

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: P455251

Luminaire Tested: **GALN-SA6B-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455251
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-SA6B-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 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: 23112 lumens
Efficiency: N/A
Efficacy: 95.1 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): 243
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

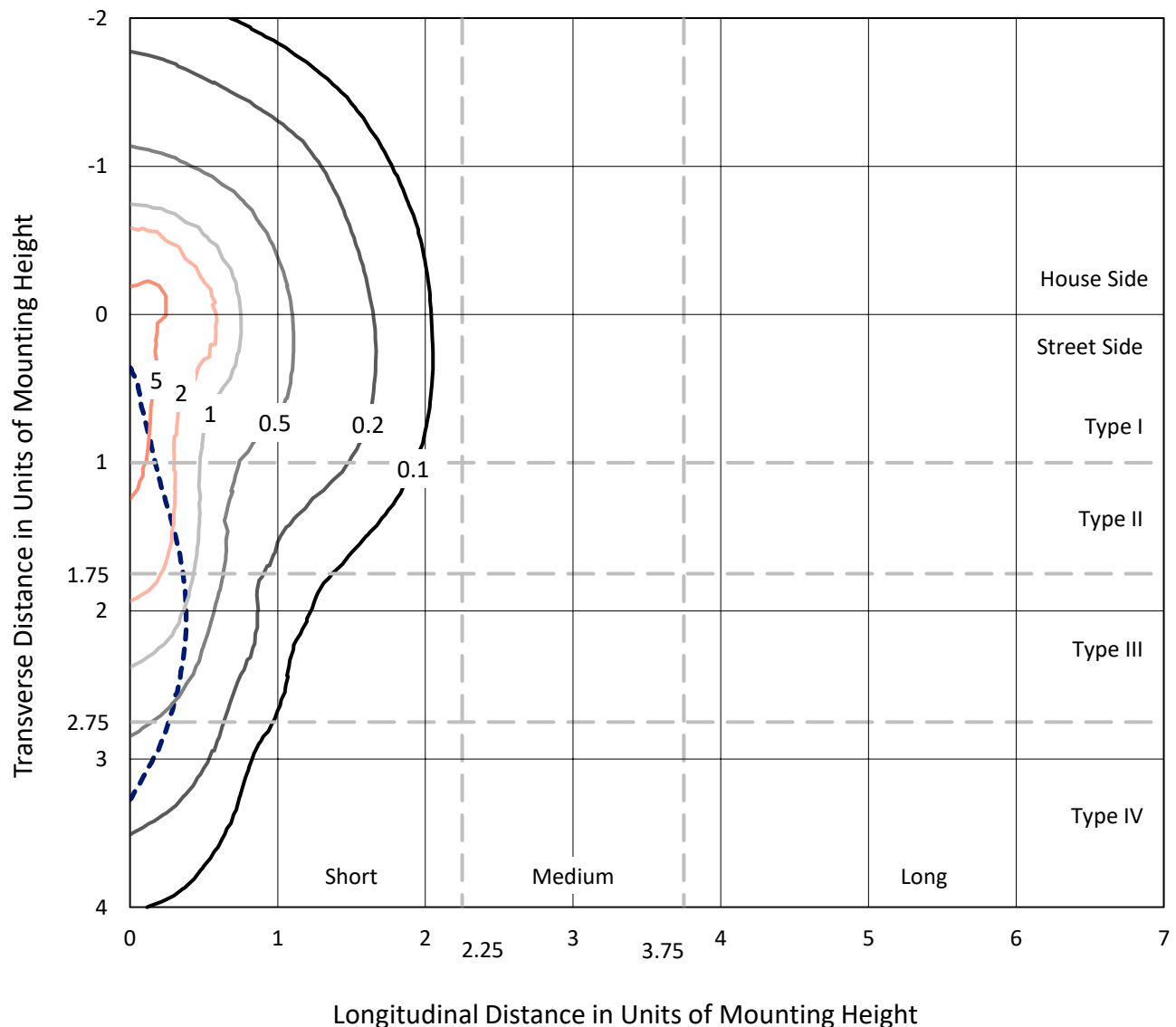


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Iso-Footcandle Lines of Horizontal Illumination

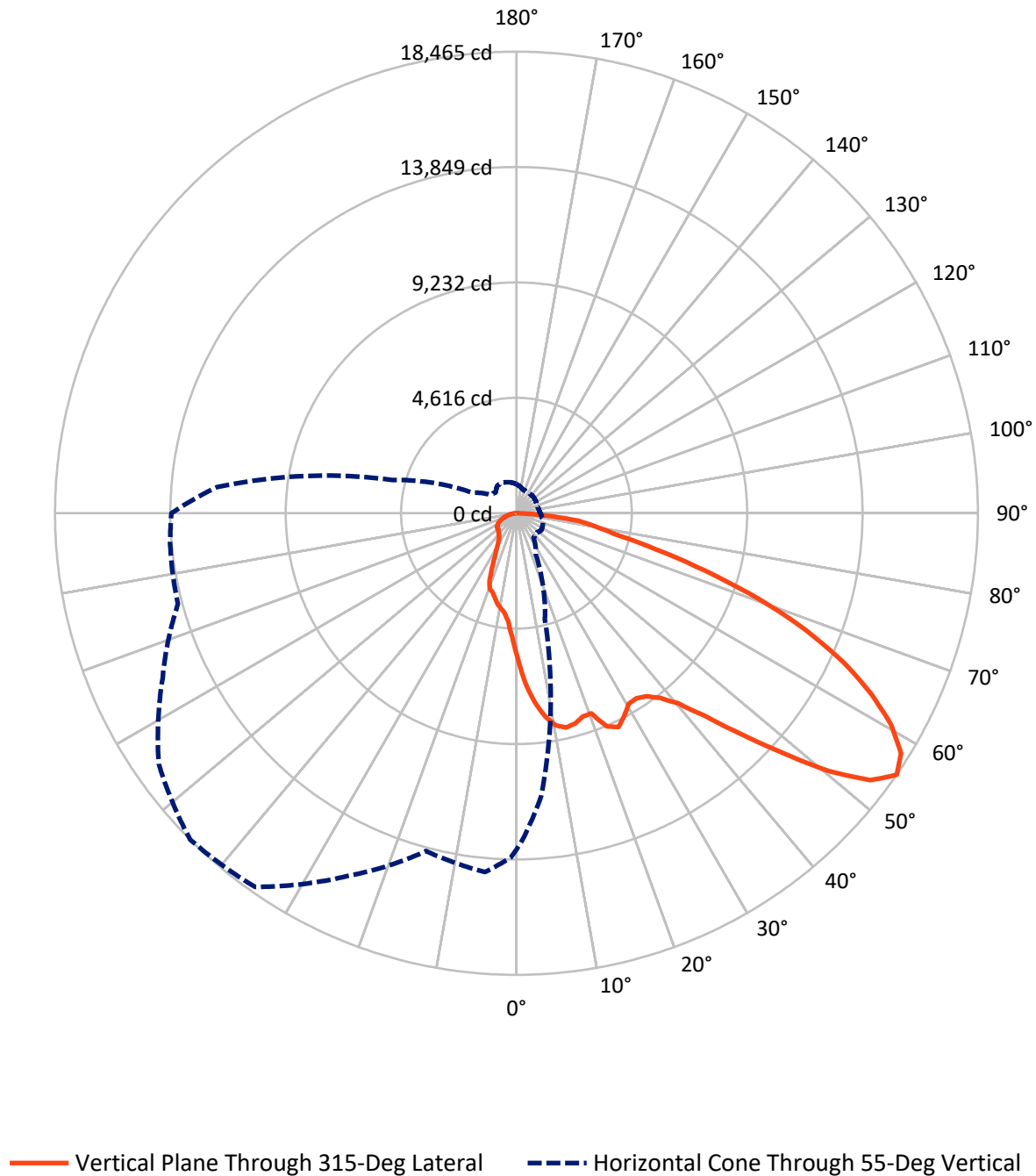
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	5055.6	0.0	5055.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	18056.4	0.0	18056.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	23112.0	0.0	23112.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.6	2.1
10°-20°	1304.2	5.6
20°-30°	2253.0	9.7
30°-40°	2618.4	11.3
40°-50°	3653.2	15.8
50°-60°	4957.0	21.4
60°-70°	4716.0	20.4
70°-80°	2547.7	11.0
80°-90°	571.0	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°	23112.0	100.0
0°-180°	23112.0	100.0

Coefficient of Utilization



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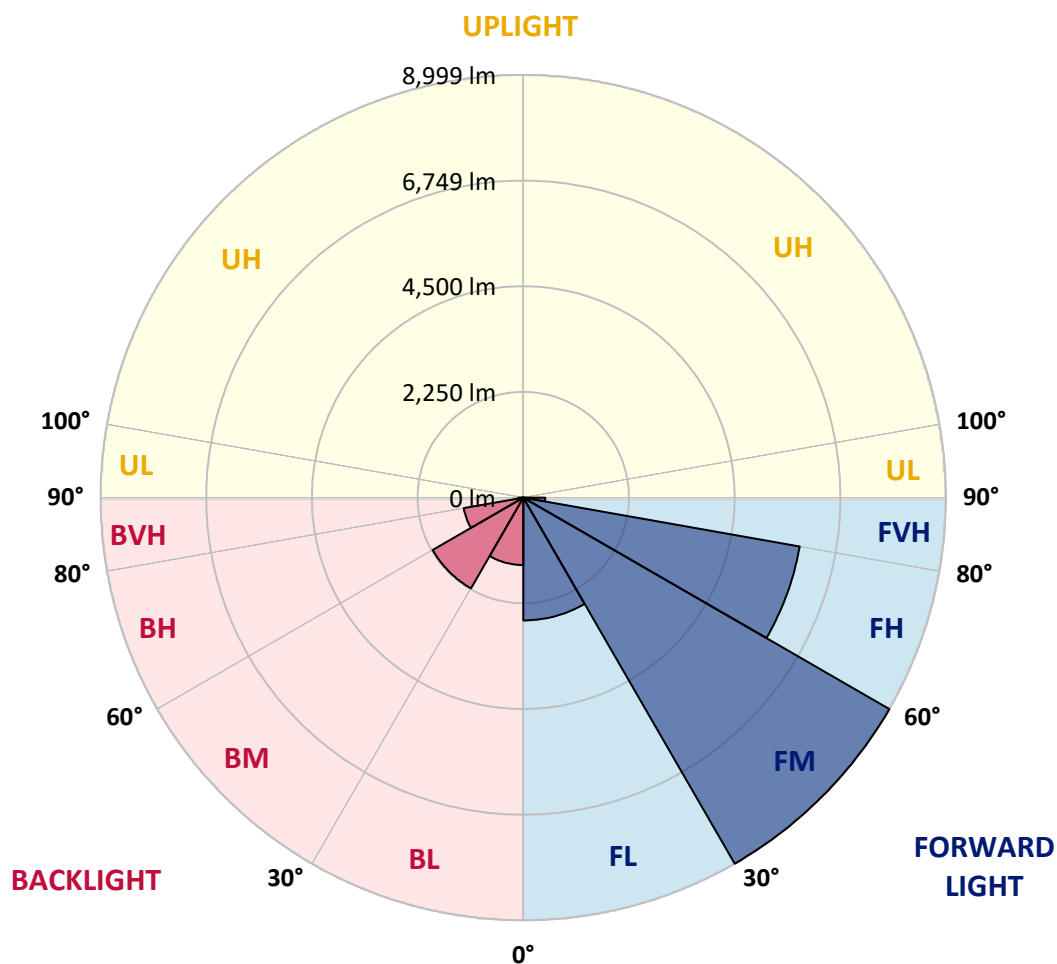
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2614.0	11.3			
FM	(30°-60°)	8999.3	38.9			
FH	(60°-80°)	5976.4	25.9			G3/7500
FVH	(80°-90°)	466.6	2.0			G3/500
BL	(0°-30°)	1434.8	6.2	B3/2500		
BM	(30°-60°)	2229.2	9.6	B2/2500		
BH	(60°-80°)	1287.3	5.6	B3/2500		G3/2500
BVH	(80°-90°)	104.3	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°	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2
