

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: P951267

Luminaire Tested: **GALN-SB5C-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951267
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-SB5C-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23851 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 249.5
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



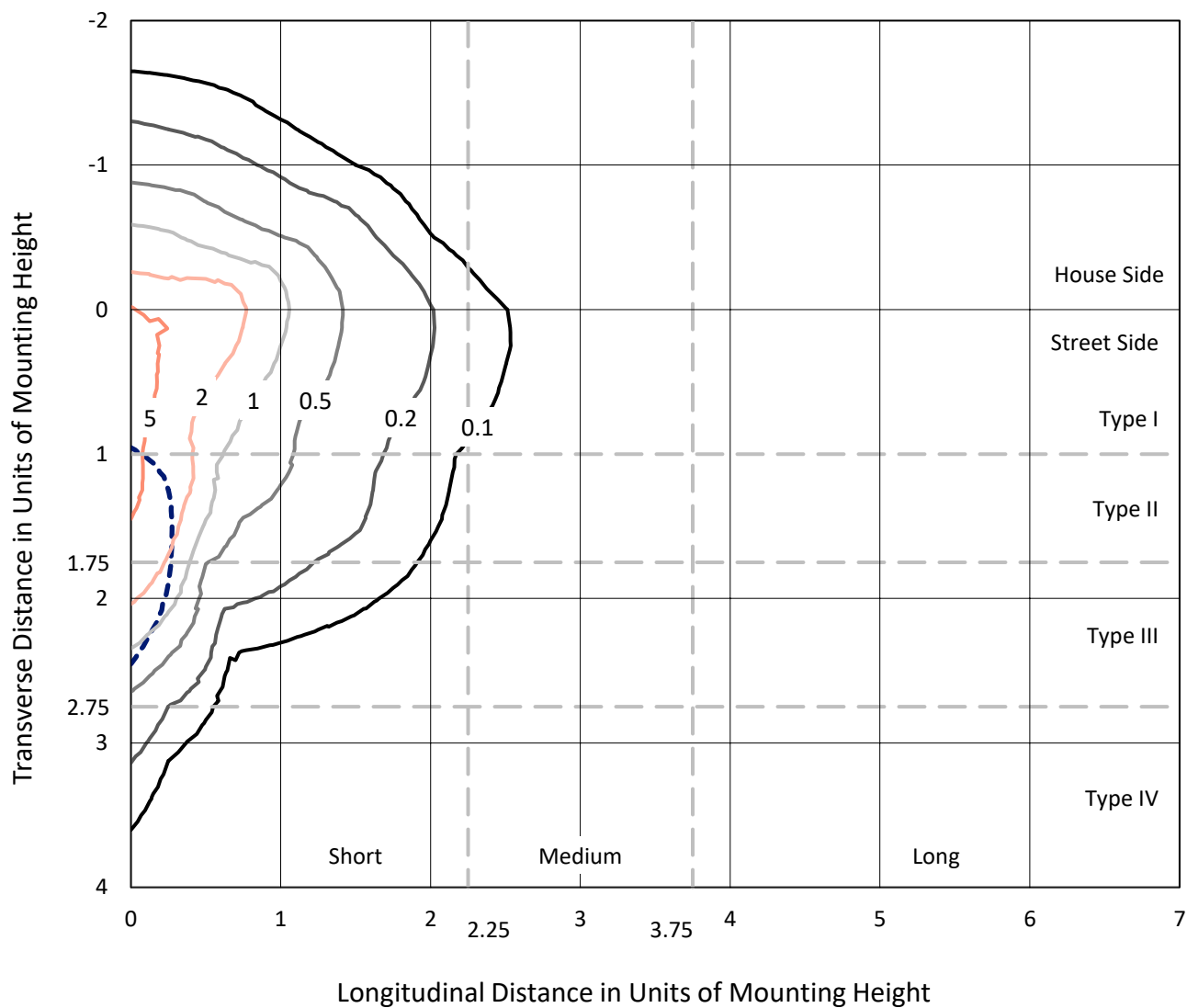
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

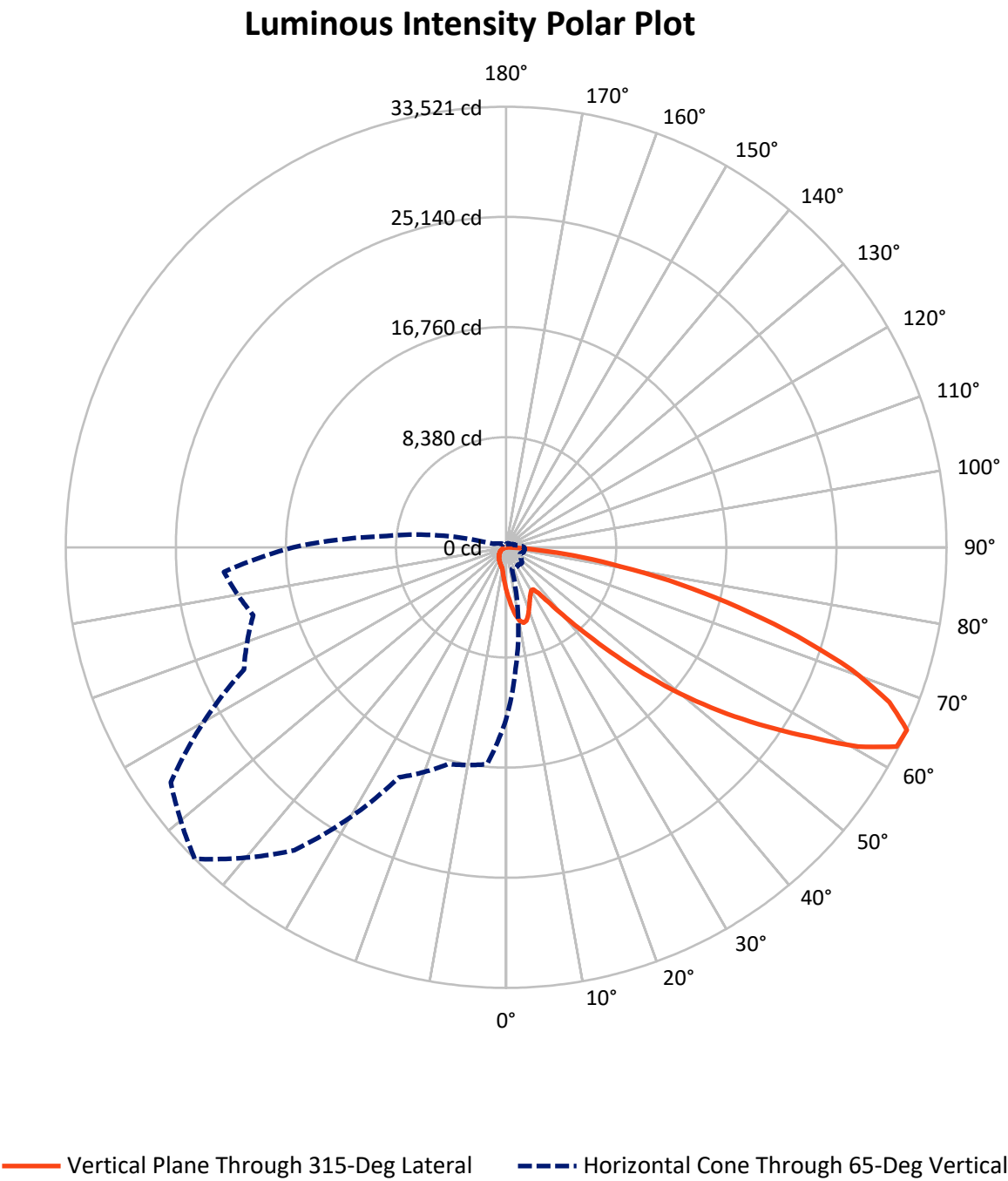
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc

Type IV - Short - N/A

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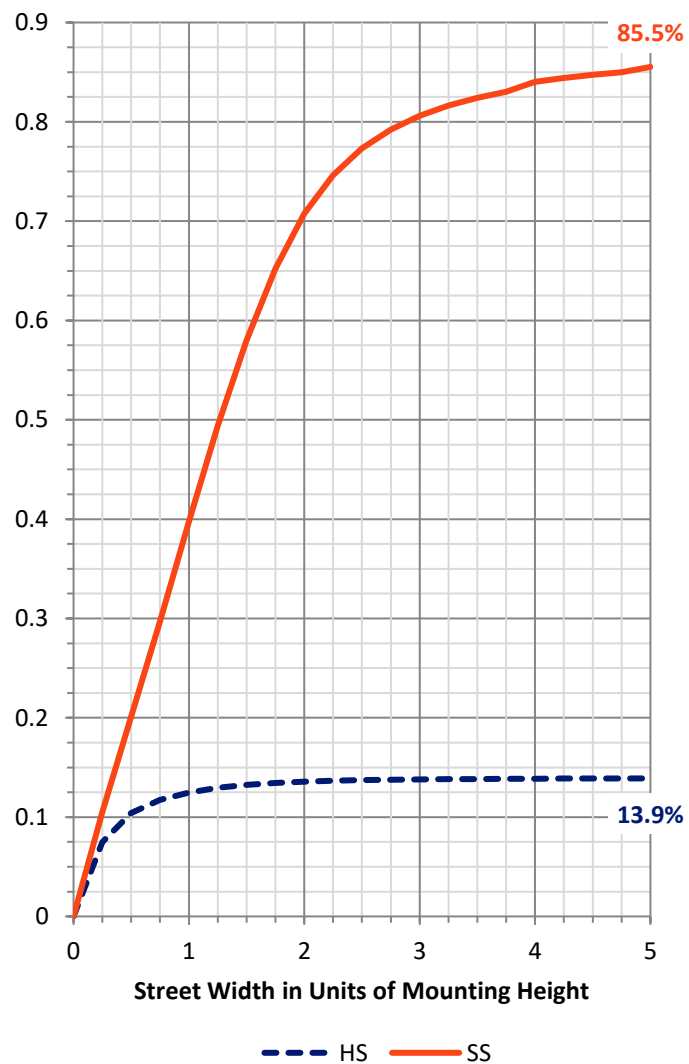
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3340.2	0.0	3340.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	20510.8	0.0	20510.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	23851.0	0.0	23851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.2	1.4
10°-20°	974.7	4.1
20°-30°	1435.9	6.0
30°-40°	1844.8	7.7
40°-50°	2983.6	12.5
50°-60°	5232.0	21.9
60°-70°	6546.7	27.4
70°-80°	3825.6	16.0
80°-90°	682.5	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°	23851.0	100.0
0°-180°	23851.0	100.0

Coefficient of Utilization



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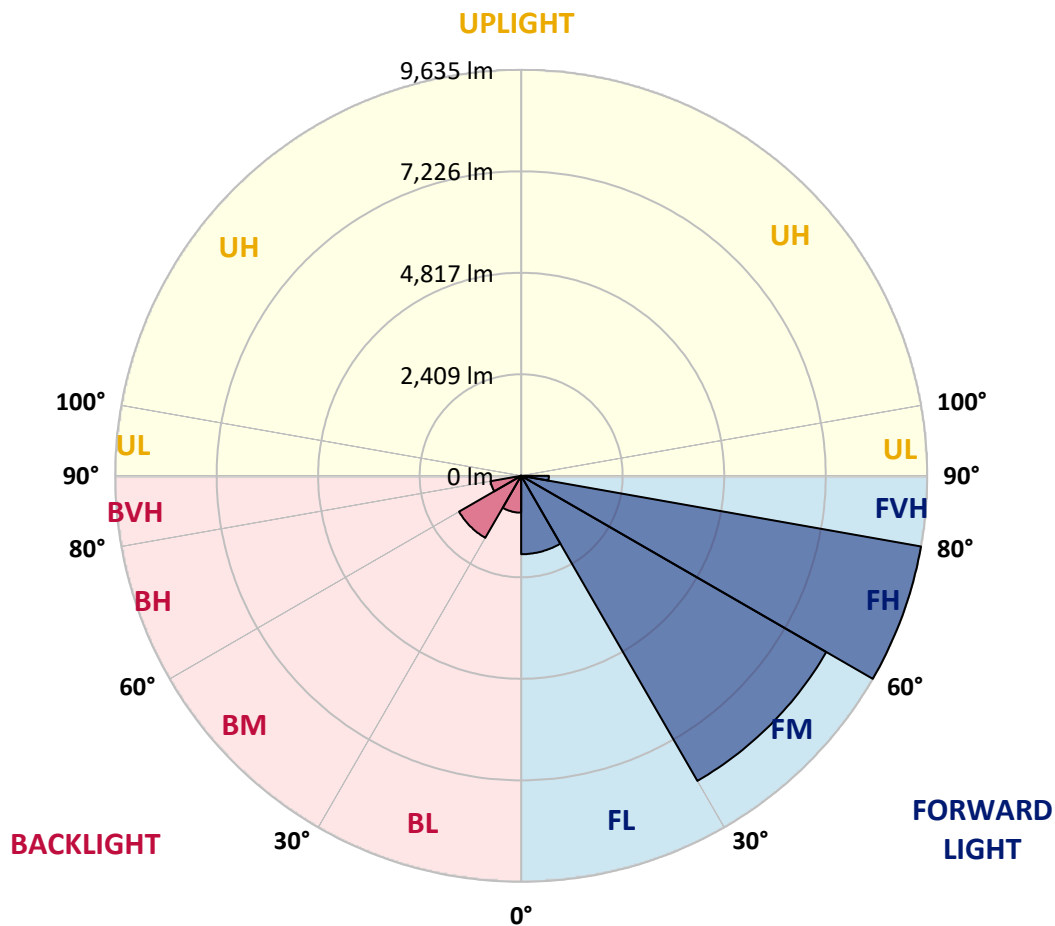
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1860.3	7.8			
FM	(30°-60°)	8359.5	35.0			
FH	(60°-80°)	9634.7	40.4			G4/12000
FVH	(80°-90°)	656.3	2.8			G4/750
BL	(0°-30°)	875.5	3.7	B2/1000		
