

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: P530082

Luminaire Tested: **GALN-SA5B-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19770 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

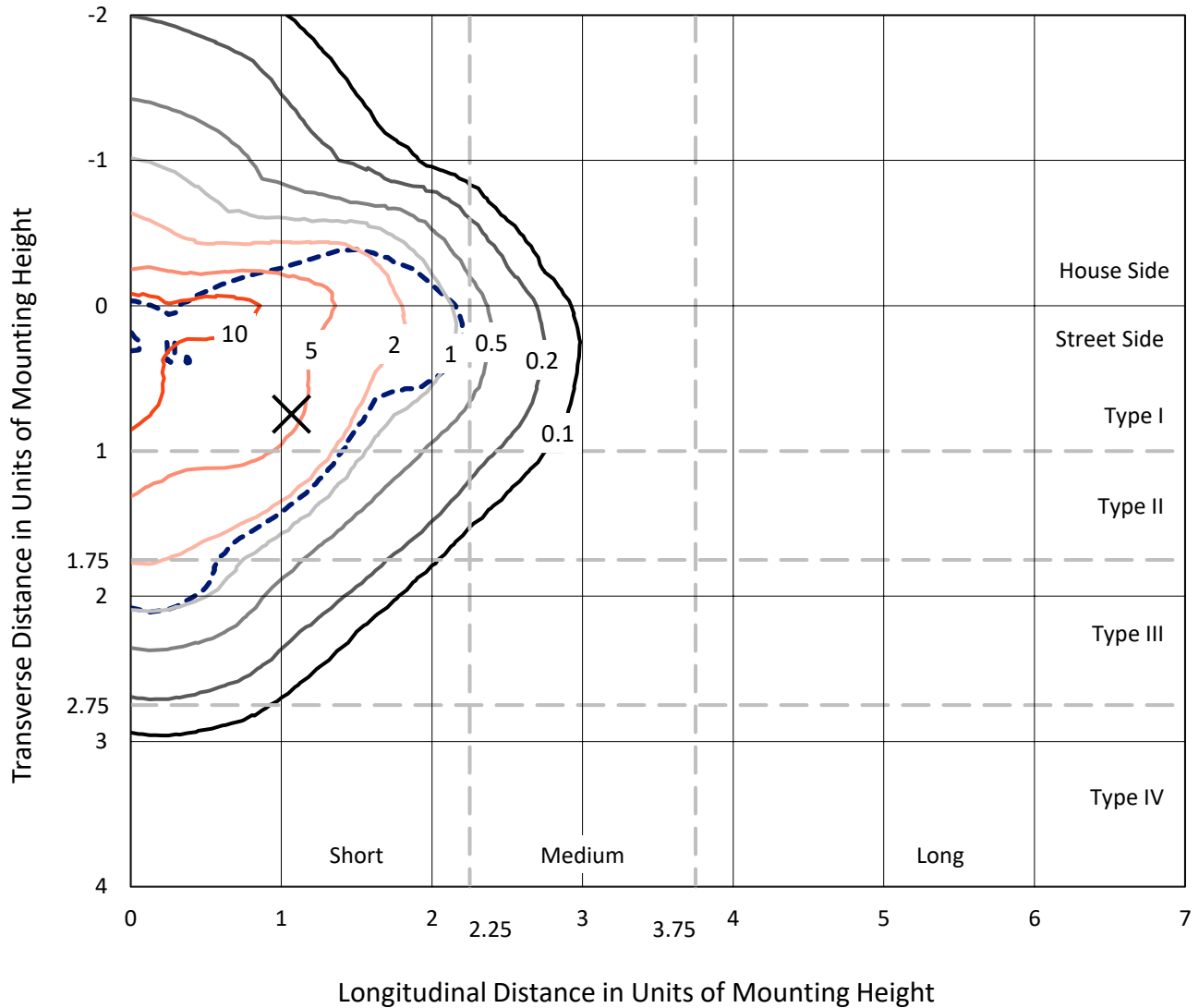
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

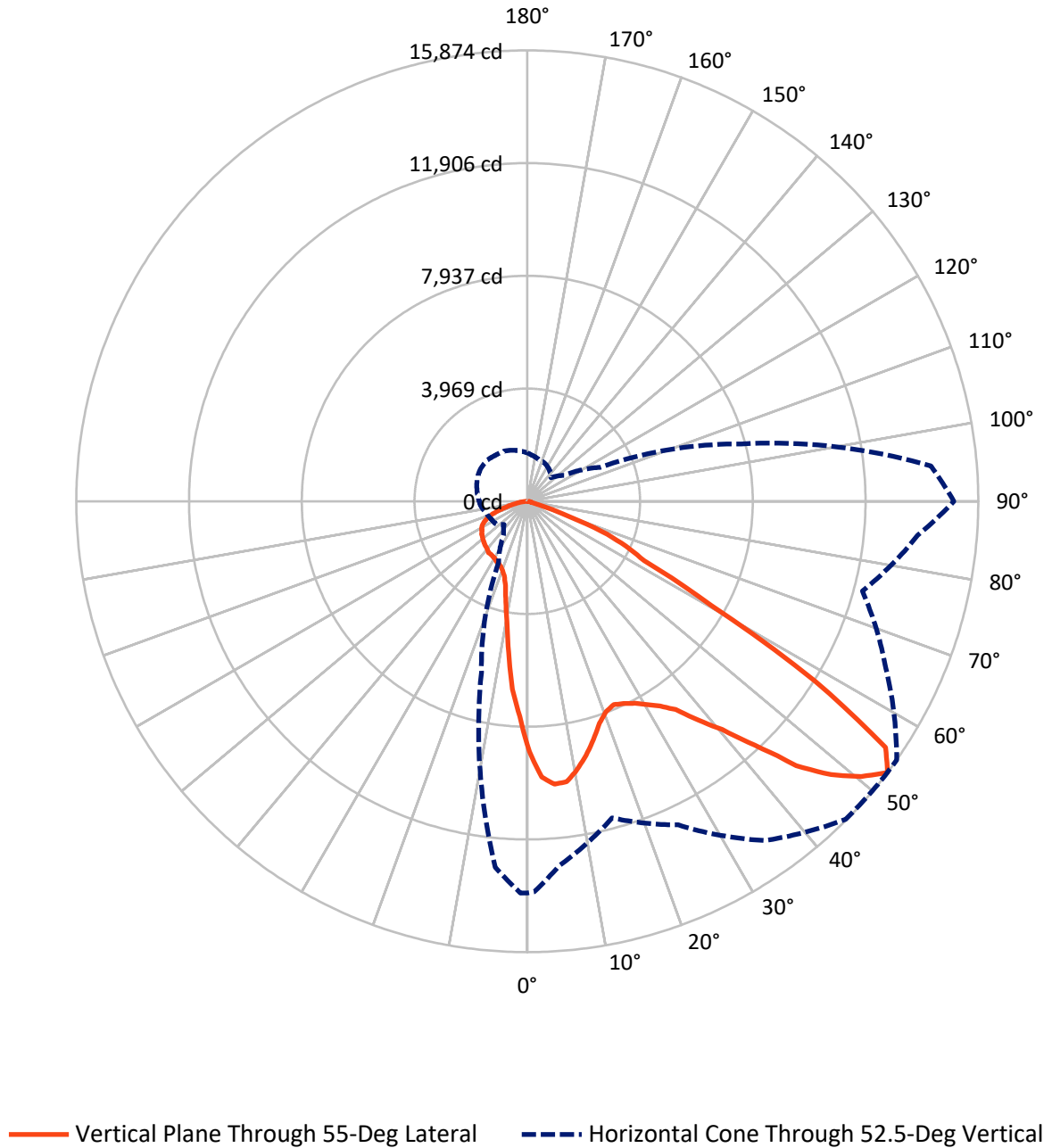
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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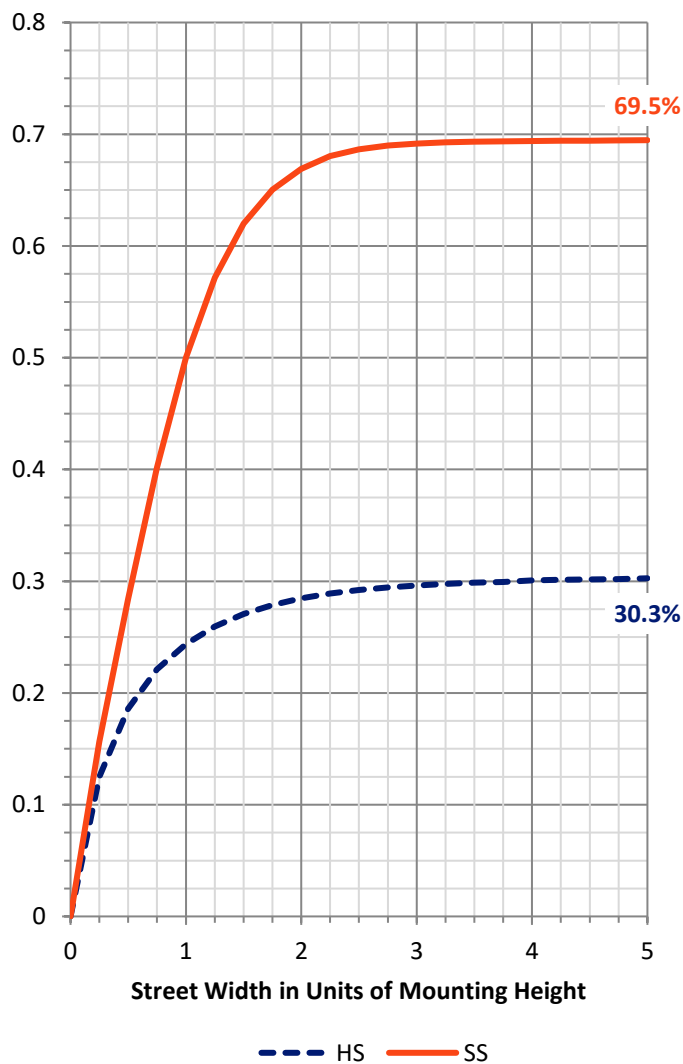
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6030.9	0.0	6030.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	13739.1	0.0	13739.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	19770.0	0.0	19770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.8	3.4
10°-20°	1452.7	7.3
20°-30°	2202.8	11.1
30°-40°	3182.6	16.1
40°-50°	4252.9	21.5
50°-60°	4747.2	24.0
60°-70°	2604.0	13.2
70°-80°	563.0	2.8
80°-90°	91.1	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°	19770.0	100.0
0°-180°	19770.0	100.0

Coefficient of Utilization



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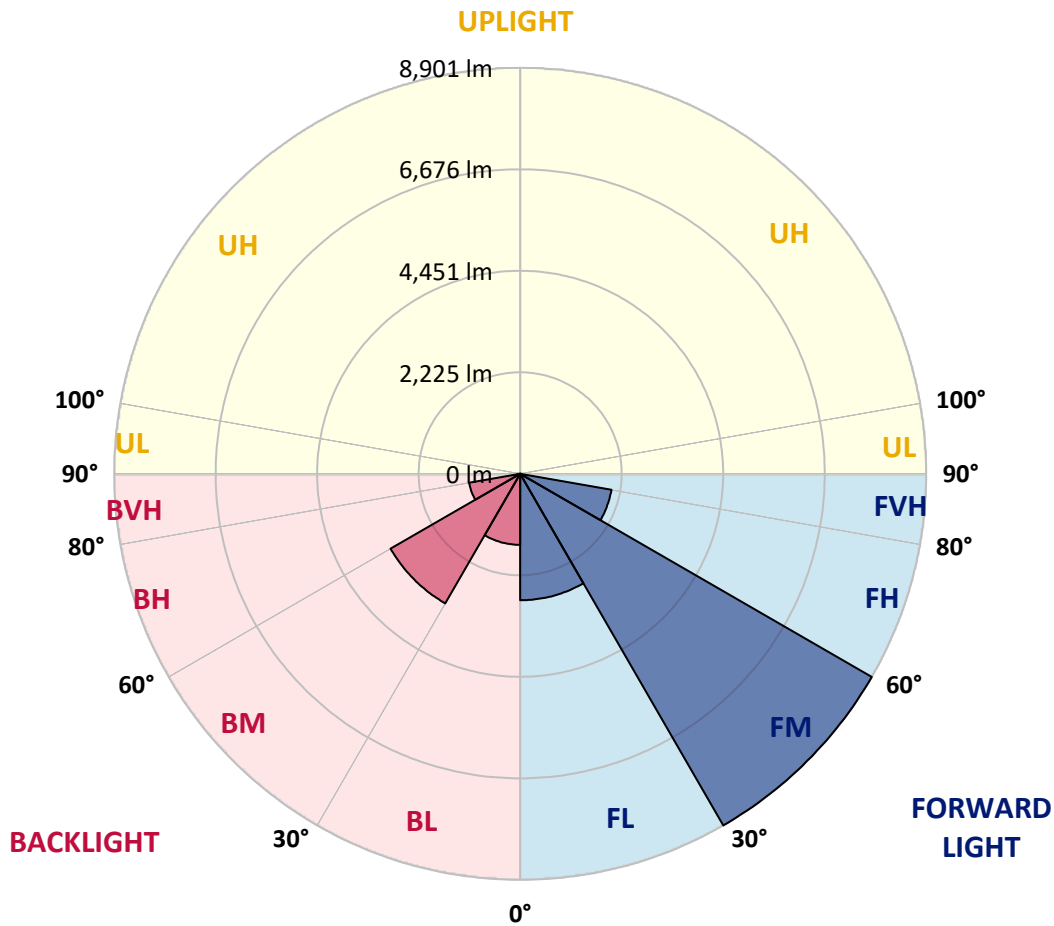
CATALOG NUMBER: GALN-SA5B-735-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2772.1	14.0			
FM (30°-60°)	8901.4	45.0			
FH (60°-80°)	2031.9	10.3			G2/5000
FVH (80°-90°)	33.7	0.2			G1/100
BL (0°-30°)	1557.1	7.9	B3/2500		
BM (30°-60°)	3281.3	16.6	B3/5000		
BH (60°-80°)	1135.2	5.7	B3/2500		G3/2500
BVH (80°-90°)	57.4	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9
2.5°	9254.8	9202.9	9249.1	9468.5	9595.5	9682.1	9736.9	9728.3	9520.4	9318.4	9318.4