2.5°	6443.7	6419.3	6350.6	6170.7	5989.3	5804.8	5663.0	5486.1	5301.6	5202.5	5075.9
5°	6532.1	6504.7	6343.0	5937.4	5570.0	5184.2	4876.2	4606.3	4496.5	4334.9	4205.3
7.5°	6324.7	6312.5	6070.1	5487.6	4984.5	4479.8	4130.6	3914.1	3717.4	3644.2	3659.4
10°	6135.7	6086.9	5783.4	5022.6	4435.5	4025.4	3775.3	3563.4	3424.6	3388.0	3395.7
12.5°	5978.6	5913.0	5554.7	4710.0	4196.2	3868.3	3549.7	3328.6	3202.0	3237.1	3356.0
15°	5946.6	5858.2	5458.7	4603.3	4065.0	3642.7	3293.5	3038.9	2944.3	3020.6	3211.2
17.5°	6154.0	6042.6	5623.3	4638.3	3940.0	3412.4	2984.0	2692.7	2613.4	2735.4	2984.0
20°	6820.3	6655.6	6137.2	4841.1	3927.8	3298.1	2804.0	2511.3	2544.8	2776.6	3035.8
22.5°	8052.3	7805.3	7036.8	5136.9	3991.8	3269.1	2767.4	2615.0	2799.5	2996.2	3166.9
25°	8296.3	8102.6	7198.4	5204.0	3978.1	3249.3	2871.1	2947.4	3153.2	3250.8	3191.3
27.5°	8433.5	8212.4	7187.7	4871.6	3557.3	2947.4	2744.6	2871.1	2923.0	2828.4	2666.8
30°	8753.7	8523.4	7369.2	4522.5	2929.1	2186.5	1916.6	1864.8	1899.9	1918.2	1860.2
32.5°	9194.3	8967.1	7710.7	4293.7	2532.6	1808.4	1543.1	1469.9	1453.1	1433.3	1410.4
35°	9764.6	9415.4	8046.2	4147.4	2369.5	1672.7	1428.7	1372.3	1349.4	1322.0	1297.6
37.5°	10344.0	9978.1	8470.1	3993.4	2261.2	1578.1	1352.5	1326.5	1286.9	1257.9	1222.9
40°	10960.0	10549.9	8855.8	3859.2	2156.0	1517.1	1297.6	1294.5	1242.7	1209.1	1168.0
42.5°	11493.7	11071.3	9200.4	3776.8	2075.2	1453.1	1264.0	1273.2	1219.8	1169.5	1116.1
45°	11917.6	11502.8	9519.1	3776.8	2009.6	1389.1	1257.9	1251.8	1198.5	1136.0	1075.0
47.5°	12289.6	11861.2	9830.2	3872.9	1968.5	1335.7	1224.4	1235.1	1180.2	1100.9	1041.4
50°	12577.8	12199.7	10249.5	4022.3	1927.3	1293.0	1181.7	1239.6	1164.9	1082.6	1014.0