BM	(30°-60°)	1700.9	7.1	B2/2500		
BH	(60°-80°)	737.5	3.1	B2/1000		G2/1000
BVH	(80°-90°)	26.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6
2.5°	3731.4	3667.4	3629.6	3535.9	3442.3	3366.7	3264.8	3197.4	3116.9	3039.7	2970.7
5°	4158.6	4055.1	3930.3	3759.4	3603.3	3443.9	3289.5	3136.6	2975.6	2827.7	2737.4
7.5°	4520.1	4370.6	4150.4	3923.7	3724.9	3532.6	3351.9	3149.8	2954.3	2722.6	2599.4
10°	4796.2	4605.6	4316.4	4019.0	3790.6	3596.7	3420.9	3250.0	3052.9	2773.5	2619.1
12.5°	4963.8	4760.0	4416.6	4068.3	3807.0	3590.1	3453.8	3378.2	3301.0	3023.3	2842.5
15°	5087.0	4866.8	4487.3	4102.8	3769.2	3503.1	3402.8	3478.4	3567.1	3389.7	3181.0
17.5°	5215.2	4983.5	4579.3	4117.6	3667.4	3333.8	3291.1	3486.6	3692.0	3683.8	3476.8
20°	5336.7	5106.7	4659.8	4107.7	3503.1	3128.4	3166.2	3416.0	3654.2	3754.4	3642.7
22.5°	5476.4	5233.2	4737.0	4069.9	3289.5	2936.2	3054.5	3304.2	3512.9	3631.2	3596.7
25°	5647.3	5392.6	4845.5	4014.1	3059.4	2776.8	2941.1	3174.4	3343.7	3425.8	3424.2
27.5°	5831.3	5583.2	4990.0	3984.5	2873.8	2663.4	2813.0	3020.0	3171.2	3228.7	3228.7
30°	6059.7	5805.0	5160.9	3951.6	2752.2	2597.7	2679.9	2840.9	2988.8	3046.3	3046.3
32.5°	6309.4	6051.5	5325.2	3872.8	2678.2	2548.4	2550.1	2651.9	2786.7	2855.7	2865.5
35°	6621.6	6347.2	5501.0	3700.2	2619.1	2490.9	2423.5	2472.8	2584.6	2666.7	2688.1
37.5°	7066.9	6735.0	5716.3	3453.8	2532.0	2402.2	2290.5	2302.0	2387.4	2477.8	2510.6
40°	7681.4	7255.9	5969.3	3197.4	2407.1	2277.3	2144.2	2139.3	2201.7	2290.5	2326.6
42.5°	8512.8	7944.3	6273.3	2952.6	2287.2	2126.2	1989.8	1981.6	2030.9	2108.1	2145.9
