

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: P455802

Luminaire Tested: **GALN-SA7A-730-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455802  
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-SA7A-730-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 615mA 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: 25005 lumens  
Efficiency: N/A  
Efficacy: 116.3 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

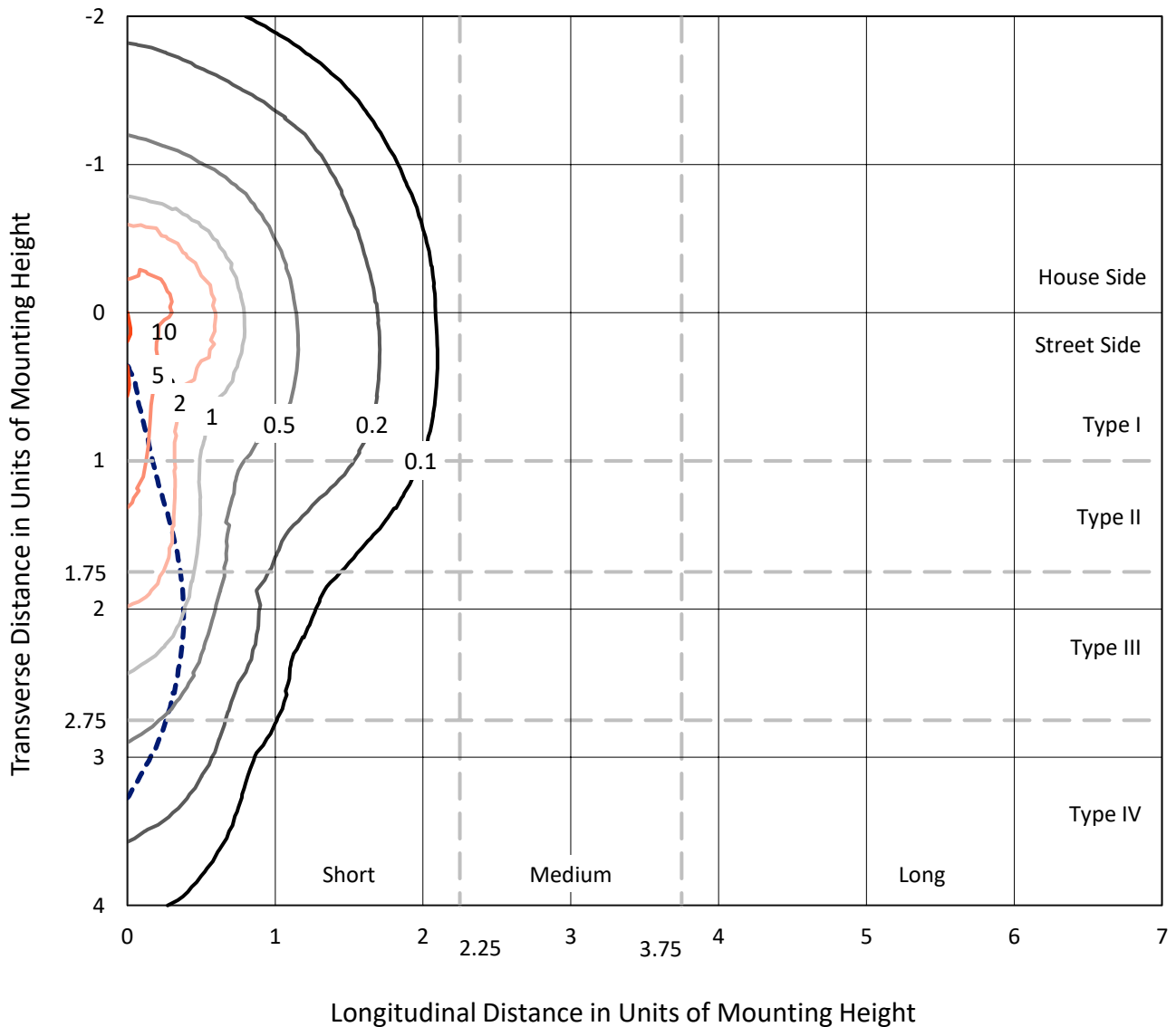
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

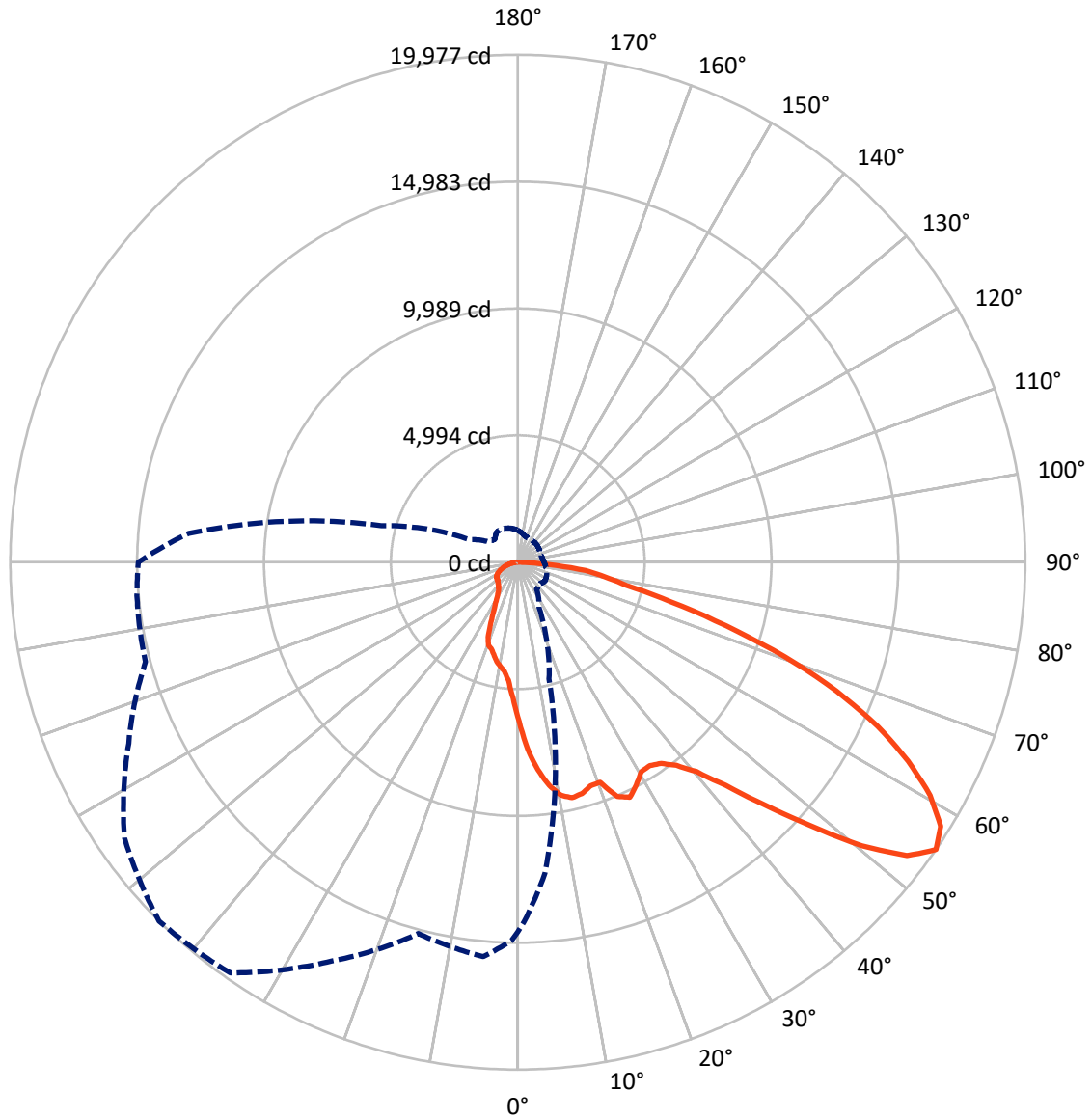
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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
<b>House Side</b>	Lumens	5469.7	0.0	5469.7
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	19535.3	0.0	19535.3
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	25005.0	0.0	25005.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	531.9	2.1
10°-20°	1411.0	5.6
20°-30°	2437.6	9.7
30°-40°	2832.9	11.3
40°-50°	3952.4	15.8
50°-60°	5363.0	21.4
60°-70°	5102.2	20.4
70°-80°	2756.4	11.0
80°-90°	617.7	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°	25005.0	100.0
0°-180°	25005.0	100.0

**Coefficient of Utilization**



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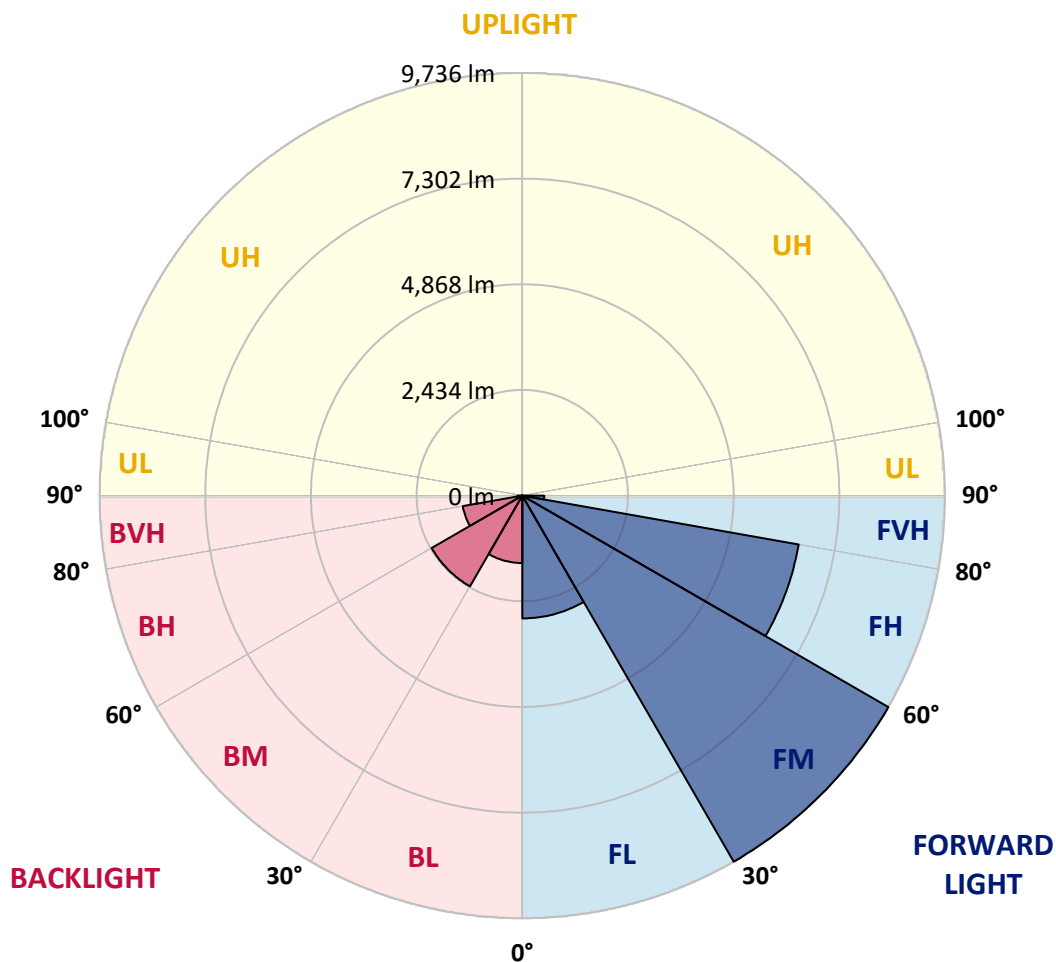
CATALOG NUMBER: GALN-SA7A-730-U-SLR

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2828.1	11.3			
FM	(30°-60°)	9736.4	38.9			
FH	(60°-80°)	6465.9	25.9			G3/7500
FVH	(80°-90°)	504.9	2.0			G4/750
BL	(0°-30°)	1552.3	6.2	B3/2500		
BM	(30°-60°)	2411.8	9.6	B2/2500		
BH	(60°-80°)	1392.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	112.9	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°	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3