52.5°	12945.3	12606.8	10754.2	4226.7	1892.2	1245.7	1143.6	1239.6	1163.4	1084.1	1009.4
55°	13454.5	13097.7	11362.6	4395.9	1835.8	1201.5	1110.0	1204.6	1158.8	1076.5	997.2
57.5°	13811.3	13544.5	11792.5	4508.7	1755.0	1145.1	1079.5	1171.0	1139.0	1047.5	960.6
58°	13828.1	13567.4	11855.1	4534.7	1735.2	1134.4	1071.9	1155.8	1129.9	1035.3	948.4
60°	13636.0	13411.8	11867.3	4498.1	1622.4	1081.1	1032.3	1093.3	1081.1	963.7	882.8
62.5°	12937.6	12698.2	11374.8	4200.7	1472.9	1015.5	971.3	1009.4	981.9	863.0	788.3
65°	11945.0	11504.4	10362.3	3734.2	1366.2	945.4	888.9	892.0	863.0	777.6	712.1
67.5°	10623.0	10130.5	8773.5	3147.1	1285.4	867.6	791.4	783.7	748.7	693.8	640.4
70°	8996.1	8659.1	7129.8	2560.1	1195.4	782.2	681.6	677.0	655.6	614.5	567.2
72.5°	7291.4	6863.0	5757.5	2049.3	1085.6	699.9	579.4	588.6	561.1	532.1	489.4
75°	5380.9	5100.3	4450.8	1643.7	937.7	609.9	483.4	486.4	474.2	443.7	410.2
77.5°	3543.6	3459.7	3183.7	1079.5	721.2	484.9	394.9	398.0	388.8	361.4	326.3
80°	2384.7	2328.3	2157.5	695.3	481.8	350.7	305.0	308.0	306.5	277.5	230.2
82.5°	1469.9	1445.5	1390.6	469.6	333.9	251.6	201.3	210.4	227.2	195.2	157.1
85°	693.8	695.3	840.1	256.2	196.7	161.6	109.8	117.4	117.4	117.4	88.4
87.5°	90.0	94.5	115.9	108.3	71.7	61.0	39.6	33.5	29.0	38.1	27.4
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°	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2
2.5°	5031.7	5001.2	4935.7	4920.4	4911.3	4937.2	4868.6	4886.9	4856.4	4941.8	4928.0
5°	4212.9	4216.0	4269.3	4304.4	4316.6	4304.4	4258.7	4179.4	4118.4	4094.0	4100.1
7.5°	3630.5	3683.8	3775.3	3877.5	3970.5	3997.9	3972.0	3821.1	3656.4	3552.7	3519.2
10°	3436.8	3508.5	3613.7	3694.5	3776.8	3842.4	3856.1	3738.7	3543.6	3298.1	3202.0
