

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: P530916

Luminaire Tested: **GALN-SA6A-830-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530916
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-830-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 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: 16049 lumens
Efficiency: N/A
Efficacy: 88.2 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



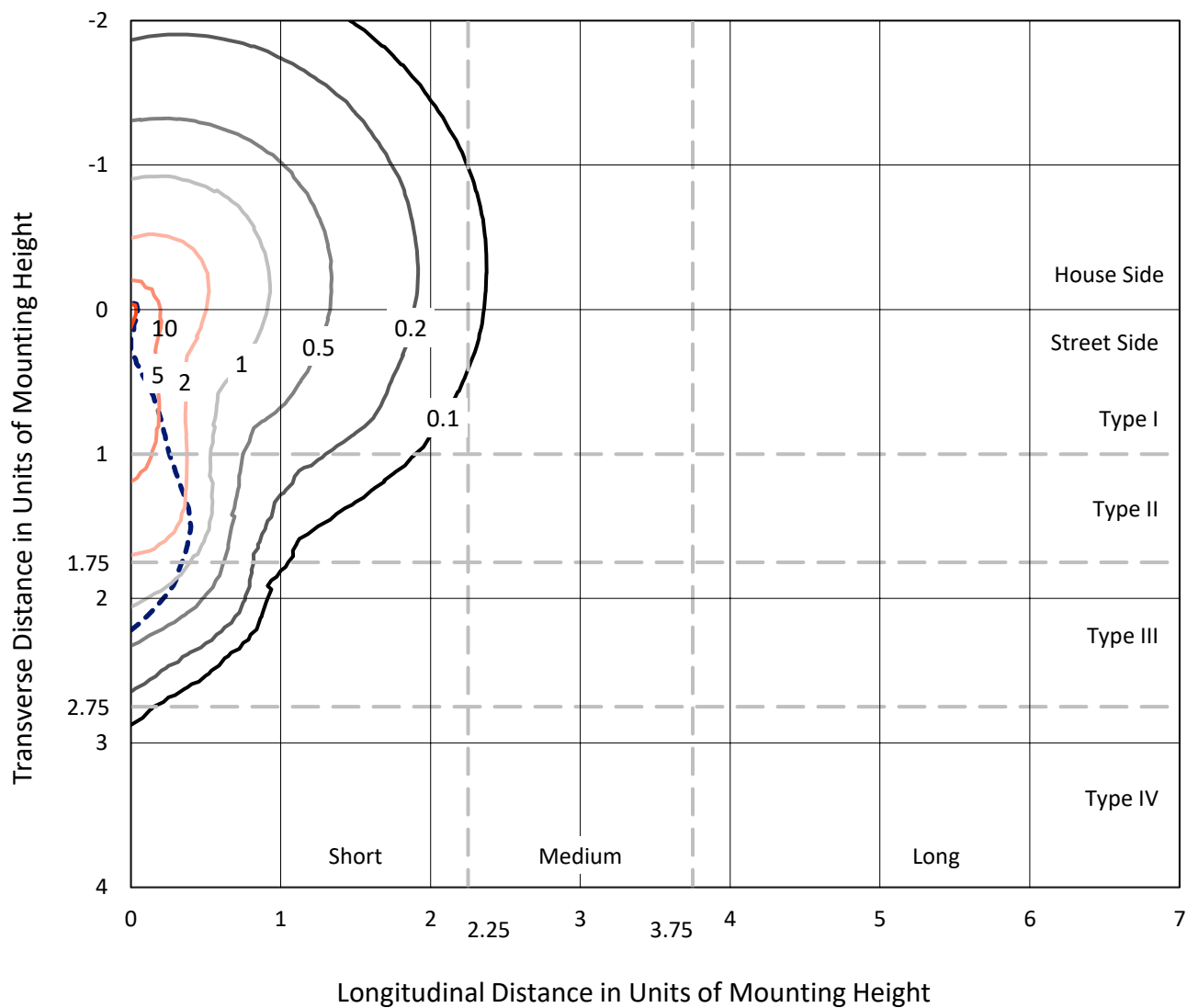
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

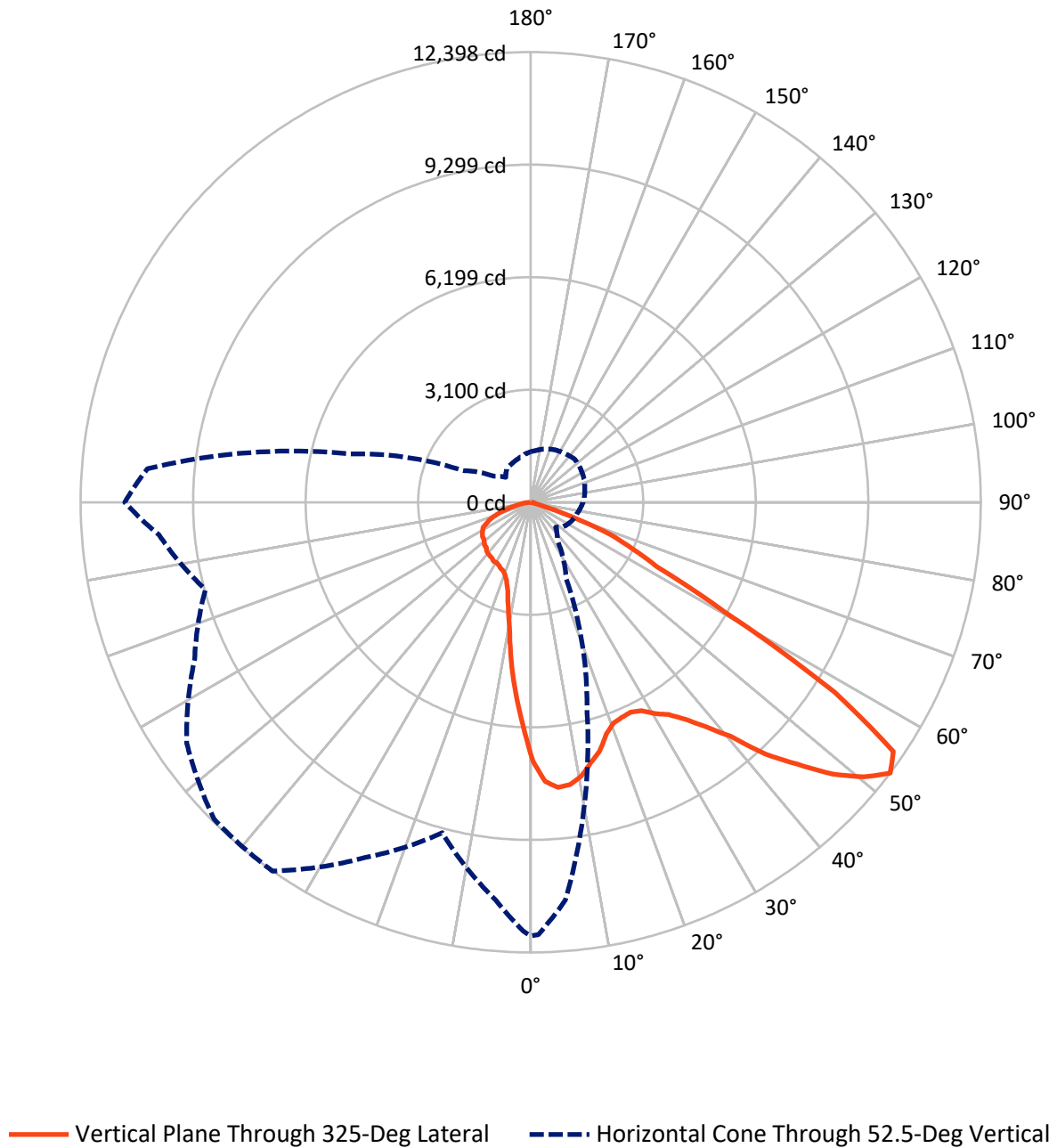


Based on 25 foot mounting height. Maximum calculated value = 11.4 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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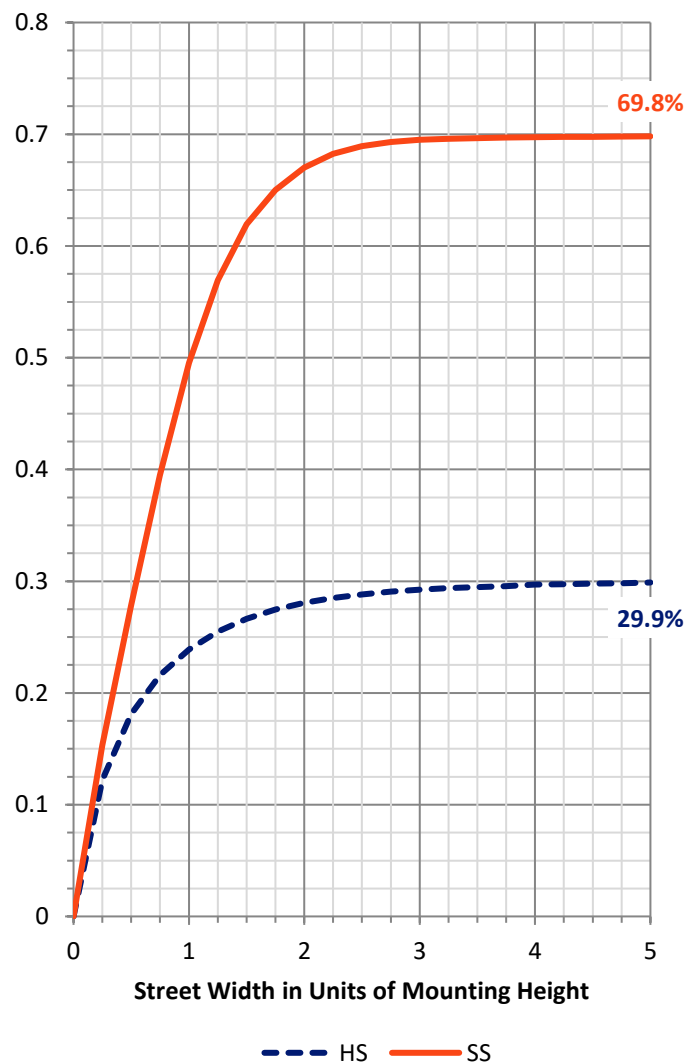
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4838.1	0.0	4838.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	11210.9	0.0	11210.9
	% Fixture	69.9	0.0	69.9
Total	Lumens	16049.0	0.0	16049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.4	3.4
10°-20°	1178.0	7.3
20°-30°	1779.9	11.1
30°-40°	2572.0	16.0
40°-50°	3422.8	21.3
50°-60°	3828.5	23.9
60°-70°	2157.7	13.4
70°-80°	481.0	3.0
80°-90°	85.7	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°	16049.0	100.0
0°-180°	16049.0	100.0

Coefficient of Utilization



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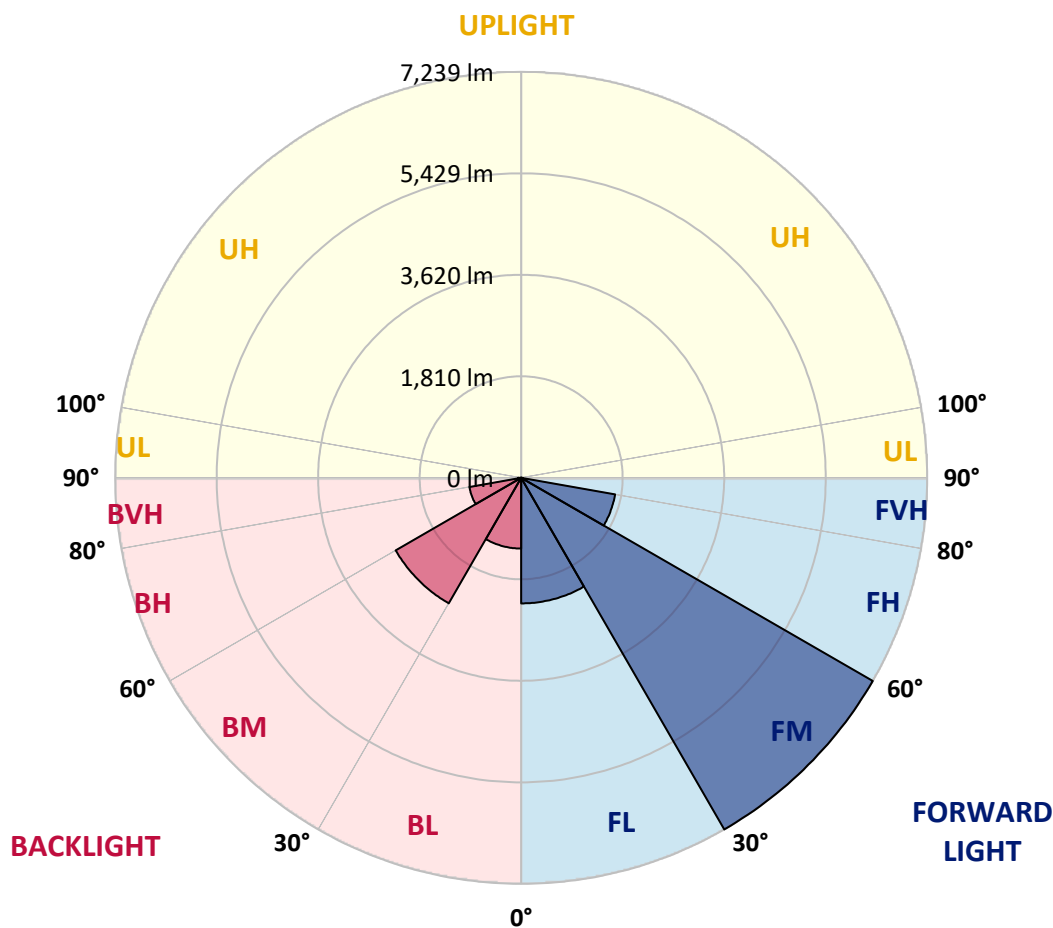
CATALOG NUMBER: GALN-SA6A-830-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2239.6	14.0			
FM	(30°-60°)	7239.3	45.1			
FH	(60°-80°)	1701.0	10.6			G1/1800
FVH	(80°-90°)	31.0	0.2			G1/100
BL	(0°-30°)	1261.7	7.9	B3/2500		