5°	8983.5	8917.1	9012.4	9508.9	10008.3	10051.6	10123.7	10005.4	9699.4	9329.9	8868.0
7.5°	8198.3	8247.4	8406.1	9058.5	9708.1	10034.3	10120.9	9970.8	9474.2	8784.3	8105.9
10°	7519.9	7635.4	8002.0	8706.4	9303.9	9728.3	9823.5	9612.8	9220.2	8374.4	7768.2
12.5°	7286.1	7213.9	7621.0	8325.3	8896.9	9124.9	9168.2	9182.7	8917.1	8166.5	7427.5
15°	7257.2	7303.4	7621.0	8155.0	8507.2	8518.7	8590.9	8703.5	8738.1	8308.0	7586.3
17.5°	7672.9	7618.1	7944.3	8368.6	8201.2	8033.8	8051.1	8212.7	8498.5	8429.2	8085.7
20°	8287.8	8411.9	8668.8	8625.5	8175.2	7750.9	7753.7	7906.7	8469.7	8931.5	8781.4
22.5°	9309.7	9430.9	9621.5	9099.0	8175.2	7667.1	7569.0	7776.8	8654.4	9529.1	9566.6
25°	10242.1	10464.4	10516.3	9901.5	8585.1	7745.1	7681.6	7886.5	8839.2	10112.2	10467.3
27.5°	11090.8	11171.6	11399.7	10418.2	8813.2	7797.0	7791.3	8054.0	9073.0	10403.8	11272.7
30°	11760.5	11751.9	11881.8	10744.4	9176.9	8088.6	7808.6	8305.1	9379.0	10885.8	12017.4
32.5°	12216.6	12314.8	12589.0	11197.6	9329.9	8365.7	8146.3	8599.6	9751.4	11113.9	12542.8
35°	13019.1	13189.5	12843.0	11448.8	9814.9	8640.0	8383.1	9000.8	9936.1	11362.2	13186.6
37.5°	13775.5	13645.6	13293.4	11584.4	10129.5	9148.0	8908.4	9777.3	10510.6	11902.0	13613.8
40°	14260.4	14257.5	13631.1	11694.1	10351.8	9924.6	9910.1	10565.4	11214.9	12242.6	14093.0
42.5°	14471.2	14673.2	13769.7	11682.6	10819.5	10865.6	11157.2	11743.2	11714.3	12311.9	14081.5
44°	14759.8	14881.1	14009.3	11708.6	11131.2	11500.7	12187.8	12560.1	12150.2	12274.4	14067.0
45°	14748.3	14756.9	13668.6	11743.2	11396.8	12031.9	12646.7	13276.1	12534.2	12193.5	14257.5
47.5°	14410.5	14312.4	13380.0	11486.3	12225.3	13434.8	14003.5	14384.6	13007.6	12020.3	14020.8
