

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: P648551

Luminaire Tested: **GALN-SA7B-835-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648551
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-835-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 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: 26749.6 lumens
Efficiency: N/A
Efficacy: 93.5 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

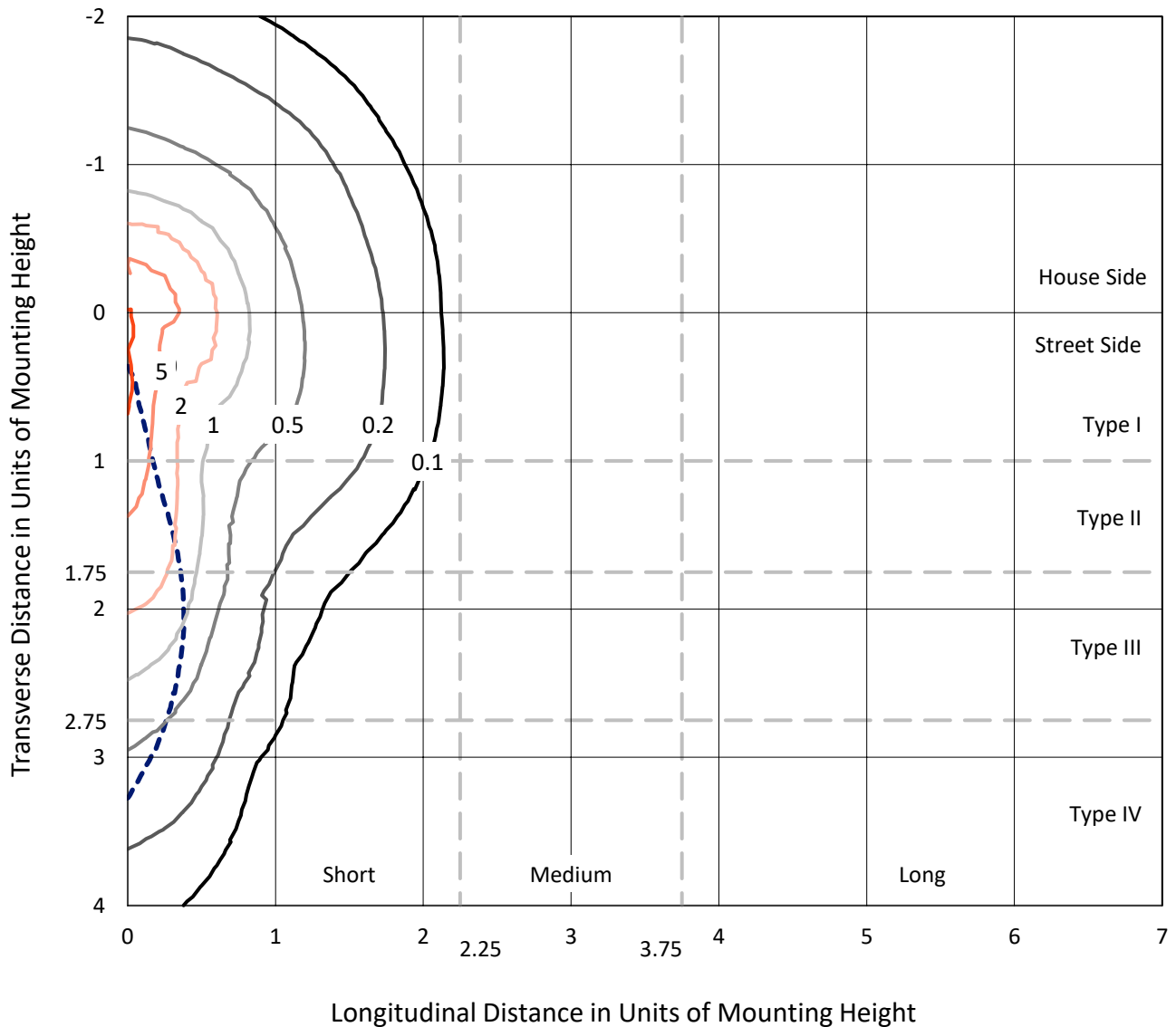




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Iso-Footcandle Lines of Horizontal Illumination

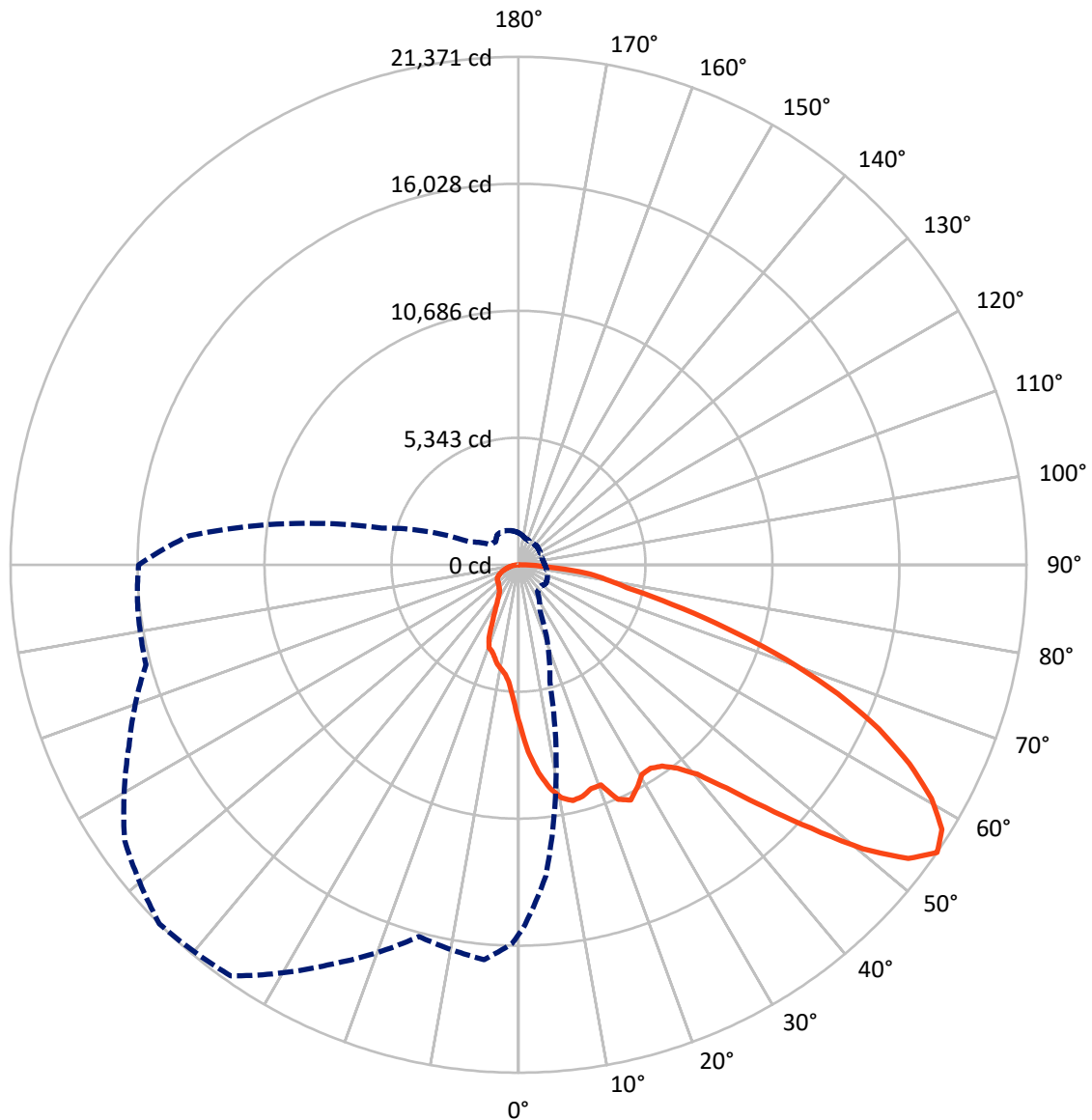
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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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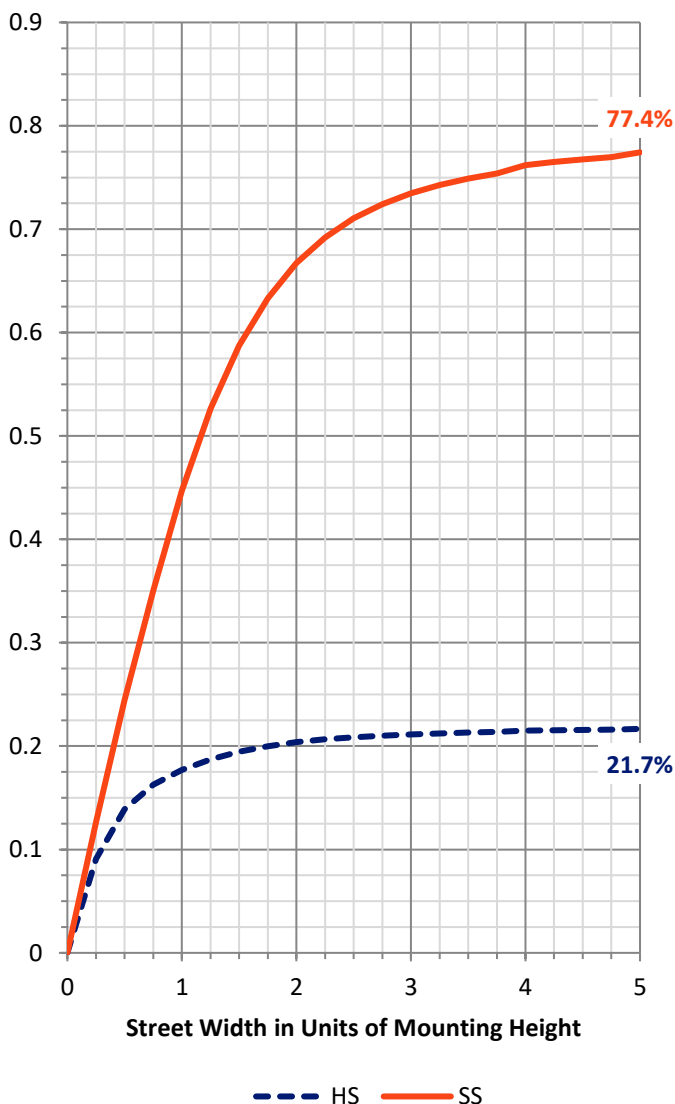
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5851.4	0.0	5851.4
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	20898.3	0.0	20898.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	26749.6	0.0	26749.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.0	2.1
10°-20°	1509.5	5.6
20°-30°	2607.7	9.7
30°-40°	3030.5	11.3
40°-50°	4228.2	15.8
50°-60°	5737.2	21.4
60°-70°	5458.2	20.4
70°-80°	2948.7	11.0
80°-90°	660.8	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°	26749.6	100.0
0°-180°	26749.6	100.0

Coefficient of Utilization

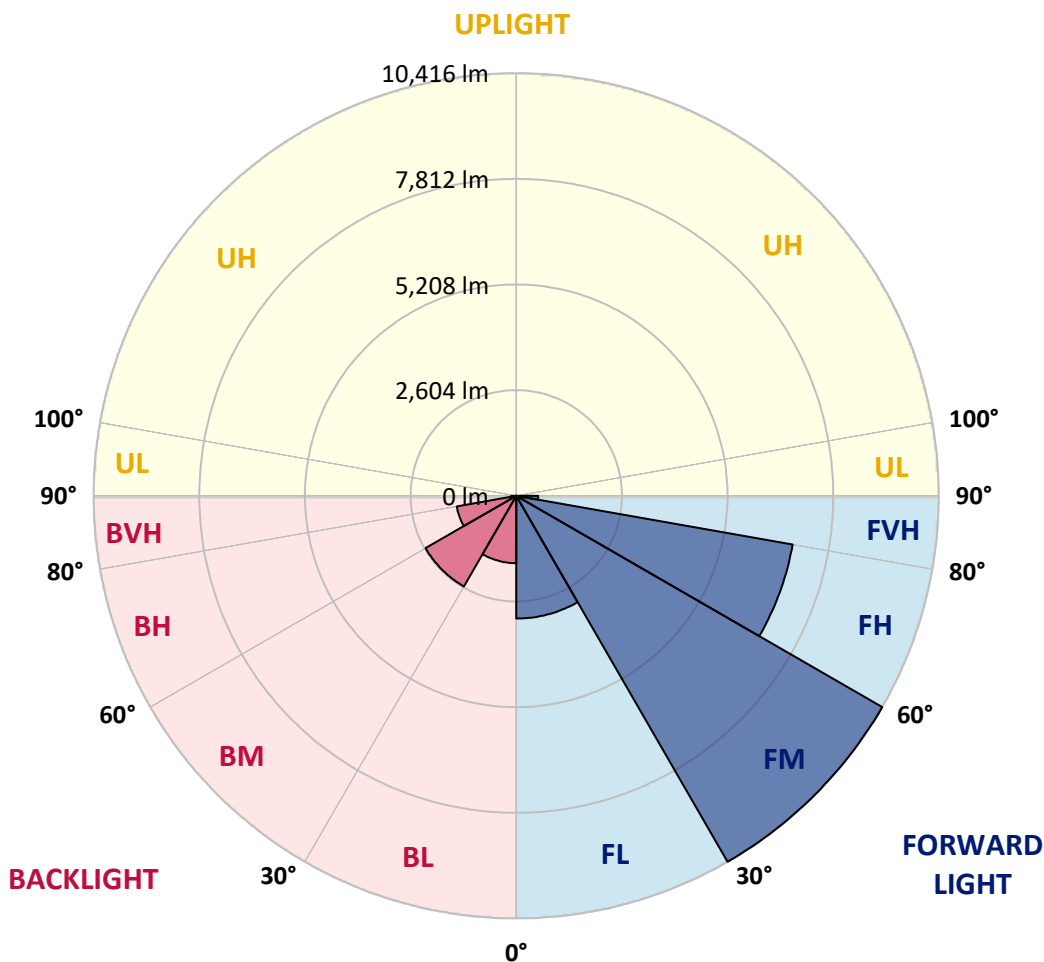


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3025.4	11.3			
FM (30°-60°)	10415.7	38.9			
FH (60°-80°)	6917.0	25.9			G3/7500
FVH (80°-90°)	540.1	2.0			G4/750
BL (0°-30°)	1660.6	6.2	B3/2500		
BM (30°-60°)	2580.1	9.6	B3/5000		
BH (60°-80°)	1489.9	5.6	B3/2500		G3/2500
