

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: P956263

Luminaire Tested: **GALN-SB9A-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9A-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25759 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 255.5
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



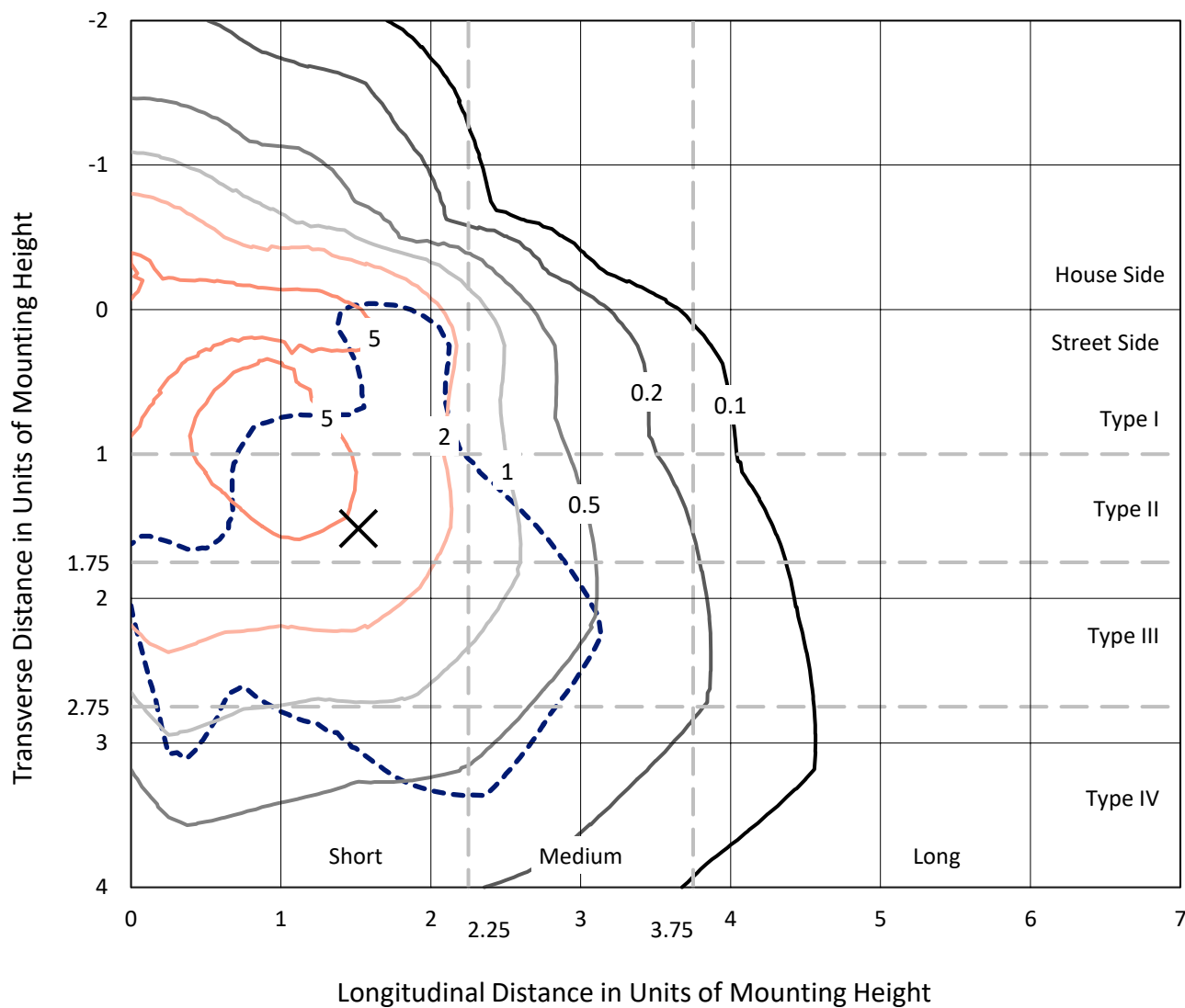
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Iso-Footcandle Lines of Horizontal Illumination

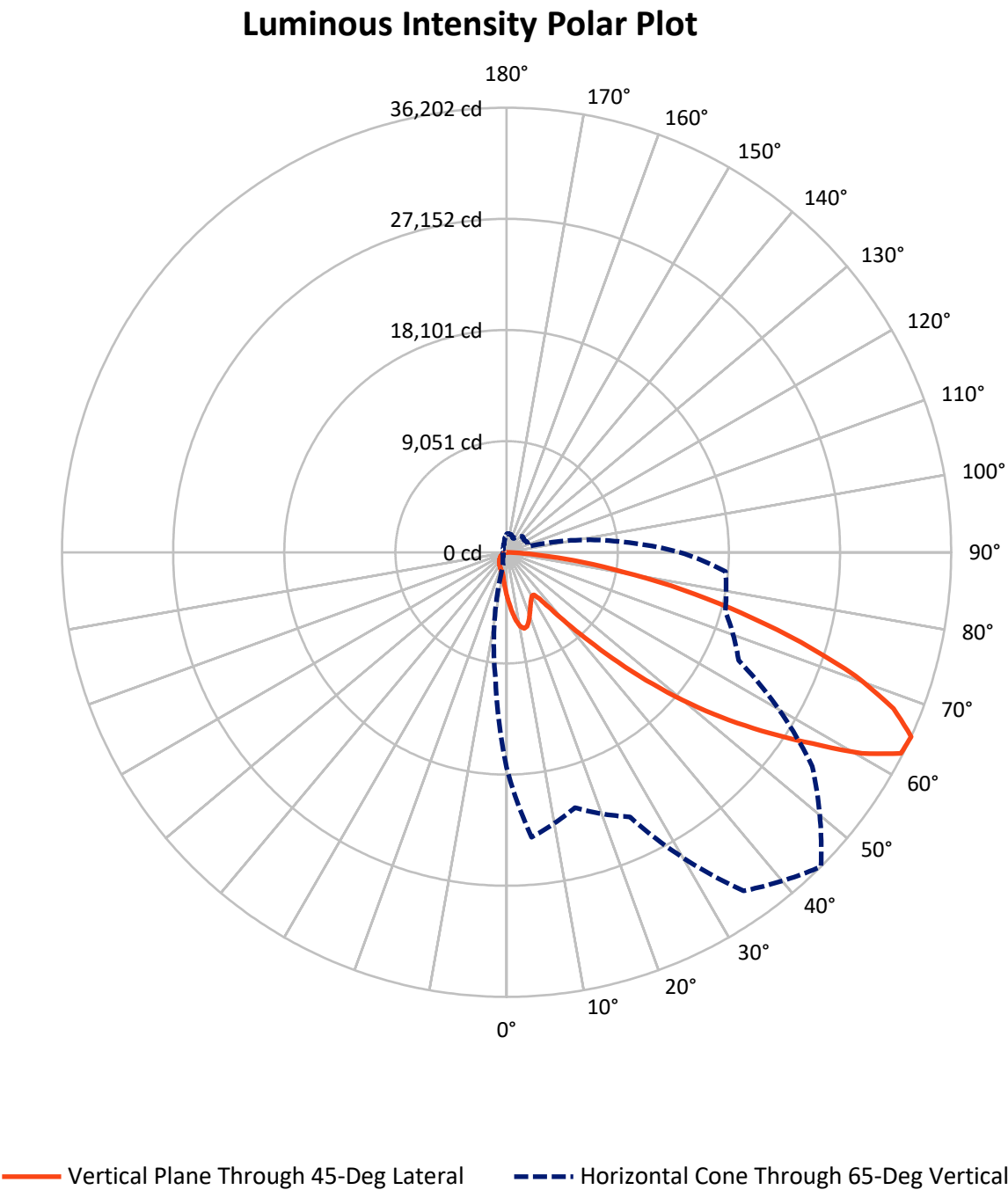
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - N/A

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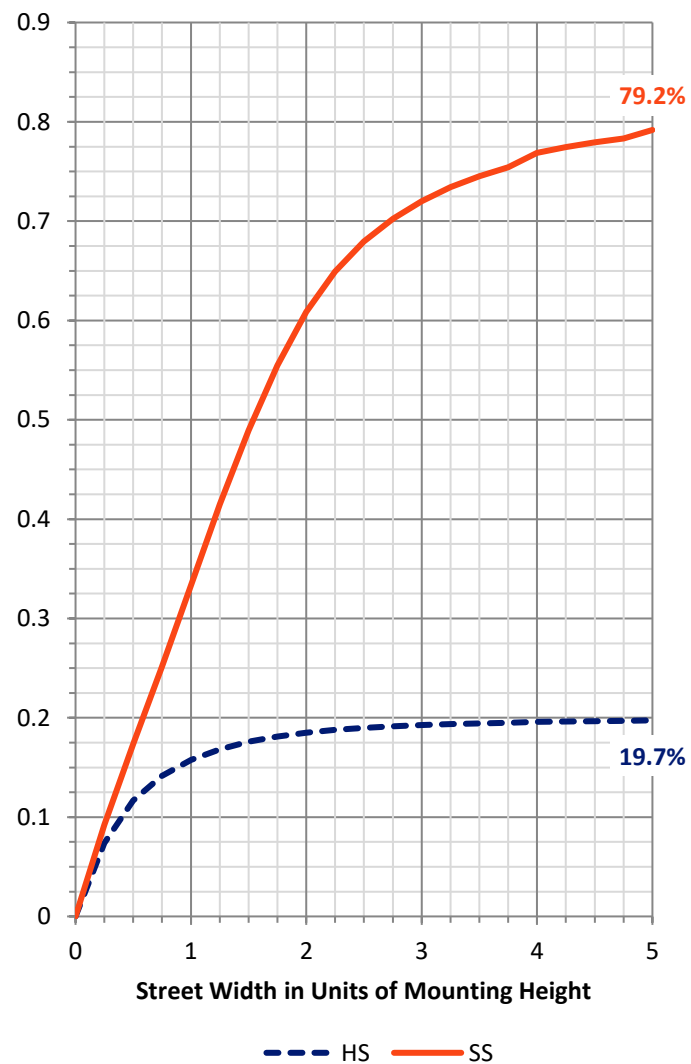
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5120.1	0.0	5120.1
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	20638.9	0.0	20638.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	25759.0	0.0	25759.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.2	1.4
10°-20°	1052.7	4.1
20°-30°	1550.8	6.0
30°-40°	1992.4	7.7
40°-50°	3222.3	12.5
50°-60°	5650.6	21.9
60°-70°	7070.4	27.4
70°-80°	4131.6	16.0
80°-90°	737.1	2.9
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°	25759.0	100.0
0°-180°	25759.0	100.0

Coefficient of Utilization



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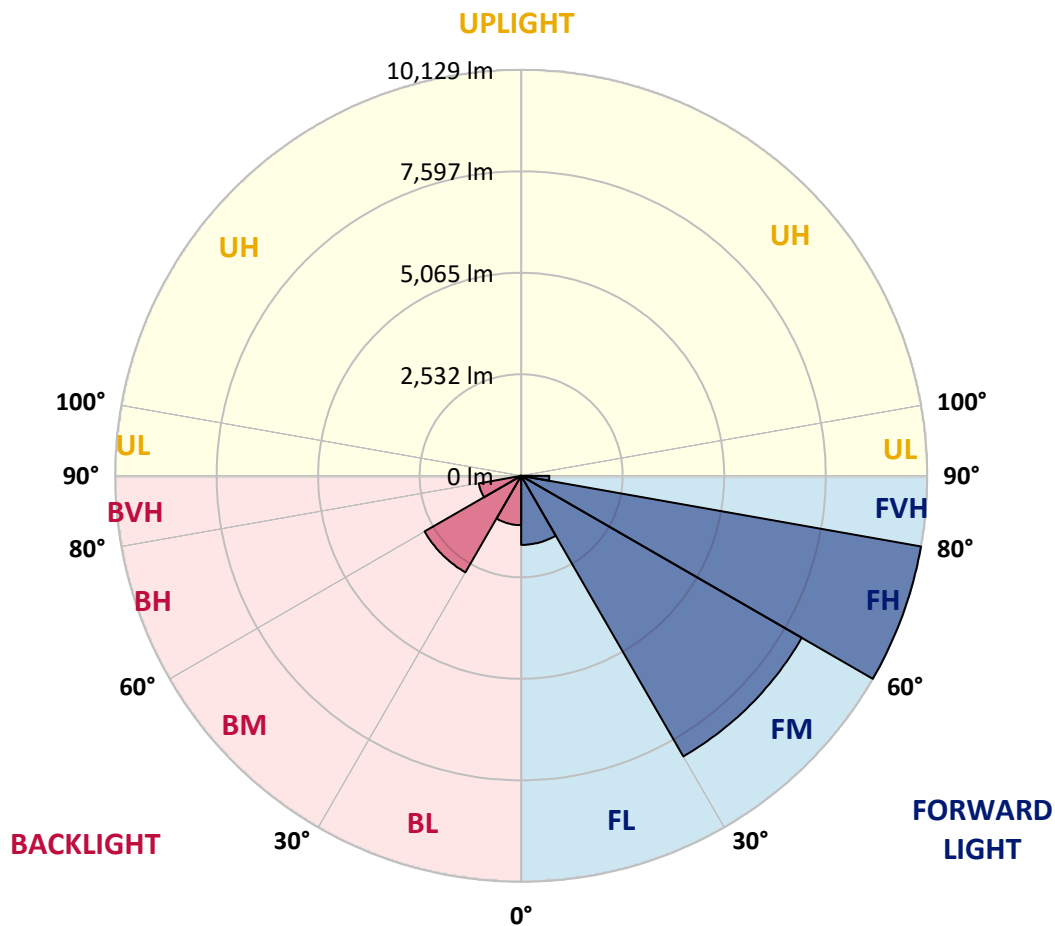
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1723.6	6.7			
FM	(30°-60°)	8083.5	31.4			
FH	(60°-80°)	10129.2	39.3			G4/12000
FVH	(80°-90°)	702.6	2.7			G4/750
BL	(0°-30°)	1231.1	4.8	B3/2500		
