

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: P956622

Luminaire Tested: **GALN-SB9B-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956622
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-SB9B-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA 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: 32336 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 329.5
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

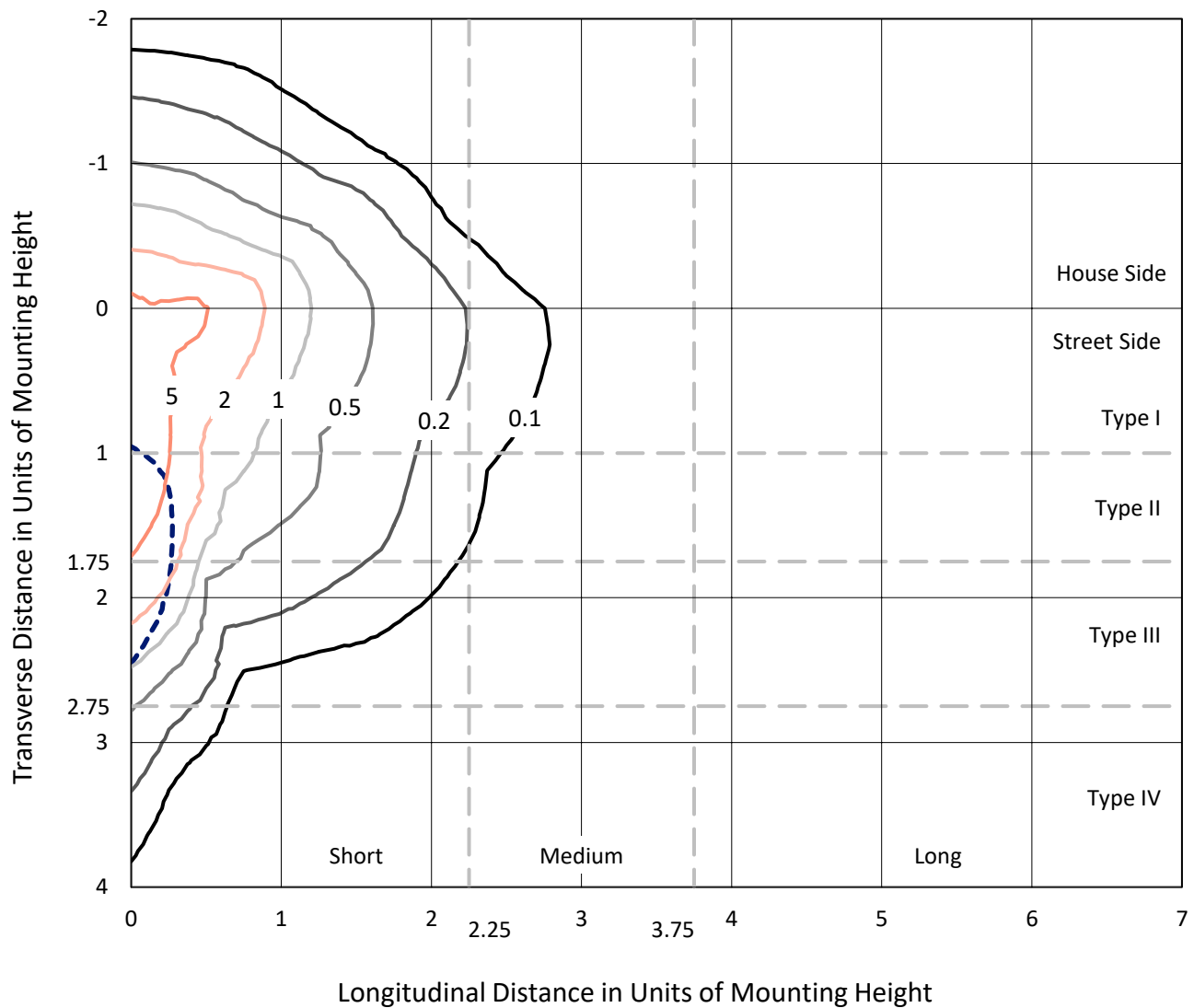


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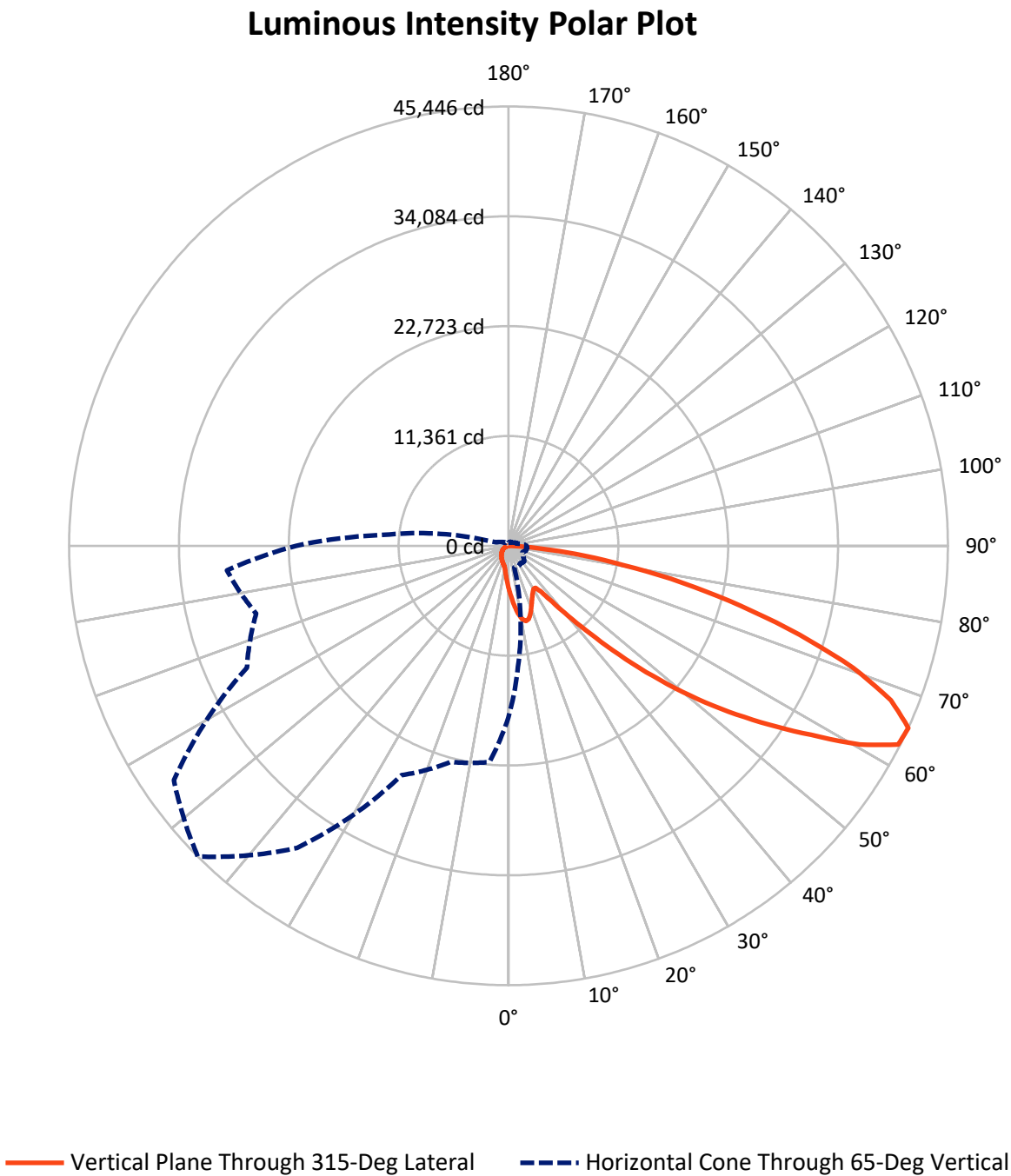
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
Type IV - Short - N/A

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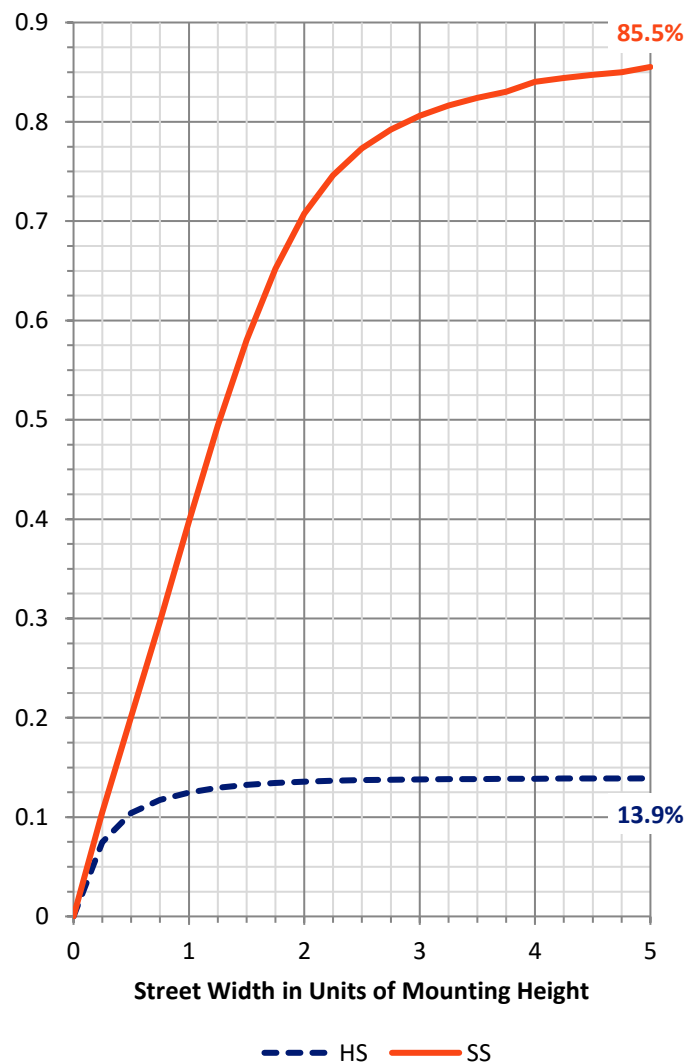
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4528.4	0.0	4528.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	27807.6	0.0	27807.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	32336.0	0.0	32336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.8	1.4
10°-20°	1321.5	4.1
20°-30°	1946.8	6.0
30°-40°	2501.1	7.7
40°-50°	4045.0	12.5
50°-60°	7093.3	21.9
60°-70°	8875.7	27.4
70°-80°	5186.5	16.0
80°-90°	925.4	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°	32336.0	100.0
0°-180°	32336.0	100.0

Coefficient of Utilization



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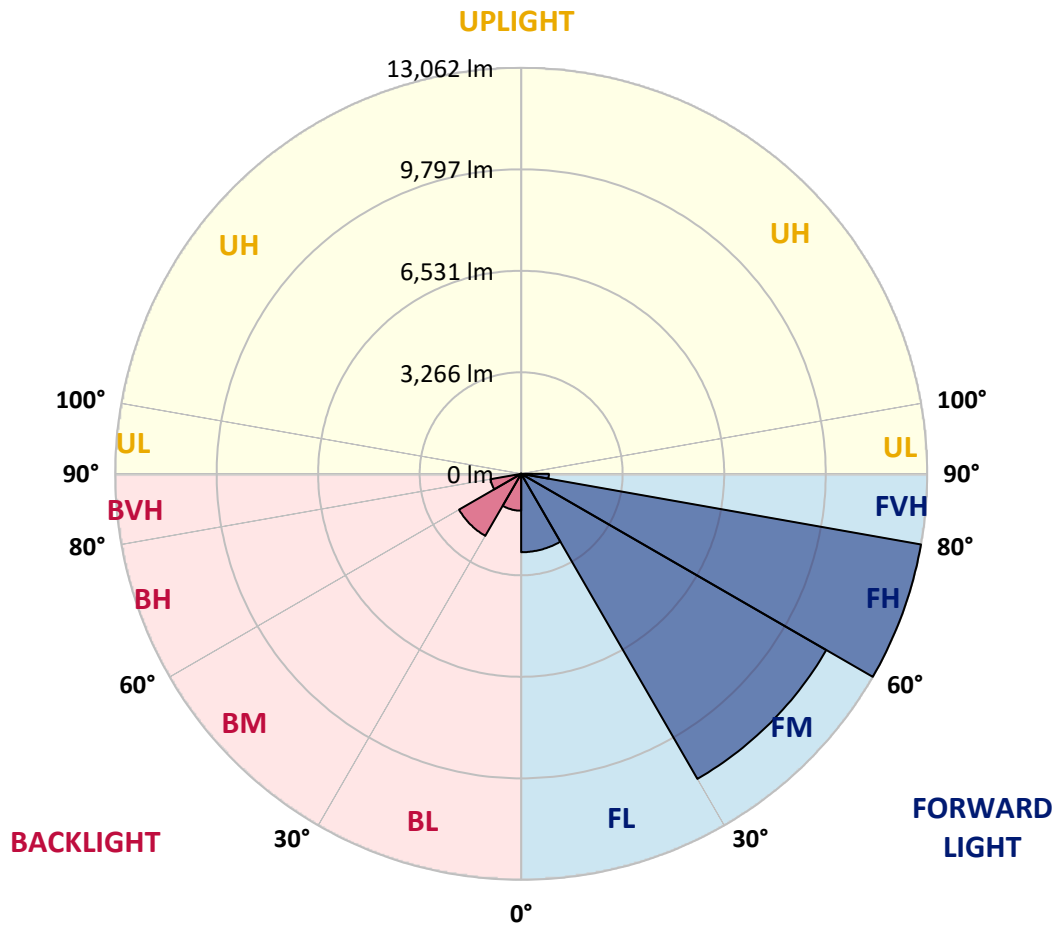
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2522.1	7.8			
FM	(30°-60°)	11333.4	35.0			
FH	(60°-80°)	13062.3	40.4			G5
FVH	(80°-90°)	889.8	2.8			G5