45°	9610.4	8825.0	6646.3	2742.3	2193.5	1978.3	1843.5	1840.3	1881.3	1948.7	1988.1
47.5°	11015.2	10049.1	7019.3	2599.4	2144.2	1861.6	1723.6	1730.2	1766.3	1827.1	1855.0
50°	12834.1	11644.5	7132.6	2527.1	2144.2	1799.2	1616.8	1649.7	1679.2	1725.2	1741.7
52.5°	15014.5	13175.9	6758.0	2461.3	2157.4	1807.4	1526.4	1597.1	1618.4	1657.9	1664.4
55°	17035.5	13926.8	5809.9	2371.0	2160.7	1858.3	1449.2	1554.4	1593.8	1608.6	1606.9
57.5°	18208.7	13668.8	4697.6	2218.2	2147.5	1892.8	1399.9	1501.8	1577.4	1587.2	1572.4
60°	17985.2	12763.5	3458.7	2101.5	2050.6	1879.7	1385.1	1421.3	1541.2	1556.0	1536.3
62.5°	16263.3	11245.3	2400.5	2011.1	1837.0	1822.2	1380.2	1294.8	1462.3	1498.5	1470.6
65°	13072.4	8852.9	1695.7	1731.8	1610.2	1697.3	1353.9	1163.3	1367.0	1416.3	1373.6
67.5°	9483.9	5990.7	1224.1	1403.2	1459.1	1495.2	1294.8	1068.0	1258.6	1324.3	1268.5
70°	6086.0	3235.2	859.3	926.7	1229.0	1270.1	1192.9	982.6	1148.5	1224.1	1163.3
72.5°	4326.2	1910.9	617.8	649.0	987.5	1058.1	1049.9	887.3	1020.4	1112.4	1040.1
75°	2985.5	1053.2	417.3	463.3	716.4	859.3	810.0	762.4	864.3	957.9	887.3
77.5°	1871.5	471.6	249.7	322.0	469.9	675.3	555.4	589.9	673.7	760.7	686.8
80°	1041.7	182.4	139.7	213.6	256.3	491.3	307.3	379.6	496.2	558.6	499.5
82.5°	226.7	23.0	62.4	92.0	100.2	285.9	162.7	220.2	312.2	307.3	266.2
85°	0.0	0.0	11.5	13.1	6.6	123.2	59.2	72.3	101.9	95.3	72.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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°	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6
2.5°	2957.6	2877.0	2817.9	2788.3	2763.7	2786.7	2799.8	2799.8	2855.7	2888.5	2901.7