2.5°	6971.4	6945.0	6870.8	6676.1	6479.8	6280.2	6126.8	5935.4	5735.8	5628.6	5491.7
5°	7067.1	7037.4	6862.6	6423.7	6026.2	5608.8	5275.6	4983.6	4864.8	4690.0	4549.7
7.5°	6842.8	6829.6	6567.3	5937.1	5392.7	4846.7	4468.9	4234.7	4021.9	3942.7	3959.2
10°	6638.2	6585.4	6257.1	5434.0	4798.8	4355.1	4084.5	3855.2	3705.1	3665.5	3673.8
12.5°	6468.3	6397.4	6009.7	5095.8	4539.8	4185.2	3840.4	3601.2	3464.3	3502.2	3630.9
15°	6433.6	6338.0	5905.8	4980.3	4398.0	3941.0	3563.2	3287.8	3185.5	3268.0	3474.2
17.5°	6658.0	6537.6	6083.9	5018.2	4262.7	3691.9	3228.4	2913.3	2827.5	2959.5	3228.4
20°	7378.9	7200.7	6639.9	5237.6	4249.5	3568.2	3033.7	2717.0	2753.3	3004.0	3284.5
22.5°	8711.8	8444.6	7613.1	5557.7	4318.8	3536.9	2994.1	2829.2	3028.8	3241.6	3426.3
25°	8975.8	8766.3	7788.0	5630.3	4303.9	3515.4	3106.3	3188.8	3411.5	3517.1	3452.7
27.5°	9124.2	8885.0	7776.5	5270.6	3848.6	3188.8	2969.4	3106.3	3162.4	3060.1	2885.2
30°	9470.7	9221.6	7972.8	4892.9	3169.0	2365.6	2073.6	2017.5	2055.5	2075.3	2012.6
32.5°	9947.4	9701.6	8342.3	4645.4	2740.1	1956.5	1669.4	1590.3	1572.1	1550.7	1525.9
35°	10564.4	10186.6	8705.2	4487.1	2563.6	1809.7	1545.7	1484.7	1459.9	1430.2	1403.9
37.5°	11191.2	10795.3	9163.8	4320.4	2446.4	1707.4	1463.2	1435.2	1392.3	1361.0	1323.0
40°	11857.7	11413.9	9581.2	4175.3	2332.6	1641.4	1403.9	1400.6	1344.5	1308.2	1263.6
42.5°	12435.1	11978.1	9954.0	4086.2	2245.2	1572.1	1367.6	1377.5	1319.7	1265.3	1207.5
45°	12893.7	12445.0	10298.8	4086.2	2174.2	1502.8	1361.0	1354.4	1296.6	1229.0	1163.0
47.5°	13296.2	12832.6	10635.3	4190.1	2129.7	1445.1	1324.7	1336.2	1276.8	1191.0	1126.7
50°	13608.0	13198.9	11089.0	4351.8	2085.2	1398.9	1278.5	1341.2	1260.3	1171.3	1097.0