BVH (80°-90°)	120.8	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°	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1
2.5°	7457.8	7429.6	7350.2	7142.0	6932.0	6718.4	6554.3	6349.6	6136.1	6021.3	5874.8
5°	7560.2	7528.4	7341.3	6871.9	6446.6	6000.1	5643.7	5331.3	5204.3	5017.2	4867.2
7.5°	7320.2	7306.1	7025.5	6351.3	5769.0	5184.9	4780.7	4530.1	4302.4	4217.8	4235.4
10°	7101.3	7044.9	6693.7	5813.1	5133.7	4658.9	4369.5	4124.2	3963.6	3921.3	3930.1
12.5°	6919.6	6843.7	6429.0	5451.3	4856.6	4477.2	4108.3	3852.4	3705.9	3746.6	3884.2
15°	6882.5	6780.2	6317.8	5327.8	4704.8	4216.0	3811.9	3517.2	3407.8	3495.9	3716.6
17.5°	7122.6	6993.7	6508.4	5368.4	4560.1	3949.5	3453.7	3116.6	3024.8	3166.0	3453.7
20°	7893.7	7703.2	7103.1	5603.1	4546.0	3817.1	3245.4	2906.6	2945.3	3213.6	3513.6
22.5°	9319.7	9033.8	8144.3	5945.5	4620.1	3783.6	3203.0	3026.5	3240.1	3467.8	3665.4
25°	9602.0	9377.9	8331.4	6023.1	4604.2	3760.7	3323.1	3411.3	3649.5	3762.5	3693.6
27.5°	9760.8	9504.9	8319.1	5638.4	4117.2	3411.3	3176.6	3323.1	3383.0	3273.6	3086.6
30°	10131.5	9864.9	8529.1	5234.3	3390.1	2530.7	2218.3	2158.3	2198.9	2220.0	2153.0
32.5°	10641.4	10378.5	8924.3	4969.5	2931.2	2093.0	1785.9	1701.2	1681.8	1658.9	1632.4
35°	11301.4	10897.3	9312.6	4800.1	2742.5	1936.0	1653.5	1588.2	1561.8	1530.1	1501.8
37.5°	11972.1	11548.5	9803.2	4621.9	2617.1	1826.5	1565.3	1535.3	1489.4	1455.9	1415.4
40°	12685.0	12210.3	10249.7	4466.5	2495.3	1756.0	1501.8	1498.3	1438.3	1399.5	1351.8
42.5°	13302.7	12813.9	10648.5	4371.3	2401.9	1681.8	1463.0	1473.6	1411.8	1353.6	1291.8
45°	13793.3	13313.3	11017.4	4371.3	2326.0	1607.7	1455.9	1448.9	1387.1	1314.7	1244.2
47.5°	14223.9	13728.0	11377.4	4482.4	2278.3	1546.0	1417.1	1429.4	1365.9	1274.2	1205.4
50°	14557.5	14119.8	11862.7	4655.4	2230.6	1496.5	1367.7	1434.8	1348.2	1253.0	1173.6