BM	(30°-60°)	2781.7	10.8	B3/5000		
BH	(60°-80°)	1072.8	4.2	B3/2500		G3/2500
BVH	(80°-90°)	34.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8
2.5°	3996.2	4026.4	4093.8	4129.3	4184.3	4187.9	4187.9	4140.0	4138.2	4040.6	4029.9
5°	4466.5	4537.5	4697.2	4862.2	4897.7	4906.6	4888.8	4793.0	4722.0	4532.1	4491.3
7.5°	4933.2	5069.8	5312.9	5533.0	5604.0	5604.0	5561.4	5405.2	5259.7	4984.6	4881.7
10°	5320.0	5492.2	5822.2	6068.9	6150.5	6132.8	6045.8	5848.8	5648.3	5314.7	5179.8
12.5°	5575.6	5769.0	6131.0	6329.7	6413.1	6367.0	6267.6	6076.0	5864.8	5513.5	5360.8
15°	5703.3	5905.6	6219.7	6324.4	6301.3	6253.4	6241.0	6148.7	5989.0	5660.7	5493.9
17.5°	5758.3	5946.4	6164.7	6099.0	5903.8	5866.6	5990.8	6107.9	6068.9	5788.5	5632.3
20°	5809.8	5967.7	6033.4	5742.4	5401.7	5367.9	5605.7	5939.3	6109.7	5907.4	5763.7
22.5°	5880.8	5978.4	5843.5	5366.2	4998.8	4920.8	5183.4	5685.6	6122.1	6058.2	5914.5
25°	5978.4	6005.0	5634.1	5009.5	4640.4	4562.3	4807.2	5403.4	6100.8	6221.5	6099.0
27.5°	6095.5	6040.5	5433.6	4711.4	4354.7	4281.9	4526.8	5131.9	6040.5	6384.7	6297.8
30°	6248.1	6086.6	5234.9	4480.7	4150.6	4097.4	4333.4	4897.7	5966.0	6592.4	6544.5
32.5°	6402.5	6106.1	5050.3	4345.8	4104.5	4124.0	4317.4	4771.7	5884.3	6791.1	6814.2
35°	6569.3	6168.3	4959.8	4478.9	4489.6	4659.9	4739.8	4888.8	5871.9	7060.8	7151.3
37.5°	6796.4	6306.7	5068.0	5140.8	5509.9	5863.0	5797.4	5462.0	6015.6	7463.7	7632.2
40°	7122.9	6549.8	5540.1	6267.6	7025.3	7598.5	7348.3	6503.6	6455.7	8043.9	8295.9
42.5°	7598.5	6936.6	6377.6	7644.7	8929.4	9873.5	9202.7	7847.0	7225.9	8872.6	9193.8
