

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: P459514

Luminaire Tested: **GALN-SA9C-735-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459514
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-SA9C-735-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1050mA 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: 51178 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

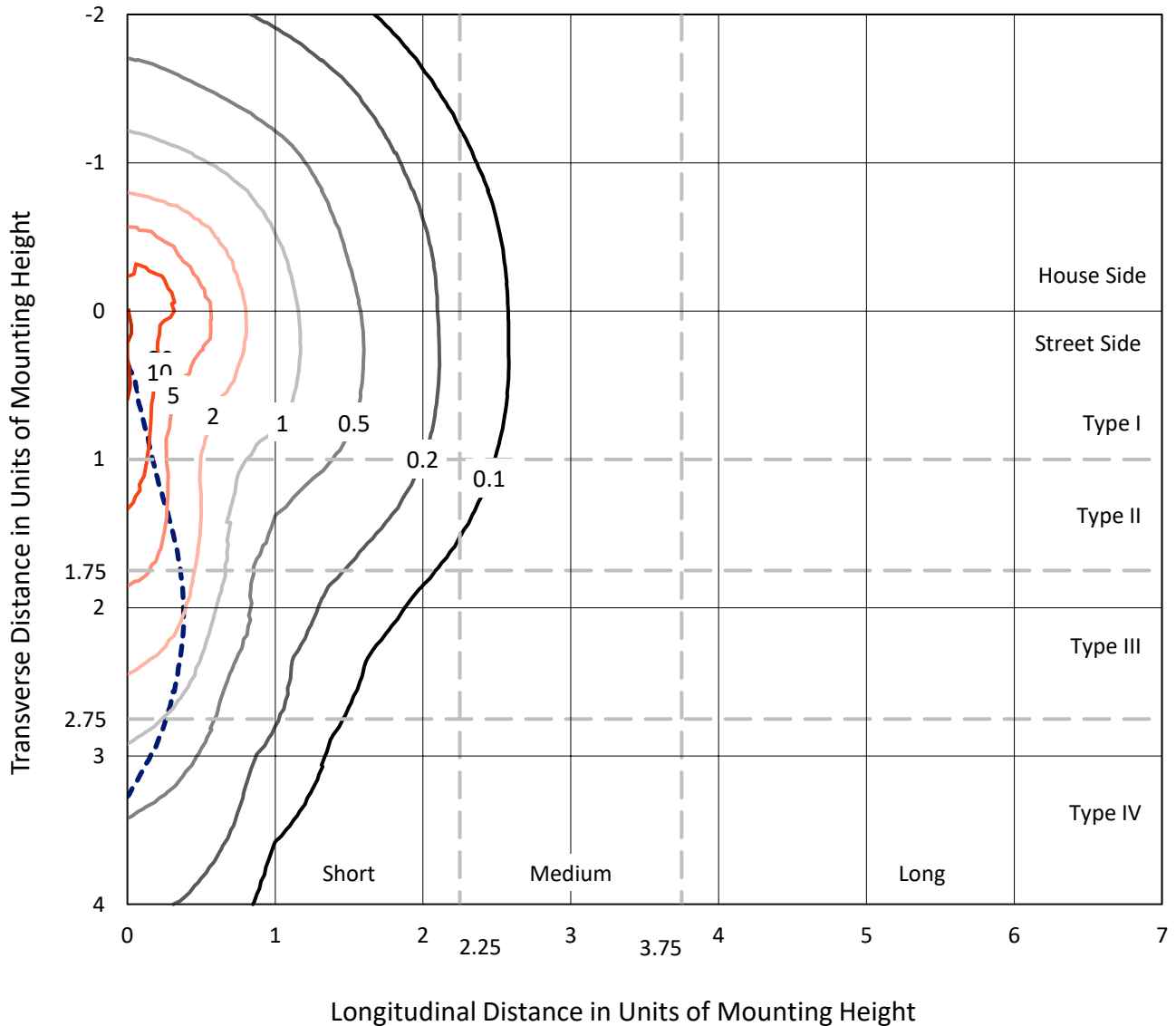
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

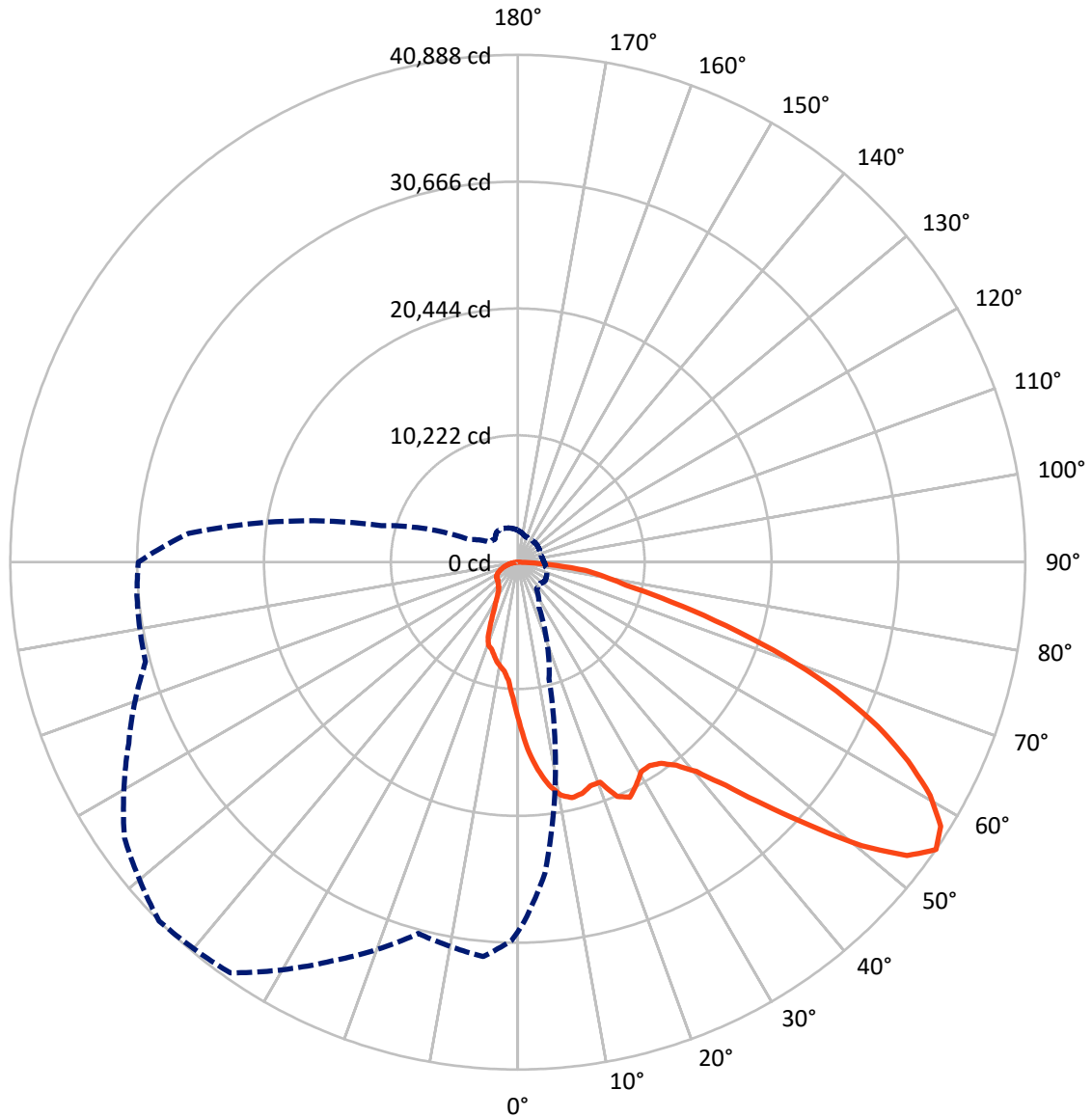
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical



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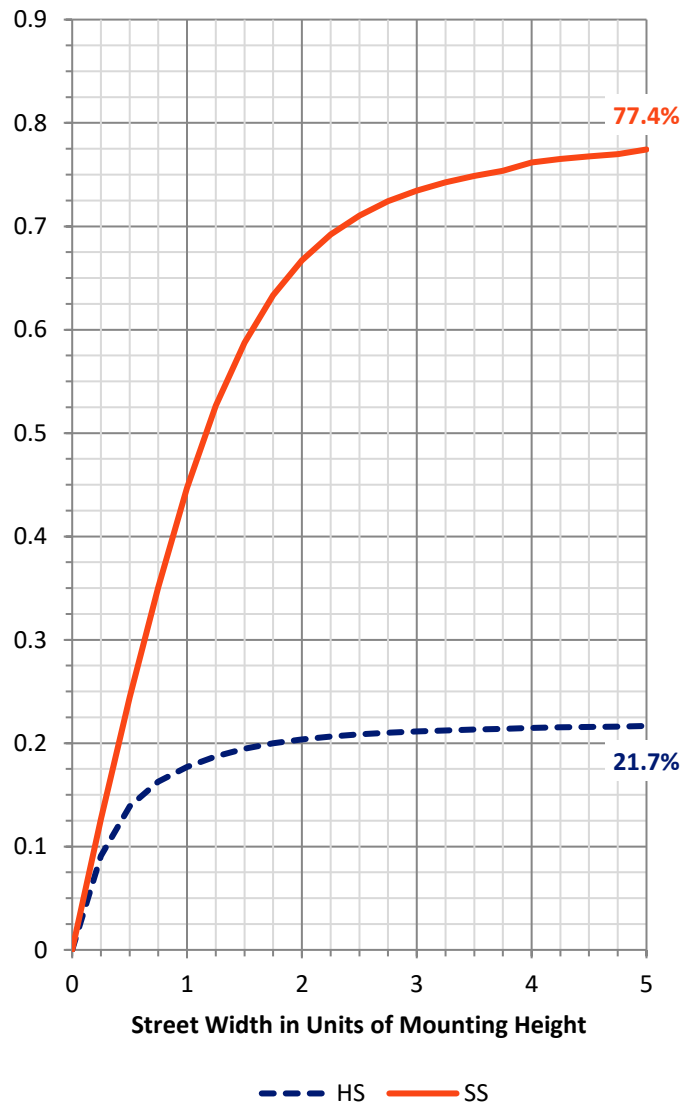
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11195.0	0.0	11195.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	39983.0	0.0	39983.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	51178.0	0.0	51178.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1088.6	2.1
10°-20°	2887.9	5.6
20°-30°	4989.0	9.7
30°-40°	5798.0	11.3
40°-50°	8089.4	15.8
50°-60°	10976.4	21.4
60°-70°	10442.8	20.4
70°-80°	5641.5	11.0
80°-90°	1264.3	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°	51178.0	100.0
0°-180°	51178.0	100.0



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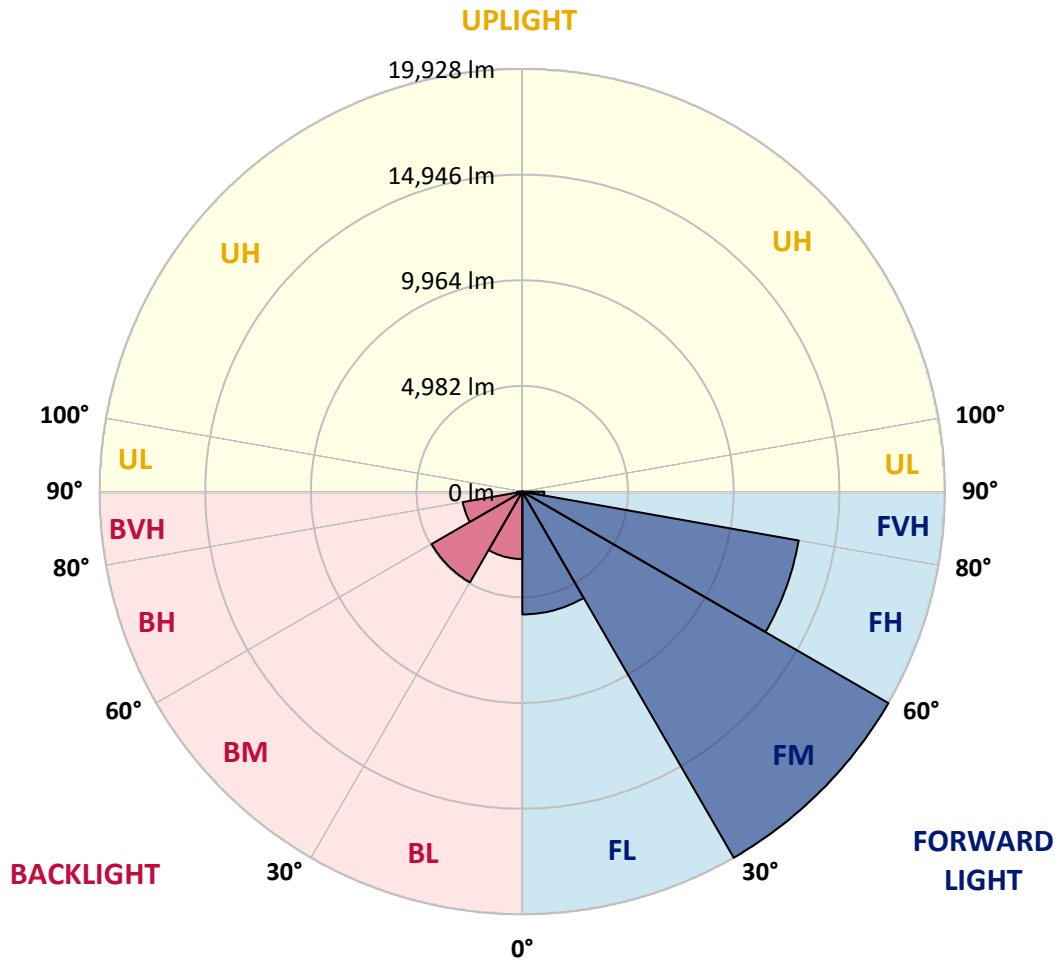
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5788.3	11.3			
FM	(30°-60°)	19927.6	38.9			
FH	(60°-80°)	13233.8	25.9			G5
FVH	(80°-90°)	1033.3	2.0			G5
BL	(0°-30°)	3177.2	6.2	B4/5000		
BM	(30°-60°)	4936.3	9.6	B3/5000		
BH	(60°-80°)	2850.5	5.6	B4/5000		G4/5000
BVH	(80°-90°)	231.0	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7
2.5°	14268.5	14214.5	14062.5	13664.1	13262.3	12853.8	12539.8	12148.1	11739.6	11520.1	11239.9