BM	(30°-60°)	2584.0	16.1	B3/5000		
BH	(60°-80°)	937.8	5.8	B2/1000		G2/1000
BVH	(80°-90°)	54.6	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°	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6
2.5°	7241.3	7357.6	7232.0	7008.7	6850.5	6706.3	6555.1	6524.8	6327.1	6292.2	6148.0
5°	6829.6	6804.0	6650.4	6357.3	6034.0	5740.9	5524.6	5315.2	5173.3	5008.2	4996.6
7.5°	6329.4	6180.6	6092.2	5647.9	5247.8	4787.2	4589.5	4270.8	4170.8	4021.9	3945.1
10°	5882.8	5773.5	5566.5	5122.2	4563.9	4259.2	4047.5	3875.4	3759.0	3605.5	3412.4
12.5°	5661.8	5617.6	5385.0	4696.5	4282.4	3956.8	3807.9	3640.4	3442.7	3196.1	3100.7
15°	5701.4	5552.5	5375.7	4615.1	4042.8	3728.8	3491.5	3282.2	3028.6	2793.7	2656.5
17.5°	5996.8	5882.8	5529.2	4666.2	3952.1	3498.5	3068.2	2758.8	2530.8	2319.2	2223.8
20°	6578.3	6413.2	6015.4	4731.4	3756.7	3177.5	2684.4	2302.9	2058.6	1947.0	1914.4
22.5°	7222.7	7125.0	6489.9	4877.9	3600.9	2879.8	2277.3	1895.8	1805.1	1774.8	1835.3
25°	8006.6	7753.0	7227.3	5117.5	3479.9	2626.2	1933.0	1721.3	1674.8	1705.1	1774.8
27.5°	8602.1	8534.6	7743.7	5343.1	3314.8	2321.5	1740.0	1600.4	1614.3	1644.6	1709.7
30°	9309.2	8967.3	8243.8	5499.0	3165.9	2112.1	1605.0	1567.8	1581.8	1633.0	1665.5
32.5°	9734.9	9607.0	8557.9	5733.9	2993.7	1930.7	1500.4	1465.5	1486.4	1563.2	1639.9
35°	10276.9	10023.3	8946.3	5794.4	2872.8	1858.6	1425.9	1400.3	1449.2	1502.7	1588.8
37.5°	10909.6	10735.1	9483.7	5752.5	2807.7	1784.2	1363.1	1351.5	1386.4	1460.8	1560.8
40°	11284.1	11230.6	9765.1	5778.1	2705.3	1719.0	1291.0	1305.0	1377.1	1435.2	1532.9
42.5°	11644.7	11295.7	10181.5	5768.8	2640.2	1630.6	1298.0	1281.7	1337.5	1405.0	1498.0
