

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: P454555

Luminaire Tested: **GALN-SA5C-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454555
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-SA5C-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA 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: 24116 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 269
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

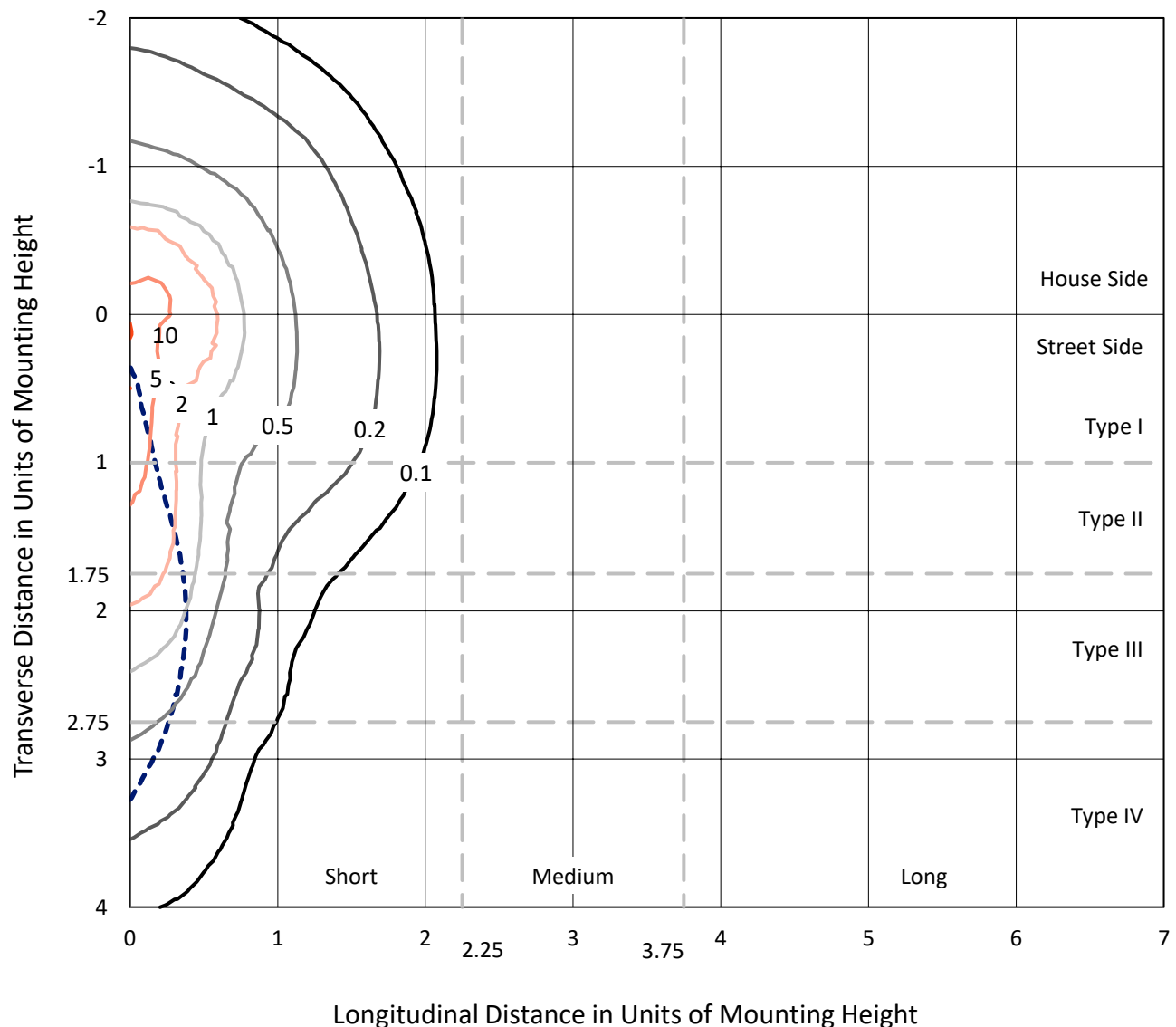


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



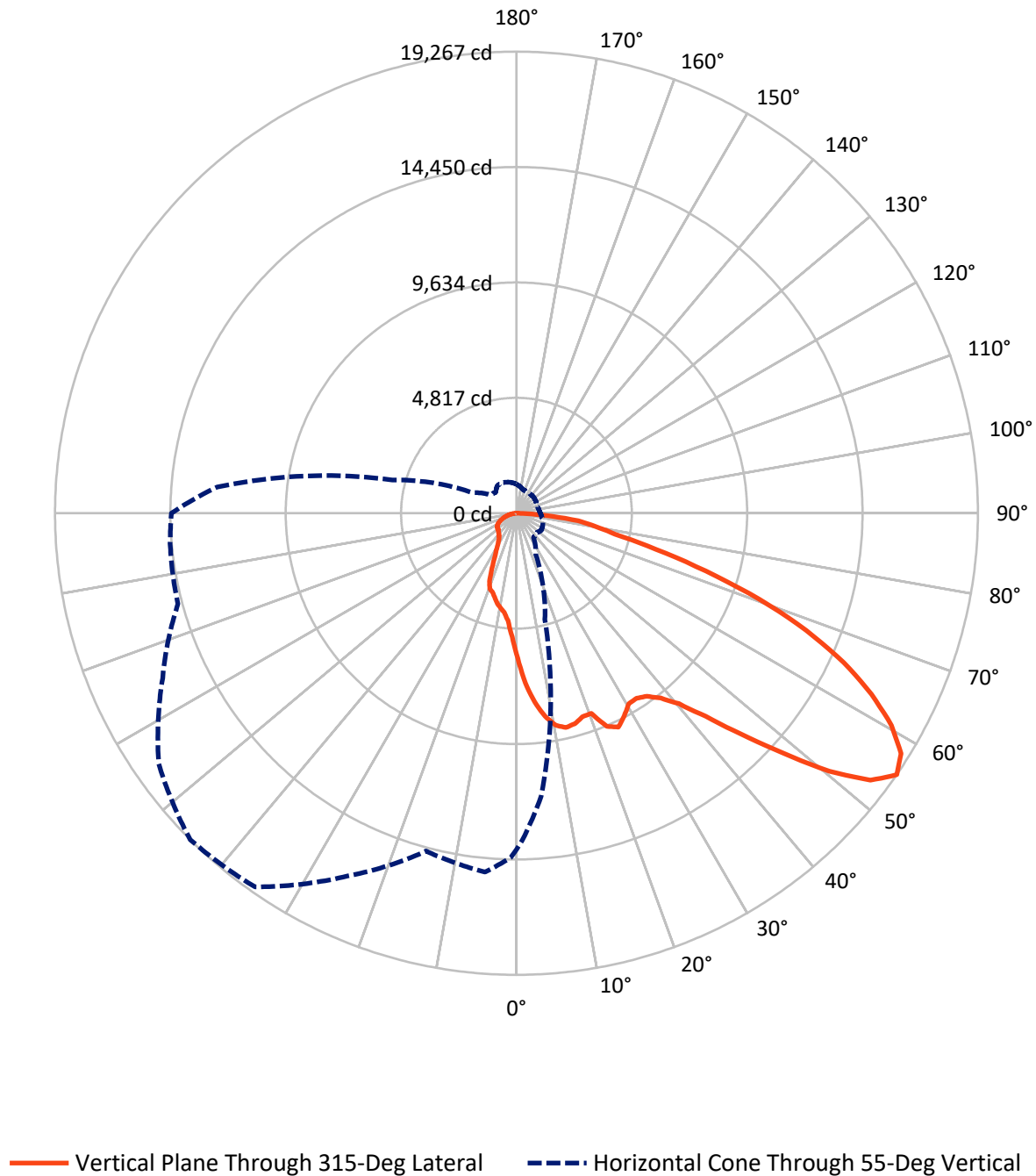
Based on 25 foot mounting height. Maximum calculated value = 10.4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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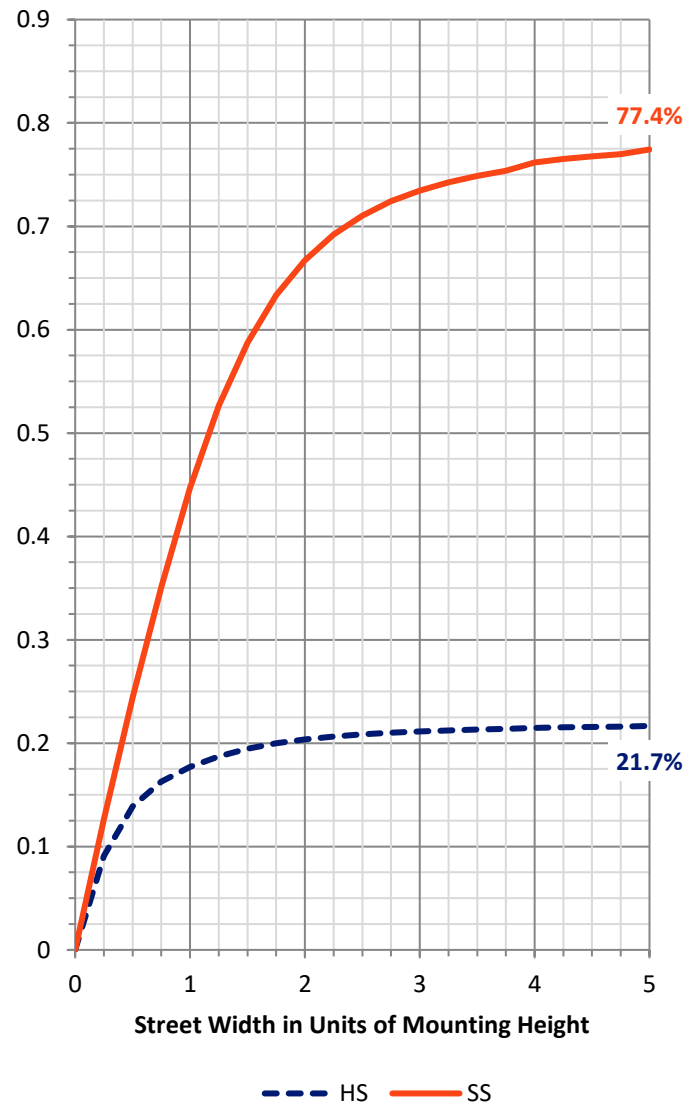
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5275.3	0.0	5275.3
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	18840.7	0.0	18840.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	24116.0	0.0	24116.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.9	2.1
10°-20°	1360.8	5.6
20°-30°	2350.9	9.7
30°-40°	2732.1	11.3
40°-50°	3811.9	15.8
50°-60°	5172.3	21.4
60°-70°	4920.8	20.4
70°-80°	2658.4	11.0
80°-90°	595.8	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°	24116.0	100.0
0°-180°	24116.0	100.0

Coefficient of Utilization



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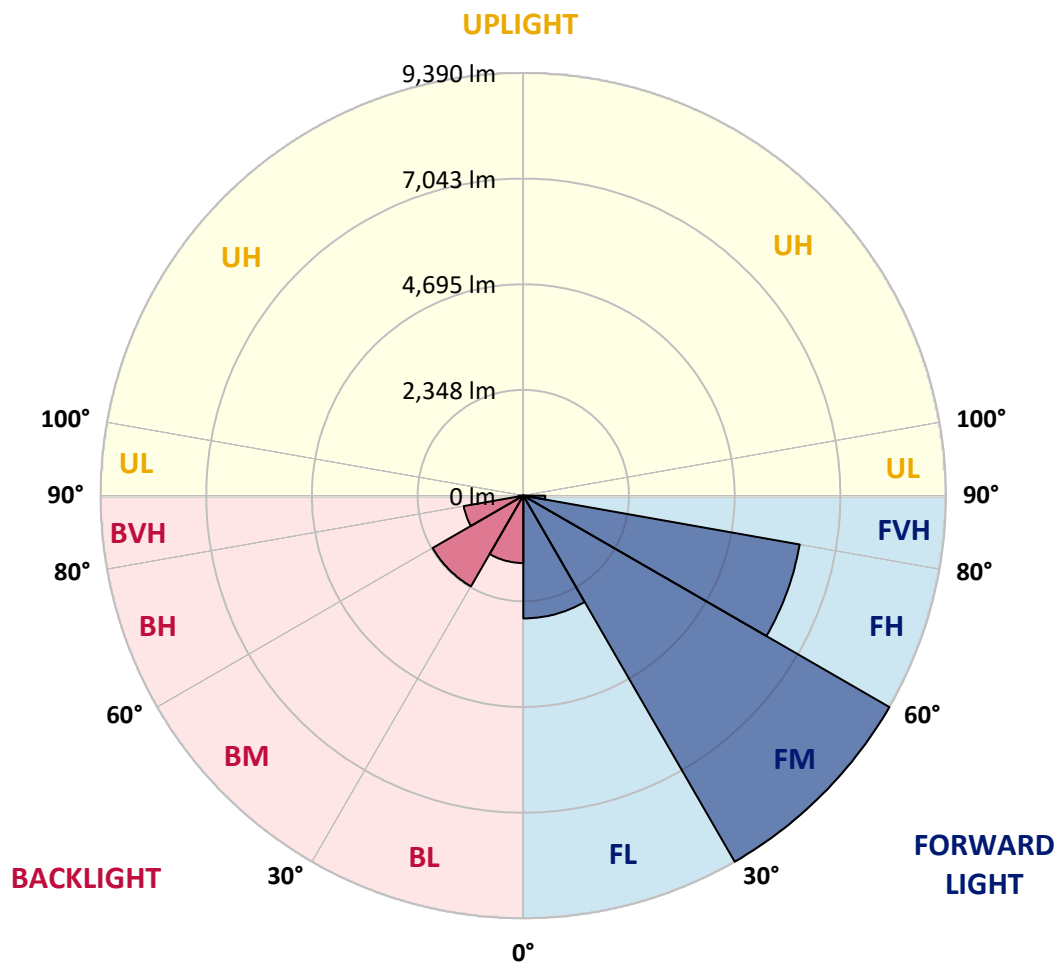
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2727.6	11.3			
FM	(30°-60°)	9390.3	38.9			
FH	(60°-80°)	6236.0	25.9			G3/7500
FVH	(80°-90°)	486.9	2.0			G3/500
BL	(0°-30°)	1497.1	6.2	B3/2500		
BM	(30°-60°)	2326.1	9.6	B2/2500		
BH	(60°-80°)	1343.2	5.6	B3/2500		G3/2500