52.5°	14982.7	14591.0	12446.8	4891.9	2190.1	1441.8	1323.6	1434.8	1346.5	1254.8	1168.2
55°	15572.1	15159.2	13151.0	5087.8	2124.7	1390.6	1284.7	1394.1	1341.2	1245.9	1154.1
57.5°	15985.1	15676.3	13648.6	5218.4	2031.3	1325.3	1249.4	1355.3	1318.3	1212.4	1111.8
58°	16004.5	15702.8	13720.9	5248.4	2008.3	1313.0	1240.6	1337.7	1307.7	1198.3	1097.7
60°	15782.1	15522.7	13735.1	5206.0	1877.7	1251.2	1194.7	1265.3	1251.2	1115.3	1021.8
62.5°	14973.9	14696.8	13165.0	4861.9	1704.7	1175.4	1124.2	1168.2	1136.5	998.9	912.4
65°	13825.0	13315.1	11993.2	4321.8	1581.2	1094.2	1028.9	1032.4	998.9	900.1	824.1
67.5°	12295.1	11725.0	10154.4	3642.4	1487.7	1004.1	915.9	907.1	866.5	803.0	741.2
70°	10412.0	10022.0	8252.0	2963.0	1383.6	905.3	788.9	783.5	758.8	711.2	656.5
72.5°	8439.0	7943.1	6663.7	2371.9	1256.5	810.0	670.6	681.2	649.4	615.9	566.5
75°	6227.8	5903.1	5151.3	1902.4	1085.3	705.9	559.5	563.0	548.8	513.6	474.7
77.5°	4101.3	4004.2	3684.8	1249.4	834.8	561.2	457.0	460.6	450.0	418.3	377.6
80°	2760.1	2694.8	2497.1	804.7	557.7	405.9	353.0	356.5	354.7	321.2	266.5
82.5°	1701.2	1673.0	1609.5	543.6	386.5	291.2	232.9	243.5	262.9	225.9	181.7
85°	803.0	804.7	972.4	296.4	227.6	187.1	127.1	135.9	135.9	135.9	102.3
87.5°	104.1	109.4	134.1	125.3	82.9	70.6	45.9	38.8	33.5	44.1	31.8
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°	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1
2.5°	5823.6	5788.4	5712.5	5694.8	5684.3	5714.3	5634.9	5656.0	5620.8	5719.6	5703.7
5°	4876.0	4879.5	4941.3	4981.9	4996.0	4981.9	4929.0	4837.2	4766.6	4738.3	4745.4
7.5°	4201.9	4263.7	4369.5	4487.8	4595.4	4627.1	4597.1	4422.5	4231.9	4111.8	4073.0
10°	3977.7	4060.7	4182.5	4276.0	4371.3	4447.2	4463.0	4327.2	4101.3	3817.1	3705.9