52.5°	14005.6	13639.3	11635.0	4572.8	2047.2	1347.8	1237.2	1341.2	1258.7	1172.9	1092.1
55°	14556.5	14170.5	12293.2	4755.9	1986.2	1299.9	1200.9	1303.2	1253.7	1164.7	1078.9
57.5°	14942.6	14653.9	12758.4	4878.0	1898.8	1238.9	1168.0	1266.9	1232.3	1133.3	1039.3
58°	14960.7	14678.6	12826.0	4906.1	1877.3	1227.3	1159.7	1250.4	1222.4	1120.1	1026.1
60°	14752.8	14510.3	12839.2	4866.5	1755.2	1169.6	1116.8	1182.8	1169.6	1042.6	955.1
62.5°	13997.3	13738.3	12306.4	4544.8	1593.6	1098.7	1050.8	1092.1	1062.4	933.7	852.9
65°	12923.4	12446.6	11211.0	4040.0	1478.1	1022.8	961.7	965.0	933.7	841.3	770.4
67.5°	11493.1	10960.3	9492.1	3404.9	1390.7	938.7	856.2	847.9	810.0	750.6	692.9
70°	9732.9	9368.4	7713.8	2769.8	1293.3	846.3	737.4	732.4	709.4	664.8	613.7
72.5°	7888.6	7425.1	6229.1	2217.1	1174.6	757.2	626.9	636.8	607.1	575.7	529.5
75°	5821.6	5518.1	4815.3	1778.3	1014.5	659.9	522.9	526.2	513.0	480.0	443.8
77.5°	3833.8	3743.1	3444.5	1168.0	780.3	524.6	427.3	430.6	420.7	391.0	353.0
80°	2580.1	2519.0	2334.3	752.2	521.3	379.4	329.9	333.2	331.6	300.2	249.1
82.5°	1590.3	1563.9	1504.5	508.1	361.3	272.2	217.8	227.7	245.8	211.2	169.9
85°	750.6	752.2	909.0	277.1	212.8	174.9	118.8	127.0	127.0	127.0	95.7
87.5°	97.3	102.3	125.4	117.1	77.5	66.0	42.9	36.3	31.3	41.2	29.7
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°	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3
2.5°	5443.9	5410.9	5339.9	5323.4	5313.5	5341.6	5267.3	5287.1	5254.1	5346.5	5331.7
5°	4558.0	4561.3	4619.0	4657.0	4670.2	4657.0	4607.5	4521.7	4455.7	4429.3	4435.9
7.5°	3927.8	3985.6	4084.5	4195.1	4295.7	4325.4	4297.3	4134.0	3955.9	3843.7	3807.4
10°	3718.3	3795.9	3909.7	3997.1	4086.2	4157.1	4172.0	4044.9	3833.8	3568.2	3464.3