5°	2679.9	2535.3	2425.2	2351.3	2306.9	2321.7	2338.1	2356.2	2426.8	2474.5	2505.7
7.5°	2487.6	2265.8	2098.2	1994.7	1940.5	1948.7	1960.2	1975.0	2044.0	2091.6	2132.7
10°	2451.5	2132.7	1896.1	1759.7	1694.0	1682.5	1675.9	1671.0	1712.1	1748.2	1781.1
12.5°	2599.4	2139.3	1809.0	1643.1	1562.6	1528.1	1488.6	1457.4	1464.0	1487.0	1528.1
15°	2863.9	2223.1	1781.1	1582.3	1482.1	1424.6	1378.5	1340.8	1332.5	1340.8	1347.3
17.5°	3166.2	2336.5	1777.8	1529.7	1404.8	1345.7	1307.9	1273.4	1261.9	1263.5	1271.7
20°	3366.7	2426.8	1768.0	1470.6	1330.9	1278.3	1245.5	1211.0	1199.5	1202.7	1204.4
22.5°	3386.4	2474.5	1753.2	1404.8	1257.0	1212.6	1179.7	1148.5	1146.9	1146.9	1156.7
25°	3279.6	2474.5	1722.0	1345.7	1186.3	1146.9	1117.3	1079.5	1086.1	1089.4	1102.5
27.5°	3113.6	2415.3	1662.8	1298.0	1125.5	1084.4	1054.9	1020.4	1028.6	1033.5	1048.3
30°	2949.3	2339.8	1592.1	1243.8	1068.0	1020.4	999.0	969.4	972.7	979.3	995.7
32.5°	2796.5	2259.2	1508.4	1199.5	1010.5	962.8	946.4	913.6	918.5	925.1	943.1
35°	2645.4	2170.5	1409.8	1146.9	957.9	910.3	897.1	859.3	862.6	872.5	892.2
37.5°	2482.7	2076.9	1329.3	1094.3	907.0	857.7	844.5	805.1	808.4	819.9	842.9
40°	2311.8	1984.8	1250.4	1038.4	852.8	803.5	792.0	749.2	752.5	765.7	790.3
42.5°	2139.3	1884.6	1189.6	966.1	796.9	744.3	732.8	693.4	698.3	713.1	737.7
45°	1979.9	1764.7	1150.2	885.6	744.3	685.2	673.7	637.5	647.4	663.8	688.5
47.5°	1843.5	1641.4	1133.7	818.3	688.5	624.4	614.5	584.9	601.4	619.4	639.2
50°	1726.9	1523.1	1112.4	749.2	635.9	571.8	561.9	542.2	563.6	581.7	599.7