5°	14464.3	14403.6	14045.7	13147.6	12333.8	11479.6	10797.6	10200.0	9956.9	9599.0	9312.0
7.5°	14005.1	13978.1	13441.3	12151.5	11037.3	9919.7	9146.6	8667.1	8231.6	8069.5	8103.3
10°	13586.5	13478.4	12806.5	11121.7	9821.8	8913.6	8359.9	7890.6	7583.3	7502.3	7519.2
12.5°	13238.7	13093.5	12300.1	10429.6	9291.7	8565.8	7860.2	7370.6	7090.4	7168.0	7431.4
15°	13167.8	12972.0	12087.4	10193.2	9001.4	8066.1	7292.9	6729.1	6519.8	6688.6	7110.6
17.5°	13627.0	13380.5	12452.0	10270.9	8724.5	7556.3	6607.5	5962.7	5787.1	6057.2	6607.5
20°	15102.5	14737.8	13589.9	10719.9	8697.5	7303.1	6209.1	5560.9	5635.1	6148.4	6722.3
22.5°	17830.6	17283.6	15581.9	11375.0	8839.3	7238.9	6128.1	5790.5	6199.0	6634.6	7012.7
25°	18370.8	17942.0	15939.8	11523.5	8808.9	7195.0	6357.7	6526.5	6982.3	7198.4	7066.7
27.5°	18674.7	18185.1	15916.2	10787.5	7877.1	6526.5	6077.5	6357.7	6472.5	6263.2	5905.3
30°	19383.7	18873.9	16318.0	10014.3	6486.0	4841.7	4244.1	4129.3	4206.9	4247.5	4119.2
32.5°	20359.5	19856.4	17074.3	9507.8	5608.1	4004.4	3416.9	3254.8	3217.7	3173.8	3123.1
35°	21622.2	20849.0	17817.1	9183.7	5246.9	3703.9	3163.7	3038.7	2988.1	2927.3	2873.3
37.5°	22905.2	22094.9	18755.7	8842.7	5007.1	3494.5	2994.8	2937.4	2849.6	2785.5	2707.8
40°	24269.3	23361.0	19609.9	8545.6	4774.2	3359.5	2873.3	2866.5	2751.7	2677.5	2586.3
42.5°	25451.0	24515.8	20373.0	8363.2	4595.2	3217.7	2799.0	2819.3	2701.1	2589.7	2471.5
45°	26389.6	25471.3	21078.6	8363.2	4450.0	3075.9	2785.5	2772.0	2653.8	2515.4	2380.3
47.5°	27213.5	26264.7	21767.4	8576.0	4358.9	2957.7	2711.2	2734.9	2613.3	2437.7	2306.1
50°	27851.6	27014.3	22695.9	8906.8	4267.7	2863.2	2616.7	2745.0	2579.5	2397.2	2245.3
52.5°	28665.3	27915.8	23813.5	9359.3	4190.1	2758.5	2532.3	2745.0	2576.2	2400.6	2235.2