50°	13743.7	13631.1	12678.5	11376.6	12398.5	14306.6	15091.8	15230.4	13437.7	11850.0	13787.0
52.5°	13789.9	13758.1	12877.7	11541.1	12571.7	14580.9	15839.5	15874.1	13925.6	12208.0	13789.9
55°	14615.5	14505.8	13449.3	11746.1	12444.7	14260.4	15363.2	15302.5	13761.0	11991.5	14043.9
57.5°	13374.2	13446.4	12658.3	10934.9	10891.6	11593.1	12078.1	11928.0	11483.4	10822.3	13065.3
60°	10790.6	10995.5	11070.6	9145.1	8218.5	7857.7	7713.3	7447.8	7522.8	8891.1	11477.6
62.5°	9254.8	9243.3	9713.8	8290.7	5383.7	4630.3	4561.0	4621.6	5487.7	8752.6	11240.9
65°	7338.1	7534.4	7678.7	7026.3	4260.8	3438.1	3435.2	3819.1	4748.7	7315.0	9075.9
67.5°	4659.2	4916.1	5095.1	4494.6	2849.2	2447.9	2381.5	2843.4	3290.9	4797.7	5464.6
70°	2626.9	2748.2	2829.0	2592.3	1812.9	1270.2	1195.1	1304.8	1989.0	3106.1	3238.9
72.5°	1013.2	1068.1	1177.8	1186.4	684.2	409.9	332.0	398.4	837.2	1229.7	1172.0
75°	155.9	167.4	236.7	282.9	196.3	150.1	158.8	164.5	233.8	317.5	265.6
77.5°	75.1	75.1	72.2	83.7	98.1	106.8	115.5	127.0	138.6	153.0	147.2
80°	49.1	49.1	49.1	57.7	72.2	86.6	98.1	103.9	109.7	121.2	115.5
82.5°	31.8	31.8	31.8	43.3	57.7	72.2	77.9	92.4	103.9	121.2	112.6
85°	17.3	17.3	17.3	28.9	43.3	60.6	57.7	46.2	26.0	2.9	5.8
87.5°	5.8	5.8	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9
2.5°	9075.9	8943.1	8931.5	8660.2	8417.7	8299.3	8204.1	7938.5	7996.2	7843.2	7840.3
5°	8637.1	8365.7	7927.0	7566.1	7205.3	7133.1	6818.4	6544.2	6552.9	6356.6	6391.2
7.5°	7849.0	7661.4	7127.3	6561.5	6082.3	5741.7	5444.4	5265.4	5037.3	4959.4	4919.0
10°	7349.6	7118.7	6518.2	5808.1	5271.2	5089.3	4803.5	4644.7	4410.9	4295.4	4214.6
12.5°	7130.2	6792.5	6041.9	5320.2	4962.3	4774.6	4532.2	4243.5	3966.4	3859.6	3712.3