52.5°	1643.1	1388.4	1066.4	686.8	589.9	527.4	524.1	514.3	534.0	550.4	566.9
55°	1570.8	1248.7	992.4	632.6	548.8	489.6	492.9	488.0	504.4	517.6	532.4
57.5°	1505.1	1127.2	898.8	589.9	504.4	456.8	466.6	460.1	468.3	476.5	494.6
60°	1426.2	1003.9	787.0	542.2	451.8	423.9	435.4	417.3	415.7	419.0	423.9
62.5°	1309.5	838.0	670.4	483.1	405.8	387.8	392.7	358.2	331.9	331.9	336.8
65°	1146.9	673.7	561.9	417.3	353.3	338.5	335.2	285.9	249.7	246.5	261.3
67.5°	957.9	553.7	466.6	351.6	294.1	284.3	287.5	251.4	215.2	212.0	228.4
70°	780.5	458.4	376.3	281.0	226.7	236.6	251.4	215.2	180.7	175.8	190.6
72.5°	634.2	364.8	294.1	215.2	167.6	195.5	213.6	175.8	142.9	139.7	152.8
75°	489.6	267.8	210.3	146.2	121.6	151.2	167.6	128.2	101.9	96.9	108.4
77.5°	327.0	166.0	118.3	92.0	72.3	103.5	111.7	67.4	59.2	57.5	65.7
80°	198.8	77.2	50.9	44.4	24.6	37.8	44.4	27.9	31.2	32.9	39.4
82.5°	100.2	21.4	8.2	1.6	0.0	0.0	13.1	6.6	13.1	16.4	24.6
85°	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	8.2	14.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
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°	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6
2.5°	2993.7	3062.7	3128.4	3233.6	3342.0	3448.8	3557.3	3662.4	3700.2	3728.2	3790.6
5°	2648.7	2778.5	2929.6	3138.3	3361.8	3591.8	3825.1	4038.7	4135.6	4201.4	4349.2
7.5°	2292.1	2461.3	2678.2	2992.1	3342.0	3708.4	4074.9	4411.7	4567.8	4694.3	4919.4
10°	1938.8	2122.9	2397.3	2755.5	3228.7	3754.4	4260.5	4723.9	4926.0	5085.3	5391.0
12.5°	1628.3	1800.8	2088.4	2484.3	3051.2	3718.3	4367.3	4924.3	5162.6	5341.7	5676.9