12.5°	3447.5	3545.1	3645.7	3671.6	3664.0	3689.9	3677.7	3657.9	3529.8	3217.3	3057.2
15°	3346.9	3462.7	3532.9	3519.2	3494.8	3471.9	3439.9	3389.6	3343.8	3124.2	2947.4
17.5°	3115.1	3234.0	3292.0	3296.5	3296.5	3290.4	3212.7	3194.4	3188.3	3081.6	2973.3
20°	3157.8	3223.4	3197.4	3154.7	3166.9	3208.1	3162.4	3153.2	3188.3	3235.6	3215.7
22.5°	3182.2	3159.3	2964.1	2775.1	2732.4	2860.5	2886.4	2988.5	3130.3	3301.1	3412.4
25°	3031.2	2846.7	2497.6	2284.1	2163.6	2282.6	2438.1	2627.2	2839.1	3058.7	3188.3
27.5°	2534.2	2393.9	2143.8	1951.7	1846.5	1864.8	1997.4	2169.7	2366.4	2514.3	2608.9
30°	1909.0	1846.5	1716.9	1651.3	1587.3	1572.0	1628.4	1694.0	1780.9	1799.2	1823.6
32.5°	1405.8	1396.7	1404.3	1383.0	1370.8	1369.2	1352.5	1367.7	1376.9	1387.5	1366.2
35°	1271.7	1259.5	1238.1	1232.0	1224.4	1227.4	1219.8	1212.2	1218.3	1227.4	1233.5
37.5°	1203.0	1184.7	1154.2	1143.6	1143.6	1148.1	1136.0	1132.9	1143.6	1172.5	1187.8
40°	1149.7	1128.3	1093.3	1079.5	1088.7	1100.9	1084.1	1078.0	1103.9	1134.4	1158.8
42.5°	1099.4	1082.6	1049.0	1033.8	1041.4	1064.3	1039.9	1035.3	1068.9	1102.4	1131.4
45°	1056.7	1039.9	1009.4	1001.8	1004.8	1026.2	1009.4	1009.4	1041.4	1078.0	1103.9
47.5°	1023.1	1001.8	981.9	975.9	978.9	991.1	988.0	988.0	1018.5	1056.7	1082.6
50°	989.6	971.3	945.4	948.4	956.0	972.8	971.3	975.9	1006.3	1053.6	1081.1
52.5°	974.3	946.9	917.9	921.0	943.8	963.7	957.6	962.1	997.2	1085.6	1125.3
55°	957.6	921.0	887.4	892.0	917.9	946.9	939.3	945.4	986.5	1107.0	1161.9
57.5°	925.5	882.8	846.2	849.3	887.4	917.9	905.7	913.3	962.1	1084.1	1142.0
58°	911.8	875.2	840.1	841.7	878.3	911.8	898.1	904.2	954.5	1078.0	1132.9
60°	853.9	832.5	802.0	803.6	838.6	867.6	860.0	866.1	914.9	1033.8	1075.0