45°	8301.2	7563.0	7390.9	9098.0	11277.1	12764.2	11369.4	9279.0	8304.8	10127.2	10379.2
47.5°	9275.4	8484.0	8340.3	10629.4	14130.6	16054.1	13772.1	10606.3	9532.8	11837.9	11896.4
50°	10569.1	9724.4	9240.0	12304.6	17259.0	19408.0	16173.0	11887.5	10940.0	13928.3	13860.8
52.5°	12276.2	11454.6	10288.7	13899.9	20476.3	22690.9	18584.6	13012.6	12686.1	16354.0	16215.6
55°	14604.3	14057.8	11722.5	15422.4	23691.7	25993.3	20902.1	14073.8	14993.0	19235.9	18398.3
57.5°	17493.3	17883.7	13789.8	17188.1	26582.4	29396.8	23230.3	15557.3	17988.4	22458.4	19665.3
60°	19356.5	22971.2	17748.8	19798.4	29867.0	33245.7	26420.9	18378.8	21136.4	23613.6	19424.0
62.5°	18905.8	24589.6	22490.3	23130.9	32887.3	36044.2	29547.6	21212.7	21729.1	21911.8	17564.3
65°	17523.4	23283.6	21523.2	23778.6	33652.1	36202.1	30383.4	20847.1	18432.0	17889.0	14118.1
67.5°	15621.2	21734.4	19225.2	22060.9	32269.8	33994.6	28827.2	18440.9	14244.1	13424.3	10242.6
70°	13568.0	20020.2	17716.9	20133.8	29634.6	30147.4	26181.4	16219.2	10476.8	9066.1	6572.8
72.5°	11619.6	18235.0	16684.1	18158.7	26119.2	25058.1	22737.0	14254.8	7628.7	6539.1	4672.3
75°	9626.8	15601.6	15213.0	15812.8	21496.6	19738.1	18891.6	11802.4	5987.3	4730.9	3224.3
77.5°	7428.2	12191.0	13085.4	12663.0	15131.4	14661.1	14643.4	8869.1	4374.2	3156.9	2021.2
80°	5084.0	8496.4	10223.0	8933.0	9820.2	9580.7	11028.7	5950.0	3172.9	1900.5	1125.0
82.5°	2988.3	5172.7	7115.8	4324.5	5430.0	5573.8	6567.5	2894.3	1866.8	438.3	244.9
85°	1212.0	2042.5	2782.5	1692.9	2619.2	2209.3	2493.2	812.7	519.9	10.6	0.0