45°	11723.8	11377.2	10279.2	5703.7	2561.1	1544.6	1244.5	1251.5	1318.9	1402.7	1463.1
47.5°	11672.6	11416.7	10460.7	5685.1	2486.6	1484.1	1165.4	1249.1	1288.7	1356.1	1442.2
50°	11637.7	11623.7	10614.2	5773.5	2386.6	1388.7	1070.0	1218.9	1258.4	1325.9	1418.9
52.5°	11944.7	11914.5	10998.0	6006.1	2307.5	1286.4	972.3	1142.1	1237.5	1302.6	1393.4
55°	12130.8	11998.2	11656.3	6292.2	2174.9	1151.4	904.9	1046.8	1186.3	1244.5	1337.5
57.5°	10911.9	10821.2	10544.4	5873.5	1951.6	974.7	821.1	949.1	1116.5	1207.3	1302.6
60°	9078.9	8937.0	8227.6	4991.9	1439.9	758.3	770.0	872.3	1097.9	1132.8	1244.5
62.5°	8560.2	8209.0	7243.6	4017.2	1104.9	651.3	690.9	802.5	1000.2	1058.4	1170.0
65°	6792.3	6531.8	5182.6	2900.7	739.7	565.3	630.4	723.4	863.0	977.0	1079.3
67.5°	4252.2	4003.3	2765.8	1372.4	516.4	483.8	562.9	660.6	774.6	877.0	990.9
70°	2221.5	1949.3	1277.1	495.5	355.9	395.4	469.9	562.9	674.6	758.3	846.7
72.5°	828.1	672.3	416.4	214.0	246.6	302.4	381.5	448.9	528.0	630.4	679.2
75°	127.9	109.3	107.0	130.3	167.5	218.7	272.2	339.6	409.4	474.5	507.1
77.5°	60.5	58.2	65.1	86.1	111.7	155.9	197.7	262.9	318.7	360.6	379.2
80°	39.5	37.2	41.9	58.2	83.7	116.3	158.2	202.4	253.5	288.4	283.8
82.5°	23.3	25.6	25.6	39.5	58.2	83.7	114.0	153.5	188.4	218.7	200.0
85°	14.0	11.6	11.6	23.3	39.5	67.5	95.4	65.1	67.5	67.5	76.8
87.5°	4.7	4.7	4.7	2.3	4.7	4.7	7.0	11.6	14.0	16.3	20.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6
2.5°	6143.3	6215.4	6189.9	6099.1	6168.9	6180.6	6134.0	6294.5	6324.8	6275.9	6289.9
5°	4980.3	4998.9	5040.7	5129.1	5191.9	5266.4	5266.4	5271.0	5208.2	5366.4	5319.9
7.5°	3880.0	3891.6	3940.5	4128.9	4182.4	4324.3	4384.8	4342.9	4217.3	4163.8	4208.0
