

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: P531720

Luminaire Tested: **GALN-SA7A-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531720
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-SA7A-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 615mA 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: 22099 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

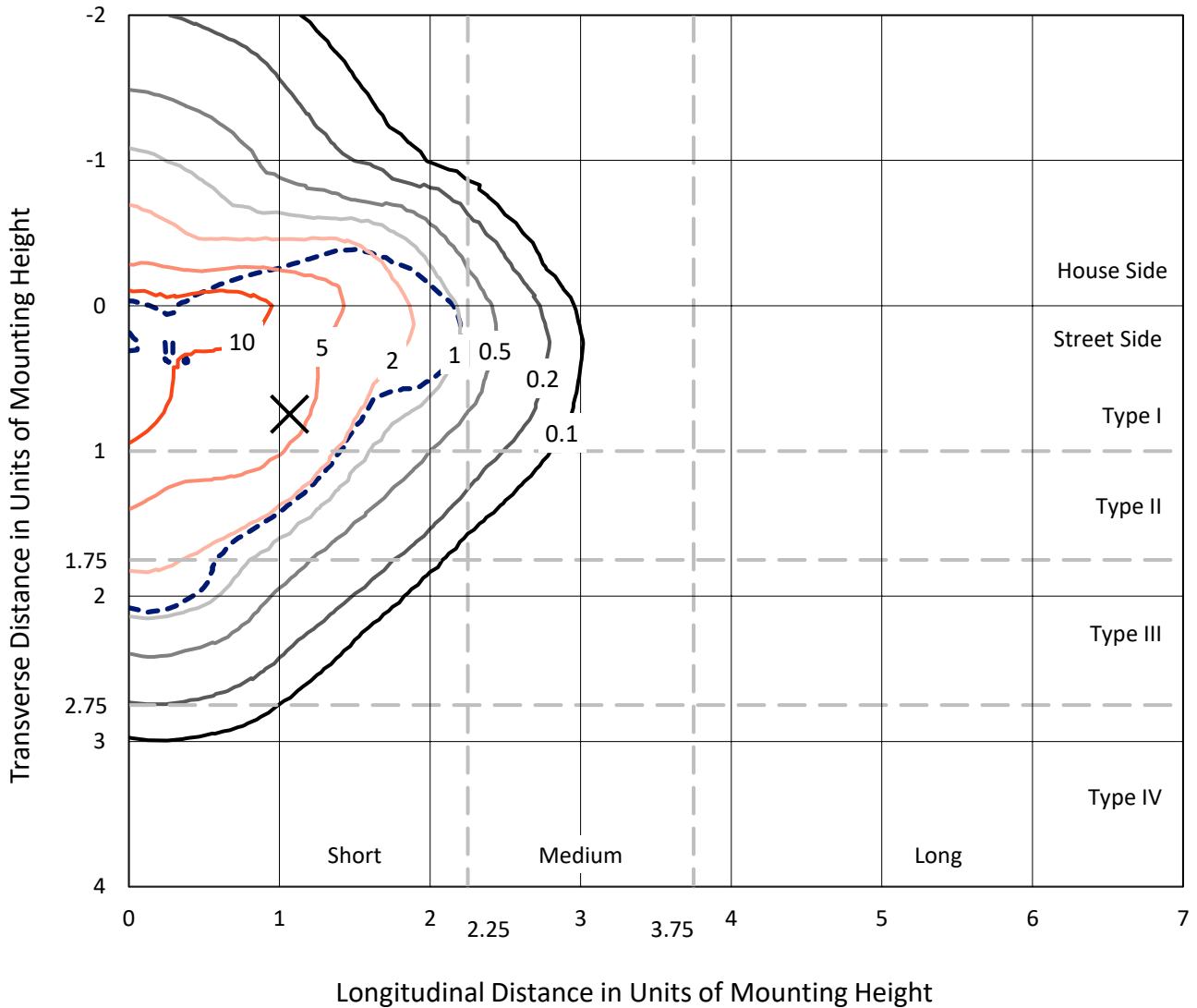
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

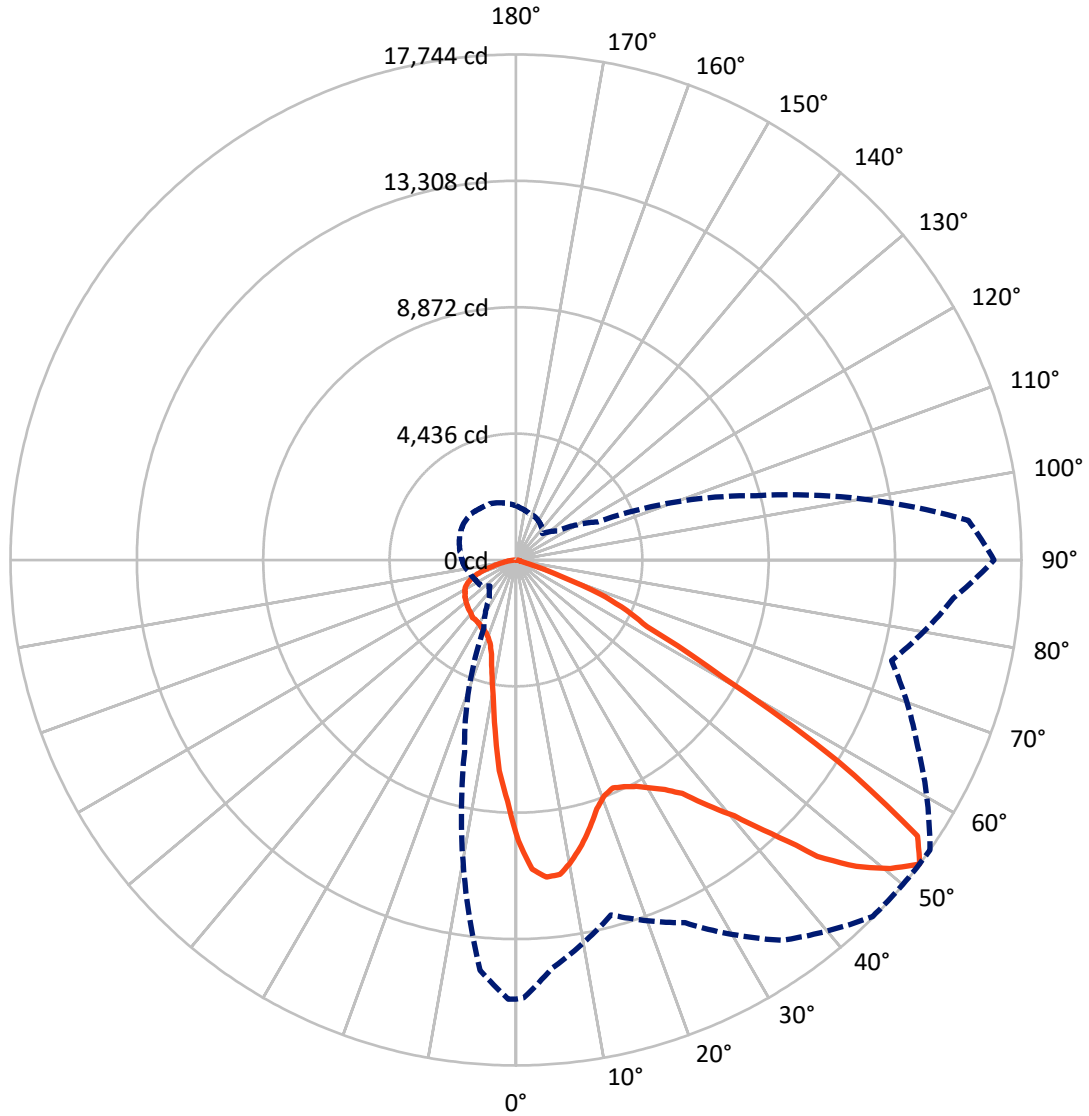
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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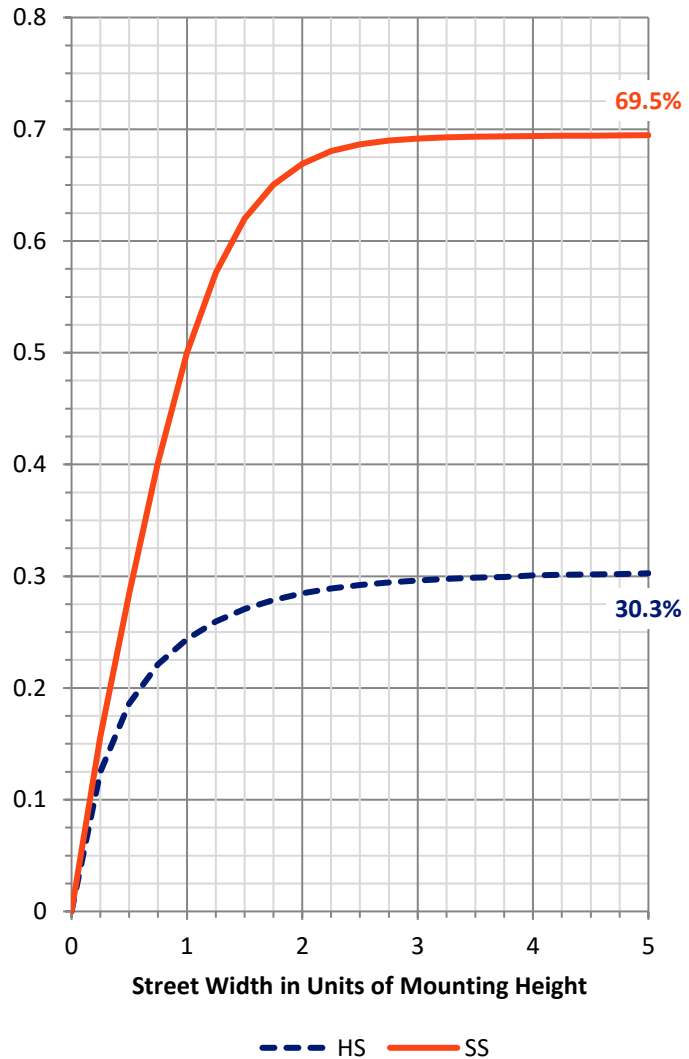
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6741.4	0.0	6741.4
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	15357.6	0.0	15357.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	22099.0	0.0	22099.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.1	3.4
10°-20°	1623.8	7.3
20°-30°	2462.3	11.1
30°-40°	3557.6	16.1
40°-50°	4753.9	21.5
50°-60°	5306.4	24.0
60°-70°	2910.8	13.2
70°-80°	629.3	2.8
80°-90°	101.8	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°	22099.0	100.0
0°-180°	22099.0	100.0

Coefficient of Utilization



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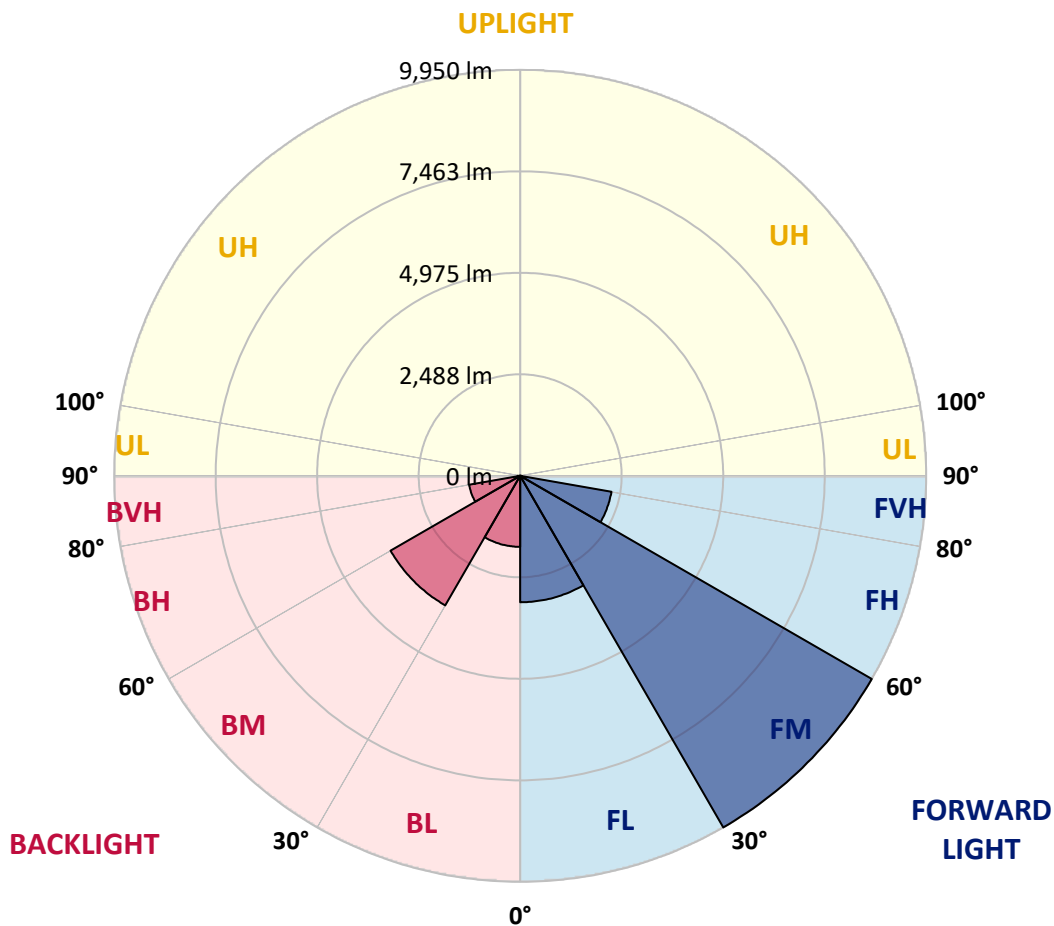
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3098.7	14.0			
FM (30°-60°)	9950.0	45.0			
FH (60°-80°)	2271.2	10.3			G2/5000
FVH (80°-90°)	37.7	0.2			G1/100
BL (0°-30°)	1740.5	7.9	B3/2500		
BM (30°-60°)	3667.9	16.6	B3/5000		
BH (60°-80°)	1268.9	5.7	B3/2500		G3/2500
BVH (80°-90°)	64.1	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°	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9
