

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: P647445

Luminaire Tested: **GALN-SA5D-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647445
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-SA5D-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 1200mA 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: 22591.9 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

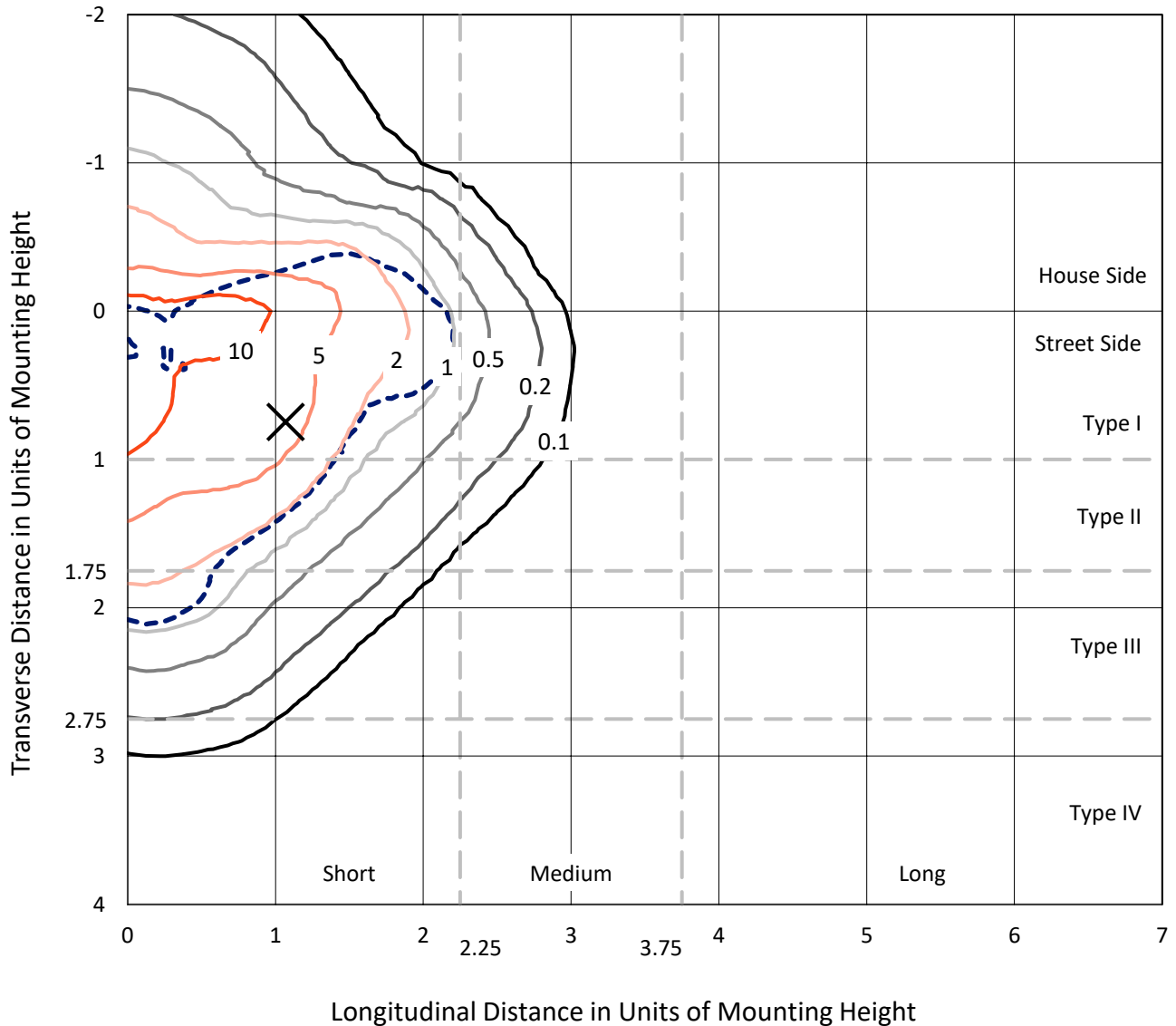
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

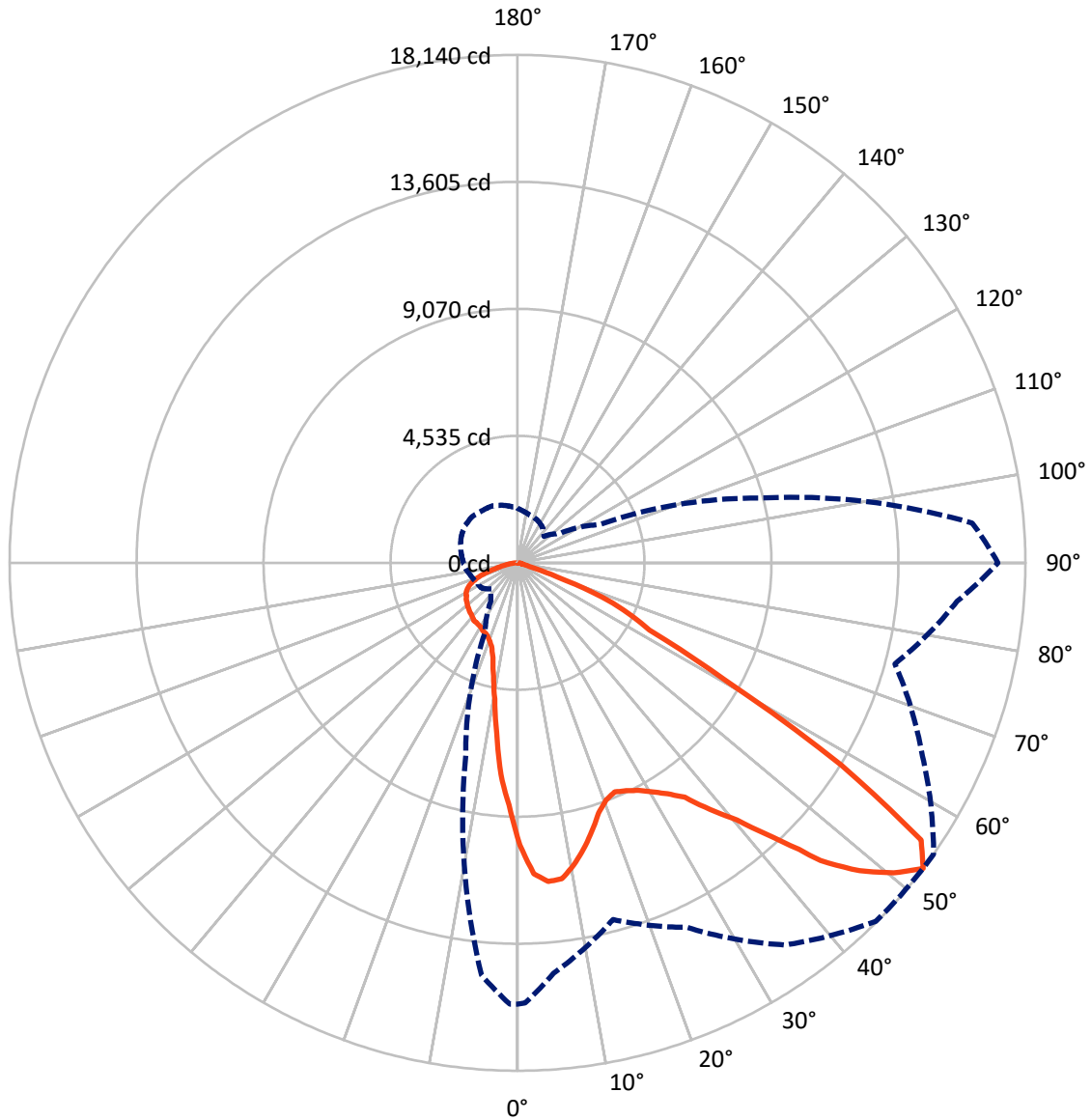
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 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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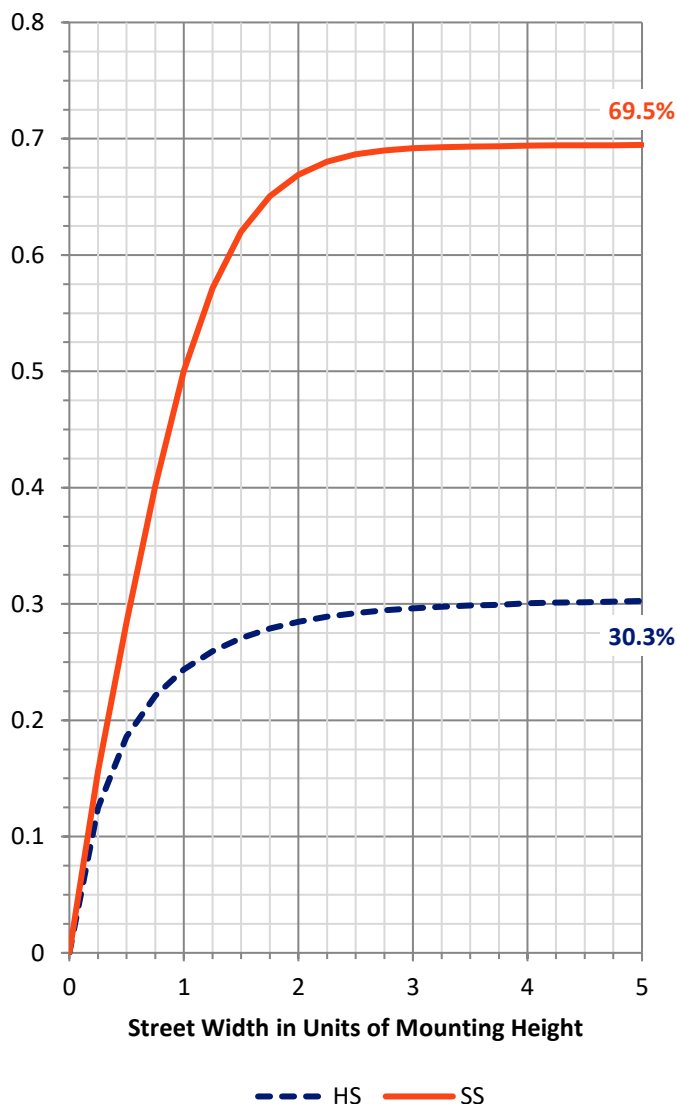
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6891.8	0.0	6891.8
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	15700.1	0.0	15700.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	22591.9	0.0	22591.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.9	3.4
10°-20°	1660.0	7.3
20°-30°	2517.2	11.1
30°-40°	3636.9	16.1
40°-50°	4859.9	21.5
50°-60°	5424.8	24.0
60°-70°	2975.7	13.2
70°-80°	643.3	2.8
80°-90°	104.1	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°	22591.9	100.0
0°-180°	22591.9	100.0

Coefficient of Utilization



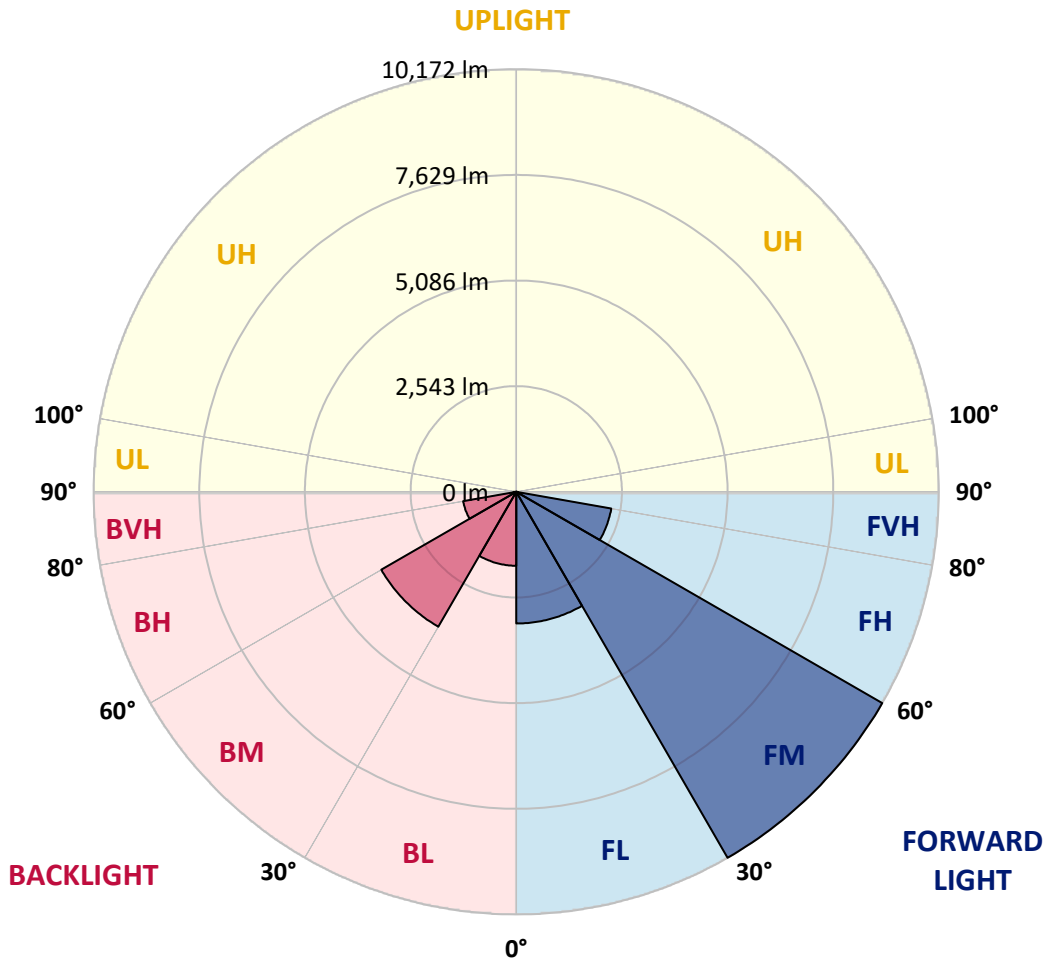
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3167.8	14.0			
FM (30°-60°)	10171.9	45.0			
FH (60°-80°)	2321.9	10.3			G2/5000
FVH (80°-90°)	38.5	0.2			G1/100
BL (0°-30°)	1779.4	7.9	B3/2500		
BM (30°-60°)	3749.7	16.6	B3/5000		
BH (60°-80°)	1297.2	5.7	B3/2500		G3/2500
BVH (80°-90°)	65.5	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8