62.5°	774.6	762.4	754.8	754.8	776.1	803.6	811.2	818.8	863.0	934.7	971.3
65°	689.2	689.2	690.7	690.7	704.4	739.5	744.1	763.9	805.1	840.1	867.6
67.5°	631.3	628.2	631.3	623.6	629.7	651.1	673.9	692.2	734.9	759.3	768.5
70°	556.5	555.0	556.5	545.9	553.5	571.8	587.0	617.5	661.7	680.0	684.6
72.5°	483.4	483.4	486.4	478.8	478.8	498.6	509.3	542.8	584.0	594.7	596.2
75°	407.1	411.7	411.7	401.0	404.1	416.3	430.0	457.4	495.5	503.2	503.2
77.5°	323.3	340.0	340.0	329.3	333.9	335.4	353.7	367.5	396.4	399.5	387.3
80°	234.8	251.6	265.3	256.2	263.8	254.6	265.3	274.5	303.4	289.7	269.9
82.5°	167.7	179.9	190.6	192.1	184.5	167.7	181.4	183.0	196.7	178.4	167.7
85°	93.0	103.7	117.4	111.3	99.1	88.4	93.0	96.1	94.5	90.0	83.9
87.5°	24.4	25.9	29.0	21.3	19.8	16.8	22.9	22.9	25.9	27.4	25.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2
2.5°	4938.7	5005.8	5150.7	5260.4	5394.6	5557.8	5749.9	5943.5	6152.4	6218.0	6309.5
5°	4086.4	4254.1	4324.2	4524.0	4722.2	5019.5	5336.7	5704.1	6106.7	6300.3	6486.4
7.5°	3491.7	3581.7	3654.9	3801.2	4039.1	4400.5	4798.4	5257.4	5827.7	6109.7	6382.7
10°	3171.5	3180.7	3270.6	3452.1	3659.4	3978.1	4354.7	4868.6	5504.4	5847.5	6167.7
12.5°	2959.6	2919.9	3017.5	3206.6	3441.4	3735.7	4081.8	4571.2	5271.1	5623.3	6010.6
15°	2773.5	2711.0	2784.2	2977.9	3209.6	3555.8	3927.8	4446.2	5179.6	5589.8	6019.8
17.5°	2778.1	2605.8	2631.7	2794.9	3025.1	3377.4	3828.7	4441.6	5318.4	5791.1	6300.3
20°	3121.2	2845.2	2727.8	2758.3	2980.9	3365.2	3874.4	4655.1	5774.3	6463.5	7007.8
22.5°	3458.2	3292.0	3102.9	3040.4	3162.4	3564.9	4165.7	5159.8	6765.4	7803.8	8787.2
25°	3340.8	3482.6	3435.3	3346.9	3374.3	3708.2	4363.9	5574.5	7535.4	8704.9	9628.9
27.5°	2672.9	2930.6	2982.4	2980.9	2991.6	3266.0	3924.7	5295.5	7631.5	8877.2	9760.0
