

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: P530890

Luminaire Tested: **GALN-SA6A-827-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-827-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14847 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

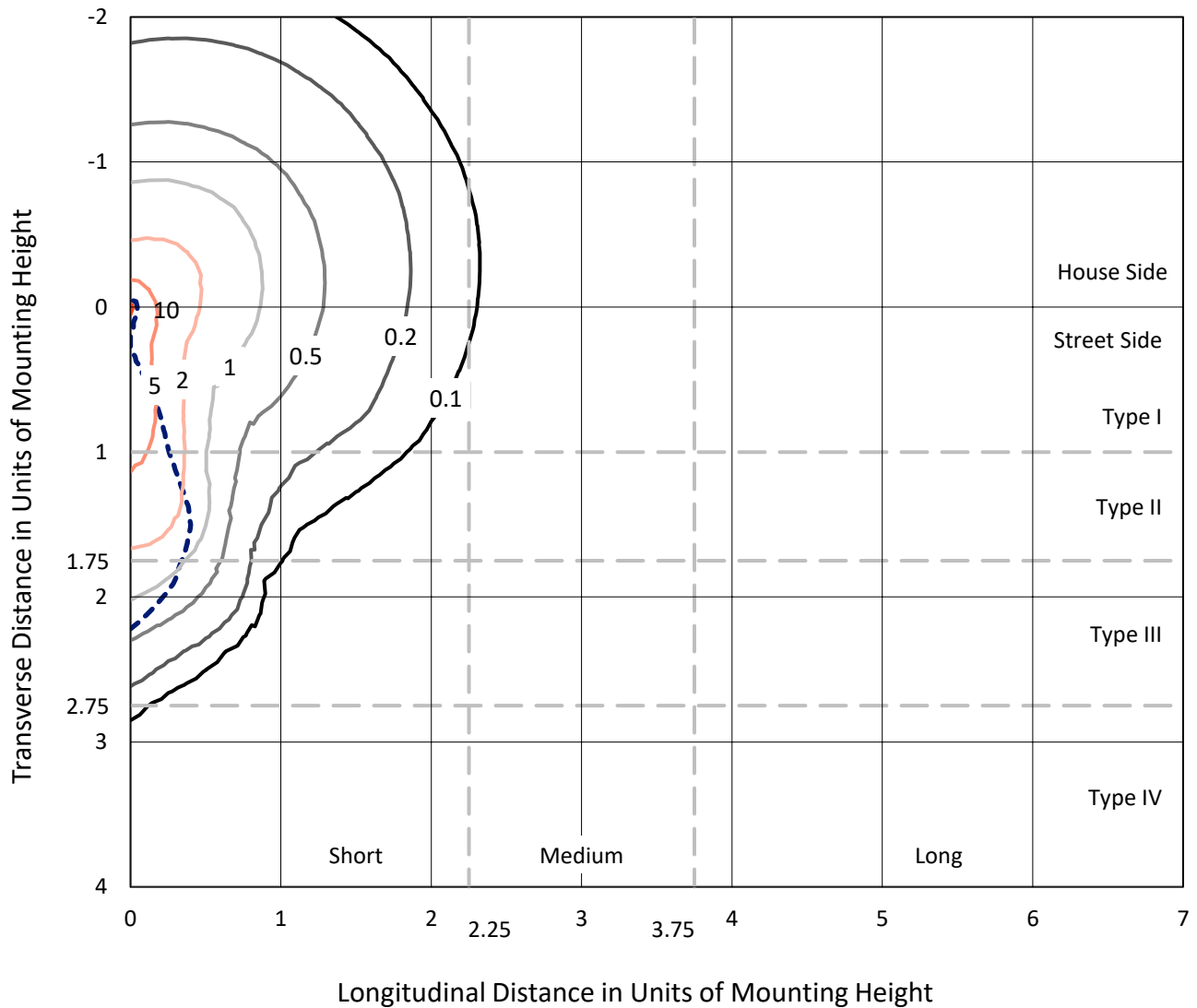
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

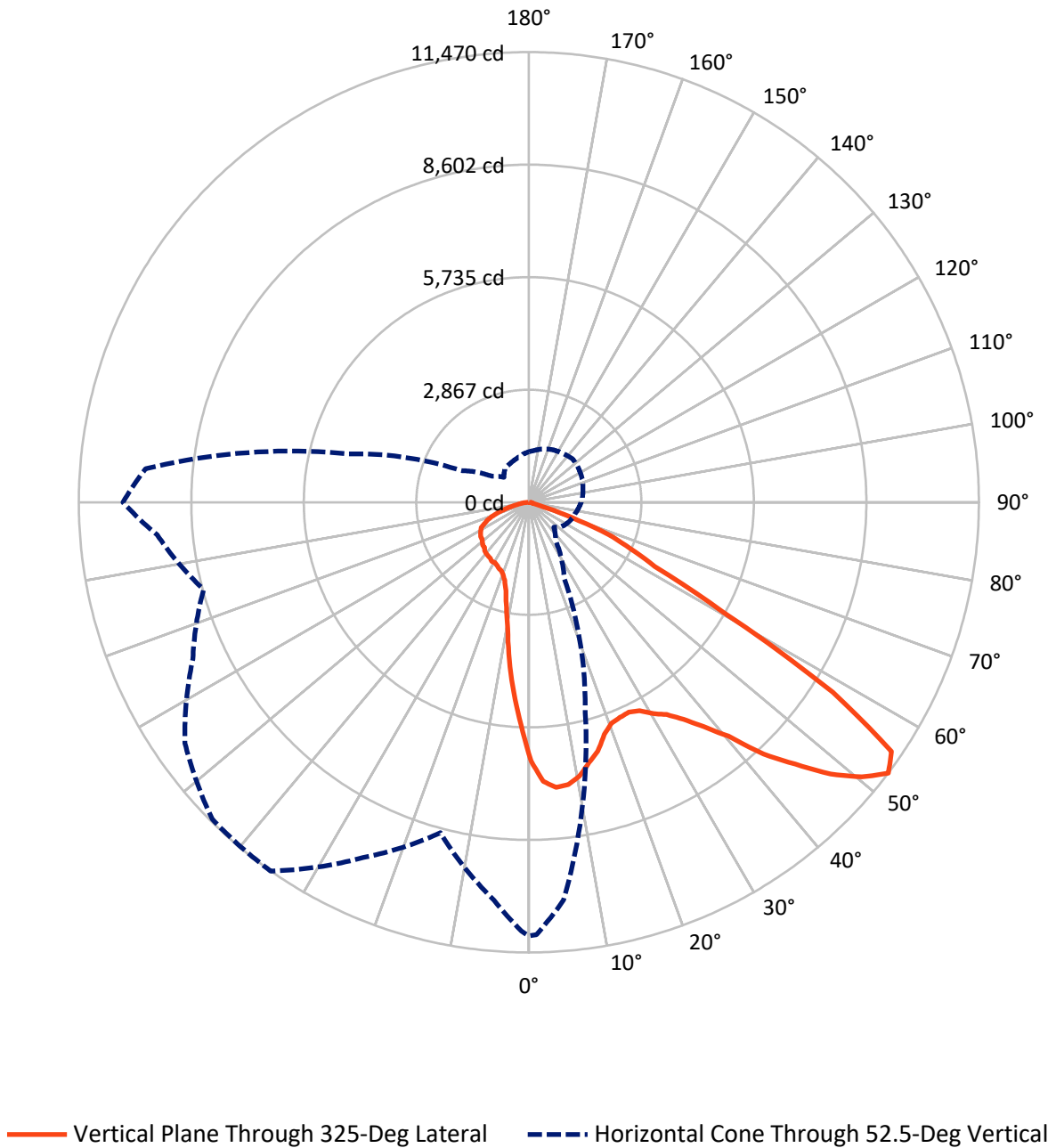
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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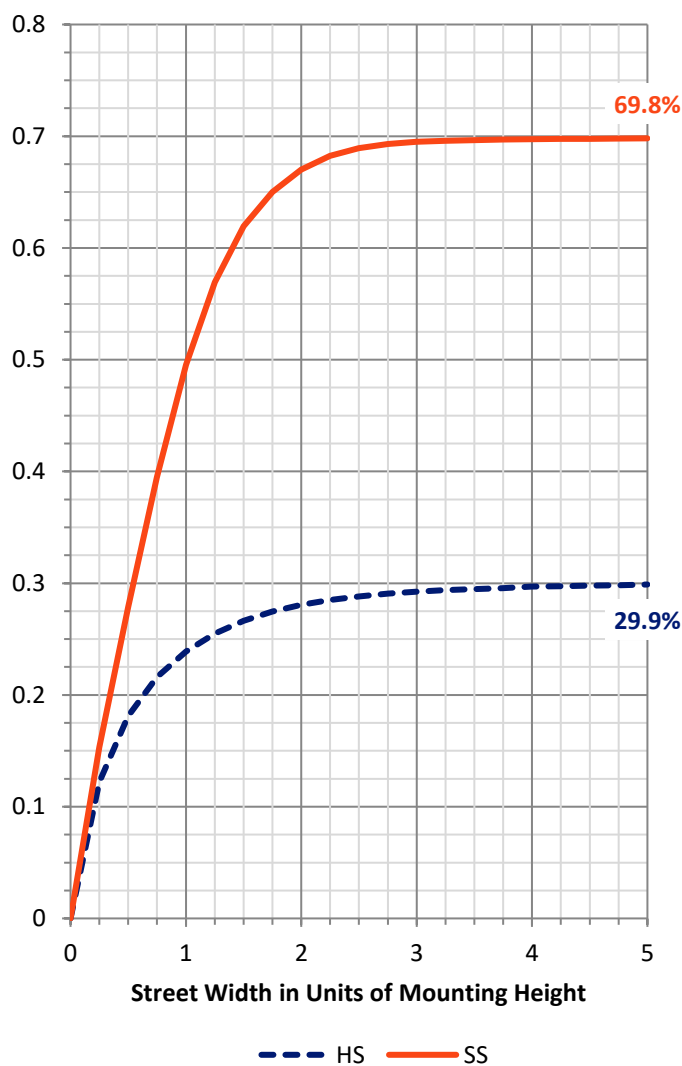
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4475.7	0.0	4475.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	10371.3	0.0	10371.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	14847.0	0.0	14847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.7	3.4
10°-20°	1089.8	7.3
20°-30°	1646.6	11.1
30°-40°	2379.3	16.0
40°-50°	3166.5	21.3
50°-60°	3541.8	23.9
60°-70°	1996.1	13.4
70°-80°	445.0	3.0
80°-90°	79.2	0.5
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°	14847.0	100.0
0°-180°	14847.0	100.0

Coefficient of Utilization



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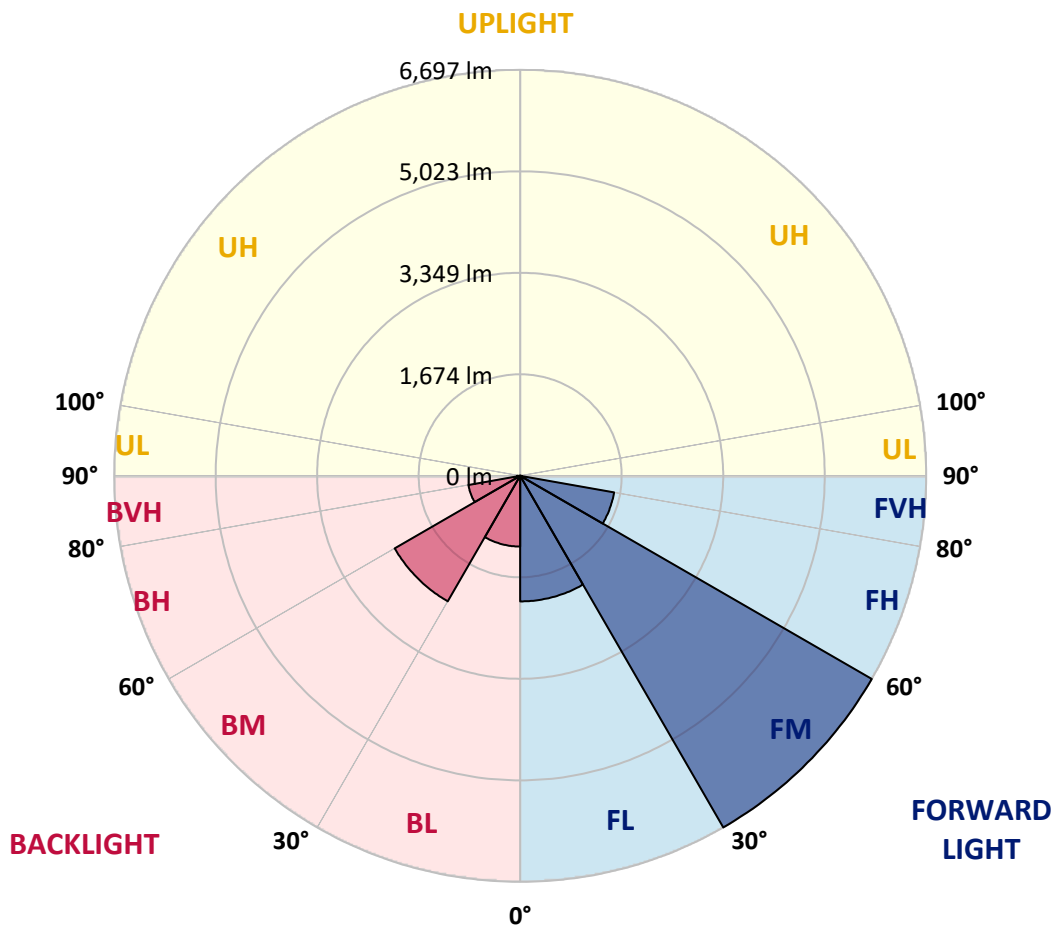
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2071.9	14.0			
FM (30°-60°)	6697.1	45.1			
FH (60°-80°)	1573.6	10.6			G1/1800
FVH (80°-90°)	28.7	0.2			G1/100
BL (0°-30°)	1167.2	7.9	B3/2500		
BM (30°-60°)	2390.5	16.1	B2/2500		
BH (60°-80°)	867.5	5.8	B2/1000		G2/1000
BVH (80°-90°)	50.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2
2.5°	6698.9	6806.5	6690.3	6483.7	6337.4	6204.0	6064.1	6036.1	5853.2	5821.0	5687.5