2.5°	10575.8	10516.5	10569.2	10820.0	10965.1	11064.1	11126.7	11116.9	10879.3	10648.4	10648.4
5°	10265.8	10189.9	10298.7	10866.2	11436.8	11486.3	11568.7	11433.5	11083.8	10661.6	10133.8
7.5°	9368.5	9424.6	9606.0	10351.5	11093.8	11466.5	11565.5	11394.0	10826.5	10038.1	9263.0
10°	8593.3	8725.2	9144.2	9949.1	10632.0	11116.9	11225.7	10984.9	10536.3	9569.7	8876.9
12.5°	8326.1	8243.7	8708.8	9513.6	10166.8	10427.4	10476.9	10493.4	10189.9	9332.2	8487.7
15°	8293.1	8345.9	8708.8	9319.0	9721.5	9734.6	9817.1	9945.8	9985.4	9493.9	8669.1
17.5°	8768.1	8705.5	9078.2	9563.1	9371.8	9180.4	9200.2	9385.0	9711.5	9632.4	9239.9
20°	9470.8	9612.6	9906.2	9856.7	9342.1	8857.2	8860.5	9035.4	9678.6	10206.4	10034.8
22.5°	10638.5	10777.1	10994.8	10397.7	9342.1	8761.5	8649.3	8886.9	9889.7	10889.3	10932.1
25°	11704.0	11958.1	12017.4	11314.7	9810.5	8850.6	8778.1	9012.3	10100.9	11555.6	11961.3
27.5°	12673.9	12766.3	13026.8	11905.3	10071.1	8910.0	8903.3	9203.5	10368.0	11888.8	12881.7
30°	13439.2	13429.3	13577.7	12278.0	10486.8	9243.2	8923.1	9490.6	10717.7	12439.7	13732.8
32.5°	13960.4	14072.5	14385.9	12795.9	10661.6	9559.8	9309.1	9827.0	11143.3	12700.3	14333.1
35°	14877.5	15072.0	14676.2	13082.9	11215.8	9873.2	9579.6	10285.6	11354.4	12983.9	15068.8
37.5°	15741.7	15593.3	15190.8	13237.9	11575.4	10453.8	10180.0	11172.9	12010.8	13600.8	15557.0
40°	16295.9	16292.6	15576.8	13363.3	11829.4	11341.1	11324.7	12073.5	12815.7	13990.1	16104.6
42.5°	16536.7	16767.6	15735.1	13350.2	12363.8	12416.6	12749.7	13419.4	13386.4	14069.3	16091.4
44°	16866.6	17005.1	16008.9	13379.8	12720.1	13142.3	13927.4	14352.9	13884.5	14026.3	16074.9
45°	16853.4	16863.3	15619.7	13419.4	13023.6	13749.2	14451.9	15171.0	14323.3	13934.0	16292.6