BL	(0°-30°)	1187.0	3.7	B3/2500		
BM	(30°-60°)	2306.0	7.1	B2/2500		
BH	(60°-80°)	999.9	3.1	B2/1000		G2/1000
BVH	(80°-90°)	35.5	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5
2.5°	5058.9	4972.0	4920.8	4793.8	4666.8	4564.4	4426.3	4334.9	4225.8	4121.1	4027.5
5°	5638.1	5497.7	5328.4	5096.8	4885.2	4669.1	4459.7	4252.5	4034.2	3833.7	3711.2
7.5°	6128.2	5925.4	5626.9	5319.5	5050.0	4789.4	4544.3	4270.3	4005.2	3691.2	3524.1
10°	6502.4	6244.0	5851.9	5448.7	5139.1	4876.2	4637.9	4406.2	4138.9	3760.2	3550.8
12.5°	6729.6	6453.4	5987.8	5515.6	5161.4	4867.3	4682.4	4580.0	4475.3	4098.8	3853.8
15°	6896.7	6598.2	6083.6	5562.3	5110.1	4749.3	4613.4	4715.9	4836.1	4595.6	4312.7
17.5°	7070.4	6756.3	6208.4	5582.4	4972.0	4519.8	4461.9	4727.0	5005.4	4994.3	4713.6
20°	7235.3	6923.4	6317.5	5569.0	4749.3	4241.4	4292.6	4631.2	4954.2	5090.1	4938.6
22.5°	7424.6	7094.9	6422.2	5517.8	4459.7	3980.7	4141.1	4479.7	4762.6	4923.0	4876.2
25°	7656.3	7311.0	6569.2	5442.1	4147.8	3764.7	3987.4	4303.7	4533.2	4644.6	4642.3
27.5°	7905.8	7569.4	6765.3	5402.0	3896.1	3611.0	3813.7	4094.4	4299.3	4377.3	4377.3
30°	8215.4	7870.2	6996.9	5357.4	3731.3	3521.9	3633.2	3851.5	4052.0	4130.0	4130.0
32.5°	8554.0	8204.3	7219.7	5250.5	3631.0	3455.0	3457.3	3595.4	3778.0	3871.6	3885.0
35°	8977.3	8605.3	7458.0	5016.6	3550.8	3377.1	3285.7	3352.6	3504.0	3615.4	3644.4
37.5°	9581.0	9131.0	7749.9	4682.4	3432.8	3256.8	3105.3	3120.9	3236.7	3359.2	3403.8
40°	10414.1	9837.1	8092.9	4334.9	3263.5	3087.5	2907.0	2900.4	2985.0	3105.3	3154.3
42.5°	11541.3	10770.5	8505.0	4003.0	3100.8	2882.5	2697.6	2686.5	2753.3	2858.0	2909.3