12.5°	3990.1	4103.1	4219.5	4249.5	4240.7	4270.7	4256.5	4233.6	4085.4	3723.6	3538.3
15°	3873.7	4007.8	4088.9	4073.0	4044.8	4018.4	3981.2	3923.1	3870.1	3616.0	3411.3
17.5°	3605.4	3743.1	3810.1	3815.4	3815.4	3808.4	3718.3	3697.2	3690.1	3566.6	3441.3
20°	3654.8	3730.7	3700.7	3651.3	3665.4	3713.1	3660.1	3649.5	3690.1	3744.8	3721.8
22.5°	3683.0	3656.5	3430.7	3211.9	3162.5	3310.7	3340.7	3458.9	3623.0	3820.6	3949.5
25°	3508.3	3294.8	2890.7	2643.6	2504.2	2641.8	2821.9	3040.7	3285.9	3540.1	3690.1
27.5°	2933.0	2770.6	2481.2	2258.9	2137.1	2158.3	2311.8	2511.2	2738.9	2910.1	3019.5
30°	2209.5	2137.1	1987.1	1911.2	1837.1	1819.5	1884.8	1960.6	2061.2	2082.4	2110.7
32.5°	1627.1	1616.5	1625.4	1600.6	1586.5	1584.7	1565.3	1583.0	1593.6	1605.9	1581.2
35°	1471.8	1457.7	1433.0	1425.9	1417.1	1420.6	1411.8	1403.0	1410.0	1420.6	1427.7
37.5°	1392.4	1371.2	1336.0	1323.6	1323.6	1328.8	1314.7	1311.2	1323.6	1357.1	1374.7
40°	1330.6	1305.9	1265.3	1249.4	1260.0	1274.2	1254.8	1247.7	1277.7	1313.0	1341.2
42.5°	1272.4	1253.0	1214.1	1196.5	1205.4	1231.8	1203.5	1198.3	1237.1	1275.9	1309.4
45°	1223.0	1203.5	1168.2	1159.5	1163.0	1187.7	1168.2	1168.2	1205.4	1247.7	1277.7
47.5°	1184.1	1159.5	1136.5	1129.5	1133.0	1147.1	1143.6	1143.6	1178.9	1223.0	1253.0
50°	1145.3	1124.2	1094.2	1097.7	1106.5	1125.9	1124.2	1129.5	1164.7	1219.4	1251.2
52.5°	1127.7	1095.9	1062.4	1065.9	1092.4	1115.3	1108.3	1113.6	1154.1	1256.5	1302.4
55°	1108.3	1065.9	1027.1	1032.4	1062.4	1095.9	1087.1	1094.2	1141.8	1281.2	1344.7
57.5°	1071.2	1021.8	979.5	983.0	1027.1	1062.4	1048.3	1057.0	1113.6	1254.8	1321.8
58°	1055.3	1013.0	972.4	974.1	1016.5	1055.3	1039.4	1046.5	1104.7	1247.7	1311.2
60°	988.2	963.6	928.2	930.0	970.6	1004.1	995.3	1002.4	1058.9	1196.5	1244.2