10°	3349.6	3282.2	3265.9	3289.2	3410.1	3470.6	3521.8	3507.8	3486.9	3445.0	3398.5
12.5°	2996.1	2947.2	2907.7	2851.8	2858.8	2917.0	2956.5	2924.0	2933.3	2942.6	2956.5
15°	2612.3	2577.4	2556.4	2472.7	2463.4	2502.9	2516.9	2535.5	2570.4	2572.7	2556.4
17.5°	2205.2	2174.9	2221.5	2268.0	2235.4	2237.7	2263.3	2279.6	2270.3	2228.4	2207.5
20°	1926.0	1958.6	2005.1	2049.3	2084.2	2105.2	2114.5	2088.9	2058.6	1972.6	1970.2
22.5°	1844.6	1886.5	1926.0	1993.5	2026.1	2079.6	2030.7	1972.6	1930.7	1888.8	1840.0
25°	1784.2	1819.0	1898.1	1923.7	1986.5	2030.7	1995.8	1937.7	1865.6	1805.1	1767.9
27.5°	1740.0	1779.5	1830.7	1900.5	1949.3	1974.9	1940.0	1916.7	1842.3	1770.2	1716.7
30°	1712.0	1753.9	1847.0	1905.1	1947.0	1967.9	1907.4	1879.5	1826.0	1765.5	1719.0
32.5°	1693.4	1730.6	1809.7	1884.2	1912.1	1912.1	1921.4	1888.8	1814.4	1712.0	1672.5
35°	1633.0	1684.1	1749.3	1835.3	1886.5	1916.7	1870.2	1833.0	1784.2	1679.5	1607.4
37.5°	1598.1	1633.0	1716.7	1798.1	1842.3	1874.9	1856.3	1791.1	1726.0	1639.9	1581.8
40°	1560.8	1616.7	1691.1	1767.9	1816.7	1849.3	1835.3	1758.6	1679.5	1598.1	1558.5
42.5°	1535.3	1572.5	1649.2	1735.3	1793.5	1856.3	1814.4	1719.0	1663.2	1551.5	1507.3
45°	1514.3	1574.8	1656.2	1691.1	1751.6	1816.7	1742.3	1684.1	1619.0	1537.6	1500.4
47.5°	1488.7	1544.6	1598.1	1691.1	1719.0	1749.3	1735.3	1642.3	1586.4	1498.0	1472.4
50°	1479.4	1500.4	1598.1	1649.2	1688.8	1719.0	1681.8	1612.0	1558.5	1467.8	1412.0
52.5°	1442.2	1481.8	1544.6	1612.0	1660.9	1698.1	1637.6	1593.4	1521.3	1425.9	1391.0
55°	1395.7	1418.9	1530.6	1600.4	1626.0	1651.6	1628.3	1556.2	1481.8	1384.1	1349.2