47.5°	16467.4	16355.3	15289.8	13125.8	13970.3	15352.4	16002.3	16437.8	14864.2	13736.1	16022.1
50°	15705.4	15576.8	14488.2	13000.5	14168.2	16348.7	17246.0	17404.3	15355.7	13541.4	15754.9
52.5°	15758.2	15721.9	14715.8	13188.5	14366.2	16662.1	18100.4	18139.9	15913.2	13950.5	15758.2
55°	16701.6	16576.3	15369.0	13422.7	14221.0	16295.9	17556.0	17486.7	15725.2	13703.0	16048.5
57.5°	15283.2	15365.7	14465.1	12495.7	12446.3	13247.8	13802.0	13630.5	13122.5	12367.1	14930.2
60°	12330.8	12565.0	12650.8	10450.5	9391.6	8979.2	8814.3	8510.8	8596.6	10160.2	13115.9
62.5°	10575.8	10562.7	11100.4	9474.1	6152.2	5291.2	5212.0	5281.3	6271.0	10001.9	12845.4
65°	8385.5	8609.8	8774.7	8029.2	4869.0	3928.9	3925.6	4364.3	5426.5	8359.1	10371.3
67.5°	5324.2	5617.8	5822.3	5136.2	3255.9	2797.3	2721.5	3249.3	3760.6	5482.6	6244.6
70°	3001.9	3140.5	3232.8	2962.3	2071.7	1451.4	1365.7	1491.1	2272.8	3549.5	3701.2
72.5°	1157.9	1220.5	1345.9	1355.8	781.8	468.4	379.4	455.2	956.7	1405.3	1339.3
75°	178.1	191.4	270.5	323.3	224.3	171.6	181.4	188.0	267.2	362.8	303.5
77.5°	85.7	85.7	82.4	95.7	112.1	122.1	131.9	145.2	158.3	174.8	168.3
80°	56.1	56.1	56.1	66.0	82.4	99.0	112.1	118.8	125.4	138.5	131.9
82.5°	36.3	36.3	36.3	49.5	66.0	82.4	89.1	105.5	118.8	138.5	128.6
85°	19.8	19.8	19.8	33.0	49.5	69.3	66.0	52.8	29.7	3.3	6.6
87.5°	6.6	6.6	6.6	6.6	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°	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8
2.5°	10371.3	10219.6	10206.4	9896.3	9619.2	9483.9	9375.1	9071.6	9137.6	8962.8	8959.5
5°	9869.9	9559.8	9058.4	8646.0	8233.7	8151.3	7791.7	7478.3	7488.2	7263.9	7303.4
7.5°	8969.3	8755.0	8144.7	7498.1	6950.5	6561.2	6221.5	6017.0	5756.4	5667.3	5621.1