30°	1878.5	1901.4	1928.8	1982.2	2031.0	2276.5	3070.9	4649.0	7588.8	8954.9	9839.3
32.5°	1355.5	1386.0	1424.1	1497.3	1613.2	1925.8	2686.6	4443.2	7814.4	9276.7	10071.1
35°	1239.6	1274.7	1311.3	1395.2	1504.9	1794.6	2534.2	4357.8	8184.9	9798.1	10487.3
37.5°	1203.0	1242.7	1274.7	1335.7	1424.1	1700.1	2395.4	4299.8	8564.6	10350.1	11045.4
40°	1177.1	1222.9	1248.8	1297.6	1358.6	1613.2	2271.9	4254.1	8932.1	10854.8	11493.7
42.5°	1154.2	1201.5	1235.1	1270.1	1320.4	1535.4	2162.1	4208.4	9250.8	11344.3	11940.4
45°	1126.8	1186.3	1229.0	1256.4	1300.6	1469.9	2078.3	4171.8	9613.6	11778.8	12391.8
47.5°	1103.9	1169.5	1222.9	1254.9	1271.7	1424.1	2011.2	4222.1	10049.7	12233.2	12811.1
50°	1105.5	1168.0	1235.1	1285.4	1241.2	1386.0	1970.0	4421.8	10616.9	12773.0	13142.0
52.5°	1154.2	1230.5	1283.9	1296.1	1198.5	1340.3	1948.7	4771.0	11287.8	13250.2	13475.9
55°	1209.1	1288.4	1346.4	1338.7	1175.6	1282.3	1944.1	5143.0	12022.8	13806.8	13910.4
57.5°	1189.3	1305.2	1393.6	1354.0	1177.1	1225.9	1924.3	5443.4	12637.3	14223.0	14340.4
58°	1183.2	1299.1	1399.7	1350.9	1172.5	1209.1	1919.7	5469.3	12722.6	14252.0	14401.4
60°	1123.8	1245.7	1395.2	1328.1	1146.6	1163.4	1869.4	5553.2	12699.8	14102.6	14438.0
62.5°	1015.5	1116.1	1290.0	1216.8	1067.3	1102.4	1756.5	5449.5	12080.7	13382.9	13902.8
65°	893.5	968.2	1084.1	1070.4	954.5	1039.9	1602.5	5039.4	10841.1	12214.9	12762.3
67.5°	802.0	863.0	936.2	916.4	858.4	956.0	1436.3	4345.6	9450.5	10812.1	11501.3
70°	709.0	756.3	792.9	779.2	760.9	873.7	1288.4	3526.8	8117.9	9479.5	10147.3
72.5°	614.5	658.7	689.2	669.4	658.7	786.8	1168.0	2737.0	6411.6	7820.5	8679.0
75°	513.8	558.1	579.4	556.5	550.4	693.8	989.6	2044.7	4810.6	6028.9	6770.0