45°	13029.3	11964.5	9010.7	3717.9	2973.9	2682.0	2499.4	2494.9	2550.6	2641.9	2695.4
47.5°	14933.9	13624.1	9516.4	3524.1	2907.0	2523.9	2336.8	2345.7	2394.7	2477.1	2515.0
50°	17399.9	15787.1	9670.1	3426.1	2907.0	2439.2	2192.0	2236.5	2276.6	2339.0	2361.3
52.5°	20355.9	17863.2	9162.2	3337.0	2924.9	2450.4	2069.5	2165.2	2194.2	2247.7	2256.6
55°	23095.9	18881.2	7876.8	3214.4	2929.3	2519.4	1964.8	2107.3	2160.8	2180.8	2178.6
57.5°	24686.4	18531.5	6368.7	3007.3	2911.5	2566.2	1897.9	2036.0	2138.5	2151.9	2131.8
60°	24383.4	17304.1	4689.1	2849.1	2780.1	2548.4	1877.9	1926.9	2089.5	2109.5	2082.8
62.5°	22048.9	15245.8	3254.5	2726.6	2490.5	2470.4	1871.2	1755.4	1982.6	2031.6	1993.7
65°	17722.9	12002.4	2298.9	2347.9	2183.1	2301.1	1835.6	1577.1	1853.4	1920.2	1862.3
67.5°	12857.8	8121.9	1659.6	1902.4	1978.1	2027.1	1755.4	1447.9	1706.4	1795.5	1719.7
70°	8251.1	4386.2	1165.0	1256.4	1666.3	1721.9	1617.2	1332.1	1557.1	1659.6	1577.1
72.5°	5865.3	2590.7	837.6	879.9	1338.8	1434.6	1423.4	1202.9	1383.3	1508.1	1410.1
75°	4047.6	1427.9	565.8	628.2	971.2	1165.0	1098.2	1033.6	1171.7	1298.7	1202.9
77.5°	2537.3	639.3	338.6	436.6	637.1	915.5	752.9	799.7	913.3	1031.4	931.1
80°	1412.3	247.3	189.3	289.6	347.5	666.1	416.6	514.6	672.7	757.4	677.2
82.5°	307.4	31.2	84.6	124.7	135.9	387.6	220.5	298.5	423.2	416.6	360.9
85°	0.0	0.0	15.6	17.8	8.9	167.1	80.2	98.0	138.1	129.2	98.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	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°	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5