15°	7153.3	6749.2	5903.4	5123.9	4693.8	4330.1	4113.6	3793.2	3510.3	3322.6	3215.8
17.5°	7502.6	7011.9	5966.9	4973.8	4356.1	3900.0	3475.6	3129.2	2904.0	2762.6	2728.0
20°	8328.2	7661.4	6073.7	4731.3	4018.3	3449.6	2927.1	2566.3	2393.1	2390.2	2393.1
22.5°	9015.2	8354.2	6290.2	4587.0	3680.6	2872.3	2352.7	2237.2	2202.6	2274.7	2283.4
25°	9941.9	9133.6	6662.6	4512.0	3368.8	2447.9	2127.5	2084.2	2081.3	2173.7	2176.6
27.5°	10891.6	9814.9	6884.8	4292.6	3051.3	2228.6	1991.8	1983.2	2029.4	2127.5	2118.9
30°	11538.2	10386.4	7286.1	4029.9	2676.0	2035.1	1937.0	1948.5	2012.0	2087.1	2098.7
32.5°	12291.7	10949.4	7390.0	3885.5	2445.1	1873.5	1804.2	1830.2	1911.0	2029.4	2092.9
35°	13154.8	11347.7	7548.8	3689.2	2358.5	1749.4	1714.7	1743.6	1841.7	1919.7	1989.0
37.5°	13792.8	12052.1	7577.7	3536.2	2263.2	1680.1	1625.2	1720.5	1778.2	1887.9	1922.6
40°	14266.2	12563.0	7652.7	3441.0	2188.1	1590.6	1590.6	1654.1	1732.0	1833.1	1902.4
42.5°	14569.3	12935.4	7707.6	3354.4	2043.8	1564.6	1550.2	1613.7	1717.6	1815.8	1847.5
44°	14754.1	13094.2	7652.7	3273.5	2003.4	1532.9	1532.9	1587.7	1668.5	1784.0	1821.5
45°	14800.2	13293.4	7531.5	3270.7	1954.3	1495.3	1489.6	1593.5	1648.3	1789.8	1812.9
47.5°	14979.2	13538.7	7545.9	3178.3	1836.0	1405.8	1506.9	1553.1	1602.1	1726.3	1804.2
50°	14973.5	13691.7	7514.1	3042.6	1749.4	1304.8	1472.2	1524.2	1573.3	1700.3	1732.0
52.5°	15013.9	14263.3	7805.7	2826.1	1593.5	1174.9	1356.8	1472.2	1532.9	1639.7	1706.1
55°	14993.7	14589.5	8094.4	2664.4	1374.1	1097.0	1258.6	1394.3	1480.9	1593.5	1625.2
57.5°	13694.6	12895.0	7491.1	2361.3	1137.4	1004.6	1120.0	1313.5	1423.2	1538.6	1579.0