77.5°	398.0	445.2	472.7	465.1	468.1	570.3	799.0	1399.7	3439.9	4109.2	4889.9
80°	279.0	330.9	349.2	341.5	362.9	434.6	564.2	888.9	2372.5	2666.8	3217.3
82.5°	172.3	221.1	224.1	231.8	247.0	321.7	425.4	541.3	1489.7	1540.0	1939.5
85°	86.9	105.2	112.8	125.0	138.8	196.7	242.4	335.4	959.1	725.8	1084.1
87.5°	29.0	30.5	36.6	45.7	56.4	80.8	103.7	137.2	237.9	131.1	335.4
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°	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2	5800.2
2.5°	6494.0	6623.6	6718.1	6805.0	6721.2	6713.5	6631.2	6498.6	6443.7	6443.7
5°	6876.7	7180.1	7425.6	7582.7	7515.6	7353.9	7087.1	6747.1	6564.1	6532.1
7.5°	6981.9	7581.1	8037.0	8198.7	8085.8	7729.0	7218.2	6644.9	6382.7	6324.7
10°	6917.9	7697.0	8366.4	8622.6	8465.5	7925.7	7228.9	6526.0	6202.7	6135.7
12.5°	6850.8	7712.3	8427.4	8797.9	8695.7	8084.3	7306.7	6448.2	6074.7	5978.6
15°	6899.6	7718.4	8352.7	8735.4	8800.9	8274.9	7434.8	6504.7	6048.7	5946.6
17.5°	7207.6	7834.2	8245.9	8555.5	8785.7	8534.1	7799.2	6774.5	6280.5	6154.0
20°	7851.0	8111.8	8306.9	8546.3	8916.8	9063.2	8544.8	7515.6	6931.6	6820.3
22.5°	9714.3	9667.0	9267.5	9263.0	9799.7	10386.7	10351.6	9022.0	8143.8	8052.3
25°	10412.6	10193.1	9615.2	9474.9	9711.2	10616.9	10485.8	9330.0	8518.9	8296.3
27.5°	10139.7	9595.4	9215.7	9183.7	9105.9	9961.3	10276.9	9455.1	8650.0	8433.5
30°	10122.9	9322.4	8779.6	8843.6	8918.4	9735.6	10392.8	9846.9	8985.4	8753.7
32.5°	10164.1	9360.5	8811.6	8823.8	9046.4	9769.2	10520.9	10273.9	9426.1	9194.3
35°	10330.3	9577.1	9015.9	8987.0	9334.6	9988.7	10738.9	10944.8	10028.4	9764.6
37.5°	10598.6	10008.6	9389.5	9381.9	9886.6	10385.2	11010.3	11621.8	10627.6	10344.0
40°	10993.6	10513.3	10054.3	10013.1	10636.8	11030.2	11362.6	12343.0	11324.4	10960.0