10°	8398.7	8134.7	7448.6	6637.1	6023.5	5815.7	5489.1	5307.7	5040.5	4908.5	4816.2
12.5°	8148.0	7762.0	6904.3	6079.6	5670.6	5456.2	5179.1	4849.2	4532.5	4410.5	4242.2
15°	8174.4	7712.6	6746.0	5855.3	5363.8	4948.2	4700.7	4334.6	4011.3	3796.8	3674.9
17.5°	8573.5	8012.7	6818.5	5683.8	4977.8	4456.6	3971.7	3575.9	3318.6	3156.9	3117.4
20°	9517.0	8755.0	6940.6	5406.7	4591.9	3942.0	3345.0	2932.6	2734.7	2731.4	2734.7
22.5°	10302.1	9546.6	7188.0	5241.7	4206.0	3282.3	2688.5	2556.6	2517.0	2599.4	2609.3
25°	11360.9	10437.3	7613.6	5156.0	3849.7	2797.3	2431.2	2381.7	2378.4	2484.0	2487.3
27.5°	12446.3	11215.8	7867.6	4905.3	3486.8	2546.6	2276.2	2266.2	2319.0	2431.2	2421.3
30°	13185.2	11868.9	8326.1	4605.1	3057.9	2325.7	2213.5	2226.7	2299.3	2385.0	2398.2
32.5°	14046.2	12512.3	8444.8	4440.2	2794.1	2140.9	2061.7	2091.4	2183.8	2319.0	2391.6
35°	15032.5	12967.4	8626.3	4215.8	2695.1	1999.1	1959.5	1992.4	2104.6	2193.7	2272.8
37.5°	15761.5	13772.3	8659.3	4041.0	2586.2	1919.9	1857.2	1966.0	2032.0	2157.4	2196.9
40°	16302.5	14356.2	8745.0	3932.1	2500.4	1817.7	1817.7	1890.2	1979.3	2094.7	2173.9
42.5°	16648.9	14781.8	8807.7	3833.2	2335.5	1787.9	1771.5	1844.0	1962.7	2075.0	2111.2
44°	16860.0	14963.2	8745.0	3740.8	2289.3	1751.6	1751.6	1814.3	1906.7	2038.6	2081.5
45°	16912.8	15190.8	8606.5	3737.5	2233.3	1708.7	1702.2	1820.9	1883.6	2045.3	2071.7
47.5°	17117.3	15471.2	8622.9	3631.9	2098.0	1606.5	1722.0	1774.7	1830.8	1972.7	2061.7
50°	17110.7	15646.1	8586.7	3476.9	1999.1	1491.1	1682.4	1741.8	1797.8	1942.9	1979.3
52.5°	17156.9	16299.2	8919.9	3229.5	1820.9	1342.6	1550.4	1682.4	1751.6	1873.7	1949.6
55°	17133.8	16671.9	9249.7	3044.8	1570.2	1253.5	1438.3	1593.3	1692.3	1820.9	1857.2
