5°	97.8	102.7	125.9	117.6	77.9	66.3	43.1	36.5	31.5	41.4	29.8
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°	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6
2.5°	5467.6	5434.4	5363.2	5346.6	5336.7	5364.9	5290.3	5310.2	5277.0	5369.8	5354.9
5°	4577.9	4581.2	4639.2	4677.3	4690.5	4677.3	4627.6	4541.4	4475.1	4448.6	4455.3
7.5°	3944.9	4002.9	4102.3	4213.4	4314.4	4344.2	4316.1	4152.1	3973.1	3860.4	3824.0
10°	3734.5	3812.4	3926.7	4014.5	4104.0	4175.2	4190.2	4062.6	3850.5	3583.8	3479.4
12.5°	3746.1	3852.2	3961.5	3989.7	3981.4	4009.6	3996.3	3974.8	3835.6	3495.9	3322.0
15°	3636.8	3762.7	3838.9	3824.0	3797.5	3772.6	3737.8	3683.2	3633.5	3394.9	3202.7
17.5°	3384.9	3514.2	3577.1	3582.1	3582.1	3575.5	3491.0	3471.1	3464.5	3348.5	3230.8
20°	3431.3	3502.6	3474.4	3428.0	3441.3	3486.0	3436.3	3426.4	3464.5	3515.8	3494.3
22.5°	3457.8	3433.0	3220.9	3015.5	2969.1	3108.2	3136.4	3247.4	3401.5	3587.1	3708.0
25°	3293.8	3093.3	2713.9	2482.0	2351.1	2480.3	2649.3	2854.7	3085.0	3323.6	3464.5
27.5°	2753.7	2601.2	2329.5	2120.8	2006.4	2026.3	2170.5	2357.7	2571.4	2732.1	2834.9
30°	2074.4	2006.4	1865.6	1794.4	1724.8	1708.2	1769.5	1840.8	1935.2	1955.1	1981.6
32.5°	1527.6	1517.7	1526.0	1502.8	1489.5	1487.8	1469.6	1486.2	1496.1	1507.7	1484.5
35°	1381.8	1368.6	1345.4	1338.7	1330.4	1333.8	1325.5	1317.2	1323.8	1333.8	1340.4
37.5°	1307.2	1287.4	1254.2	1242.6	1242.6	1247.6	1234.3	1231.0	1242.6	1274.1	1290.7
40°	1249.3	1226.1	1188.0	1173.0	1183.0	1196.2	1178.0	1171.4	1199.6	1232.7	1259.2
42.5°	1194.6	1176.4	1139.9	1123.3	1131.6	1156.5	1130.0	1125.0	1161.4	1197.9	1229.4
45°	1148.2	1130.0	1096.8	1088.5	1091.9	1115.1	1096.8	1096.8	1131.6	1171.4	1199.6
47.5°	1111.7	1088.5	1067.0	1060.4	1063.7	1076.9	1073.6	1073.6	1106.8	1148.2	1176.4
50°	1075.3	1055.4	1027.2	1030.6	1038.8	1057.1	1055.4	1060.4	1093.5	1144.9	1174.7
52.5°	1058.7	1028.9	997.4	1000.7	1025.6	1047.1	1040.5	1045.5	1083.6	1179.7	1222.8
55°	1040.5	1000.7	964.3	969.3	997.4	1028.9	1020.6	1027.2	1072.0	1202.9	1262.5
57.5°	1005.7	959.3	919.5	922.9	964.3	997.4	984.2	992.4	1045.5	1178.0	1241.0
58°	990.8	951.0	912.9	914.6	954.3	990.8	975.9	982.5	1037.2	1171.4	1231.0
60°	927.8	904.6	871.5	873.2	911.3	942.7	934.5	941.1	994.1	1123.3	1168.1
62.5°	841.7	828.4	820.1	820.1	843.3	873.2	881.4	889.7	937.8	1015.6	1055.4
65°	748.9	748.9	750.6	750.6	765.5	803.6	808.5	830.1	874.8	912.9	942.7
67.5°	685.9	682.6	685.9	677.6	684.3	707.5	732.3	752.2	798.6	825.1	835.0
70°	604.7	603.1	604.7	593.2	601.4	621.3	637.9	671.0	719.1	739.0	743.9
72.5°	525.2	525.2	528.5	520.2	520.2	541.8	553.4	589.8	634.6	646.2	647.8
75°	442.4	447.3	447.3	435.7	439.1	452.3	467.2	497.1	538.5	546.8	546.8
77.5°	351.3	369.5	369.5	357.9	362.8	364.5	384.4	399.3	430.8	434.1	420.8
80°	255.2	273.4	288.3	278.3	286.6	276.7	288.3	298.2	329.7	314.8	293.3
82.5°	182.3	195.5	207.1	208.8	200.5	182.3	197.2	198.8	213.7	193.9	182.3
85°	101.1	112.7	127.6	120.9	107.7	96.1	101.1	104.4	102.7	97.8	91.1
87.5°	26.5	28.2	31.5	23.2	21.5	18.2	24.9	24.9	28.2	29.8	28.2