12.5°	3729.9	3835.4	3944.3	3972.4	3964.1	3992.2	3979.0	3957.5	3818.9	3480.8	3307.6
15°	3621.0	3746.4	3822.2	3807.4	3781.0	3756.3	3721.6	3667.2	3617.7	3380.1	3188.8
17.5°	3370.2	3498.9	3561.6	3566.5	3566.5	3560.0	3475.8	3456.0	3449.4	3333.9	3216.8
20°	3416.4	3487.4	3459.3	3413.1	3426.3	3470.9	3421.4	3411.5	3449.4	3500.6	3479.1
22.5°	3442.8	3418.1	3206.9	3002.4	2956.2	3094.7	3122.8	3233.3	3386.7	3571.5	3691.9
25°	3279.5	3079.9	2702.1	2471.2	2340.9	2469.5	2637.8	2842.4	3071.7	3309.2	3449.4
27.5°	2741.7	2590.0	2319.4	2111.6	1997.7	2017.5	2161.0	2347.5	2560.3	2720.3	2822.6
30°	2065.4	1997.7	1857.5	1786.6	1717.3	1700.8	1761.8	1832.8	1926.8	1946.6	1973.0
32.5°	1521.0	1511.1	1519.3	1496.2	1483.0	1481.4	1463.2	1479.7	1489.6	1501.2	1478.1
35°	1375.8	1362.6	1339.5	1332.9	1324.7	1328.0	1319.7	1311.5	1318.1	1328.0	1334.6
37.5°	1301.6	1281.8	1248.8	1237.2	1237.2	1242.2	1229.0	1225.7	1237.2	1268.6	1285.1
40°	1243.8	1220.7	1182.8	1168.0	1177.9	1191.0	1172.9	1166.3	1194.3	1227.3	1253.7
42.5°	1189.4	1171.3	1135.0	1118.5	1126.7	1151.5	1125.1	1120.1	1156.4	1192.7	1224.0
45°	1143.2	1125.1	1092.1	1083.8	1087.1	1110.2	1092.1	1092.1	1126.7	1166.3	1194.3
47.5°	1106.9	1083.8	1062.4	1055.8	1059.1	1072.3	1069.0	1069.0	1102.0	1143.2	1171.3
50°	1070.6	1050.8	1022.8	1026.1	1034.3	1052.5	1050.8	1055.8	1088.8	1139.9	1169.6
52.5°	1054.1	1024.4	993.1	996.4	1021.1	1042.6	1036.0	1040.9	1078.9	1174.6	1217.4
55°	1036.0	996.4	960.1	965.0	993.1	1024.4	1016.2	1022.8	1067.3	1197.6	1257.0
57.5°	1001.3	955.1	915.6	918.9	960.1	993.1	979.9	988.1	1040.9	1172.9	1235.6
58°	986.5	946.9	909.0	910.6	950.2	986.5	971.6	978.2	1032.7	1166.3	1225.7
60°	923.8	900.7	867.7	869.4	907.3	938.7	930.4	937.0	989.8	1118.5	1163.0
62.5°	838.0	824.8	816.6	816.6	839.7	869.4	877.6	885.9	933.7	1011.2	1050.8