BVH	(80°-90°)	108.9	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2
2.5°	6723.6	6698.1	6626.5	6438.8	6249.5	6056.9	5909.0	5724.4	5531.9	5428.5	5296.4
5°	6815.9	6787.2	6618.6	6195.4	5811.9	5409.4	5088.0	4806.4	4691.9	4523.2	4388.0
7.5°	6599.5	6586.8	6333.8	5726.0	5201.0	4674.4	4310.0	4084.1	3878.9	3802.5	3818.4
10°	6402.2	6351.3	6034.7	5240.8	4628.2	4200.2	3939.3	3718.2	3573.4	3535.2	3543.2
12.5°	6238.3	6169.9	5796.0	4914.6	4378.4	4036.4	3703.9	3473.2	3341.1	3377.7	3501.8
15°	6204.9	6112.6	5695.8	4803.2	4241.6	3800.9	3436.6	3170.9	3072.2	3151.8	3350.7
17.5°	6421.3	6305.1	5867.6	4839.8	4111.2	3560.7	3113.6	2809.7	2727.0	2854.3	3113.6
20°	7116.6	6944.7	6403.8	5051.4	4098.4	3441.3	2925.9	2620.4	2655.4	2897.2	3167.7
22.5°	8402.1	8144.3	7342.5	5360.1	4165.2	3411.1	2887.7	2728.6	2921.1	3126.3	3304.5
25°	8656.6	8454.6	7511.1	5430.1	4150.9	3390.4	2995.9	3075.4	3290.2	3392.0	3330.0
27.5°	8799.8	8569.1	7500.0	5083.3	3711.8	3075.4	2863.8	2995.9	3050.0	2951.3	2782.7
30°	9133.9	8893.7	7689.3	4718.9	3056.3	2281.5	1999.9	1945.8	1982.4	2001.5	1941.0
32.5°	9593.7	9356.7	8045.7	4480.3	2642.7	1886.9	1610.1	1533.7	1516.2	1495.5	1471.7
35°	10188.8	9824.4	8395.7	4327.5	2472.4	1745.3	1490.8	1431.9	1408.0	1379.4	1353.9
37.5°	10793.4	10411.5	8838.0	4166.8	2359.5	1646.7	1411.2	1384.2	1342.8	1312.6	1276.0
40°	11436.1	11008.1	9240.5	4026.8	2249.7	1583.0	1353.9	1350.8	1296.7	1261.7	1218.7
42.5°	11993.0	11552.3	9600.1	3940.9	2165.4	1516.2	1318.9	1328.5	1272.8	1220.3	1164.6
45°	12435.3	12002.5	9932.6	3940.9	2096.9	1449.4	1312.6	1306.2	1250.5	1185.3	1121.7
47.5°	12823.5	12376.4	10257.2	4041.1	2054.0	1393.7	1277.6	1288.7	1231.4	1148.7	1086.7