55°	29793.0	29002.9	25160.6	9734.0	4065.1	2660.6	2458.0	2667.3	2566.0	2383.7	2208.1
57.5°	30583.1	29992.2	26112.8	9983.9	3886.2	2535.6	2390.5	2593.0	2522.1	2319.6	2127.1
58°	30620.2	30042.9	26251.2	10041.3	3842.3	2512.0	2373.6	2559.3	2501.9	2292.5	2100.1
60°	30194.8	29698.5	26278.2	9960.3	3592.4	2393.8	2285.8	2420.9	2393.8	2133.9	1954.9
62.5°	28648.4	28118.3	25187.7	9301.9	3261.6	2248.7	2150.7	2235.2	2174.4	1911.0	1745.6
65°	26450.4	25474.6	22945.8	8268.7	3025.2	2093.3	1968.4	1975.2	1911.0	1721.9	1576.8
67.5°	23523.1	22432.5	19427.6	6968.8	2846.3	1921.1	1752.3	1735.4	1657.8	1536.2	1418.1
70°	19920.5	19174.4	15787.9	5668.9	2647.1	1732.1	1509.2	1499.1	1451.8	1360.7	1256.0
72.5°	16145.8	15197.0	12749.1	4537.8	2404.0	1549.7	1283.0	1303.3	1242.5	1178.4	1083.8
75°	11915.2	11293.9	9855.6	3639.7	2076.5	1350.5	1070.3	1077.1	1050.0	982.5	908.2
77.5°	7846.7	7661.0	7049.8	2390.5	1597.0	1073.7	874.5	881.2	861.0	800.2	722.5
80°	5280.6	5155.7	4777.6	1539.6	1066.9	776.6	675.3	682.0	678.6	614.5	509.8
82.5°	3254.8	3200.8	3079.2	1039.9	739.4	557.1	445.7	465.9	503.1	432.2	347.8
85°	1536.2	1539.6	1860.4	567.2	435.6	357.9	243.1	260.0	260.0	260.0	195.8
87.5°	199.2	209.3	256.6	239.7	158.7	135.1	87.8	74.3	64.2	84.4	60.8
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°	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7
2.5°	11142.0	11074.5	10929.3	10895.5	10875.3	10932.7	10780.7	10821.2	10753.7	10942.8	10912.4
5°	9328.9	9335.6	9453.8	9531.5	9558.5	9531.5	9430.2	9254.6	9119.6	9065.5	9079.0
7.5°	8039.1	8157.3	8359.9	8586.1	8792.0	8852.8	8795.4	8461.2	8096.5	7866.9	7792.6
10°	7610.3	7769.0	8002.0	8180.9	8363.2	8508.4	8538.8	8278.8	7846.7	7303.1	7090.4
12.5°	7634.0	7850.0	8072.9	8130.3	8113.4	8170.8	8143.8	8099.9	7816.3	7124.1	6769.6