65°	745.6	745.6	747.3	747.3	762.1	800.1	805.0	826.5	871.0	909.0	938.7
67.5°	683.0	679.7	683.0	674.7	681.3	704.4	729.1	748.9	795.1	821.5	831.4
70°	602.1	600.5	602.1	590.6	598.8	618.6	635.1	668.1	715.9	735.7	740.7
72.5°	522.9	522.9	526.2	518.0	518.0	539.4	551.0	587.3	631.8	643.4	645.0
75°	440.5	445.4	445.4	433.9	437.2	450.4	465.2	494.9	536.1	544.4	544.4
77.5°	349.7	367.9	367.9	356.3	361.3	362.9	382.7	397.6	428.9	432.2	419.0
80°	254.0	272.2	287.0	277.1	285.4	275.5	287.0	296.9	328.3	313.4	292.0
82.5°	181.5	194.7	206.2	207.9	199.6	181.5	196.3	198.0	212.8	193.0	181.5
85°	100.6	112.2	127.0	120.4	107.2	95.7	100.6	103.9	102.3	97.3	90.7
87.5°	26.4	28.0	31.3	23.1	21.4	18.1	24.7	24.7	28.0	29.7	28.0
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°	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3
2.5°	5343.2	5415.8	5572.5	5691.3	5836.5	6013.0	6220.8	6430.3	6656.3	6727.3	6826.3
5°	4421.1	4602.5	4678.4	4894.5	5109.0	5430.7	5773.8	6171.4	6606.9	6816.4	7017.6
7.5°	3777.7	3875.0	3954.2	4112.6	4369.9	4760.9	5191.5	5688.0	6305.0	6610.2	6905.4
10°	3431.3	3441.2	3538.5	3734.8	3959.2	4303.9	4711.4	5267.3	5955.2	6326.4	6672.8
12.5°	3202.0	3159.1	3264.7	3469.2	3723.3	4041.6	4416.1	4945.7	5702.8	6083.9	6502.9
15°	3000.7	2933.1	3012.3	3221.8	3472.5	3847.0	4249.5	4810.4	5603.9	6047.6	6512.8
17.5°	3005.7	2819.3	2847.3	3023.8	3272.9	3654.0	4142.3	4805.4	5754.0	6265.4	6816.4
20°	3376.8	3078.3	2951.2	2984.2	3225.1	3640.8	4191.8	5036.4	6247.2	6992.9	7581.8
22.5°	3741.4	3561.6	3357.0	3289.4	3421.4	3856.9	4506.9	5582.4	7319.5	8442.9	9506.9
25°	3614.4	3767.8	3716.7	3621.0	3650.7	4012.0	4721.3	6031.1	8152.6	9417.9	10417.6
27.5°	2891.8	3170.6	3226.7	3225.1	3236.6	3533.6	4246.2	5729.2	8256.5	9604.3	10559.4