5°	6318.0	6294.4	6152.3	5881.2	5582.1	5310.9	5110.8	4917.1	4785.9	4633.1	4622.3
7.5°	5855.4	5717.7	5635.9	5224.9	4854.7	4428.7	4245.7	3950.9	3858.4	3720.7	3649.7
10°	5442.2	5341.1	5149.6	4738.5	4222.1	3940.2	3744.3	3585.1	3477.5	3335.5	3156.9
12.5°	5237.8	5196.9	4981.7	4344.7	3961.7	3660.4	3522.7	3367.8	3184.8	2956.7	2868.5
15°	5274.4	5136.6	4973.1	4269.4	3740.0	3449.5	3230.0	3036.4	2801.8	2584.5	2457.5
17.5°	5547.7	5442.2	5115.1	4316.8	3656.1	3236.5	2838.4	2552.2	2341.3	2145.5	2057.2
20°	6085.6	5932.9	5564.9	4377.0	3475.4	2939.5	2483.3	2130.4	1904.5	1801.2	1771.0
22.5°	6681.7	6591.3	6003.9	4512.6	3331.2	2664.1	2106.7	1753.8	1669.9	1641.9	1697.9
25°	7406.9	7172.4	6686.0	4734.2	3219.3	2429.5	1788.2	1592.4	1549.4	1577.4	1641.9
27.5°	7957.8	7895.4	7163.8	4943.0	3066.5	2147.6	1609.6	1480.5	1493.4	1521.4	1581.7
30°	8612.0	8295.7	7626.4	5087.1	2928.8	1953.9	1484.8	1450.4	1463.3	1510.7	1540.8
32.5°	9005.8	8887.4	7916.9	5304.5	2769.5	1786.1	1388.0	1355.7	1375.1	1446.1	1517.1
35°	9507.2	9272.6	8276.3	5360.4	2657.6	1719.4	1319.1	1295.5	1340.6	1390.1	1469.8
37.5°	10092.5	9931.1	8773.4	5321.7	2597.4	1650.5	1261.0	1250.3	1282.5	1351.4	1443.9
40°	10439.0	10389.5	9033.8	5345.4	2502.7	1590.3	1194.3	1207.2	1273.9	1327.7	1418.1
42.5°	10772.5	10449.7	9419.0	5336.8	2442.4	1508.5	1200.8	1185.7	1237.4	1299.8	1385.8
45°	10845.7	10525.1	9509.4	5276.5	2369.3	1428.9	1151.3	1157.7	1220.1	1297.6	1353.6
47.5°	10798.4	10561.6	9677.2	5259.3	2300.4	1372.9	1078.1	1155.6	1192.2	1254.6	1334.2
50°	10766.1	10753.2	9819.2	5341.1	2207.9	1284.7	989.9	1127.6	1164.2	1226.6	1312.7