15°	7411.1	7667.7	7823.0	7792.6	7738.6	7688.0	7617.1	7505.7	7404.4	6918.2	6526.5
17.5°	6897.9	7161.3	7289.6	7299.7	7299.7	7286.2	7114.0	7073.5	7060.0	6823.6	6583.9
20°	6992.4	7137.6	7080.2	6985.7	7012.7	7103.9	7002.6	6982.3	7060.0	7164.6	7120.7
22.5°	7046.5	6995.8	6563.6	6145.0	6050.4	6334.1	6391.5	6617.7	6931.7	7309.8	7556.3
25°	6712.2	6303.7	5530.5	5057.8	4791.1	5054.4	5398.8	5817.5	6286.8	6773.0	7060.0
27.5°	5611.5	5300.9	4747.2	4321.7	4088.8	4129.3	4423.0	4804.6	5240.1	5567.6	5777.0
30°	4227.2	4088.8	3801.8	3656.6	3514.8	3481.0	3606.0	3751.1	3943.6	3984.1	4038.1
32.5°	3113.0	3092.7	3109.6	3062.4	3035.3	3032.0	2994.8	3028.6	3048.9	3072.5	3025.2
35°	2815.9	2788.9	2741.6	2728.1	2711.2	2718.0	2701.1	2684.2	2697.7	2718.0	2731.5
37.5°	2663.9	2623.4	2555.9	2532.3	2532.3	2542.4	2515.4	2508.6	2532.3	2596.4	2630.2
40°	2545.8	2498.5	2420.9	2390.5	2410.7	2437.7	2400.6	2387.1	2444.5	2512.0	2566.0
42.5°	2434.4	2397.2	2322.9	2289.2	2306.1	2356.7	2302.7	2292.5	2366.8	2441.1	2505.3
45°	2339.8	2302.7	2235.2	2218.3	2225.0	2272.3	2235.2	2235.2	2306.1	2387.1	2444.5
47.5°	2265.5	2218.3	2174.4	2160.9	2167.6	2194.6	2187.9	2187.9	2255.4	2339.8	2397.2
50°	2191.3	2150.7	2093.3	2100.1	2117.0	2154.1	2150.7	2160.9	2228.4	2333.1	2393.8
52.5°	2157.5	2096.7	2032.6	2039.3	2090.0	2133.9	2120.4	2130.5	2208.1	2404.0	2491.8
55°	2120.4	2039.3	1965.0	1975.2	2032.6	2096.7	2079.8	2093.3	2184.5	2451.2	2572.8
57.5°	2049.5	1954.9	1873.9	1880.6	1965.0	2032.6	2005.6	2022.4	2130.5	2400.6	2528.9
58°	2019.1	1938.0	1860.4	1863.8	1944.8	2019.1	1988.7	2002.2	2113.6	2387.1	2508.6
60°	1890.8	1843.5	1776.0	1779.3	1857.0	1921.1	1904.3	1917.8	2025.8	2289.2	2380.3
62.5°	1715.2	1688.2	1671.3	1671.3	1718.6	1779.3	1796.2	1813.1	1911.0	2069.7	2150.7
65°	1526.1	1526.1	1529.5	1529.5	1559.9	1637.5	1647.7	1691.6	1782.7	1860.4	1921.1