50°	13124.2	12729.6	10694.7	4197.1	2011.0	1349.2	1233.0	1293.5	1215.5	1129.6	1058.0
52.5°	13507.6	13154.4	11221.3	4410.3	1974.4	1299.8	1193.3	1293.5	1213.9	1131.2	1053.2
55°	14039.0	13666.7	11856.2	4586.9	1915.6	1253.7	1158.2	1256.9	1209.2	1123.2	1040.5
57.5°	14411.3	14132.9	12304.8	4704.6	1831.2	1194.8	1126.4	1221.9	1188.5	1093.0	1002.3
58°	14428.8	14156.7	12370.0	4731.6	1810.6	1183.7	1118.5	1206.0	1178.9	1080.3	989.6
60°	14228.3	13994.5	12382.8	4693.5	1692.8	1128.0	1077.1	1140.7	1128.0	1005.5	921.2
62.5°	13499.7	13249.9	11868.9	4383.2	1536.9	1059.6	1013.5	1053.2	1024.6	900.5	822.5
65°	12463.9	12004.1	10812.5	3896.4	1425.5	986.4	927.6	930.7	900.5	811.4	743.0
67.5°	11084.5	10570.6	9154.6	3283.8	1341.2	905.3	825.7	817.8	781.2	723.9	668.2
70°	9386.9	9035.3	7439.5	2671.3	1247.3	816.2	711.2	706.4	684.1	641.2	591.9
72.5°	7608.2	7161.1	6007.6	2138.3	1132.8	730.3	604.6	614.1	585.5	555.3	510.7
75°	5614.6	5321.9	4644.1	1715.1	978.5	636.4	504.3	507.5	494.8	463.0	428.0
77.5°	3697.5	3610.0	3322.0	1126.4	752.5	505.9	412.1	415.3	405.7	377.1	340.5
80°	2488.3	2429.5	2251.3	725.5	502.8	365.9	318.2	321.4	319.8	289.6	240.2
82.5°	1533.7	1508.3	1451.0	490.0	348.4	262.5	210.0	219.6	237.1	203.6	163.9
85°	723.9	725.5	876.6	267.3	205.2	168.6	114.6	122.5	122.5	122.5	92.3
87.5°	93.9	98.6	120.9	113.0	74.8	63.6	41.4	35.0	30.2	39.8	28.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2
2.5°	5250.3	5218.5	5150.1	5134.2	5124.6	5151.7	5080.1	5099.2	5067.3	5156.4	5142.1
5°	4395.9	4399.1	4454.8	4491.4	4504.1	4491.4	4443.7	4360.9	4297.3	4271.8	4278.2
7.5°	3788.2	3843.9	3939.3	4045.9	4143.0	4171.6	4144.6	3987.1	3815.2	3707.0	3672.0
10°	3586.1	3660.9	3770.7	3855.0	3940.9	4009.3	4023.6	3901.1	3697.5	3441.3	3341.1