2.5°	10345.1	10287.0	10338.7	10583.9	10725.9	10822.7	10884.0	10874.3	10642.0	10416.1	10416.1
5°	10041.8	9967.6	10074.1	10629.1	11187.3	11235.7	11316.4	11184.1	10842.0	10429.0	9912.7
7.5°	9164.1	9219.0	9396.4	10125.7	10851.7	11216.3	11313.1	11145.4	10590.3	9819.1	9060.8
10°	8405.8	8534.9	8944.7	9732.0	10400.0	10874.3	10980.8	10745.2	10306.4	9360.9	8683.3
12.5°	8144.4	8063.8	8518.7	9306.1	9945.0	10199.9	10248.3	10264.4	9967.6	9128.6	8302.5
15°	8112.2	8163.8	8518.7	9115.7	9509.4	9522.3	9602.9	9728.8	9767.5	9286.7	8480.0
17.5°	8576.8	8515.5	8880.1	9354.5	9167.3	8980.2	8999.5	9180.2	9499.7	9422.2	9038.3
20°	9264.1	9402.9	9690.1	9641.7	9138.3	8663.9	8667.2	8838.2	9467.4	9983.7	9815.9
22.5°	10406.4	10541.9	10754.9	10170.9	9138.3	8570.4	8460.7	8693.0	9673.9	10651.7	10693.6
25°	11448.7	11697.1	11755.2	11067.9	9596.5	8657.5	8586.5	8815.6	9880.5	11303.5	11700.4
27.5°	12397.4	12487.7	12742.6	11645.5	9851.4	8715.6	8709.1	9002.8	10141.8	11629.4	12600.6
30°	13146.0	13136.3	13281.5	12010.1	10258.0	9041.5	8728.5	9283.5	10483.9	12168.2	13433.2
32.5°	13655.8	13765.5	14072.1	12516.7	10429.0	9351.3	9106.0	9612.6	10900.1	12423.2	14020.4
35°	14552.9	14743.2	14356.0	12797.5	10971.1	9657.8	9370.6	10061.2	11106.6	12700.7	14740.0
37.5°	15398.3	15253.1	14859.4	12949.1	11322.8	10225.7	9957.9	10929.2	11748.8	13304.1	15217.6
40°	15940.4	15937.1	15236.9	13071.8	11571.3	11093.7	11077.6	11810.1	12536.1	13684.8	15753.2
42.5°	16175.9	16401.8	15391.8	13058.8	12094.0	12145.7	12471.6	13126.6	13094.3	13762.3	15740.3
44°	16498.6	16634.1	15659.6	13087.9	12442.5	12855.6	13623.5	14039.8	13581.6	13720.3	15724.2
45°	16485.7	16495.4	15278.9	13126.6	12739.4	13449.3	14136.6	14840.0	14010.8	13630.0	15937.1