87.5°	305.2	653.0	457.8	189.9	303.4	278.6	220.0	99.4	21.3	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8
2.5°	3960.7	3919.9	3818.8	3717.6	3636.0	3526.0	3453.2	3366.3	3282.9	3208.3	3194.1
5°	4379.5	4244.7	4060.1	3891.5	3719.4	3552.6	3387.6	3213.7	3054.0	2956.4	2894.3
7.5°	4720.2	4482.5	4237.6	4022.9	3815.2	3620.0	3401.8	3190.6	2940.4	2807.3	2686.6
10°	4974.0	4661.7	4340.5	4093.8	3884.4	3694.6	3510.0	3297.1	2995.4	2828.6	2647.6
12.5°	5140.8	4769.9	4393.7	4111.6	3877.3	3730.1	3648.4	3565.0	3265.1	3069.9	2807.3
15°	5256.1	4846.2	4431.0	4070.8	3783.3	3675.0	3756.7	3852.5	3660.8	3435.5	3093.0
17.5°	5382.1	4945.6	4447.0	3960.7	3600.5	3554.4	3765.5	3987.4	3978.5	3754.9	3419.5
20°	5515.2	5032.6	4436.3	3783.3	3378.7	3419.5	3689.2	3946.5	4054.8	3934.1	3636.0
22.5°	5651.9	5116.0	4395.5	3552.6	3171.1	3298.8	3568.6	3793.9	3921.7	3884.4	3657.3
25°	5824.0	5233.1	4335.2	3304.2	2998.9	3176.4	3428.4	3611.2	3699.9	3698.1	3542.0
27.5°	6029.8	5389.2	4303.2	3103.6	2876.5	3038.0	3261.6	3424.8	3486.9	3486.9	3362.7
30°	6269.4	5573.8	4267.7	2972.3	2805.5	2894.3	3068.2	3227.9	3290.0	3290.0	3185.3
32.5°	6535.6	5751.2	4182.6	2892.5	2752.3	2754.1	2864.1	3009.6	3084.1	3094.8	3020.2
35°	6855.0	5941.1	3996.2	2828.6	2690.2	2617.4	2670.7	2791.3	2880.1	2903.1	2857.0
37.5°	7273.8	6173.6	3730.1	2734.5	2594.4	2473.7	2486.1	2578.4	2676.0	2711.5	2681.3
40°	7836.3	6446.9	3453.2	2599.7	2459.5	2315.8	2310.4	2377.9	2473.7	2512.7	2496.8
42.5°	8579.8	6775.1	3188.8	2470.1	2296.2	2149.0	2140.1	2193.3	2276.7	2317.5	2310.4