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°	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6
2.5°	5366.5	5439.4	5596.8	5716.1	5861.9	6039.2	6248.0	6458.4	6685.4	6756.6	6856.0
5°	4440.3	4622.6	4698.8	4915.9	5131.2	5454.3	5799.0	6198.3	6635.7	6846.1	7048.2
7.5°	3794.2	3891.9	3971.5	4130.5	4389.0	4781.7	5214.1	5712.8	6332.5	6639.0	6935.5
10°	3446.2	3456.2	3553.9	3751.1	3976.4	4322.7	4731.9	5290.3	5981.2	6354.0	6701.9
12.5°	3215.9	3172.9	3278.9	3484.3	3739.5	4059.3	4435.4	4967.2	5727.7	6110.4	6531.3
15°	3013.8	2945.9	3025.4	3235.8	3487.7	3863.8	4268.0	4831.4	5628.3	6074.0	6541.2
17.5°	3018.8	2831.5	2859.7	3037.0	3287.2	3669.9	4160.3	4826.4	5779.1	6292.7	6846.1
20°	3391.6	3091.7	2964.1	2997.2	3239.1	3656.7	4210.0	5058.3	6274.5	7023.4	7614.9
22.5°	3757.7	3577.1	3371.7	3303.7	3436.3	3873.7	4526.5	5606.8	7351.4	8479.7	9548.4
25°	3630.1	3784.2	3732.9	3636.8	3666.6	4029.4	4741.9	6057.4	8188.1	9458.9	10463.0
27.5°	2904.4	3184.5	3240.8	3239.1	3250.7	3549.0	4264.7	5754.2	8292.5	9646.1	10605.5
30°	2041.2	2066.1	2095.9	2153.9	2206.9	2473.7	3336.9	5051.7	8246.1	9730.6	10691.6
32.5°	1472.9	1506.1	1547.5	1627.0	1752.9	2092.6	2919.4	4828.0	8491.3	10080.2	10943.5
35°	1347.0	1385.1	1424.9	1516.0	1635.3	1950.1	2753.7	4735.3	8893.9	10646.9	11395.8
37.5°	1307.2	1350.3	1385.1	1451.4	1547.5	1847.4	2602.9	4672.3	9306.5	11246.7	12002.2
40°	1279.1	1328.8	1357.0	1410.0	1476.2	1752.9	2468.7	4622.6	9705.8	11795.1	12489.3
42.5°	1254.2	1305.6	1342.0	1380.2	1434.8	1668.4	2349.4	4572.9	10052.1	12326.9	12974.7
45°	1224.4	1289.0	1335.4	1365.2	1413.3	1597.2	2258.3	4533.1	10446.4	12799.1	13465.2
47.5°	1199.6	1270.8	1328.8	1363.6	1381.8	1547.5	2185.4	4587.8	10920.3	13292.9	13920.8
50°	1201.2	1269.1	1342.0	1396.7	1348.7	1506.1	2140.6	4804.8	11536.6	13879.4	14280.3
52.5°	1254.2	1337.1	1395.1	1408.3	1302.3	1456.4	2117.4	5184.3	12265.6	14398.0	14643.2
55°	1313.9	1400.0	1463.0	1454.7	1277.4	1393.4	2112.5	5588.5	13064.2	15002.7	15115.4
57.5°	1292.3	1418.3	1514.4	1471.3	1279.1	1332.1	2090.9	5914.9	13731.9	15455.0	15582.6
58°	1285.7	1411.6	1521.0	1468.0	1274.1	1313.9	2086.0	5943.1	13824.7	15486.5	15648.9
60°	1221.1	1353.6	1516.0	1443.1	1245.9	1264.2	2031.3	6034.2	13799.9	15324.1	15688.7
62.5°	1103.5	1212.8	1401.7	1322.2	1159.8	1197.9	1908.7	5921.6	13127.2	14542.1	15107.1
65°	970.9	1052.1	1178.0	1163.1	1037.2	1130.0	1741.3	5475.9	11780.2	13273.0	13867.8
67.5°	871.5	937.8	1017.3	995.8	932.8	1038.8	1560.7	4722.0	10269.1	11748.7	12497.6
70°	770.4	821.8	861.6	846.6	826.8	949.4	1400.0	3832.3	8821.0	10300.6	11026.3
72.5°	667.7	715.8	748.9	727.4	715.8	854.9	1269.1	2974.0	6967.0	8498.0	9430.8
75°	558.4	606.4	629.6	604.7	598.1	753.9	1075.3	2221.8	5227.3	6551.2	7356.4
77.5°	432.4	483.8	513.6	505.3	508.7	619.7	868.2	1521.0	3737.8	4465.2	5313.5
80°	303.2	359.5	379.4	371.1	394.3	472.2	613.0	965.9	2578.0	2897.8	3495.9
82.5°	187.2	240.2	243.6	251.8	268.4	349.6	462.3	588.2	1618.7	1673.4	2107.5
85°	94.4	114.3	122.6	135.9	150.8	213.7	263.4	364.5	1042.2	788.7	1178.0
87.5°	31.5	33.1	39.8	49.7	61.3	87.8	112.7	149.1	258.5	142.5	364.5