12.5°	3597.3	3699.1	3804.1	3831.1	3823.2	3850.2	3837.5	3816.8	3683.2	3357.0	3190.0
15°	3492.3	3613.2	3686.4	3672.0	3646.6	3622.7	3589.3	3536.8	3489.1	3260.0	3075.4
17.5°	3250.4	3374.5	3435.0	3439.7	3439.7	3433.4	3352.2	3333.2	3326.8	3215.4	3102.5
20°	3295.0	3363.4	3336.3	3291.8	3304.5	3347.5	3299.7	3290.2	3326.8	3376.1	3355.4
22.5°	3320.4	3296.6	3092.9	2895.6	2851.1	2984.7	3011.8	3118.4	3266.3	3444.5	3560.7
25°	3162.9	2970.4	2606.1	2383.3	2257.6	2381.7	2544.0	2741.3	2962.4	3191.6	3326.8
27.5°	2644.2	2497.9	2236.9	2036.5	1926.7	1945.8	2084.2	2264.0	2469.2	2623.6	2722.2
30°	1991.9	1926.7	1791.5	1723.1	1656.2	1640.3	1699.2	1767.6	1858.3	1877.4	1902.8
32.5°	1466.9	1457.4	1465.3	1443.0	1430.3	1428.7	1411.2	1427.1	1436.7	1447.8	1425.5
35°	1326.9	1314.2	1291.9	1285.5	1277.6	1280.8	1272.8	1264.8	1271.2	1280.8	1287.1
37.5°	1255.3	1236.2	1204.4	1193.3	1193.3	1198.0	1185.3	1182.1	1193.3	1223.5	1239.4
40°	1199.6	1177.3	1140.7	1126.4	1136.0	1148.7	1131.2	1124.8	1151.9	1183.7	1209.2
42.5°	1147.1	1129.6	1094.6	1078.7	1086.7	1110.5	1085.1	1080.3	1115.3	1150.3	1180.5
45°	1102.6	1085.1	1053.2	1045.3	1048.5	1070.7	1053.2	1053.2	1086.7	1124.8	1151.9
47.5°	1067.6	1045.3	1024.6	1018.2	1021.4	1034.2	1031.0	1031.0	1062.8	1102.6	1129.6
50°	1032.6	1013.5	986.4	989.6	997.6	1015.1	1013.5	1018.2	1050.1	1099.4	1128.0
52.5°	1016.7	988.0	957.8	961.0	984.8	1005.5	999.1	1003.9	1040.5	1132.8	1174.2
55°	999.1	961.0	926.0	930.7	957.8	988.0	980.1	986.4	1029.4	1155.1	1212.3
57.5°	965.7	921.2	883.0	886.2	926.0	957.8	945.1	953.0	1003.9	1131.2	1191.7
58°	951.4	913.2	876.6	878.2	916.4	951.4	937.1	943.5	996.0	1124.8	1182.1
60°	891.0	868.7	836.9	838.5	875.1	905.3	897.3	903.7	954.6	1078.7	1121.7
62.5°	808.2	795.5	787.5	787.5	809.8	838.5	846.4	854.4	900.5	975.3	1013.5