30°	2032.4	2057.1	2086.8	2144.5	2197.3	2462.9	3322.4	5029.8	8210.3	9688.4	10645.2
32.5°	1466.5	1499.5	1540.8	1620.0	1745.3	2083.5	2906.7	4807.1	8454.5	10036.5	10896.0
35°	1341.2	1379.1	1418.7	1509.4	1628.2	1941.6	2741.7	4714.7	8855.3	10600.7	11346.3
37.5°	1301.6	1344.5	1379.1	1445.1	1540.8	1839.4	2591.6	4652.0	9266.1	11197.8	11950.1
40°	1273.5	1323.0	1351.1	1403.9	1469.8	1745.3	2458.0	4602.5	9663.7	11743.9	12435.1
42.5°	1248.8	1299.9	1336.2	1374.2	1428.6	1661.2	2339.2	4553.0	10008.4	12273.4	12918.4
45°	1219.1	1283.4	1329.6	1359.3	1407.2	1590.3	2248.5	4513.4	10401.1	12743.6	13406.7
47.5°	1194.3	1265.3	1323.0	1357.7	1375.8	1540.8	2175.9	4567.9	10872.9	13235.2	13860.4
50°	1196.0	1263.6	1336.2	1390.7	1342.8	1499.5	2131.4	4784.0	11486.5	13819.1	14218.4
52.5°	1248.8	1331.3	1389.0	1402.2	1296.6	1450.0	2108.3	5161.8	12212.4	14335.5	14579.6
55°	1308.2	1394.0	1456.6	1448.4	1271.9	1387.4	2103.3	5564.3	13007.5	14937.6	15049.8
57.5°	1286.7	1412.1	1507.8	1464.9	1273.5	1326.3	2081.9	5889.3	13672.3	15388.0	15515.0
58°	1280.1	1405.5	1514.4	1461.6	1268.6	1308.2	2076.9	5917.3	13764.7	15419.3	15581.0
60°	1215.8	1347.8	1509.4	1436.8	1240.5	1258.7	2022.5	6008.0	13740.0	15257.6	15620.6
62.5°	1098.7	1207.5	1395.6	1316.4	1154.8	1192.7	1900.4	5895.9	13070.2	14479.0	15041.5
65°	966.7	1047.5	1172.9	1158.1	1032.7	1125.1	1733.8	5452.1	11729.0	13215.4	13807.6
67.5°	867.7	933.7	1012.9	991.4	928.8	1034.3	1554.0	4701.5	10224.5	11697.7	12443.3
70°	767.1	818.2	857.8	843.0	823.2	945.3	1394.0	3815.6	8782.8	10255.9	10978.4
72.5°	664.8	712.6	745.6	724.2	712.6	851.2	1263.6	2961.1	6936.8	8461.1	9389.8
75°	555.9	603.8	626.9	602.1	595.5	750.6	1070.6	2212.2	5204.7	6522.7	7324.5