45°	9531.0	7178.0	2961.7	2369.0	2136.5	1991.0	1987.5	2031.8	2104.6	2147.2	2138.3
47.5°	10853.0	7580.8	2807.3	2315.8	2010.5	1861.5	1868.6	1907.6	1973.3	2003.4	1991.0
50°	12576.1	7703.2	2729.2	2315.8	1943.1	1746.1	1781.6	1813.6	1863.3	1881.0	1865.0
52.5°	14229.9	7298.6	2658.2	2330.0	1952.0	1648.5	1724.8	1747.9	1790.5	1797.6	1774.5
55°	15040.9	6274.7	2560.6	2333.5	2007.0	1565.1	1678.7	1721.3	1737.3	1735.5	1696.4
57.5°	14762.3	5073.4	2395.6	2319.3	2044.3	1511.9	1621.9	1703.5	1714.2	1698.2	1625.5
60°	13784.5	3735.4	2269.6	2214.6	2030.1	1495.9	1535.0	1664.5	1680.5	1659.2	1540.3
62.5°	12144.9	2592.6	2172.0	1983.9	1967.9	1490.6	1398.3	1579.3	1618.4	1588.2	1414.3
65°	9561.1	1831.3	1870.4	1739.0	1833.1	1462.2	1256.4	1476.4	1529.6	1483.5	1238.6
67.5°	6469.9	1322.0	1515.4	1575.8	1614.8	1398.3	1153.4	1359.3	1430.3	1369.9	1034.5
70°	3494.0	928.1	1000.8	1327.3	1371.7	1288.3	1061.2	1240.4	1322.0	1256.4	842.9
72.5°	2063.8	667.2	700.9	1066.5	1142.8	1133.9	958.2	1102.0	1201.4	1123.3	685.0
75°	1137.5	450.7	500.4	773.7	928.1	874.8	823.4	933.4	1034.5	958.2	528.8
77.5°	509.3	269.7	347.8	507.5	729.3	599.8	637.1	727.6	821.6	741.8	353.1
80°	197.0	150.8	230.7	276.8	530.6	331.8	409.9	535.9	603.3	539.5	214.7
82.5°	24.8	67.4	99.4	108.2	308.8	175.7	237.8	337.2	331.8	287.5	108.2
85°	0.0	12.4	14.2	7.1	133.1	63.9	78.1	110.0	102.9	78.1	8.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8
2.5°	3107.2	3043.3	3011.4	2984.8	3009.6	3023.8	3023.8	3084.1	3119.6	3133.8	3233.2
5°	2738.1	2619.2	2539.3	2491.4	2507.4	2525.2	2544.7	2621.0	2672.4	2706.2	2860.5