47.5°	16108.2	15998.5	14956.2	12839.4	13665.5	15017.5	15653.2	16079.1	14539.9	13436.4	15672.6
50°	15362.8	15236.9	14172.1	12716.8	13859.1	15992.0	16869.7	17024.6	15020.7	13246.0	15411.2
52.5°	15414.4	15378.9	14394.7	12900.7	14052.7	16298.5	17705.4	17744.2	15566.1	13646.1	15414.4
55°	16337.3	16214.7	15033.6	13129.8	13910.7	15940.4	17173.0	17105.2	15382.1	13404.1	15698.4
57.5°	14949.7	15030.4	14149.5	12223.1	12174.7	12958.8	13500.9	13333.1	12836.2	12097.3	14604.5
60°	12061.8	12290.9	12374.8	10222.5	9186.7	8783.3	8622.0	8325.1	8409.0	9938.5	12829.7
62.5°	10345.1	10332.2	10858.2	9267.4	6018.0	5175.8	5098.3	5166.1	6134.1	9783.6	12565.1
65°	8202.5	8421.9	8583.3	7854.0	4762.8	3843.1	3839.9	4269.1	5308.1	8176.7	10145.0
67.5°	5208.0	5495.2	5695.3	5024.1	3184.8	2736.3	2662.1	3178.4	3678.5	5362.9	6108.3
70°	2936.4	3071.9	3162.3	2897.7	2026.4	1419.8	1335.9	1458.5	2223.3	3472.0	3620.5
72.5°	1132.6	1193.9	1316.5	1326.2	764.8	458.2	371.1	445.3	935.8	1374.6	1310.1
75°	174.2	187.2	264.6	316.2	219.4	167.8	177.5	183.9	261.4	354.9	296.9
77.5°	83.9	83.9	80.7	93.6	109.7	119.4	129.1	142.0	154.9	171.0	164.6
80°	54.9	54.9	54.9	64.5	80.7	96.8	109.7	116.2	122.6	135.5	129.1
82.5°	35.5	35.5	35.5	48.4	64.5	80.7	87.1	103.3	116.2	135.5	125.8
85°	19.4	19.4	19.4	32.3	48.4	67.8	64.5	51.6	29.0	3.2	6.5
87.5°	6.5	6.5	6.5	6.5	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°	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9
2.5°	10145.0	9996.6	9983.7	9680.4	9409.3	9277.0	9170.6	8873.7	8938.2	8767.2	8764.0
5°	9654.6	9351.3	8860.8	8457.4	8054.1	7973.4	7621.7	7315.1	7324.8	7105.4	7144.1
7.5°	8773.7	8563.9	7967.0	7334.5	6798.9	6418.1	6085.7	5885.7	5630.8	5543.6	5498.5