67.5°	1397.8	1391.1	1397.8	1380.9	1394.4	1441.7	1492.4	1532.9	1627.4	1681.4	1701.7
70°	1232.4	1229.0	1232.4	1208.7	1225.6	1266.1	1299.9	1367.4	1465.3	1505.9	1516.0
72.5°	1070.3	1070.3	1077.1	1060.2	1060.2	1104.1	1127.7	1202.0	1293.1	1316.8	1320.2
75°	901.5	911.6	911.6	888.0	894.7	921.7	952.1	1012.9	1097.3	1114.2	1114.2
77.5°	715.8	752.9	752.9	729.3	739.4	742.8	783.3	813.7	877.9	884.6	857.6
80°	520.0	557.1	587.5	567.2	584.1	563.9	587.5	607.7	671.9	641.5	597.6
82.5°	371.4	398.4	422.0	425.4	408.5	371.4	401.8	405.2	435.6	395.0	371.4
85°	206.0	229.6	260.0	246.5	219.5	195.8	206.0	212.7	209.3	199.2	185.7
87.5°	54.0	57.4	64.2	47.3	43.9	37.1	50.6	50.6	57.4	60.8	57.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7
2.5°	10936.0	11084.6	11405.3	11648.4	11945.6	12306.8	12732.3	13161.1	13623.6	13768.8	13971.4
5°	9048.6	9420.0	9575.4	10017.7	10456.6	11115.0	11817.3	12631.0	13522.3	13951.1	14363.0
7.5°	7731.9	7931.1	8093.1	8417.3	8944.0	9744.2	10625.4	11641.7	12904.5	13529.1	14133.4
10°	7022.8	7043.1	7242.3	7644.1	8103.3	8808.9	9642.9	10780.7	12188.7	12948.3	13657.4
12.5°	6553.5	6465.7	6681.8	7100.5	7620.4	8272.1	9038.5	10122.3	11672.1	12452.0	13309.6
15°	6141.6	6003.2	6165.2	6594.0	7107.2	7873.7	8697.5	9845.5	11469.5	12377.7	13329.9
17.5°	6151.7	5770.2	5827.6	6188.9	6698.7	7478.6	8478.0	9835.3	11776.7	12823.4	13951.1
20°	6911.4	6300.3	6040.3	6107.8	6600.8	7451.6	8579.3	10308.0	12786.3	14312.4	15517.8
22.5°	7657.6	7289.6	6870.9	6732.5	7002.6	7893.9	9224.2	11425.6	14980.9	17280.2	19458.0
25°	7397.6	7711.6	7606.9	7411.1	7471.9	8211.3	9663.1	12344.0	16686.0	19275.6	21321.7
27.5°	5918.8	6489.4	6604.2	6600.8	6624.4	7232.2	8690.8	11726.1	16898.7	19657.2	21612.1