15°	1409.8	1531.4	1786.0	2213.2	2840.9	3601.6	4373.9	5019.6	5280.9	5468.2	5759.0
17.5°	1288.2	1329.3	1495.2	1937.2	2607.6	3448.8	4313.1	5052.5	5331.8	5506.0	5708.1
20°	1222.5	1229.0	1275.0	1579.0	2308.5	3305.9	4255.6	5085.3	5379.5	5525.7	5586.5
22.5°	1169.9	1169.9	1181.4	1291.5	1922.4	3135.0	4237.5	5142.9	5445.2	5535.6	5410.7
25°	1122.2	1122.2	1125.5	1155.1	1523.1	2873.8	4226.0	5231.6	5535.6	5560.2	5216.8
27.5°	1072.9	1074.6	1074.6	1091.0	1227.4	2518.8	4176.7	5346.6	5644.0	5593.1	5031.1
30°	1023.6	1026.9	1026.9	1038.4	1086.1	2103.1	4079.8	5484.6	5785.3	5635.8	4847.1
32.5°	974.3	977.6	977.6	987.5	1022.0	1679.2	3958.2	5611.1	5928.2	5653.9	4676.2
35°	923.4	928.3	925.1	938.2	974.3	1335.8	3803.7	5737.7	6082.7	5711.4	4592.4
37.5°	872.5	875.8	874.1	887.3	928.3	1153.4	3624.6	5833.0	6293.0	5839.5	4692.7
40°	821.5	819.9	819.9	834.7	879.1	1100.9	3399.5	5984.1	6595.3	6064.6	5129.7
42.5°	769.0	769.0	765.7	782.1	836.3	1061.4	3184.3	6255.2	7035.7	6422.8	5905.2
45°	721.3	719.7	713.1	727.9	795.3	992.4	3108.7	6761.3	7686.4	7002.8	6843.4
47.5°	675.3	673.7	657.2	670.4	746.0	930.0	3391.3	7589.4	8588.4	7855.6	7722.5
50°	634.2	635.9	604.7	616.2	696.7	882.3	4004.2	8664.0	9786.2	9004.1	8555.5
52.5°	596.4	596.4	555.4	561.9	635.9	839.6	4587.5	9828.9	11366.9	10606.1	9526.6
55°	558.6	555.4	509.4	512.6	575.1	778.8	4674.6	10965.9	13522.6	13016.5	10854.2
57.5°	515.9	509.4	466.6	466.6	519.2	734.5	4051.8	11840.1	16197.5	16559.0	12768.4
60°	463.3	458.4	430.5	422.3	474.9	773.9	2859.0	11941.9	17922.8	21269.7	16434.1