62.5°	896.5	882.4	873.5	873.5	898.3	930.0	938.8	947.7	998.9	1081.8	1124.2
65°	797.6	797.6	799.4	799.4	815.3	855.9	861.2	884.2	931.8	972.4	1004.1
67.5°	730.6	727.1	730.6	721.8	728.8	753.6	780.0	801.2	850.6	878.8	889.4
70°	644.1	642.4	644.1	631.8	640.6	661.8	679.4	714.7	765.9	787.1	792.4
72.5°	559.5	559.5	563.0	554.1	554.1	577.1	589.4	628.3	675.9	688.3	690.0
75°	471.2	476.5	476.5	464.2	467.7	481.8	497.7	529.4	573.5	582.4	582.4
77.5°	374.1	393.5	393.5	381.2	386.5	388.2	409.4	425.3	458.8	462.4	448.3
80°	271.8	291.2	307.1	296.4	305.3	294.7	307.1	317.7	351.2	335.3	312.3
82.5°	194.1	208.3	220.6	222.4	213.5	194.1	210.0	211.8	227.6	206.5	194.1
85°	107.7	120.0	135.9	128.8	114.7	102.3	107.7	111.2	109.4	104.1	97.1
87.5°	28.3	30.0	33.5	24.7	22.9	19.4	26.5	26.5	30.0	31.8	30.0
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°	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1
2.5°	5716.1	5793.7	5961.3	6088.4	6243.7	6432.5	6654.9	6879.0	7120.8	7196.6	7302.6
5°	4729.6	4923.7	5004.9	5236.0	5465.4	5809.5	6176.6	6601.9	7067.8	7291.9	7507.2
7.5°	4041.3	4145.4	4230.1	4399.5	4674.8	5093.1	5553.7	6084.8	6744.8	7071.4	7387.2
10°	3670.7	3681.3	3785.4	3995.4	4235.4	4604.2	5040.1	5634.9	6370.7	6767.8	7138.5
12.5°	3425.4	3379.5	3492.4	3711.3	3983.0	4323.6	4724.2	5290.7	6100.7	6508.4	6956.6
15°	3210.1	3137.7	3222.4	3446.5	3714.8	4115.4	4546.0	5146.0	5994.9	6469.5	6967.2
17.5°	3215.4	3016.0	3045.9	3234.8	3501.3	3908.9	4431.3	5140.7	6155.5	6702.6	7291.9
20°	3612.4	3293.1	3157.1	3192.4	3450.1	3894.8	4484.2	5387.8	6683.1	7480.8	8110.8
22.5°	4002.5	3810.1	3591.2	3518.9	3660.1	4126.0	4821.3	5971.9	7830.2	9032.0	10170.2
25°	3866.5	4030.7	3976.0	3873.7	3905.4	4291.9	5050.7	6451.9	8721.4	10074.9	11144.4