30°	4159.7	4210.3	4271.1	4389.3	4497.3	5040.9	6800.0	10294.5	16804.2	19829.4	21787.7
32.5°	3001.6	3069.1	3153.5	3315.6	3572.2	4264.3	5949.1	9838.7	17303.9	20541.8	22300.9
35°	2745.0	2822.6	2903.7	3089.4	3332.5	3974.0	5611.5	9649.6	18124.3	21696.5	23222.6
37.5°	2663.9	2751.7	2822.6	2957.7	3153.5	3764.6	5304.3	9521.3	18965.0	22918.7	24458.4
40°	2606.6	2707.8	2765.2	2873.3	3008.3	3572.2	5030.8	9420.0	19778.7	24036.3	25451.0
42.5°	2555.9	2660.6	2734.9	2812.5	2923.9	3400.0	4787.7	9318.8	20484.4	25120.1	26440.3
45°	2495.1	2626.8	2721.3	2782.1	2880.0	3254.8	4602.0	9237.7	21288.0	26082.4	27439.7
47.5°	2444.5	2589.7	2707.8	2778.7	2815.9	3153.5	4453.4	9349.1	22253.6	27088.5	28368.2
50°	2447.9	2586.3	2734.9	2846.3	2748.4	3069.1	4362.3	9791.4	23509.6	28283.8	29100.9
52.5°	2555.9	2724.7	2842.9	2869.9	2653.8	2967.8	4315.0	10564.6	24995.2	29340.6	29840.3
55°	2677.5	2853.0	2981.3	2964.4	2603.2	2839.5	4304.9	11388.5	26622.6	30573.0	30802.5
57.5°	2633.6	2890.2	3086.0	2998.2	2606.6	2714.6	4261.0	12053.6	27983.3	31494.7	31754.7
58°	2620.1	2876.7	3099.5	2991.5	2596.4	2677.5	4250.8	12111.0	28172.4	31558.9	31889.7
60°	2488.4	2758.5	3089.4	2940.8	2539.0	2576.2	4139.4	12296.7	28121.7	31228.0	31970.8
62.5°	2248.7	2471.5	2856.4	2694.3	2363.5	2441.1	3889.6	12067.1	26750.9	29634.3	30785.7
65°	1978.5	2144.0	2400.6	2370.2	2113.6	2302.7	3548.6	11158.9	24005.9	27048.0	28260.1
67.5°	1776.0	1911.0	2073.1	2029.2	1900.9	2117.0	3180.5	9622.6	20926.7	23941.8	25467.9
70°	1570.0	1674.7	1755.7	1725.3	1684.8	1934.7	2853.0	7809.5	17975.7	20990.8	22469.7
72.5°	1360.7	1458.6	1526.1	1482.2	1458.6	1742.2	2586.3	6060.6	14197.6	17317.4	19218.2
75°	1137.8	1235.7	1283.0	1232.4	1218.9	1536.2	2191.3	4527.7	10652.4	13350.1	14991.0
77.5°	881.2	985.9	1046.7	1029.8	1036.5	1262.8	1769.2	3099.5	7617.1	9099.3	10828.0