10°	8215.4	7957.3	7286.1	6492.3	5892.1	5688.8	5369.4	5191.9	4930.5	4801.5	4711.1
12.5°	7970.2	7592.7	6753.7	5947.0	5546.9	5337.1	5066.1	4743.4	4433.6	4314.2	4149.7
15°	7996.0	7544.3	6598.8	5727.6	5246.8	4840.2	4598.2	4240.0	3923.8	3714.0	3594.7
17.5°	8386.4	7837.9	6669.8	5559.8	4869.2	4359.4	3885.1	3497.8	3246.2	3088.0	3049.3
20°	9309.3	8563.9	6789.2	5288.7	4491.7	3856.0	3272.0	2868.6	2675.0	2671.8	2675.0
22.5°	10077.3	9338.3	7031.2	5127.4	4114.2	3210.7	2629.8	2500.8	2462.0	2542.7	2552.4
25°	11113.1	10209.6	7447.4	5043.5	3765.7	2736.3	2378.1	2329.7	2326.5	2429.8	2433.0
27.5°	12174.7	10971.1	7695.9	4798.2	3410.7	2491.1	2226.5	2216.8	2268.4	2378.1	2368.5
30°	12897.5	11610.0	8144.4	4504.6	2991.2	2274.9	2165.2	2178.1	2249.1	2333.0	2345.9
32.5°	13739.7	12239.2	8260.6	4343.3	2733.1	2094.2	2016.7	2045.8	2136.1	2268.4	2339.4
35°	14704.5	12684.5	8438.1	4123.8	2636.3	1955.4	1916.7	1949.0	2058.7	2145.8	2223.3
37.5°	15417.6	13471.9	8470.3	3952.8	2529.8	1878.0	1816.7	1923.2	1987.7	2110.3	2149.0
40°	15946.8	14043.0	8554.2	3846.3	2445.9	1778.0	1778.0	1849.0	1936.1	2049.0	2126.5
42.5°	16285.6	14459.3	8615.5	3749.5	2284.6	1748.9	1732.8	1803.8	1919.9	2029.7	2065.1
44°	16492.2	14636.7	8554.2	3659.2	2239.4	1713.4	1713.4	1774.7	1865.1	1994.2	2036.1
45°	16543.8	14859.4	8418.7	3656.0	2184.5	1671.5	1665.0	1781.2	1842.5	2000.6	2026.4
47.5°	16743.8	15133.7	8434.8	3552.7	2052.2	1571.4	1684.4	1736.0	1790.9	1929.6	2016.7
50°	16737.4	15304.7	8399.4	3401.0	1955.4	1458.5	1645.7	1703.7	1758.6	1900.6	1936.1
52.5°	16782.6	15943.6	8725.3	3159.0	1781.2	1313.3	1516.6	1645.7	1713.4	1832.8	1907.0
55°	16760.0	16308.2	9047.9	2978.3	1536.0	1226.2	1406.9	1558.5	1655.3	1781.2	1816.7