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°	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6	6302.6
2.5°	7056.5	7197.3	7300.1	7394.5	7303.4	7295.1	7205.6	7061.5	7001.8	7001.8
5°	7472.4	7802.1	8068.8	8239.5	8166.6	7991.0	7701.0	7331.5	7132.7	7097.9
7.5°	7586.7	8237.8	8733.2	8908.8	8786.2	8398.5	7843.5	7220.5	6935.5	6872.6
10°	7517.1	8363.7	9091.1	9369.5	9198.8	8612.3	7855.1	7091.3	6740.0	6667.1
12.5°	7444.2	8380.3	9157.4	9560.0	9449.0	8784.6	7939.6	7006.8	6600.9	6496.5
15°	7497.2	8386.9	9076.2	9492.1	9563.3	8991.7	8078.8	7068.1	6572.7	6461.7
17.5°	7831.9	8512.9	8960.2	9296.5	9546.7	9273.4	8474.8	7361.4	6824.5	6687.0
20°	8531.1	8814.4	9026.5	9286.6	9689.2	9848.3	9285.0	8166.6	7532.0	7411.1
22.5°	10555.8	10504.4	10070.3	10065.3	10648.5	11286.4	11248.3	9803.5	8849.2	8749.8
25°	11314.6	11076.0	10448.1	10295.6	10552.4	11536.6	11394.1	10138.2	9256.8	9014.9
27.5°	11018.0	10426.5	10014.0	9979.2	9894.7	10824.2	11167.1	10274.1	9399.3	9164.0
30°	10999.8	10129.9	9540.1	9609.7	9690.9	10578.9	11293.0	10699.9	9763.8	9511.9
32.5°	11044.5	10171.4	9574.9	9588.2	9830.1	10615.4	11432.2	11163.8	10242.6	9990.8
35°	11225.1	10406.6	9796.9	9765.4	10143.2	10854.0	11669.1	11892.8	10897.1	10610.4
37.5°	11516.7	10875.5	10202.8	10194.6	10743.0	11284.8	11964.1	12628.5	11548.2	11240.0
40°	11945.8	11423.9	10925.2	10880.5	11558.1	11985.6	12346.8	13412.1	12305.4	11909.4
42.5°	12464.4	12081.7	11877.9	12055.2	12706.3	12772.6	12943.3	14136.2	12949.9	12489.3
45°	12944.9	12926.7	13210.0	13680.6	14060.0	13662.3	13566.2	14621.6	13450.3	12949.9
47.5°	13516.5	14010.3	14865.2	15554.4	15952.1	14697.9	14098.1	14938.1	13814.8	13354.2
50°	14096.4	15307.6	16672.8	17633.8	17718.3	15822.9	14464.2	15236.3	14146.1	13667.3
52.5°	14706.1	16343.1	18160.7	19277.4	19113.3	16802.1	14818.8	15438.5	14487.4	14066.6
55°	15236.3	16977.7	18992.4	20064.4	19824.1	17398.5	15201.5	15657.2	14974.6	14620.0
57.5°	15532.9	17030.7	18785.3	19721.4	19461.3	17282.5	15377.2	15819.5	15286.0	15007.7
58°	15576.0	16959.5	18601.4	19522.6	19257.5	17184.8	15375.5	15812.9	15305.9	15025.9
60°	15537.9	16497.2	17917.1	18737.2	18458.9	16571.7	15312.5	15688.7	15054.1	14817.2
62.5°	15185.0	15695.3	16735.8	17332.2	17252.7	15614.1	15054.1	15219.8	14287.0	14058.3
65°	14721.1	14601.8	15223.1	15645.6	15705.2	14896.7	14797.3	14205.8	13302.8	12979.7
67.5°	14157.7	13362.4	13360.8	13601.0	13700.4	13793.2	14262.1	13104.0	11884.5	11543.2
70°	13201.7	11452.1	10925.2	11208.5	11125.7	11909.4	13306.1	11556.5	10174.7	9775.4
72.5°	11448.8	9087.8	8244.5	8609.0	8400.2	9339.6	11642.6	9510.3	8413.5	7923.0
75°	9280.0	6798.0	5928.2	6262.9	6133.6	7084.7	9687.6	6907.4	6034.2	5847.0
77.5°	7205.6	4925.8	4420.5	4374.1	4470.2	5272.1	7106.2	4664.0	3978.1	3850.5
80°	4629.2	3525.8	3555.6	3495.9	3545.6	3323.6	4314.4	2975.7	2694.0	2591.3
82.5°	3046.9	2457.1	2929.3	2704.0	2568.1	2235.1	2829.9	1948.4	1653.5	1597.2
85°	2076.0	1809.3	1646.9	1259.2	1482.9	1721.5	2122.4	1048.8	831.7	753.9
87.5°	937.8	629.6	462.3	285.0	450.7	520.2	1030.6	122.6	94.4	97.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)