60°	11189.0	9939.0	6177.6	1737.8	935.3	923.8	1042.1	1287.5	1333.7	1434.7	1504.0
62.5°	10340.3	8717.9	4898.8	1327.9	799.6	845.8	961.3	1163.4	1235.5	1359.6	1423.2
65°	8091.5	5790.8	3033.9	897.8	704.4	759.2	868.9	1019.0	1137.4	1252.8	1327.9
67.5°	4792.0	3163.9	1501.1	629.3	614.9	672.6	785.2	897.8	1033.4	1160.5	1198.0
70°	2609.6	1555.9	640.9	479.2	522.5	574.5	684.2	762.1	892.0	990.1	1053.7
72.5°	837.2	473.4	320.4	355.1	398.4	459.0	525.4	620.6	713.0	770.8	822.7
75°	202.1	199.2	228.1	248.3	288.7	334.9	389.7	438.8	511.0	565.8	612.0
77.5°	141.4	153.0	176.1	205.0	219.4	236.7	271.4	308.9	340.6	381.0	409.9
80°	109.7	118.4	135.7	150.1	164.5	179.0	196.3	210.7	230.9	256.9	271.4
82.5°	103.9	109.7	127.0	135.7	129.9	127.0	138.6	144.3	147.2	155.9	164.5
85°	8.7	0.0	5.8	20.2	49.1	72.2	77.9	77.9	75.1	80.8	80.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	11.5	8.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9
2.5°	7805.7	7707.6	7745.1	7791.3	7724.9	7571.9	7612.3	7595.0	7750.9	7739.3	7895.2
5°	6544.2	6391.2	6408.5	6633.7	6561.5	6639.5	6483.6	6463.4	6492.2	6506.7	6532.7
7.5°	5008.5	4988.3	5161.5	5352.0	5441.5	5349.1	5196.1	5161.5	5129.7	5066.2	5210.5
10°	4087.6	4093.4	4081.8	4226.2	4327.2	4307.0	4214.6	4203.1	4142.5	4119.4	4200.2
12.5°	3648.8	3570.9	3533.4	3487.2	3565.1	3617.1	3576.7	3547.8	3550.7	3579.5	3591.1
15°	3224.5	3175.4	3094.6	3042.6	3080.1	3054.2	3039.7	3097.5	3083.0	3077.3	3146.5
17.5°	2748.2	2788.6	2782.8	2725.1	2774.1	2753.9	2751.1	2710.6	2655.8	2615.4	2638.5
20°	2433.5	2508.6	2566.3	2569.2	2595.2	2592.3	2549.0	2424.9	2384.4	2375.8	2381.5
22.5°	2320.9	2361.3	2430.6	2528.8	2528.8	2482.6	2430.6	2286.3	2248.8	2208.3	2191.0