57.5°	15307.9	14414.1	8373.5	2639.5	1271.4	1122.9	1252.0	1468.2	1590.8	1719.9	1765.1
60°	12507.1	11109.9	6905.3	1942.5	1045.5	1032.6	1164.9	1439.2	1490.8	1603.7	1681.2
62.5°	11558.4	9744.9	5475.9	1484.3	893.8	945.5	1074.5	1300.4	1381.1	1519.8	1590.8
65°	9044.7	6473.0	3391.4	1003.5	787.3	848.6	971.3	1139.1	1271.4	1400.4	1484.3
67.5°	5356.5	3536.6	1677.9	703.4	687.3	751.8	877.7	1003.5	1155.2	1297.2	1339.1
70°	2917.0	1739.2	716.3	535.6	584.1	642.1	764.8	851.9	997.1	1106.8	1177.8
72.5°	935.8	529.2	358.2	396.9	445.3	513.1	587.3	693.8	797.0	861.6	919.6
75°	225.9	222.6	254.9	277.5	322.7	374.3	435.6	490.5	571.1	632.5	684.1
77.5°	158.1	171.0	196.8	229.1	245.2	264.6	303.3	345.3	380.8	425.9	458.2
80°	122.6	132.3	151.7	167.8	183.9	200.1	219.4	235.6	258.1	287.2	303.3
82.5°	116.2	122.6	142.0	151.7	145.2	142.0	154.9	161.3	164.6	174.2	183.9
85°	9.7	0.0	6.5	22.6	54.9	80.7	87.1	87.1	83.9	90.4	90.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	12.9	9.7
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°	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9
2.5°	8725.3	8615.5	8657.5	8709.1	8634.9	8463.9	8509.1	8489.7	8663.9	8651.0	8825.3
5°	7315.1	7144.1	7163.5	7415.2	7334.5	7421.6	7247.4	7224.8	7257.1	7273.2	7302.2
7.5°	5598.5	5575.9	5769.5	5982.5	6082.5	5979.3	5808.2	5769.5	5734.0	5663.0	5824.4
10°	4569.1	4575.6	4562.7	4724.0	4837.0	4814.4	4711.1	4698.2	4630.5	4604.6	4695.0
12.5°	4078.7	3991.5	3949.6	3898.0	3985.1	4043.2	3998.0	3965.7	3969.0	4001.2	4014.1
15°	3604.3	3549.5	3459.1	3401.0	3443.0	3414.0	3397.8	3462.4	3446.2	3439.8	3517.2
17.5°	3071.9	3117.1	3110.6	3046.1	3101.0	3078.4	3075.1	3030.0	2968.7	2923.5	2949.3
20°	2720.2	2804.1	2868.6	2871.8	2900.9	2897.7	2849.3	2710.5	2665.3	2655.7	2662.1