80°	617.9	732.7	773.2	756.3	803.6	962.3	1249.3	1968.4	5253.6	5905.3	7124.1
82.5°	381.5	489.6	496.3	513.2	547.0	712.4	942.0	1198.6	3298.7	3410.1	4294.7
85°	192.5	233.0	249.9	276.9	307.2	435.6	536.8	742.8	2123.7	1607.1	2400.6
87.5°	64.2	67.5	81.0	101.3	124.9	178.9	229.6	303.9	526.7	290.4	742.8
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°	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7	12843.7
2.5°	14379.9	14666.9	14876.2	15068.7	14883.0	14866.1	14683.8	14390.1	14268.5	14268.5
5°	15227.4	15899.3	16442.9	16790.6	16642.1	16284.2	15693.3	14940.4	14535.2	14464.3
7.5°	15460.4	16787.3	17796.8	18154.7	17904.8	17114.8	15983.7	14714.2	14133.4	14005.1
10°	15318.6	17043.9	18526.1	19093.3	18745.6	17550.3	16007.3	14450.8	13735.0	13586.5
12.5°	15170.0	17077.6	18661.1	19481.6	19255.4	17901.5	16179.5	14278.6	13451.4	13238.7
15°	15278.0	17091.1	18495.7	19343.2	19488.4	18323.5	16463.1	14403.6	13394.0	13167.8
17.5°	15960.1	17347.7	18259.4	18944.8	19454.6	18897.5	17270.1	15001.2	13907.2	13627.0
20°	17384.9	17962.2	18394.4	18924.5	19745.0	20069.1	18921.1	16642.1	15348.9	15102.5
22.5°	21510.8	21406.1	20521.5	20511.4	21699.9	22999.8	22922.1	19977.9	18033.1	17830.6
25°	23057.2	22571.0	21291.3	20980.7	21504.0	23509.6	23219.2	20660.0	18863.7	18370.8
27.5°	22452.8	21247.4	20406.7	20335.8	20163.6	22057.8	22756.7	20936.8	19154.1	18674.7
30°	22415.7	20643.1	19441.1	19582.9	19748.3	21558.1	23013.3	21804.5	19896.9	19383.7
32.5°	22506.8	20727.5	19512.0	19539.0	20032.0	21632.3	23296.9	22749.9	20872.7	20359.5
35°	22874.8	21206.9	19964.4	19900.3	20670.1	22118.5	23779.7	24235.5	22206.3	21622.2
37.5°	23469.1	22162.4	20791.6	20774.8	21892.3	22996.4	24380.7	25734.6	23533.2	22905.2