25°	2231.4	2309.4	2398.9	2410.4	2456.6	2413.3	2329.6	2257.4	2179.5	2124.6	2124.6
27.5°	2185.3	2271.9	2338.2	2358.5	2422.0	2387.3	2300.7	2208.3	2116.0	2113.1	2064.0
30°	2165.0	2245.9	2289.2	2338.2	2367.1	2312.3	2286.3	2188.1	2095.8	2072.7	1991.8
32.5°	2104.4	2219.9	2300.7	2289.2	2312.3	2289.2	2251.6	2170.8	2066.9	2014.9	2006.3
35°	2035.1	2150.6	2237.2	2297.8	2312.3	2263.2	2240.1	2130.4	1989.0	1963.0	1873.5
37.5°	1997.6	2066.9	2173.7	2271.9	2292.1	2266.1	2188.1	2075.6	1934.1	1905.2	1827.3
40°	1951.4	2040.9	2124.6	2205.5	2266.1	2202.6	2113.1	2003.4	1939.9	1853.3	1830.2
42.5°	1916.8	2017.8	2087.1	2176.6	2245.9	2162.2	2058.2	1983.2	1893.7	1836.0	1769.6
44°	1905.2	1997.6	2043.8	2153.5	2211.2	2147.7	2061.1	1983.2	1879.3	1827.3	1769.6
45°	1864.8	1991.8	2040.9	2139.1	2188.1	2136.2	2026.5	1948.5	1873.5	1810.0	1749.4
47.5°	1824.4	1911.0	1994.7	2072.7	2107.3	2090.0	1997.6	1902.4	1812.9	1775.3	1717.6
50°	1812.9	1899.5	1977.4	2049.6	2090.0	2055.3	1971.6	1879.3	1775.3	1714.7	1665.6
52.5°	1755.1	1861.9	1948.5	1971.6	2023.6	2003.4	1939.9	1838.8	1740.7	1688.7	1648.3
55°	1671.4	1784.0	1902.4	1931.2	2006.3	1974.5	1879.3	1784.0	1700.3	1622.3	1570.4
57.5°	1639.7	1749.4	1864.8	1902.4	1948.5	1896.6	1873.5	1772.5	1639.7	1599.2	1518.4
60°	1558.8	1697.4	1792.7	1879.3	1882.1	1867.7	1827.3	1711.8	1602.1	1527.1	1469.3
62.5°	1495.3	1625.2	1700.3	1781.1	1830.2	1789.8	1749.4	1642.5	1524.2	1440.5	1374.1
65°	1402.9	1521.3	1584.8	1633.9	1688.7	1683.0	1613.7	1535.7	1411.6	1345.2	1281.7
67.5°	1261.5	1365.4	1452.0	1498.2	1532.9	1524.2	1472.2	1417.4	1290.4	1224.0	1177.8
70°	1091.2	1198.0	1252.8	1278.8	1313.5	1330.8	1290.4	1264.4	1151.8	1065.2	1021.9