2.5°	4009.7	3900.5	3820.4	3780.3	3746.8	3778.0	3795.9	3795.9	3871.6	3916.1	3934.0
5°	3633.2	3437.2	3288.0	3187.7	3127.6	3147.6	3169.9	3194.4	3290.2	3354.8	3397.1
7.5°	3372.6	3071.9	2844.7	2704.3	2630.8	2641.9	2657.5	2677.6	2771.2	2835.8	2891.4
10°	3323.6	2891.4	2570.7	2385.8	2296.7	2281.1	2272.2	2265.5	2321.2	2370.2	2414.7
12.5°	3524.1	2900.4	2452.6	2227.6	2118.5	2071.7	2018.2	1975.9	1984.8	2016.0	2071.7
15°	3882.7	3014.0	2414.7	2145.2	2009.3	1931.3	1869.0	1817.7	1806.6	1817.7	1826.6
17.5°	4292.6	3167.7	2410.3	2073.9	1904.6	1824.4	1773.2	1726.4	1710.8	1713.0	1724.2
20°	4564.4	3290.2	2396.9	1993.7	1804.4	1733.1	1688.5	1641.8	1626.2	1630.6	1632.8
22.5°	4591.1	3354.8	2376.9	1904.6	1704.1	1644.0	1599.4	1557.1	1554.9	1554.9	1568.2
25°	4446.3	3354.8	2334.5	1824.4	1608.3	1554.9	1514.8	1463.5	1472.5	1476.9	1494.7
27.5°	4221.3	3274.6	2254.3	1759.8	1525.9	1470.2	1430.1	1383.3	1394.5	1401.2	1421.2
30°	3998.6	3172.1	2158.6	1686.3	1447.9	1383.3	1354.4	1314.3	1318.7	1327.7	1349.9
32.5°	3791.4	3063.0	2044.9	1626.2	1370.0	1305.4	1283.1	1238.6	1245.2	1254.1	1278.6
35°	3586.5	2942.7	1911.3	1554.9	1298.7	1234.1	1216.3	1165.0	1169.5	1182.9	1209.6
37.5°	3365.9	2815.7	1802.1	1483.6	1229.6	1162.8	1145.0	1091.5	1096.0	1111.6	1142.8
40°	3134.3	2691.0	1695.2	1407.9	1156.1	1089.3	1073.7	1015.8	1020.2	1038.1	1071.5
42.5°	2900.4	2555.1	1612.8	1309.8	1080.4	1009.1	993.5	940.1	946.7	966.8	1000.2
45°	2684.3	2392.5	1559.3	1200.7	1009.1	928.9	913.3	864.3	877.7	900.0	933.4
47.5°	2499.4	2225.4	1537.1	1109.4	933.4	846.5	833.1	793.0	815.3	839.8	866.5