7.5°	2447.1	2266.1	2154.3	2095.7	2104.6	2117.0	2133.0	2207.5	2259.0	2303.3	2475.5
10°	2303.3	2047.8	1900.5	1829.5	1817.1	1810.0	1804.7	1849.1	1888.1	1923.6	2093.9
12.5°	2310.4	1953.8	1774.5	1687.6	1650.3	1607.7	1574.0	1581.1	1605.9	1650.3	1758.6
15°	2400.9	1923.6	1708.9	1600.6	1538.5	1488.8	1448.0	1439.1	1448.0	1455.1	1522.5
17.5°	2523.4	1920.0	1652.1	1517.2	1453.3	1412.5	1375.3	1362.8	1364.6	1373.5	1391.2
20°	2621.0	1909.4	1588.2	1437.4	1380.6	1345.1	1307.8	1295.4	1299.0	1300.7	1320.2
22.5°	2672.4	1893.4	1517.2	1357.5	1309.6	1274.1	1240.4	1238.6	1238.6	1249.3	1263.5
25°	2672.4	1859.7	1453.3	1281.2	1238.6	1206.7	1165.9	1173.0	1176.5	1190.7	1212.0
27.5°	2608.6	1795.8	1401.9	1215.6	1171.2	1139.2	1102.0	1110.9	1116.2	1132.1	1158.8
30°	2526.9	1719.5	1343.3	1153.4	1102.0	1078.9	1047.0	1050.5	1057.6	1075.4	1105.5
32.5°	2440.0	1629.0	1295.4	1091.3	1039.9	1022.1	986.6	992.0	999.1	1018.6	1052.3
35°	2344.1	1522.5	1238.6	1034.5	983.1	968.9	928.1	931.6	942.3	963.6	997.3
37.5°	2243.0	1435.6	1181.8	979.5	926.3	912.1	869.5	873.1	885.5	910.3	942.3
40°	2143.6	1350.4	1121.5	921.0	867.7	855.3	809.2	812.7	826.9	853.5	887.3
42.5°	2035.4	1284.8	1043.4	860.6	803.9	791.4	748.8	754.2	770.1	796.8	830.5
45°	1905.8	1242.2	956.5	803.9	740.0	727.6	688.5	699.2	716.9	743.5	779.0
47.5°	1772.8	1224.4	883.7	743.5	674.3	663.7	631.7	649.5	669.0	690.3	729.3
50°	1645.0	1201.4	809.2	686.7	617.5	606.9	585.6	608.7	628.2	647.7	685.0
52.5°	1499.5	1151.7	741.8	637.1	569.6	566.1	555.4	576.7	594.5	612.2	644.2