72.5°	877.6	946.8	1027.7	1050.8	1065.2	1076.7	1076.7	1053.7	938.2	903.5	828.5
75°	646.6	701.5	762.1	762.1	788.1	791.0	796.7	782.3	695.7	649.5	632.2
77.5°	438.8	479.2	528.3	548.5	565.8	562.9	560.0	519.6	473.4	453.2	435.9
80°	285.8	326.2	349.3	375.3	392.6	389.7	395.5	366.6	346.4	311.8	317.5
82.5°	170.3	202.1	225.2	256.9	256.9	265.6	265.6	256.9	236.7	219.4	219.4
85°	80.8	106.8	121.2	141.4	153.0	155.9	138.6	118.4	98.1	89.5	98.1
87.5°	14.4	20.2	28.9	26.0	31.8	28.9	28.9	28.9	28.9	23.1	26.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9	8818.9
2.5°	7837.5	7981.8	8082.8	8250.3	8538.9	8769.9	9006.6	9182.7	9202.9	9254.8
5°	6627.9	6705.9	6962.8	7297.6	7534.4	7924.1	8175.2	8631.3	8801.6	8983.5
7.5°	5175.9	5302.9	5646.4	5871.6	6391.2	6879.1	7384.2	7947.2	8172.3	8198.3
10°	4364.7	4549.5	4783.3	5144.1	5427.0	5969.8	6599.1	7225.5	7476.6	7519.9
12.5°	3833.6	4070.3	4382.1	4641.9	4913.2	5386.6	5990.0	6763.6	7089.8	7286.1
15°	3322.6	3568.0	3911.5	4272.4	4512.0	5077.8	5787.9	6659.7	7084.0	7257.2
17.5°	2797.2	3025.3	3308.2	3697.9	4180.0	4815.1	5756.1	7006.1	7470.8	7672.9
20°	2346.9	2473.9	2803.0	3204.3	3807.6	4546.6	5767.7	7517.0	8198.3	8287.8
22.5°	2170.8	2199.7	2329.6	2699.1	3360.1	4272.4	5972.6	8241.6	9015.2	9309.7
25°	2035.1	2029.4	2064.0	2312.3	3033.9	4165.5	6174.7	8908.4	9921.7	10242.1
27.5°	1960.1	1902.4	1905.2	2139.1	2803.0	3992.3	6434.5	9673.4	10949.4	11090.8
30°	1922.6	1911.0	1876.4	1971.6	2551.9	3732.5	6477.8	10426.9	11555.6	11760.5
32.5°	1899.5	1786.9	1743.6	1778.2	2315.2	3449.6	6639.5	10923.4	12306.1	12216.6
35°	1784.0	1683.0	1654.1	1688.7	2147.7	3290.9	6532.7	11356.4	12869.0	13019.1