57.5°	15649.4	14735.6	8560.3	2698.4	1299.7	1148.0	1279.9	1500.9	1626.3	1758.2	1804.4
60°	12786.0	11357.6	7059.4	1985.8	1068.8	1055.6	1190.9	1471.3	1524.0	1639.5	1718.7
62.5°	11816.2	9962.3	5598.0	1517.5	913.8	966.5	1098.5	1329.4	1411.9	1553.7	1626.3
65°	9246.4	6617.3	3467.0	1025.9	804.9	867.6	992.9	1164.5	1299.7	1431.6	1517.5
67.5°	5476.0	3615.4	1715.4	719.1	702.7	768.6	897.2	1025.9	1180.9	1326.1	1369.0
70°	2982.1	1778.0	732.3	547.6	597.1	656.5	781.8	870.9	1019.3	1131.5	1204.0
72.5°	956.7	541.0	366.1	405.8	455.2	524.5	600.4	709.2	814.8	880.8	940.1
75°	230.9	227.6	260.6	283.7	329.9	382.7	445.4	501.4	583.9	646.5	699.4
77.5°	161.6	174.8	201.2	234.2	250.7	270.5	310.1	353.0	389.2	435.4	468.4
80°	125.4	135.2	155.0	171.6	188.0	204.5	224.3	240.8	263.9	293.6	310.1
82.5°	118.8	125.4	145.2	155.0	148.5	145.2	158.3	164.9	168.3	178.1	188.0
85°	9.9	0.0	6.6	23.1	56.1	82.4	89.1	89.1	85.7	92.4	92.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	13.2	9.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8
2.5°	8919.9	8807.7	8850.6	8903.3	8827.5	8652.7	8698.8	8679.1	8857.2	8844.0	9022.1
5°	7478.3	7303.4	7323.2	7580.5	7498.1	7587.2	7409.1	7386.0	7418.9	7435.4	7465.1
7.5°	5723.3	5700.2	5898.2	6115.9	6218.2	6112.6	5937.8	5898.2	5861.9	5789.3	5954.2
10°	4671.1	4677.6	4664.5	4829.4	4944.9	4921.8	4816.2	4803.0	4733.7	4707.3	4799.7
12.5°	4169.6	4080.6	4037.7	3984.9	4073.9	4133.4	4087.2	4054.2	4057.5	4090.5	4103.7
15°	3684.7	3628.7	3536.3	3476.9	3519.8	3490.1	3473.6	3539.6	3523.1	3516.5	3595.7
17.5°	3140.5	3186.6	3180.0	3114.1	3170.1	3147.0	3143.7	3097.5	3034.8	2988.7	3015.1
20°	2780.8	2866.6	2932.6	2935.9	2965.6	2962.3	2912.8	2771.0	2724.8	2714.9	2721.5