52.5°	11050.1	11022.2	10174.3	5556.3	2134.7	1190.0	899.5	1056.6	1144.8	1205.1	1289.0
55°	11222.3	11099.6	10783.3	5821.0	2012.0	1065.2	837.1	968.4	1097.5	1151.3	1237.4
57.5°	10094.7	10010.7	9754.7	5433.6	1805.5	901.7	759.6	878.0	1032.9	1116.8	1205.1
60°	8399.0	8267.7	7611.4	4618.0	1332.0	701.5	712.3	807.0	1015.7	1048.0	1151.3
62.5°	7919.1	7594.1	6701.1	3716.4	1022.2	602.5	639.1	742.4	925.3	979.1	1082.4
65°	6283.6	6042.6	4794.5	2683.4	684.3	522.9	583.2	669.2	798.4	903.8	998.5
67.5°	3933.7	3703.5	2558.6	1269.6	477.7	447.6	520.8	611.1	716.6	811.3	916.7
70°	2055.1	1803.3	1181.4	458.4	329.2	365.8	434.7	520.8	624.1	701.5	783.3
72.5°	766.1	621.9	385.2	198.0	228.1	279.8	352.9	415.3	488.5	583.2	628.4
75°	118.4	101.1	99.0	120.5	154.9	202.3	251.8	314.2	378.7	439.0	469.1
77.5°	56.0	53.8	60.3	79.6	103.3	144.2	182.9	243.2	294.8	333.5	350.8
80°	36.6	34.4	38.7	53.8	77.5	107.6	146.3	187.2	234.6	266.8	262.5
82.5°	21.5	23.7	23.7	36.6	53.8	77.5	105.4	142.0	174.3	202.3	185.1
85°	12.9	10.8	10.8	21.5	36.6	62.4	88.2	60.3	62.4	62.4	71.0
87.5°	4.3	4.3	4.3	2.2	4.3	4.3	6.5	10.8	12.9	15.1	19.4
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°	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2
2.5°	5683.2	5749.9	5726.3	5642.3	5706.9	5717.7	5674.6	5823.1	5851.1	5805.9	5818.8
5°	4607.3	4624.5	4663.2	4745.0	4803.1	4872.0	4872.0	4876.3	4818.2	4964.5	4921.4
7.5°	3589.4	3600.2	3645.4	3819.7	3869.2	4000.4	4056.4	4017.6	3901.4	3851.9	3892.8
10°	3098.8	3036.4	3021.3	3042.8	3154.7	3210.7	3258.0	3245.1	3225.7	3187.0	3144.0
12.5°	2771.7	2726.5	2689.9	2638.3	2644.7	2698.5	2735.1	2705.0	2713.6	2722.2	2735.1