65°	719.1	719.1	720.7	720.7	735.0	771.6	776.4	797.1	840.0	876.6	905.3
67.5°	658.7	655.5	658.7	650.7	657.1	679.4	703.2	722.3	766.9	792.3	801.9
70°	580.7	579.1	580.7	569.6	577.5	596.6	612.5	644.4	690.5	709.6	714.4
72.5°	504.3	504.3	507.5	499.6	499.6	520.3	531.4	566.4	609.4	620.5	622.1
75°	424.8	429.6	429.6	418.4	421.6	434.3	448.7	477.3	517.1	525.0	525.0
77.5°	337.3	354.8	354.8	343.7	348.4	350.0	369.1	383.4	413.7	416.8	404.1
80°	245.0	262.5	276.8	267.3	275.2	265.7	276.8	286.4	316.6	302.3	281.6
82.5°	175.0	187.7	198.9	200.5	192.5	175.0	189.3	190.9	205.2	186.1	175.0
85°	97.1	108.2	122.5	116.1	103.4	92.3	97.1	100.2	98.6	93.9	87.5
87.5°	25.5	27.0	30.2	22.3	20.7	17.5	23.9	23.9	27.0	28.6	27.0
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°	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2
2.5°	5153.3	5223.3	5374.4	5489.0	5629.0	5799.2	5999.7	6201.7	6419.7	6488.1	6583.6
5°	4263.9	4438.9	4512.1	4720.5	4927.3	5237.6	5568.5	5951.9	6372.0	6574.0	6768.1
7.5°	3643.4	3737.3	3813.6	3966.4	4214.6	4591.6	5006.9	5485.8	6080.8	6375.1	6659.9
10°	3309.3	3318.8	3412.7	3602.0	3818.4	4150.9	4543.9	5080.1	5743.5	6101.5	6435.6
12.5°	3088.1	3046.8	3148.6	3345.9	3590.9	3898.0	4259.1	4769.8	5500.1	5867.6	6271.7
15°	2894.0	2828.8	2905.2	3107.2	3349.1	3710.2	4098.4	4639.4	5404.6	5832.6	6281.3
17.5°	2898.8	2719.0	2746.1	2916.3	3156.5	3524.1	3995.0	4634.6	5549.4	6042.6	6574.0
20°	3256.8	2968.8	2846.3	2878.1	3110.4	3511.3	4042.7	4857.3	6025.1	6744.3	7312.2
22.5°	3608.4	3435.0	3237.7	3172.5	3299.7	3719.8	4346.6	5384.0	7059.3	8142.8	9168.9
25°	3485.9	3633.8	3584.5	3492.3	3520.9	3869.3	4553.4	5816.7	7862.7	9083.0	10047.2
27.5°	2789.0	3057.9	3112.0	3110.4	3121.5	3407.9	4095.2	5525.6	7963.0	9262.8	10184.0