22.5°	2652.2	2698.4	2777.5	2889.7	2889.7	2837.0	2777.5	2612.6	2569.7	2523.5	2503.8
25°	2549.9	2639.0	2741.3	2754.4	2807.3	2757.8	2662.1	2579.7	2490.6	2427.9	2427.9
27.5°	2497.1	2596.1	2672.0	2695.1	2767.7	2728.1	2629.1	2523.5	2418.0	2414.7	2358.6
30°	2474.0	2566.4	2615.9	2672.0	2705.0	2642.3	2612.6	2500.4	2394.9	2368.5	2276.2
32.5°	2404.8	2536.8	2629.1	2615.9	2642.3	2615.9	2573.0	2480.7	2361.9	2302.6	2292.6
35°	2325.7	2457.6	2556.6	2625.8	2642.3	2586.2	2559.9	2434.5	2272.8	2243.1	2140.9
37.5°	2282.8	2361.9	2484.0	2596.1	2619.2	2589.5	2500.4	2371.8	2210.2	2177.2	2088.1
40°	2230.0	2332.2	2427.9	2520.2	2589.5	2517.0	2414.7	2289.3	2216.8	2117.8	2091.4
42.5°	2190.4	2305.9	2385.0	2487.3	2566.4	2470.8	2352.1	2266.2	2164.0	2098.0	2022.2
44°	2177.2	2282.8	2335.5	2460.9	2526.8	2454.3	2355.3	2266.2	2147.5	2088.1	2022.2
45°	2131.0	2276.2	2332.2	2444.4	2500.4	2441.1	2315.7	2226.7	2140.9	2068.3	1999.1
47.5°	2084.8	2183.8	2279.5	2368.5	2408.1	2388.3	2282.8	2173.9	2071.7	2028.8	1962.7
50°	2071.7	2170.6	2259.7	2342.1	2388.3	2348.7	2253.1	2147.5	2028.8	1959.5	1903.4
52.5°	2005.7	2127.7	2226.7	2253.1	2312.4	2289.3	2216.8	2101.3	1989.1	1929.8	1883.6
55°	1910.0	2038.6	2173.9	2206.9	2292.6	2256.4	2147.5	2038.6	1942.9	1853.9	1794.6
57.5°	1873.7	1999.1	2131.0	2173.9	2226.7	2167.3	2140.9	2025.5	1873.7	1827.5	1735.1
60°	1781.3	1939.6	2048.6	2147.5	2150.8	2134.3	2088.1	1956.2	1830.8	1745.1	1679.1
62.5°	1708.7	1857.2	1942.9	2035.3	2091.4	2045.3	1999.1	1877.0	1741.8	1646.1	1570.2
65°	1603.2	1738.4	1811.0	1867.1	1929.8	1923.2	1844.0	1754.9	1613.1	1537.3	1464.7
67.5°	1441.6	1560.3	1659.3	1712.0	1751.6	1741.8	1682.4	1619.7	1474.5	1398.7	1345.9