22.5°	2594.3	2639.5	2717.0	2826.7	2826.7	2775.0	2717.0	2555.6	2513.7	2468.5	2449.1
25°	2494.3	2581.4	2681.5	2694.4	2746.0	2697.6	2604.0	2523.4	2436.2	2374.9	2374.9
27.5°	2442.7	2539.5	2613.7	2636.3	2707.3	2668.6	2571.8	2468.5	2365.2	2362.0	2307.2
30°	2420.1	2510.4	2558.8	2613.7	2646.0	2584.7	2555.6	2445.9	2342.7	2316.8	2226.5
32.5°	2352.3	2481.4	2571.8	2558.8	2584.7	2558.8	2516.9	2426.6	2310.4	2252.3	2242.6
35°	2274.9	2404.0	2500.8	2568.5	2584.7	2529.8	2504.0	2381.4	2223.3	2194.2	2094.2
37.5°	2232.9	2310.4	2429.8	2539.5	2562.1	2533.0	2445.9	2320.1	2162.0	2129.7	2042.6
40°	2181.3	2281.3	2374.9	2465.3	2533.0	2462.0	2362.0	2239.4	2168.4	2071.6	2045.8
42.5°	2142.6	2255.5	2333.0	2433.0	2510.4	2416.9	2300.7	2216.8	2116.8	2052.2	1978.0
44°	2129.7	2232.9	2284.6	2407.2	2471.7	2400.7	2303.9	2216.8	2100.6	2042.6	1978.0
45°	2084.5	2226.5	2281.3	2391.1	2445.9	2387.8	2265.2	2178.1	2094.2	2023.2	1955.4
47.5°	2039.3	2136.1	2229.7	2316.8	2355.6	2336.2	2232.9	2126.5	2026.4	1984.5	1919.9
50°	2026.4	2123.2	2210.4	2291.0	2336.2	2297.5	2203.9	2100.6	1984.5	1916.7	1861.9
52.5°	1961.9	2081.3	2178.1	2203.9	2262.0	2239.4	2168.4	2055.5	1945.8	1887.7	1842.5
55°	1868.3	1994.2	2126.5	2158.7	2242.6	2207.1	2100.6	1994.2	1900.6	1813.5	1755.4
57.5°	1832.8	1955.4	2084.5	2126.5	2178.1	2120.0	2094.2	1981.3	1832.8	1787.6	1697.3
60°	1742.5	1897.4	2003.8	2100.6	2103.9	2087.7	2042.6	1913.5	1790.9	1707.0	1642.4
62.5°	1671.5	1816.7	1900.6	1990.9	2045.8	2000.6	1955.4	1836.0	1703.7	1610.2	1536.0
65°	1568.2	1700.5	1771.5	1826.4	1887.7	1881.2	1803.8	1716.7	1577.9	1503.7	1432.7
67.5°	1410.1	1526.3	1623.1	1674.7	1713.4	1703.7	1645.7	1584.4	1442.4	1368.2	1316.5