55°	1348.6	1071.8	683.2	592.7	528.8	532.4	527.0	544.8	559.0	574.9	603.3
57.5°	1217.3	970.7	637.1	544.8	493.3	504.0	496.9	505.7	514.6	534.1	557.2
60°	1084.2	850.0	585.6	488.0	457.8	470.2	450.7	449.0	452.5	457.8	500.4
62.5°	905.0	724.0	521.7	438.3	418.8	424.1	386.8	358.5	358.5	363.8	427.7
65°	727.6	606.9	450.7	381.5	365.6	362.0	308.8	269.7	266.2	282.1	337.2
67.5°	598.0	504.0	379.7	317.6	307.0	310.5	271.5	232.5	228.9	246.7	287.5
70°	495.1	406.4	303.4	244.9	255.5	271.5	232.5	195.2	189.9	205.8	244.9
72.5°	393.9	317.6	232.5	181.0	211.2	230.7	189.9	154.4	150.8	165.0	202.3
75°	289.2	227.1	157.9	131.3	163.3	181.0	138.4	110.0	104.7	117.1	154.4
77.5°	179.2	127.8	99.4	78.1	111.8	120.7	72.8	63.9	62.1	71.0	97.6
80°	83.4	55.0	47.9	26.6	40.8	47.9	30.2	33.7	35.5	42.6	60.3
82.5°	23.1	8.9	1.8	0.0	0.0	14.2	7.1	14.2	17.7	26.6	39.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	8.9	16.0	28.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	14.2
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8	3566.8
2.5°	3307.7	3378.7	3492.3	3609.4	3724.7	3841.8	3955.4	3996.2
5°	3000.7	3164.0	3389.3	3630.7	3879.1	4131.1	4361.8	4466.5
7.5°	2658.2	2892.5	3231.4	3609.4	4005.1	4400.8	4764.6	4933.2
10°	2292.7	2589.0	2975.9	3486.9	4054.8	4601.3	5101.8	5320.0
12.5°	1944.9	2255.4	2683.1	3295.3	4015.8	4716.7	5318.3	5575.6
15°	1653.9	1928.9	2390.3	3068.2	3889.8	4723.8	5421.2	5703.3
17.5°	1435.6	1614.8	2092.2	2816.2	3724.7	4658.1	5456.7	5758.3
20°	1327.3	1377.0	1705.3	2493.2	3570.3	4596.0	5492.2	5809.8
22.5°	1263.5	1275.9	1394.8	2076.2	3385.8	4576.5	5554.3	5880.8