57.5°	1335.2	1388.7	1479.4	1577.1	1609.7	1623.6	1586.4	1528.3	1435.2	1349.2	1293.3
60°	1272.4	1328.2	1428.3	1507.3	1539.9	1591.1	1535.3	1500.4	1393.4	1298.0	1237.5
62.5°	1209.6	1272.4	1346.8	1446.9	1474.8	1495.7	1481.8	1432.9	1346.8	1239.8	1165.4
65°	1135.2	1181.7	1274.7	1325.9	1344.5	1393.4	1344.5	1325.9	1249.1	1146.8	1084.0
67.5°	1023.5	1063.0	1144.5	1193.3	1207.3	1228.2	1225.9	1204.9	1118.9	1049.1	993.3
70°	895.6	930.5	981.6	1039.8	1046.8	1072.4	1049.1	1044.4	988.6	893.2	863.0
72.5°	718.8	751.3	818.8	844.4	846.7	856.0	844.4	828.1	814.1	714.1	683.9
75°	551.3	569.9	602.5	625.7	625.7	637.4	630.4	614.1	576.9	514.1	483.8
77.5°	383.8	402.4	444.3	458.2	455.9	460.6	439.6	423.4	367.5	335.0	309.4
80°	279.1	290.8	311.7	321.0	323.3	330.3	304.7	290.8	258.2	221.0	209.4
82.5°	202.4	209.4	211.7	223.3	223.3	211.7	204.7	190.7	167.5	144.2	134.9
85°	83.7	86.1	88.4	102.4	104.7	125.6	116.3	109.3	95.4	81.4	74.4
87.5°	20.9	23.3	30.2	25.6	30.2	30.2	32.6	37.2	37.2	30.2	30.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6
2.5°	6343.4	6362.0	6599.3	6629.5	6745.8	6864.4	7104.0	7276.2	7415.7	7506.5	7532.0
5°	5368.7	5487.4	5596.7	5773.5	5934.0	6161.9	6424.8	6750.5	7159.9	7369.2	7453.0
7.5°	4203.3	4342.9	4501.1	4673.2	4908.2	5317.6	5668.8	6045.6	6569.0	6785.4	7113.3
10°	3431.1	3586.9	3796.3	3928.9	4212.6	4603.4	5012.8	5447.8	5947.9	6259.6	6638.8
12.5°	3033.3	3161.2	3354.3	3633.4	3845.1	4098.7	4403.4	4952.4	5668.8	5964.2	6224.8
15°	2593.6	2735.5	2958.9	3268.2	3521.8	3824.2	4166.1	4763.9	5526.9	5982.8	6203.8
17.5°	2230.8	2333.1	2568.1	2835.6	3126.3	3456.6	3947.5	4754.6	5675.8	6259.6	6620.2
20°	1979.5	1993.5	2121.4	2349.4	2744.8	3175.2	3812.5	4708.1	6152.6	6736.5	7192.4