15°	2416.6	2384.3	2365.0	2287.5	2278.9	2315.5	2328.4	2345.6	2377.9	2380.0	2365.0
17.5°	2040.0	2012.0	2055.1	2098.1	2068.0	2070.2	2093.8	2108.9	2100.3	2061.5	2042.2
20°	1781.8	1811.9	1855.0	1895.8	1928.1	1947.5	1956.1	1932.4	1904.5	1824.8	1822.7
22.5°	1706.5	1745.2	1781.8	1844.2	1874.3	1923.8	1878.6	1824.8	1786.1	1747.4	1702.2
25°	1650.5	1682.8	1756.0	1779.6	1837.7	1878.6	1846.4	1792.6	1725.8	1669.9	1635.5
27.5°	1609.6	1646.2	1693.6	1758.1	1803.3	1827.0	1794.7	1773.2	1704.3	1637.6	1588.1
30°	1583.8	1622.6	1708.6	1762.4	1801.2	1820.5	1764.6	1738.8	1689.3	1633.3	1590.3
32.5°	1566.6	1601.0	1674.2	1743.1	1768.9	1768.9	1777.5	1747.4	1678.5	1583.8	1547.2
35°	1510.7	1558.0	1618.2	1697.9	1745.2	1773.2	1730.1	1695.7	1650.5	1553.7	1487.0
37.5°	1478.4	1510.7	1588.1	1663.4	1704.3	1734.5	1717.2	1657.0	1596.7	1517.1	1463.3
40°	1443.9	1495.6	1564.4	1635.5	1680.7	1710.8	1697.9	1626.9	1553.7	1478.4	1441.8
42.5°	1420.3	1454.7	1525.7	1605.3	1659.1	1717.2	1678.5	1590.3	1538.6	1435.3	1394.4
45°	1400.9	1456.9	1532.2	1564.4	1620.4	1680.7	1611.8	1558.0	1497.7	1422.4	1388.0
47.5°	1377.2	1428.9	1478.4	1564.4	1590.3	1618.2	1605.3	1519.3	1467.6	1385.8	1362.2
50°	1368.6	1388.0	1478.4	1525.7	1562.3	1590.3	1555.8	1491.3	1441.8	1357.9	1306.2
52.5°	1334.2	1370.8	1428.9	1491.3	1536.5	1570.9	1515.0	1474.1	1407.4	1319.1	1286.9
55°	1291.2	1312.7	1416.0	1480.5	1504.2	1527.9	1506.3	1439.6	1370.8	1280.4	1248.1
57.5°	1235.2	1284.7	1368.6	1459.0	1489.1	1502.0	1467.6	1413.8	1327.7	1248.1	1196.5
60°	1177.1	1228.7	1321.3	1394.4	1424.6	1471.9	1420.3	1388.0	1289.0	1200.8	1144.8