50°	2341.2	2065.0	1508.1	1015.8	862.1	775.2	761.8	735.1	764.1	788.6	813.1
52.5°	2227.6	1882.3	1445.7	931.1	799.7	715.1	710.6	697.2	724.0	746.3	768.5
55°	2129.6	1693.0	1345.5	857.6	744.0	663.8	668.3	661.6	683.9	701.7	721.7
57.5°	2040.5	1528.1	1218.5	799.7	683.9	619.3	632.6	623.7	634.9	646.0	670.5
60°	1933.6	1361.1	1067.0	735.1	612.6	574.7	590.3	565.8	563.6	568.0	574.7
62.5°	1775.4	1136.1	908.9	654.9	550.2	525.7	532.4	485.6	450.0	450.0	456.7
65°	1554.9	913.3	761.8	565.8	478.9	458.9	454.4	387.6	338.6	334.1	354.2
67.5°	1298.7	750.7	632.6	476.7	398.7	385.4	389.8	340.8	291.8	287.4	309.6
70°	1058.1	621.5	510.1	380.9	307.4	320.8	340.8	291.8	245.0	238.4	258.4
72.5°	859.9	494.5	398.7	291.8	227.2	265.1	289.6	238.4	193.8	189.3	207.2
75°	663.8	363.1	285.1	198.3	164.8	204.9	227.2	173.8	138.1	131.4	147.0
77.5°	443.3	225.0	160.4	124.7	98.0	140.3	151.5	91.3	80.2	78.0	89.1
80°	269.5	104.7	69.1	60.1	33.4	51.2	60.1	37.9	42.3	44.6	53.5
82.5°	135.9	29.0	11.1	2.2	0.0	0.0	17.8	8.9	17.8	22.3	33.4
85°	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	11.1	20.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5
2.5°	4058.7	4152.3	4241.4	4383.9	4531.0	4675.8	4822.8	4965.3	5016.6	5054.5	5139.1
5°	3590.9	3766.9	3971.8	4254.7	4557.7	4869.6	5185.9	5475.5	5606.9	5696.0	5896.5
7.5°	3107.5	3337.0	3631.0	4056.5	4531.0	5027.7	5524.5	5981.1	6192.8	6364.3	6669.5
10°	2628.6	2878.1	3250.1	3735.7	4377.3	5090.1	5776.2	6404.4	6678.4	6894.5	7308.8
12.5°	2207.6	2441.5	2831.3	3368.2	4136.7	5041.1	5921.0	6676.2	6999.2	7242.0	7696.4
15°	1911.3	2076.1	2421.4	3000.6	3851.5	4882.9	5929.9	6805.4	7159.5	7413.5	7807.8