30°	1960.1	1984.0	2012.6	2068.3	2119.2	2375.4	3204.3	4851.0	7918.4	9344.0	10266.7
32.5°	1414.4	1446.2	1486.0	1562.4	1683.3	2009.4	2803.3	4636.2	8153.9	9679.7	10508.6
35°	1293.5	1330.1	1368.3	1455.8	1570.3	1872.6	2644.2	4547.1	8540.5	10223.8	10942.9
37.5°	1255.3	1296.7	1330.1	1393.7	1486.0	1774.0	2499.5	4486.6	8936.7	10799.7	11525.2
40°	1228.3	1276.0	1303.0	1353.9	1417.6	1683.3	2370.6	4438.9	9320.1	11326.3	11993.0
42.5°	1204.4	1253.7	1288.7	1325.3	1377.8	1602.1	2256.0	4391.2	9652.6	11837.1	12459.1
45°	1175.8	1237.8	1282.3	1311.0	1357.1	1533.7	2168.5	4353.0	10031.3	12290.5	12930.1
47.5°	1151.9	1220.3	1276.0	1309.4	1326.9	1486.0	2098.5	4405.5	10486.3	12764.6	13367.6
50°	1153.5	1218.7	1288.7	1341.2	1295.1	1446.2	2055.6	4613.9	11078.2	13327.8	13712.9
52.5°	1204.4	1283.9	1339.6	1352.4	1250.5	1398.5	2033.3	4978.2	11778.2	13825.8	14061.3
55°	1261.7	1344.4	1404.9	1396.9	1226.7	1338.0	2028.5	5366.5	12545.1	14406.5	14514.7
57.5°	1241.0	1361.9	1454.2	1412.8	1228.3	1279.2	2007.8	5679.9	13186.2	14840.9	14963.4
58°	1234.6	1355.5	1460.5	1409.6	1223.5	1261.7	2003.1	5706.9	13275.3	14871.1	15027.0
60°	1172.6	1299.8	1455.8	1385.8	1196.4	1213.9	1950.6	5794.4	13251.5	14715.2	15065.2
62.5°	1059.6	1164.6	1346.0	1269.6	1113.7	1150.3	1832.8	5686.2	12605.5	13964.2	14506.8
65°	932.3	1010.3	1131.2	1116.9	996.0	1085.1	1672.1	5258.3	11312.0	12745.5	13316.7
67.5°	836.9	900.5	976.9	956.2	895.7	997.6	1498.7	4534.4	9861.0	11281.8	12000.9
70°	739.8	789.1	827.3	813.0	793.9	911.6	1344.4	3680.0	8470.5	9891.3	10588.1
72.5°	641.2	687.3	719.1	698.5	687.3	821.0	1218.7	2855.8	6690.2	8160.3	9056.0
75°	536.2	582.3	604.6	580.7	574.4	723.9	1032.6	2133.5	5019.6	6290.8	7064.1