62.5°	396.0	402.6	387.8	376.3	432.1	803.5	1694.0	11122.0	17505.4	22768.2	20824.5
65°	312.2	338.5	335.2	327.0	474.9	677.0	1000.6	9548.0	16225.5	21558.9	19929.0
67.5°	266.2	284.3	279.3	279.3	497.9	514.3	629.3	7459.6	14464.1	20124.5	17801.2
70°	226.7	244.8	226.7	226.7	376.3	312.2	435.4	5208.6	12563.0	18537.3	16404.6
72.5°	187.3	205.4	185.7	172.5	300.7	233.3	318.8	3255.0	10758.9	16884.3	15448.3
75°	142.9	164.3	149.5	133.1	198.8	174.2	241.5	1891.2	8913.7	14446.0	14086.2
77.5°	90.4	118.3	111.7	93.7	146.2	126.5	174.2	1125.5	6878.0	11288.0	12116.1
80°	55.9	60.8	62.4	59.2	83.8	85.4	118.3	640.8	4707.4	7867.1	9465.8
82.5°	36.1	36.1	27.9	31.2	41.1	49.3	67.4	241.5	2767.0	4789.6	6588.8
85°	26.3	23.0	14.8	14.8	19.7	24.6	26.3	73.9	1122.2	1891.2	2576.4
87.5°	13.1	11.5	4.9	6.6	9.9	8.2	6.6	3.3	282.6	604.7	423.9
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6	3302.6
2.5°	3823.5	3874.4	3877.7	3877.7	3833.3	3831.7	3741.3	3731.4
5°	4502.1	4534.9	4543.1	4526.7	4438.0	4372.2	4196.4	4158.6
7.5°	5123.1	5188.9	5188.9	5149.4	5004.8	4870.1	4615.4	4520.1
10°	5619.3	5694.9	5678.5	5598.0	5415.6	5229.9	4921.0	4796.2
12.5°	5860.9	5938.1	5895.4	5803.4	5625.9	5430.4	5105.1	4963.8
15°	5856.0	5834.6	5790.2	5778.7	5693.3	5545.4	5241.4	5087.0
17.5°	5647.3	5466.5	5432.0	5547.1	5655.5	5619.3	5359.7	5215.2
20°	5317.0	5001.5	4970.3	5190.5	5499.4	5657.1	5469.8	5336.7
22.5°	4968.7	4628.6	4556.3	4799.5	5264.4	5668.6	5609.5	5476.4
25°	4638.4	4296.7	4224.4	4451.1	5003.2	5648.9	5760.7	5647.3
27.5°	4362.4	4032.1	3964.8	4191.5	4751.8	5593.1	5911.8	5831.3
30°	4148.8	3843.2	3793.9	4012.4	4534.9	5524.1	6104.1	6059.7