40°	24343.6	23280.0	22263.7	22172.6	23553.5	24424.6	25160.6	27331.6	25076.2	24269.3
42.5°	25400.4	24620.4	24205.1	24566.4	25893.3	26028.4	26376.1	28807.1	26389.6	25451.0
45°	26379.5	26342.4	26919.7	27878.6	28651.8	27841.5	27645.6	29796.4	27409.3	26389.6
47.5°	27544.4	28550.5	30292.7	31697.3	32507.6	29951.7	28729.5	30441.3	28152.1	27213.5
50°	28726.1	31194.2	33976.3	35934.6	36106.8	32244.3	29475.6	31049.0	28827.4	27851.6
52.5°	29968.6	33304.4	37008.3	39284.0	38949.7	34239.7	30198.2	31460.9	29522.9	28665.3
55°	31049.0	34597.6	38703.2	40887.7	40398.2	35455.2	30978.1	31906.6	30515.6	29793.0
57.5°	31653.4	34705.6	38281.2	40188.8	39658.7	35218.8	31336.0	32237.5	31150.3	30583.1
58°	31741.2	34560.4	37906.4	39783.7	39243.4	35019.6	31332.6	32224.0	31190.8	30620.2
60°	31663.5	33618.4	36512.0	38183.3	37616.0	33770.4	31204.3	31970.8	30677.6	30194.8
62.5°	30944.4	31984.3	34104.6	35320.1	35158.1	31818.8	30677.6	31015.3	29114.4	28648.4
65°	29999.0	29755.9	31022.0	31883.0	32004.5	30356.9	30154.3	28948.9	27108.8	26450.4
67.5°	28851.0	27230.4	27227.0	27716.6	27919.1	28108.2	29063.7	26703.6	24218.6	23523.1
70°	26902.8	23337.4	22263.7	22841.1	22672.3	24269.3	27115.6	23550.1	20734.2	19920.5
72.5°	23330.7	18519.3	16800.8	17543.6	17118.2	19032.5	23725.7	19380.3	17145.2	16145.8
75°	18911.0	13853.2	12080.6	12762.6	12499.3	14437.3	19741.6	14076.1	12296.7	11915.2
77.5°	14683.8	10037.9	9008.1	8913.6	9109.4	10743.6	14481.2	9504.5	8106.6	7846.7
80°	9433.6	7184.9	7245.7	7124.1	7225.4	6773.0	8792.0	6063.9	5490.0	5280.6
82.5°	6209.1	5007.1	5969.4	5510.2	5233.4	4554.7	5766.8	3970.6	3369.6	3254.8
85°	4230.6	3687.0	3356.1	2566.0	3021.8	3508.0	4325.1	2137.2	1694.9	1536.2
87.5°	1911.0	1283.0	942.0	580.7	918.4	1060.2	2100.1	249.9	192.5	199.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)