62.5°	1119.0	1177.1	1246.0	1338.5	1364.3	1383.7	1370.8	1325.6	1246.0	1147.0	1078.1
65°	1050.1	1093.2	1179.3	1226.6	1243.8	1289.0	1243.8	1226.6	1155.6	1060.9	1002.8
67.5°	946.8	983.4	1058.7	1103.9	1116.8	1136.2	1134.1	1114.7	1035.1	970.5	918.9
70°	828.5	860.8	908.1	961.9	968.4	992.0	970.5	966.2	914.6	826.3	798.4
72.5°	664.9	695.1	757.5	781.1	783.3	791.9	781.1	766.1	753.2	660.6	632.7
75°	510.0	527.2	557.3	578.9	578.9	589.6	583.2	568.1	533.7	475.6	447.6
77.5°	355.1	372.3	411.0	423.9	421.8	426.1	406.7	391.7	340.0	309.9	286.2
80°	258.2	269.0	288.4	297.0	299.1	305.6	281.9	269.0	238.9	204.4	193.7
82.5°	187.2	193.7	195.8	206.6	206.6	195.8	189.4	176.5	154.9	133.4	124.8
85°	77.5	79.6	81.8	94.7	96.8	116.2	107.6	101.1	88.2	75.3	68.9
87.5°	19.4	21.5	28.0	23.7	28.0	28.0	30.1	34.4	34.4	28.0	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°	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2
2.5°	5868.3	5885.5	6105.0	6133.0	6240.6	6350.3	6572.0	6731.2	6860.3	6944.3	6967.9
5°	4966.6	5076.4	5177.5	5341.1	5489.6	5700.4	5943.6	6244.9	6623.6	6817.3	6894.8
7.5°	3888.5	4017.6	4164.0	4323.2	4540.6	4919.3	5244.2	5592.8	6077.0	6277.2	6580.6
10°	3174.1	3318.3	3511.9	3634.6	3897.1	4258.7	4637.4	5039.8	5502.5	5790.8	6141.6
12.5°	2806.1	2924.5	3103.1	3361.3	3557.1	3791.7	4073.6	4581.4	5244.2	5517.5	5758.5
15°	2399.4	2530.7	2737.2	3023.5	3258.0	3537.8	3854.1	4407.1	5113.0	5534.7	5739.2
17.5°	2063.7	2158.4	2375.7	2623.2	2892.2	3197.8	3651.8	4398.5	5250.7	5790.8	6124.4
20°	1831.3	1844.2	1962.6	2173.4	2539.3	2937.4	3527.0	4355.5	5691.8	6232.0	6653.7