32.5°	4023.9	3800.5	3818.5	3997.6	4418.3	5448.5	6288.1	6309.4
35°	4147.1	4157.0	4314.7	4388.7	4526.7	5437.0	6537.8	6621.6
37.5°	4760.0	5101.8	5428.8	5368.0	5057.4	5570.1	6910.8	7066.9
40°	5803.4	6505.0	7035.7	6804.0	6021.9	5977.5	7448.1	7681.4
42.5°	7078.4	8268.0	9142.1	8521.0	7265.7	6690.6	8215.4	8512.8
45°	8424.1	10441.8	11818.7	10527.2	8591.7	7689.6	9377.1	9610.4
47.5°	9842.1	13083.9	14865.0	12752.0	9820.7	8826.7	10961.0	11015.2
50°	11393.1	15980.6	17970.4	14975.1	11007.0	10129.6	12896.6	12834.1
52.5°	12870.3	18959.6	21010.1	17208.0	12048.7	11746.4	15142.7	15014.5
55°	14280.0	21936.8	24067.9	19353.9	13031.3	13882.4	17811.0	17035.5
57.5°	15914.9	24613.4	27219.3	21509.6	14404.9	16655.9	20794.9	18208.7
60°	18331.9	27654.8	30783.2	24463.9	17017.4	19570.8	21864.5	17985.2
62.5°	21417.6	30451.3	33374.3	27359.0	19641.4	20119.6	20288.8	16263.3
65°	22017.3	31159.5	33520.6	28132.9	19303.0	17066.7	16563.9	13072.4
67.5°	20426.8	29879.5	31476.6	26691.9	17074.9	13189.0	12429.9	9483.9
70°	18642.4	27439.5	27914.4	24242.1	15017.8	9700.8	8394.5	6086.0
72.5°	16813.7	24184.6	23202.0	21052.8	13198.9	7063.6	6054.8	4326.2
75°	14641.5	19904.3	18276.0	17492.3	10928.2	5543.8	4380.5	2985.5
77.5°	11725.1	14010.6	13575.2	13558.7	8212.1	4050.2	2923.0	1871.5
80°	8271.3	9092.8	8871.0	10211.8	5509.3	2937.8	1759.7	1041.7
82.5°	4004.2	5027.8	5160.9	6081.1	2679.9	1728.5	405.8	226.7
85°	1567.5	2425.2	2045.6	2308.5	752.5	481.4	9.9	0.0
87.5°	175.8	281.0	258.0	203.7	92.0	19.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)