17.5°	1746.4	1802.1	2027.1	2626.4	3535.2	4675.8	5847.5	6849.9	7228.6	7464.7	7738.7
20°	1657.3	1666.3	1728.6	2140.7	3129.8	4482.0	5769.5	6894.5	7293.2	7491.5	7573.9
22.5°	1586.1	1586.1	1601.7	1750.9	2606.3	4250.3	5745.0	6972.4	7382.3	7504.8	7335.5
25°	1521.5	1521.5	1525.9	1566.0	2065.0	3896.1	5729.4	7092.7	7504.8	7538.2	7072.7
27.5°	1454.6	1456.9	1456.9	1479.1	1664.0	3414.9	5662.6	7248.7	7651.8	7582.8	6820.9
30°	1387.8	1392.3	1392.3	1407.9	1472.5	2851.3	5531.2	7435.8	7843.4	7640.7	6571.5
32.5°	1321.0	1325.4	1325.4	1338.8	1385.6	2276.6	5366.3	7607.3	8037.2	7665.2	6339.8
35°	1251.9	1258.6	1254.1	1272.0	1321.0	1811.0	5156.9	7778.8	8246.6	7743.2	6226.2
37.5°	1182.9	1187.3	1185.1	1202.9	1258.6	1563.8	4914.1	7908.0	8531.8	7916.9	6362.1
40°	1113.8	1111.6	1111.6	1131.6	1191.8	1492.5	4608.9	8113.0	8941.6	8222.1	6954.6
42.5°	1042.5	1042.5	1038.1	1060.3	1133.9	1439.0	4317.1	8480.5	9538.6	8707.7	8006.0
45°	977.9	975.7	966.8	986.8	1078.2	1345.5	4214.6	9166.6	10420.8	9494.1	9278.0
47.5°	915.5	913.3	891.0	908.9	1011.3	1260.8	4597.8	10289.3	11643.7	10650.2	10469.8
50°	859.9	862.1	819.8	835.4	944.5	1196.2	5428.7	11746.2	13267.7	12207.3	11599.2
52.5°	808.6	808.6	752.9	761.8	862.1	1138.3	6219.5	13325.6	15410.6	14379.2	12915.7
55°	757.4	752.9	690.6	695.0	779.7	1055.9	6337.6	14867.1	18333.3	17647.1	14715.6
57.5°	699.5	690.6	632.6	632.6	703.9	995.7	5493.3	16052.2	21959.8	22449.9	17310.8
60°	628.2	621.5	583.6	572.5	643.8	1049.2	3876.0	16190.3	24298.8	28836.4	22280.6
62.5°	536.9	545.8	525.7	510.1	585.9	1089.3	2296.7	15078.7	23733.0	30868.0	28232.8