27.5°	3093.6	3391.9	3451.9	3450.1	3462.4	3780.1	4542.5	6129.0	8832.6	10274.4	11296.2
30°	2174.2	2200.6	2232.4	2294.2	2350.6	2634.8	3554.2	5380.7	8783.1	10364.4	11388.0
32.5°	1568.9	1604.1	1648.3	1733.0	1867.1	2228.9	3109.5	5142.5	9044.4	10736.7	11656.2
35°	1434.8	1475.3	1517.7	1614.8	1741.8	2077.1	2933.0	5043.7	9473.2	11340.3	12138.0
37.5°	1392.4	1438.3	1475.3	1546.0	1648.3	1967.7	2772.4	4976.6	9912.6	11979.1	12783.9
40°	1362.4	1415.4	1445.3	1501.8	1572.4	1867.1	2629.5	4923.7	10337.9	12563.2	13302.7
42.5°	1336.0	1390.6	1429.4	1470.0	1528.3	1777.1	2502.4	4870.7	10706.7	13129.7	13819.8
45°	1304.2	1373.0	1422.4	1454.2	1505.3	1701.2	2405.4	4828.4	11126.7	13632.7	14342.1
47.5°	1277.7	1353.6	1415.4	1452.4	1471.8	1648.3	2327.7	4886.6	11631.5	14158.6	14827.4
50°	1279.4	1351.8	1429.4	1487.7	1436.5	1604.1	2280.1	5117.8	12287.9	14783.4	15210.4
52.5°	1336.0	1424.1	1485.9	1500.1	1387.1	1551.2	2255.4	5521.9	13064.4	15335.7	15596.9
55°	1399.5	1491.2	1558.2	1549.5	1360.6	1484.2	2250.0	5952.5	13915.1	15979.9	16099.8
57.5°	1376.5	1510.6	1613.0	1567.1	1362.4	1418.9	2227.1	6300.2	14626.3	16461.6	16597.5
58°	1369.5	1503.6	1620.0	1563.6	1357.1	1399.5	2221.8	6330.2	14725.1	16495.1	16668.0
60°	1300.6	1441.8	1614.8	1537.1	1327.1	1346.5	2163.6	6427.3	14698.6	16322.2	16710.4
62.5°	1175.4	1291.8	1492.9	1408.3	1235.3	1275.9	2033.0	6307.2	13982.1	15489.2	16091.0
65°	1034.1	1120.6	1254.8	1238.9	1104.7	1203.5	1854.8	5832.5	12547.3	14137.5	14771.0
67.5°	928.2	998.9	1083.6	1060.7	993.5	1106.5	1662.4	5029.5	10938.0	12513.8	13311.5
70°	820.6	875.3	917.7	901.8	880.6	1011.2	1491.2	4081.9	9395.5	10971.5	11744.5
72.5°	711.2	762.4	797.6	774.7	762.4	910.6	1351.8	3167.7	7420.8	9051.4	10045.0