70°	1219.7	1339.1	1400.4	1429.5	1468.2	1487.6	1442.4	1413.3	1287.5	1190.7	1142.3
72.5°	980.9	1058.4	1148.7	1174.6	1190.7	1203.6	1203.6	1177.8	1048.7	1010.0	926.1
75°	722.8	784.1	851.9	851.9	880.9	884.1	890.6	874.5	777.7	726.0	706.7
77.5°	490.5	535.6	590.5	613.1	632.5	629.2	626.0	580.8	529.2	506.6	487.2
80°	319.5	364.6	390.4	419.5	438.8	435.6	442.1	409.8	387.2	348.5	354.9
82.5°	190.4	225.9	251.7	287.2	287.2	296.9	296.9	287.2	264.6	245.2	245.2
85°	90.4	119.4	135.5	158.1	171.0	174.2	154.9	132.3	109.7	100.0	109.7
87.5°	16.1	22.6	32.3	29.0	35.5	32.3	32.3	32.3	32.3	25.8	29.0
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°	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9	9857.9
2.5°	8760.8	8922.1	9035.0	9222.2	9544.9	9803.0	10067.6	10264.4	10287.0	10345.1
5°	7408.7	7495.8	7783.0	8157.3	8421.9	8857.6	9138.3	9648.1	9838.5	10041.8
7.5°	5785.6	5927.6	6311.6	6563.3	7144.1	7689.5	8254.1	8883.4	9135.1	9164.1
10°	4878.9	5085.4	5346.8	5750.2	6066.4	6673.0	7376.5	8076.7	8357.4	8405.8
12.5°	4285.2	4549.8	4898.3	5188.7	5492.0	6021.2	6695.6	7560.4	7925.0	8144.4
15°	3714.0	3988.3	4372.3	4775.7	5043.5	5675.9	6469.7	7444.2	7918.6	8112.2
17.5°	3126.8	3381.7	3697.9	4133.5	4672.4	5382.3	6434.2	7831.4	8350.9	8576.8
20°	2623.4	2765.4	3133.2	3581.7	4256.1	5082.2	6447.1	8402.6	9164.1	9264.1
22.5°	2426.6	2458.8	2604.0	3017.1	3756.0	4775.7	6676.2	9212.5	10077.3	10406.4
25°	2274.9	2268.4	2307.2	2584.7	3391.4	4656.3	6902.1	9957.9	11090.5	11448.7
27.5°	2191.0	2126.5	2129.7	2391.1	3133.2	4462.7	7192.5	10813.0	12239.2	12397.4
30°	2149.0	2136.1	2097.4	2203.9	2852.5	4172.2	7240.9	11655.2	12916.9	13146.0
32.5°	2123.2	1997.4	1949.0	1987.7	2587.9	3856.0	7421.6	12210.2	13755.8	13655.8