65°	423.2	458.9	454.4	443.3	643.8	917.8	1356.6	12944.7	21997.7	29228.5	27018.7
67.5°	360.9	385.4	378.7	378.7	675.0	697.2	853.2	10113.4	19609.7	27283.8	24134.0
70°	307.4	331.9	307.4	307.4	510.1	423.2	590.3	7061.5	17032.3	25131.9	22240.5
72.5°	253.9	278.5	251.7	233.9	407.7	316.3	432.2	4412.9	14586.4	22890.9	20944.0
75°	193.8	222.8	202.7	180.4	269.5	236.1	327.5	2564.0	12084.8	19585.2	19097.3
77.5°	122.5	160.4	151.5	127.0	198.3	171.5	236.1	1525.9	9324.8	15303.7	16426.4
80°	75.7	82.4	84.6	80.2	113.6	115.8	160.4	868.8	6382.1	10665.8	12833.3
82.5°	49.0	49.0	37.9	42.3	55.7	66.8	91.3	327.5	3751.3	6493.5	8932.7
85°	35.6	31.2	20.0	20.0	26.7	33.4	35.6	100.2	1521.5	2564.0	3492.9
87.5°	17.8	15.6	6.7	8.9	13.4	11.1	8.9	4.5	383.1	819.8	574.7
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5	4477.5
2.5°	5183.7	5252.7	5257.2	5257.2	5197.0	5194.8	5072.3	5058.9
5°	6103.7	6148.2	6159.3	6137.1	6016.8	5927.7	5689.3	5638.1
7.5°	6945.7	7034.8	7034.8	6981.3	6785.3	6602.6	6257.4	6128.2
10°	7618.4	7720.9	7698.6	7589.5	7342.2	7090.5	6671.7	6502.4
12.5°	7945.9	8050.6	7992.7	7867.9	7627.3	7362.3	6921.2	6729.6
15°	7939.2	7910.3	7850.1	7834.5	7718.7	7518.2	7106.1	6896.7
17.5°	7656.3	7411.3	7364.5	7520.4	7667.4	7618.4	7266.5	7070.4
20°	7208.6	6780.9	6738.5	7037.0	7455.8	7669.7	7415.7	7235.3
22.5°	6736.3	6275.2	6177.2	6506.9	7137.3	7685.3	7605.1	7424.6
25°	6288.6	5825.2	5727.2	6034.6	6783.1	7658.5	7810.0	7656.3
27.5°	5914.3	5466.6	5375.2	5682.6	6442.3	7582.8	8015.0	7905.8
30°	5624.7	5210.4	5143.6	5439.8	6148.2	7489.2	8275.6	8215.4