75°	594.7	645.9	670.6	644.1	637.0	803.0	1145.3	2366.5	5567.8	6977.9	7835.5
77.5°	460.6	515.3	547.1	538.2	541.8	660.0	924.7	1620.0	3981.2	4756.0	5659.5
80°	323.0	383.0	404.1	395.3	420.0	502.9	652.9	1028.9	2746.0	3086.6	3723.6
82.5°	199.4	255.9	259.4	268.3	285.9	372.4	492.4	626.5	1724.2	1782.4	2244.8
85°	100.6	121.8	130.6	144.7	160.6	227.6	280.6	388.2	1110.1	840.0	1254.8
87.5°	33.5	35.3	42.4	52.9	65.3	93.6	120.0	158.8	275.3	151.7	388.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1	6713.1
2.5°	7516.1	7666.0	7775.5	7876.1	7779.0	7770.2	7674.9	7521.3	7457.8	7457.8
5°	7959.0	8310.2	8594.4	8776.1	8698.4	8511.4	8202.6	7809.0	7597.2	7560.2
7.5°	8080.8	8774.4	9302.0	9489.1	9358.5	8945.5	8354.3	7690.8	7387.2	7320.2
10°	8006.6	8908.4	9683.2	9979.6	9797.9	9173.2	8366.7	7553.1	7179.0	7101.3
12.5°	7929.0	8926.1	9753.8	10182.6	10064.4	9356.7	8456.7	7463.2	7030.8	6919.6
15°	7985.5	8933.2	9667.3	10110.3	10186.1	9577.3	8604.9	7528.4	7000.8	6882.5
17.5°	8342.0	9067.3	9543.8	9902.1	10168.5	9877.3	9026.7	7840.8	7269.0	7122.6
20°	9086.7	9388.5	9614.4	9891.4	10320.3	10489.7	9889.7	8698.4	8022.5	7893.7
22.5°	11243.3	11188.5	10726.2	10720.8	11342.1	12021.5	11980.9	10442.0	9425.5	9319.7
25°	12051.5	11797.4	11128.5	10966.1	11239.7	12287.9	12136.2	10798.5	9859.7	9602.0
27.5°	11735.6	11105.6	10666.2	10629.1	10539.1	11529.1	11894.4	10943.2	10011.4	9760.8
30°	11716.2	10789.7	10161.5	10235.5	10322.1	11267.9	12028.5	11396.7	10399.6	10131.5
32.5°	11763.8	10833.8	10198.5	10212.6	10470.3	11306.8	12176.7	11890.9	10909.7	10641.4
35°	11956.2	11084.4	10435.0	10401.5	10803.8	11560.9	12429.1	12667.4	11606.8	11301.4
37.5°	12266.8	11583.9	10867.3	10858.5	11442.6	12019.8	12743.2	13450.9	12300.3	11972.1
40°	12723.8	12168.0	11636.8	11589.1	12310.9	12766.2	13151.0	14285.7	13106.8	12685.0