22.5°	1821.4	1807.4	1809.7	2002.8	2279.6	2898.4	3600.9	4866.3	6694.6	7494.8	7801.9
25°	1742.3	1705.1	1681.8	1723.7	1974.9	2570.4	3440.4	5075.6	7278.5	8120.6	8497.4
27.5°	1700.4	1635.3	1588.8	1595.7	1779.5	2405.2	3340.3	5166.4	7857.7	8992.9	9125.5
30°	1684.1	1602.7	1535.3	1512.0	1633.0	2174.9	3126.3	5322.2	8376.4	9472.0	9586.0
32.5°	1626.0	1525.9	1460.8	1439.9	1488.7	1972.6	2972.8	5433.9	8834.7	9993.1	9953.6
35°	1558.5	1474.8	1393.4	1353.8	1388.7	1842.3	2849.5	5380.4	9374.3	10397.9	10376.9
37.5°	1551.5	1442.2	1374.7	1309.6	1307.3	1681.8	2682.0	5431.5	9718.6	11123.6	10837.5
40°	1491.1	1421.3	1332.9	1279.4	1249.1	1600.4	2519.2	5310.6	10223.4	11416.7	11135.2
42.5°	1493.4	1388.7	1311.9	1249.1	1218.9	1481.8	2407.6	5278.0	10400.2	11893.6	11274.8
45°	1456.2	1353.8	1288.7	1214.2	1198.0	1391.0	2300.6	5126.8	10711.9	11916.8	11100.3
47.5°	1418.9	1328.2	1258.4	1170.0	1132.8	1358.5	2216.8	5001.2	10549.1	11698.2	10858.4
50°	1393.4	1288.7	1223.6	1160.7	1056.1	1302.6	2107.5	4971.0	10321.1	11402.7	10409.5
52.5°	1349.2	1256.1	1188.7	1139.8	972.3	1251.5	2065.6	5147.8	10600.2	11181.8	10279.2
55°	1307.3	1211.9	1125.9	1030.5	902.5	1116.5	1949.3	5312.9	11007.3	11691.2	10870.1
57.5°	1263.1	1172.4	1079.3	965.3	835.1	977.0	1828.3	5343.1	10244.3	10804.9	10318.8
60°	1204.9	1088.6	1018.8	870.0	763.0	809.5	1449.2	4710.4	7946.1	9023.1	9039.4
62.5°	1139.8	1014.2	953.7	779.3	688.5	697.8	1181.7	3959.1	6445.7	7469.2	7913.5
65°	1053.7	932.8	860.7	721.1	635.0	604.8	865.3	2900.7	4896.5	6059.6	6564.4
67.5°	942.1	828.1	737.4	628.1	567.6	518.7	590.8	1633.0	2891.4	4068.4	4221.9
70°	823.5	725.8	630.4	539.7	472.2	437.3	432.7	723.4	1381.7	2188.9	2491.3