42.5°	11470.8	11118.6	10931.0	11094.2	11693.4	11754.4	11911.5	13009.3	11917.6	11493.7
45°	11913.0	11896.2	12157.0	12590.0	12939.2	12573.2	12484.8	13456.1	12378.0	11917.6
47.5°	12439.0	12893.4	13680.2	14314.5	14680.4	13526.2	12974.2	13747.3	12713.5	12289.6
50°	12972.7	14087.3	15343.7	16228.1	16305.8	14561.5	13311.2	14021.7	13018.5	12577.8
52.5°	13533.8	15040.3	16713.0	17740.7	17589.7	15462.7	13637.5	14207.8	13332.6	12945.3
55°	14021.7	15624.3	17478.4	18464.9	18243.8	16011.6	13989.7	14409.0	13780.8	13454.5
57.5°	14294.7	15673.1	17287.8	18149.3	17909.9	15904.8	14151.4	14558.5	14067.5	13811.3
58°	14334.3	15607.5	17118.5	17966.3	17722.4	15814.9	14149.8	14552.4	14085.8	13828.1
60°	14299.3	15182.1	16488.8	17243.6	16987.4	15250.7	14091.9	14438.0	13854.0	13636.0
62.5°	13974.5	14444.1	15401.7	15950.6	15877.4	14369.4	13854.0	14006.5	13148.1	12937.6
65°	13547.5	13437.8	14009.5	14398.4	14453.3	13709.2	13617.7	13073.3	12242.3	11945.0
67.5°	13029.1	12297.2	12295.7	12516.8	12608.3	12693.7	13125.2	12059.4	10937.1	10623.0
70°	12149.3	10539.2	10054.3	10315.0	10238.8	10960.0	12245.4	10635.2	9363.6	8996.1
72.5°	10536.1	8363.3	7587.2	7922.7	7730.6	8595.1	10714.5	8752.2	7742.8	7291.4
75°	8540.2	6256.1	5455.6	5763.6	5644.7	6519.9	8915.3	6356.7	5553.2	5380.9
77.5°	6631.2	4533.1	4068.1	4025.4	4113.8	4851.8	6539.7	4292.2	3661.0	3543.6
80°	4260.2	3244.7	3272.1	3217.3	3263.0	3058.7	3970.5	2738.5	2479.3	2384.7
82.5°	2804.0	2261.2	2695.8	2488.4	2363.4	2056.9	2604.3	1793.1	1521.7	1469.9
85°	1910.5	1665.0	1515.6	1158.8	1364.7	1584.2	1953.2	965.2	765.4	693.8
87.5°	863.0	579.4	425.4	262.3	414.7	478.8	948.4	112.8	86.9	90.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)