37.5°	1740.7	1651.2	1593.5	1564.6	1991.8	3158.1	6477.8	12023.2	13414.6	13775.5
40°	1700.3	1605.0	1535.7	1506.9	1870.6	2982.0	6460.5	12537.1	14043.9	14260.4
42.5°	1654.1	1593.5	1515.5	1463.6	1723.4	2805.9	6261.3	12695.8	14237.3	14471.2
44°	1639.7	1547.3	1466.5	1449.1	1665.6	2716.4	6220.9	12840.2	14404.8	14759.8
45°	1625.2	1538.6	1446.2	1423.2	1645.4	2667.3	6166.0	12874.8	14681.9	14748.3
47.5°	1584.8	1530.0	1440.5	1377.0	1602.1	2560.5	6001.5	12678.5	14399.0	14410.5
50°	1553.1	1489.6	1397.2	1273.0	1544.4	2471.0	6076.6	12606.3	13717.7	13743.7
52.5°	1518.4	1423.2	1371.2	1157.6	1449.1	2396.0	6235.3	12932.5	13795.7	13789.9
55°	1478.0	1374.1	1247.1	1059.4	1290.4	2300.7	6619.3	13576.3	14517.3	14615.5
57.5°	1414.5	1325.0	1143.1	972.8	1108.5	2118.9	6495.1	12343.6	13356.9	13374.2
60°	1330.8	1247.1	1036.3	906.4	909.3	1671.4	5808.1	9618.6	10539.4	10790.6
62.5°	1250.0	1203.8	946.8	811.2	773.6	1330.8	4910.3	7993.3	9047.0	9254.8
65°	1154.7	1042.1	868.9	739.0	663.9	932.4	3478.5	5972.6	7058.0	7338.1
67.5°	1033.4	912.2	765.0	649.5	568.7	623.5	1795.5	3394.8	4494.6	4659.2
70°	903.5	791.0	643.7	548.5	459.0	430.1	791.0	1619.5	2456.6	2626.9
72.5°	741.9	638.0	513.8	433.0	343.5	297.3	265.6	433.0	871.8	1013.2
75°	536.9	464.8	386.8	308.9	242.5	190.5	155.9	129.9	144.3	155.9
77.5°	395.5	337.7	285.8	219.4	170.3	135.7	106.8	80.8	77.9	75.1
80°	308.9	274.2	228.1	176.1	132.8	101.0	75.1	54.8	49.1	49.1
82.5°	242.5	225.2	187.6	144.3	109.7	80.8	54.8	37.5	31.8	31.8
85°	92.4	92.4	135.7	118.4	83.7	57.7	37.5	20.2	17.3	17.3
87.5°	23.1	23.1	23.1	23.1	20.2	17.3	17.3	8.7	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)