32.5°	5455.4	5152.5	5177.0	5419.8	5990.1	7386.8	8525.1	8554.0
35°	5622.5	5635.9	5849.7	5950.0	6137.1	7371.2	8863.7	8977.3
37.5°	6453.4	6916.7	7360.0	7277.6	6856.6	7551.6	9369.3	9581.0
40°	7867.9	8819.1	9538.6	9224.5	8164.2	8104.1	10097.8	10414.1
42.5°	9596.6	11209.3	12394.4	11552.4	9850.5	9070.8	11138.1	11541.3
45°	11421.0	14156.5	16023.2	14272.3	11648.2	10425.2	12713.0	13029.3
47.5°	13343.4	17738.5	20153.2	17288.5	13314.4	11966.7	14860.4	14933.9
50°	15446.3	21665.8	24363.4	20302.5	14922.8	13733.2	17484.5	17399.9
52.5°	17448.9	25704.4	28484.5	23329.8	16335.1	15925.2	20529.7	20355.9
55°	19360.2	29740.9	32630.1	26239.0	17667.2	18821.1	24147.3	23095.9
57.5°	21576.7	33369.6	36902.6	29161.7	19529.5	22581.3	28192.7	24686.4
60°	24853.5	37492.9	41734.3	33166.9	23071.4	26533.1	29642.8	24383.4
62.5°	29036.9	41284.3	45247.3	37092.0	26628.9	27277.1	27506.6	22048.9
65°	29850.0	42244.4	45445.5	38141.2	26170.0	23138.2	22456.6	17722.9
67.5°	27693.7	40509.1	42674.4	36187.6	23149.4	17881.0	16851.9	12857.8
70°	25274.5	37201.1	37844.9	32866.2	20360.4	13151.8	11380.9	8251.1
72.5°	22795.2	32788.2	31456.1	28542.4	17894.4	9576.5	8208.8	5865.3
75°	19850.3	26985.3	24777.7	23715.2	14815.9	7516.0	5938.8	4047.6
77.5°	15896.2	18994.9	18404.5	18382.3	11133.6	5491.1	3962.9	2537.3
80°	11213.8	12327.6	12026.9	13844.6	7469.2	3983.0	2385.8	1412.3
82.5°	5428.7	6816.5	6996.9	8244.4	3633.2	2343.4	550.2	307.4
85°	2125.1	3288.0	2773.4	3129.8	1020.2	652.7	13.4	0.0
87.5°	238.4	380.9	349.7	276.2	124.7	26.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)