77.5°	430.6	481.7	511.4	503.1	506.4	617.0	864.4	1514.4	3721.6	4445.8	5290.4
80°	301.9	358.0	377.8	369.5	392.6	470.2	610.4	961.7	2566.9	2885.2	3480.8
82.5°	186.4	239.2	242.5	250.7	267.2	348.1	460.3	585.6	1611.7	1666.1	2098.4
85°	94.0	113.8	122.1	135.3	150.1	212.8	262.3	362.9	1037.6	785.2	1172.9
87.5°	31.3	33.0	39.6	49.5	61.0	87.4	112.2	148.5	257.3	141.9	362.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P455802

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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3	6275.3
2.5°	7025.9	7166.1	7268.4	7362.4	7271.7	7263.4	7174.3	7030.8	6971.4	6971.4
5°	7439.9	7768.2	8033.8	8203.7	8131.1	7956.3	7667.6	7299.7	7101.8	7067.1
7.5°	7553.8	8202.1	8695.3	8870.2	8748.1	8362.1	7809.5	7189.2	6905.4	6842.8
10°	7484.5	8327.4	9051.6	9328.8	9158.9	8574.9	7821.0	7060.5	6710.8	6638.2
12.5°	7411.9	8343.9	9117.6	9518.5	9408.0	8746.5	7905.1	6976.4	6572.2	6468.3
15°	7464.7	8350.5	9036.8	9450.9	9521.8	8952.7	8043.7	7037.4	6544.2	6433.6
17.5°	7797.9	8475.9	8921.3	9256.2	9505.3	9233.1	8438.0	7329.4	6794.9	6658.0
20°	8494.1	8776.2	8987.3	9246.3	9647.2	9805.5	9244.7	8131.1	7499.3	7378.9
22.5°	10509.9	10458.8	10026.6	10021.6	10602.3	11237.4	11199.5	9761.0	8810.8	8711.8
25°	11265.5	11027.9	10402.7	10250.9	10506.6	11486.5	11344.7	10094.2	9216.6	8975.8
27.5°	10970.2	10381.3	9970.5	9935.9	9851.7	10777.2	11118.7	10229.5	9358.5	9124.2
30°	10952.0	10086.0	9498.7	9568.0	9648.8	10533.0	11244.0	10653.5	9721.4	9470.7
32.5°	10996.6	10127.2	9533.3	9546.5	9787.4	10569.3	11382.6	11115.4	10198.2	9947.4
35°	11176.4	10361.5	9754.4	9723.1	10099.2	10806.9	11618.5	11841.2	10849.8	10564.4
37.5°	11466.7	10828.3	10158.6	10150.3	10696.3	11235.8	11912.1	12573.7	11498.1	11191.2