22.5°	1685.0	1672.0	1674.2	1852.8	2108.9	2681.3	3331.2	4501.8	6193.2	6933.5	7217.6
25°	1611.8	1577.4	1555.8	1594.6	1827.0	2377.9	3182.7	4695.5	6733.4	7512.4	7861.0
27.5°	1573.1	1512.8	1469.8	1476.2	1646.2	2225.1	3090.2	4779.4	7269.2	8319.3	8442.0
30°	1558.0	1482.7	1420.3	1398.8	1510.7	2012.0	2892.2	4923.6	7749.1	8762.6	8868.1
32.5°	1504.2	1411.7	1351.4	1332.0	1377.2	1824.8	2750.2	5026.9	8173.0	9244.7	9208.1
35°	1441.8	1364.3	1289.0	1252.4	1284.7	1704.3	2636.1	4977.4	8672.3	9619.1	9599.7
37.5°	1435.3	1334.2	1271.8	1211.5	1209.4	1555.8	2481.2	5024.7	8990.7	10290.5	10025.8
40°	1379.4	1314.8	1233.1	1183.6	1155.6	1480.5	2330.5	4912.8	9457.7	10561.6	10301.3
42.5°	1381.5	1284.7	1213.7	1155.6	1127.6	1370.8	2227.2	4882.7	9621.3	11002.8	10430.4
45°	1347.1	1252.4	1192.2	1123.3	1108.2	1286.9	2128.3	4742.8	9909.6	11024.3	10269.0
47.5°	1312.7	1228.7	1164.2	1082.4	1048.0	1256.7	2050.8	4626.6	9759.0	10822.0	10045.2
50°	1289.0	1192.2	1131.9	1073.8	977.0	1205.1	1949.6	4598.7	9548.1	10548.7	9629.9
52.5°	1248.1	1162.0	1099.6	1054.4	899.5	1157.7	1910.9	4762.2	9806.3	10344.3	9509.4
55°	1209.4	1121.2	1041.5	953.3	834.9	1032.9	1803.3	4915.0	10182.9	10815.6	10055.9
57.5°	1168.5	1084.6	998.5	893.0	772.5	903.8	1691.4	4943.0	9477.1	9995.7	9545.9
60°	1114.7	1007.1	942.5	804.8	705.8	748.9	1340.6	4357.6	7351.0	8347.3	8362.4
62.5°	1054.4	938.2	882.3	720.9	637.0	645.6	1093.2	3662.6	5963.0	6909.8	7320.8
65°	974.8	862.9	796.2	667.1	587.5	559.5	800.5	2683.4	4529.8	5605.8	6072.7
67.5°	871.5	766.1	682.2	581.0	525.1	479.9	546.6	1510.7	2674.8	3763.7	3905.7
70°	761.8	671.4	583.2	499.2	436.8	404.6	400.3	669.2	1278.2	2025.0	2304.7