77.5°	415.3	464.6	493.2	485.3	488.4	595.0	833.7	1460.5	3589.3	4287.8	5102.3
80°	291.2	345.2	364.3	356.4	378.7	453.4	588.7	927.6	2475.6	2782.7	3357.0
82.5°	179.8	230.7	233.9	241.8	257.7	335.7	443.9	564.8	1554.4	1606.9	2023.8
85°	90.7	109.8	117.7	130.5	144.8	205.2	253.0	350.0	1000.7	757.3	1131.2
87.5°	30.2	31.8	38.2	47.7	58.9	84.3	108.2	143.2	248.2	136.8	350.0
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: P454555

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2	6052.2
2.5°	6776.1	6911.3	7010.0	7100.6	7013.1	7005.2	6919.3	6780.9	6723.6	6723.6
5°	7175.4	7492.0	7748.2	7912.1	7842.1	7673.4	7395.0	7040.2	6849.3	6815.9
7.5°	7285.2	7910.5	8386.2	8554.8	8437.1	8064.8	7531.8	6933.6	6659.9	6599.5
10°	7218.4	8031.4	8729.8	8997.1	8833.2	8270.0	7542.9	6809.5	6472.2	6402.2
12.5°	7148.4	8047.3	8793.5	9180.1	9073.5	8435.5	7624.1	6728.4	6338.6	6238.3
15°	7199.3	8053.7	8715.5	9114.9	9183.3	8634.4	7757.7	6787.2	6311.5	6204.9
17.5°	7520.7	8174.6	8604.1	8927.1	9167.4	8904.8	8138.0	7068.8	6553.3	6421.3
20°	8192.1	8464.1	8667.8	8917.6	9304.2	9456.9	8916.0	7842.1	7232.7	7116.6
22.5°	10136.3	10087.0	9670.1	9665.3	10225.4	10837.9	10801.3	9414.0	8497.5	8402.1
25°	10865.0	10635.9	10032.9	9886.5	10133.1	11078.2	10941.3	9735.3	8888.9	8656.6
27.5°	10580.2	10012.2	9616.0	9582.6	9501.5	10394.0	10723.4	9865.8	9025.8	8799.8
30°	10562.7	9727.4	9161.0	9227.8	9305.8	10158.6	10844.3	10274.7	9375.8	9133.9
32.5°	10605.6	9767.2	9194.4	9207.1	9439.4	10193.6	10977.9	10720.2	9835.6	9593.7
35°	10779.0	9993.1	9407.6	9377.4	9740.1	10422.7	11205.4	11420.2	10464.0	10188.8
37.5°	11059.1	10443.3	9797.4	9789.4	10316.1	10836.3	11488.6	12126.6	11089.3	10793.4
40°	11471.1	10970.0	10491.1	10448.1	11098.8	11509.3	11856.2	12879.2	11816.4	11436.1