70°	1246.9	1369.0	1431.6	1461.4	1500.9	1520.7	1474.5	1444.9	1316.2	1217.3	1167.8
72.5°	1002.8	1082.0	1174.3	1200.7	1217.3	1230.4	1230.4	1204.0	1072.1	1032.5	946.7
75°	738.9	801.6	870.9	870.9	900.5	903.9	910.5	894.0	795.0	742.2	722.4
77.5°	501.4	547.6	603.7	626.8	646.5	643.2	639.9	593.7	541.0	517.9	498.1
80°	326.6	372.8	399.2	428.8	448.7	445.4	451.9	418.9	395.9	356.3	362.8
82.5°	194.7	230.9	257.3	293.6	293.6	303.5	303.5	293.6	270.5	250.7	250.7
85°	92.4	122.1	138.5	161.6	174.8	178.1	158.3	135.2	112.1	102.3	112.1
87.5°	16.5	23.1	33.0	29.7	36.3	33.0	33.0	33.0	33.0	26.4	29.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8	10077.8
2.5°	8956.2	9121.1	9236.6	9427.9	9757.7	10021.6	10292.1	10493.4	10516.5	10575.8
5°	7574.0	7663.1	7956.6	8339.3	8609.8	9055.1	9342.1	9863.3	10057.9	10265.8
7.5°	5914.7	6059.9	6452.4	6709.7	7303.4	7860.9	8438.2	9081.5	9338.8	9368.5
10°	4987.7	5198.9	5466.0	5878.4	6201.7	6821.9	7541.0	8256.8	8543.8	8593.3
12.5°	4380.7	4651.3	5007.5	5304.4	5614.5	6155.5	6844.9	7729.0	8101.8	8326.1
15°	3796.8	4077.2	4469.8	4882.2	5156.0	5802.5	6614.0	7610.3	8095.2	8293.1
17.5°	3196.5	3457.1	3780.4	4225.7	4776.6	5502.4	6577.7	8006.1	8537.2	8768.1
20°	2681.9	2827.0	3203.1	3661.6	4351.1	5195.6	6590.9	8590.0	9368.5	9470.8
22.5°	2480.7	2513.7	2662.1	3084.3	3839.8	4882.2	6825.2	9418.0	10302.1	10638.5
25°	2325.7	2319.0	2358.6	2642.3	3467.0	4760.1	7056.1	10180.0	11337.8	11704.0
27.5°	2239.8	2173.9	2177.2	2444.4	3203.1	4562.2	7352.9	11054.2	12512.3	12673.9
30°	2196.9	2183.8	2144.2	2253.1	2916.1	4265.3	7402.4	11915.1	13205.0	13439.2
32.5°	2170.6	2041.9	1992.4	2032.0	2645.6	3942.0	7587.2	12482.5	14062.7	13960.4