72.5°	600.4	535.8	464.8	402.4	361.5	314.2	286.2	277.6	432.5	824.2	1138.4
75°	430.4	376.6	335.7	294.8	264.7	238.9	217.3	198.0	180.8	206.6	284.1
77.5°	271.1	251.8	219.5	208.7	191.5	185.1	176.5	165.7	152.8	144.2	144.2
80°	182.9	170.0	159.2	157.1	150.6	148.5	150.6	139.9	127.0	116.2	120.5
82.5°	122.7	120.5	118.4	116.2	118.4	120.5	124.8	122.7	111.9	105.4	107.6
85°	73.2	77.5	81.8	86.1	94.7	83.9	68.9	58.1	51.6	47.3	45.2
87.5°	28.0	38.7	34.4	32.3	34.4	32.3	30.1	28.0	23.7	21.5	21.5
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°	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2	6589.2
2.5°	7125.0	7168.1	7204.6	7196.0	7120.7	7019.6	6978.7	6770.0	6726.9	6698.9
5°	7221.9	7471.5	7525.3	7493.0	7297.2	7049.7	6808.7	6503.1	6324.5	6318.0
7.5°	7043.2	7351.0	7447.8	7521.0	7260.6	6830.2	6417.0	5958.7	5846.8	5855.4
10°	6589.2	7079.8	7318.7	7394.0	7094.9	6722.6	6150.2	5685.4	5446.5	5442.2
12.5°	6337.4	6722.6	6789.3	6894.8	6806.5	6429.9	5995.3	5474.5	5242.1	5237.8
15°	6113.6	6367.5	6386.9	6535.4	6582.7	6328.8	6036.1	5480.9	5293.7	5274.4
17.5°	6309.4	6133.0	6059.8	6079.2	6219.1	6311.6	6272.9	5846.8	5655.3	5547.7
20°	6440.7	6046.9	5825.3	5846.8	6012.5	6350.3	6625.8	6376.1	6072.7	6085.6
22.5°	6791.5	6059.8	5713.4	5689.7	5952.2	6552.6	7023.9	7045.4	6752.7	6681.7
25°	7316.5	6208.3	5678.9	5672.5	5924.2	6770.0	7488.7	7837.3	7538.2	7406.9
27.5°	7738.3	6440.7	5786.5	5808.0	6012.5	6946.4	7884.6	8347.3	8119.2	7957.8
30°	8108.4	6681.7	5937.2	5838.2	6249.2	7038.9	8054.6	8928.3	8745.4	8612.0
32.5°	8261.2	7023.9	6176.0	6012.5	6445.0	7150.8	8407.6	9492.1	9335.0	9005.8