72.5°	649.0	579.2	502.4	435.0	390.8	339.6	309.4	300.1	467.6	890.9	1230.5
75°	465.2	407.1	362.9	318.7	286.1	258.2	234.9	214.0	195.4	223.3	307.1
77.5°	293.1	272.2	237.3	225.6	207.0	200.0	190.7	179.1	165.2	155.9	155.9
80°	197.7	183.8	172.1	169.8	162.8	160.5	162.8	151.2	137.2	125.6	130.3
82.5°	132.6	130.3	127.9	125.6	127.9	130.3	134.9	132.6	121.0	114.0	116.3
85°	79.1	83.7	88.4	93.0	102.4	90.7	74.4	62.8	55.8	51.2	48.8
87.5°	30.2	41.9	37.2	34.9	37.2	34.9	32.6	30.2	25.6	23.3	23.3
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°	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6	7122.6
2.5°	7701.9	7748.4	7787.9	7778.6	7697.2	7587.9	7543.7	7318.0	7271.5	7241.3
5°	7806.5	8076.4	8134.5	8099.6	7887.9	7620.4	7359.9	7029.6	6836.5	6829.6
7.5°	7613.5	7946.1	8050.8	8129.9	7848.4	7383.2	6936.6	6441.1	6320.1	6329.4
10°	7122.6	7653.0	7911.2	7992.6	7669.3	7266.9	6648.1	6145.7	5887.5	5882.8
12.5°	6850.5	7266.9	7339.0	7453.0	7357.6	6950.5	6480.6	5917.7	5666.5	5661.8
15°	6608.6	6883.1	6904.0	7064.5	7115.7	6841.2	6524.8	5924.7	5722.3	5701.4
17.5°	6820.2	6629.5	6550.4	6571.3	6722.5	6822.6	6780.7	6320.1	6113.1	5996.8
20°	6962.1	6536.5	6296.9	6320.1	6499.2	6864.4	7162.2	6892.4	6564.4	6578.3
22.5°	7341.3	6550.4	6175.9	6150.3	6434.1	7083.1	7592.5	7615.8	7299.4	7222.7
25°	7908.9	6710.9	6138.7	6131.7	6403.9	7318.0	8095.0	8471.8	8148.5	8006.6
27.5°	8364.8	6962.1	6255.0	6278.3	6499.2	7508.8	8523.0	9023.1	8776.5	8602.1
30°	8764.9	7222.7	6417.8	6310.8	6755.1	7608.8	8706.7	9651.2	9453.4	9309.2
32.5°	8930.1	7592.5	6676.0	6499.2	6966.8	7729.8	9088.2	10260.6	10090.8	9734.9