25°	1212.0	1215.6	1247.5	1645.0	3103.6	4564.1	5650.1	5978.4
27.5°	1160.5	1160.5	1178.3	1325.6	2720.3	4510.8	5774.3	6095.5
30°	1109.1	1109.1	1121.5	1173.0	2271.4	4406.1	5923.4	6248.1
32.5°	1055.8	1055.8	1066.5	1103.8	1813.6	4274.8	6060.0	6402.5
35°	1002.6	999.1	1013.3	1052.3	1442.7	4108.0	6196.6	6569.3
37.5°	945.8	944.0	958.2	1002.6	1245.7	3914.6	6299.6	6796.4
40°	885.5	885.5	901.5	949.4	1188.9	3671.5	6462.8	7122.9
42.5°	830.5	826.9	844.7	903.2	1146.3	3439.0	6755.6	7598.5
45°	777.2	770.1	786.1	858.9	1071.8	3357.4	7302.2	8301.2
47.5°	727.6	709.8	724.0	805.6	1004.4	3662.6	8196.5	9275.4
50°	686.7	653.0	665.4	752.4	952.9	4324.5	9357.1	10569.1
52.5°	644.2	599.8	606.9	686.7	906.8	4954.5	10615.2	12276.2
55°	599.8	550.1	553.7	621.1	841.1	5048.5	11843.2	14604.3
57.5°	550.1	504.0	504.0	560.8	793.2	4376.0	12787.2	17493.3
60°	495.1	464.9	456.1	512.8	835.8	3087.7	12897.3	19356.5
62.5°	434.8	418.8	406.4	466.7	867.7	1829.5	12011.8	18905.8
65°	365.6	362.0	353.1	512.8	731.1	1080.7	10311.8	17523.4
67.5°	307.0	301.7	301.7	537.7	555.4	679.6	8056.3	15621.2
70°	264.4	244.9	244.9	406.4	337.2	470.2	5625.2	13568.0
72.5°	221.8	200.5	186.3	324.7	252.0	344.3	3515.3	11619.6
75°	177.5	161.5	143.7	214.7	188.1	260.9	2042.5	9626.8
77.5°	127.8	120.7	101.1	157.9	136.6	188.1	1215.6	7428.2
80°	65.7	67.4	63.9	90.5	92.3	127.8	692.1	5084.0
82.5°	39.0	30.2	33.7	44.4	53.2	72.8	260.9	2988.3
85°	24.8	16.0	16.0	21.3	26.6	28.4	79.9	1212.0
87.5°	12.4	5.3	7.1	10.6	8.9	7.1	3.5	305.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)