35°	2038.6	1923.2	1890.2	1929.8	2454.3	3760.6	7465.1	12977.4	14705.9	14877.5
37.5°	1989.1	1886.9	1820.9	1787.9	2276.2	3608.8	7402.4	13739.4	15329.3	15741.7
40°	1942.9	1834.1	1754.9	1722.0	2137.6	3407.6	7382.7	14326.6	16048.5	16295.9
42.5°	1890.2	1820.9	1731.8	1672.5	1969.4	3206.4	7155.1	14508.0	16269.5	16536.7
44°	1873.7	1768.2	1675.8	1656.0	1903.4	3104.1	7108.9	14673.0	16460.9	16866.6
45°	1857.2	1758.2	1652.7	1626.3	1880.3	3048.1	7046.1	14712.5	16777.5	16853.4
47.5°	1811.0	1748.4	1646.1	1573.5	1830.8	2926.0	6858.1	14488.2	16454.3	16467.4
50°	1774.7	1702.2	1596.6	1454.7	1764.8	2823.7	6943.9	14405.7	15675.7	15705.4
52.5°	1735.1	1626.3	1566.9	1322.8	1656.0	2738.0	7125.3	14778.5	15764.8	15758.2
55°	1688.9	1570.2	1425.1	1210.7	1474.5	2629.1	7564.1	15514.1	16589.5	16701.6
57.5°	1616.4	1514.2	1306.3	1111.7	1266.7	2421.3	7422.2	14105.5	15263.4	15283.2
60°	1520.7	1425.1	1184.3	1035.8	1039.1	1910.0	6637.1	10991.5	12043.8	12330.8
62.5°	1428.3	1375.6	1082.0	926.9	884.1	1520.7	5611.2	9134.3	10338.3	10575.8
65°	1319.5	1190.9	992.9	844.5	758.7	1065.5	3975.0	6825.2	8065.4	8385.5
67.5°	1180.9	1042.4	874.1	742.2	649.9	712.5	2051.9	3879.4	5136.2	5324.2
70°	1032.5	903.9	735.6	626.8	524.5	491.5	903.9	1850.6	2807.3	3001.9
72.5°	847.8	729.1	587.2	494.8	392.5	339.7	303.5	494.8	996.2	1157.9
75°	613.6	531.1	442.0	353.0	277.1	217.8	178.1	148.5	164.9	178.1
77.5°	451.9	385.9	326.6	250.7	194.7	155.0	122.1	92.4	89.1	85.7
80°	353.0	313.4	260.6	201.2	151.7	115.5	85.7	62.6	56.1	56.1
82.5°	277.1	257.3	214.4	164.9	125.4	92.4	62.6	42.9	36.3	36.3
85°	105.5	105.5	155.0	135.2	95.7	66.0	42.9	23.1	19.8	19.8
87.5°	26.4	26.4	26.4	26.4	23.1	19.8	19.8	9.9	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)