35°	9209.2	7799.6	6815.6	6801.6	7336.6	8020.5	9267.3	10663.0	10593.2	10276.9
37.5°	9432.5	8008.9	7311.1	7157.5	7843.7	8509.0	9555.8	11219.0	11058.5	10909.6
40°	9604.6	8383.4	7774.0	7976.3	8467.2	8953.3	9821.0	11253.9	11716.8	11284.1
42.5°	9446.5	8718.4	8534.6	9018.5	9483.7	9460.4	9851.2	11523.7	11870.3	11644.7
45°	9406.9	9286.0	9737.2	10176.9	10283.9	9881.4	9634.9	11226.0	11823.8	11723.8
47.5°	9311.5	9844.2	10630.5	11346.9	11184.1	10162.9	9376.7	11172.5	11851.7	11672.6
50°	9279.0	9965.2	11291.1	11988.9	11891.2	10407.2	9255.7	10828.2	11654.0	11637.7
52.5°	9276.7	10214.1	11565.6	12337.9	12398.3	10793.3	9420.9	11002.6	11807.5	11944.7
55°	9381.3	10135.0	11530.7	12144.8	12121.5	10621.2	9439.5	11119.0	11995.9	12130.8
57.5°	8848.6	9078.9	9516.2	10002.4	9876.8	8797.5	8429.9	10279.2	11009.6	10911.9
60°	7641.4	6920.3	6427.1	6403.9	6159.6	5822.3	6899.3	9174.3	9174.3	9078.9
62.5°	6692.3	4543.0	3903.3	3721.8	3896.3	4284.8	6655.1	8923.1	8669.5	8560.2
65°	5852.6	3468.3	2821.6	2770.4	3072.8	3659.0	6017.7	7601.8	7155.2	6792.3
67.5°	3766.0	2540.1	2098.2	2007.5	2372.7	2686.7	4005.6	4675.5	4394.1	4252.2
70°	2428.5	1653.9	1167.7	1095.6	1237.5	1656.2	2558.8	2726.2	2316.8	2221.5
72.5°	1149.1	714.1	409.4	337.3	379.2	632.7	1011.9	1088.6	904.9	828.1
75°	365.2	262.9	167.5	144.2	137.2	162.8	232.6	179.1	130.3	127.9
77.5°	162.8	155.9	132.6	111.7	97.7	81.4	67.5	55.8	58.2	60.5
80°	134.9	123.3	109.3	97.7	81.4	62.8	48.8	37.2	37.2	39.5
82.5°	118.6	107.0	95.4	81.4	69.8	51.2	37.2	25.6	23.3	23.3
85°	51.2	60.5	65.1	69.8	55.8	41.9	25.6	16.3	14.0	14.0
87.5°	20.9	18.6	16.3	14.0	11.6	11.6	9.3	7.0	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)