40°	11894.0	11374.4	10877.8	10833.3	11508.0	11933.6	12293.2	13353.9	12252.0	11857.7
42.5°	12410.3	12029.3	11826.4	12002.9	12651.2	12717.2	12887.1	14074.8	12893.7	12435.1
45°	12888.7	12870.6	13152.7	13621.2	13999.0	13603.0	13507.4	14558.2	13391.9	12893.7
47.5°	13457.9	13949.5	14800.7	15486.9	15882.9	14634.1	14036.9	14873.3	13754.8	13296.2
50°	14035.2	15241.1	16600.5	17557.3	17641.4	15754.2	14401.5	15170.2	14084.7	13608.0
52.5°	14642.3	16272.2	18081.8	19193.7	19030.4	16729.1	14754.5	15371.5	14424.6	14005.6
55°	15170.2	16904.0	18910.0	19977.3	19738.1	17323.0	15135.6	15589.2	14909.6	14556.5
57.5°	15465.5	16956.8	18703.8	19635.8	19376.8	17207.5	15310.4	15750.9	15219.7	14942.6
58°	15508.4	16885.8	18520.6	19437.9	19173.9	17110.2	15308.8	15744.3	15239.5	14960.7
60°	15470.4	16425.6	17839.3	18655.9	18378.8	16499.8	15246.1	15620.6	14988.7	14752.8
62.5°	15119.1	15627.2	16663.1	17257.0	17177.8	15546.3	14988.7	15153.7	14225.0	13997.3
65°	14657.2	14538.4	15157.0	15577.7	15637.1	14832.0	14733.0	14144.1	13245.1	12923.4
67.5°	14096.3	13304.4	13302.8	13542.0	13641.0	13733.4	14200.2	13047.1	11833.0	11493.1
70°	13144.4	11402.4	10877.8	11159.9	11077.4	11857.7	13248.4	11506.3	10130.5	9732.9
72.5°	11399.1	9048.3	8208.7	8571.6	8363.7	9299.1	11592.1	9469.0	8376.9	7888.6
75°	9239.7	6768.5	5902.5	6235.7	6107.0	7053.9	9645.5	6877.4	6008.0	5821.6
77.5°	7174.3	4904.4	4401.3	4355.1	4450.8	5249.2	7075.4	4643.8	3960.8	3833.8
80°	4609.1	3510.5	3540.2	3480.8	3530.3	3309.2	4295.7	2962.8	2682.3	2580.1
82.5°	3033.7	2446.4	2916.6	2692.2	2557.0	2225.4	2817.6	1940.0	1646.4	1590.3
85°	2067.0	1801.4	1639.8	1253.7	1476.4	1714.0	2113.2	1044.2	828.1	750.6
87.5°	933.7	626.9	460.3	283.7	448.7	518.0	1026.1	122.1	94.0	97.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)