35°	8519.5	7215.4	6305.1	6292.2	6787.2	7419.8	8573.3	9864.4	9799.9	9507.2
37.5°	8726.0	7409.1	6763.5	6621.5	7256.3	7871.7	8840.1	10378.7	10230.2	10092.5
40°	8885.3	7755.5	7191.7	7378.9	7833.0	8282.8	9085.4	10411.0	10839.2	10439.0
42.5°	8739.0	8065.4	7895.4	8343.0	8773.4	8751.9	9113.4	10660.6	10981.3	10772.5
45°	8702.4	8590.5	9008.0	9414.7	9513.7	9141.4	8913.3	10385.2	10938.2	10845.7
47.5°	8614.1	9106.9	9834.3	10497.1	10346.4	9401.8	8674.4	10335.7	10964.1	10798.4
50°	8584.0	9218.8	10445.4	11091.0	11000.6	9627.7	8562.5	10017.2	10781.1	10766.1
52.5°	8581.9	9449.1	10699.4	11413.8	11469.8	9984.9	8715.3	10178.6	10923.2	11050.1
55°	8678.7	9375.9	10667.1	11235.2	11213.7	9825.7	8732.5	10286.2	11097.5	11222.3
57.5°	8185.9	8399.0	8803.5	9253.3	9137.1	8138.6	7798.6	9509.4	10185.1	10094.7
60°	7069.1	6402.0	5945.8	5924.2	5698.3	5386.3	6382.6	8487.2	8487.2	8399.0
62.5°	6191.1	4202.7	3610.9	3443.1	3604.5	3963.8	6156.7	8254.8	8020.2	7919.1
65°	5414.2	3208.5	2610.3	2562.9	2842.7	3385.0	5567.0	7032.5	6619.3	6283.6
67.5°	3484.0	2349.9	1941.0	1857.1	2195.0	2485.5	3705.6	4325.4	4065.0	3933.7
70°	2246.6	1530.0	1080.3	1013.6	1144.8	1532.2	2367.1	2522.1	2143.3	2055.1
72.5°	1063.1	660.6	378.7	312.0	350.8	585.3	936.1	1007.1	837.1	766.1
75°	337.9	243.2	154.9	133.4	127.0	150.6	215.2	165.7	120.5	118.4
77.5°	150.6	144.2	122.7	103.3	90.4	75.3	62.4	51.6	53.8	56.0
80°	124.8	114.1	101.1	90.4	75.3	58.1	45.2	34.4	34.4	36.6
82.5°	109.7	99.0	88.2	75.3	64.6	47.3	34.4	23.7	21.5	21.5
85°	47.3	56.0	60.3	64.6	51.6	38.7	23.7	15.1	12.9	12.9
87.5°	19.4	17.2	15.1	12.9	10.8	10.8	8.6	6.5	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)