35°	1994.2	1881.2	1849.0	1887.7	2400.7	3678.5	7302.2	12694.2	14385.1	14552.9
37.5°	1945.8	1845.7	1781.2	1748.9	2226.5	3530.1	7240.9	13439.6	14994.9	15398.3
40°	1900.6	1794.1	1716.7	1684.4	2091.0	3333.3	7221.6	14014.0	15698.4	15940.4
42.5°	1849.0	1781.2	1694.1	1636.0	1926.4	3136.4	6998.9	14191.5	15914.6	16175.9
44°	1832.8	1729.6	1639.2	1619.9	1861.9	3036.4	6953.7	14352.8	16101.7	16498.6
45°	1816.7	1719.9	1616.6	1590.8	1839.3	2981.6	6892.4	14391.5	16411.5	16485.7
47.5°	1771.5	1710.2	1610.2	1539.2	1790.9	2862.2	6708.5	14172.1	16095.3	16108.2
50°	1736.0	1665.0	1561.8	1423.0	1726.3	2762.1	6792.4	14091.4	15333.7	15362.8
52.5°	1697.3	1590.8	1532.7	1293.9	1619.9	2678.2	6969.9	14456.0	15420.9	15414.4
55°	1652.1	1536.0	1394.0	1184.2	1442.4	2571.8	7399.0	15175.6	16227.6	16337.3
57.5°	1581.1	1481.1	1277.8	1087.4	1239.1	2368.5	7260.3	13797.8	14930.4	14949.7
60°	1487.6	1394.0	1158.4	1013.2	1016.4	1868.3	6492.3	10751.7	11781.0	12061.8
62.5°	1397.2	1345.6	1058.4	906.7	864.8	1487.6	5488.8	8935.0	10112.8	10345.1
65°	1290.7	1164.9	971.3	826.1	742.2	1042.3	3888.3	6676.2	7889.5	8202.5
67.5°	1155.2	1019.7	855.1	726.0	635.7	697.0	2007.1	3794.7	5024.1	5208.0
70°	1010.0	884.1	719.6	613.1	513.1	480.8	884.1	1810.2	2746.0	2936.4
72.5°	829.3	713.1	574.4	484.0	384.0	332.4	296.9	484.0	974.5	1132.6
75°	600.2	519.5	432.4	345.3	271.1	213.0	174.2	145.2	161.3	174.2
77.5°	442.1	377.5	319.5	245.2	190.4	151.7	119.4	90.4	87.1	83.9
80°	345.3	306.5	254.9	196.8	148.4	112.9	83.9	61.3	54.9	54.9
82.5°	271.1	251.7	209.7	161.3	122.6	90.4	61.3	41.9	35.5	35.5
85°	103.3	103.3	151.7	132.3	93.6	64.5	41.9	22.6	19.4	19.4
87.5°	25.8	25.8	25.8	25.8	22.6	19.4	19.4	9.7	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)