42.5°	11969.1	11601.6	11405.9	11576.1	12201.4	12265.0	12428.9	13574.4	12435.3	11993.0
45°	12430.5	12413.0	12685.1	13136.9	13501.2	13119.4	13027.1	14040.6	12915.8	12435.3
47.5°	12979.4	13453.5	14274.5	14936.3	15318.2	14113.8	13537.8	14344.5	13265.8	12823.5
50°	13536.3	14699.3	16010.3	16933.0	17014.2	15194.1	13889.5	14630.9	13584.0	13124.2
52.5°	14121.7	15693.6	17439.0	18511.3	18353.8	16134.4	14229.9	14825.0	13911.7	13507.6
55°	14630.9	16303.0	18237.7	19267.0	19036.3	16707.1	14597.4	15035.0	14379.5	14039.0
57.5°	14915.6	16353.9	18038.8	18937.7	18687.9	16595.7	14766.1	15190.9	14678.6	14411.3
58°	14957.0	16285.5	17862.2	18746.8	18492.2	16501.9	14764.5	15184.5	14697.7	14428.8
60°	14920.4	15841.6	17205.1	17992.6	17725.4	15913.2	14704.0	15065.2	14455.8	14228.3
62.5°	14581.5	15071.6	16070.7	16643.5	16567.1	14993.6	14455.8	14615.0	13719.2	13499.7
65°	14136.1	14021.5	14618.1	15023.8	15081.1	14304.7	14209.2	13641.3	12774.2	12463.9
67.5°	13595.1	12831.4	12829.8	13060.5	13156.0	13245.1	13695.4	12583.2	11412.3	11084.5
70°	12677.1	10997.0	10491.1	10763.1	10683.6	11436.1	12777.3	11097.2	9770.3	9386.9
72.5°	10993.8	8726.6	7916.8	8266.8	8066.4	8968.5	11180.0	9132.4	8079.1	7608.2
75°	8911.2	6527.9	5692.6	6014.0	5889.9	6803.1	9302.6	6632.9	5794.4	5614.6
77.5°	6919.3	4730.1	4244.8	4200.2	4292.5	5062.6	6823.8	4478.7	3820.0	3697.5
80°	4445.3	3385.7	3414.3	3357.0	3404.7	3191.6	4143.0	2857.4	2587.0	2488.3
82.5°	2925.9	2359.5	2812.9	2596.5	2466.1	2146.3	2717.4	1871.0	1587.8	1533.7
85°	1993.5	1737.4	1581.5	1209.2	1423.9	1653.1	2038.1	1007.1	798.7	723.9
87.5°	900.5	604.6	443.9	273.7	432.8	499.6	989.6	117.7	90.7	93.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)