42.5°	13276.2	12868.5	12651.5	12840.3	13533.8	13604.5	13786.2	15056.9	13793.3	13302.7
45°	13788.0	13768.6	14070.4	14571.6	14975.7	14552.1	14449.8	15573.9	14326.2	13793.3
47.5°	14396.9	14922.7	15833.4	16567.5	16991.0	15655.1	15016.3	15911.0	14714.5	14223.9
50°	15014.5	16304.6	17758.7	18782.2	18872.3	16853.4	15406.3	16228.6	15067.4	14557.5
52.5°	15663.9	17407.5	19343.5	20532.8	20358.2	17896.3	15783.9	16443.9	15431.0	14982.7
55°	16228.6	18083.4	20229.4	21371.1	21115.2	18531.7	16191.6	16676.9	15949.8	15572.1
57.5°	16544.6	18139.8	20008.8	21005.9	20728.8	18408.1	16378.6	16849.8	16281.6	15985.1
58°	16590.4	18064.0	19812.9	20794.1	20511.7	18304.0	16376.9	16842.8	16302.8	16004.5
60°	16549.8	17571.6	19084.0	19957.6	19661.1	17651.0	16309.8	16710.4	16034.5	15782.1
62.5°	16174.0	16717.5	17825.8	18461.0	18376.4	16631.0	16034.5	16211.0	15217.4	14973.9
65°	15679.8	15552.7	16214.5	16664.5	16728.1	15866.9	15761.0	15131.0	14169.2	13825.0
67.5°	15079.8	14232.7	14230.9	14486.8	14592.7	14691.6	15191.0	13957.4	12658.5	12295.1
70°	14061.5	12198.0	11636.8	11938.6	11850.3	12685.0	14172.7	12309.2	10837.3	10412.0
72.5°	12194.4	9679.7	8781.4	9169.6	8947.3	9947.9	12400.9	10129.7	8961.4	8439.0
75°	9884.4	7240.8	6314.3	6670.8	6533.1	7546.1	10318.5	7357.2	6427.3	6227.8
77.5°	7674.9	5246.6	4708.3	4658.9	4761.3	5615.4	7569.0	4967.7	4237.2	4101.3
80°	4930.7	3755.4	3787.1	3723.6	3776.6	3540.1	4595.4	3169.5	2869.5	2760.1
82.5°	3245.4	2617.1	3120.1	2880.1	2735.3	2380.6	3014.2	2075.3	1761.2	1701.2
85°	2211.3	1927.1	1754.2	1341.2	1579.5	1833.6	2260.7	1117.1	885.9	803.0
87.5°	998.9	670.6	492.4	303.6	480.0	554.1	1097.7	130.6	100.6	104.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)