

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: P946992

Luminaire Tested: **GALN-SB2C-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12348 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 100.9
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

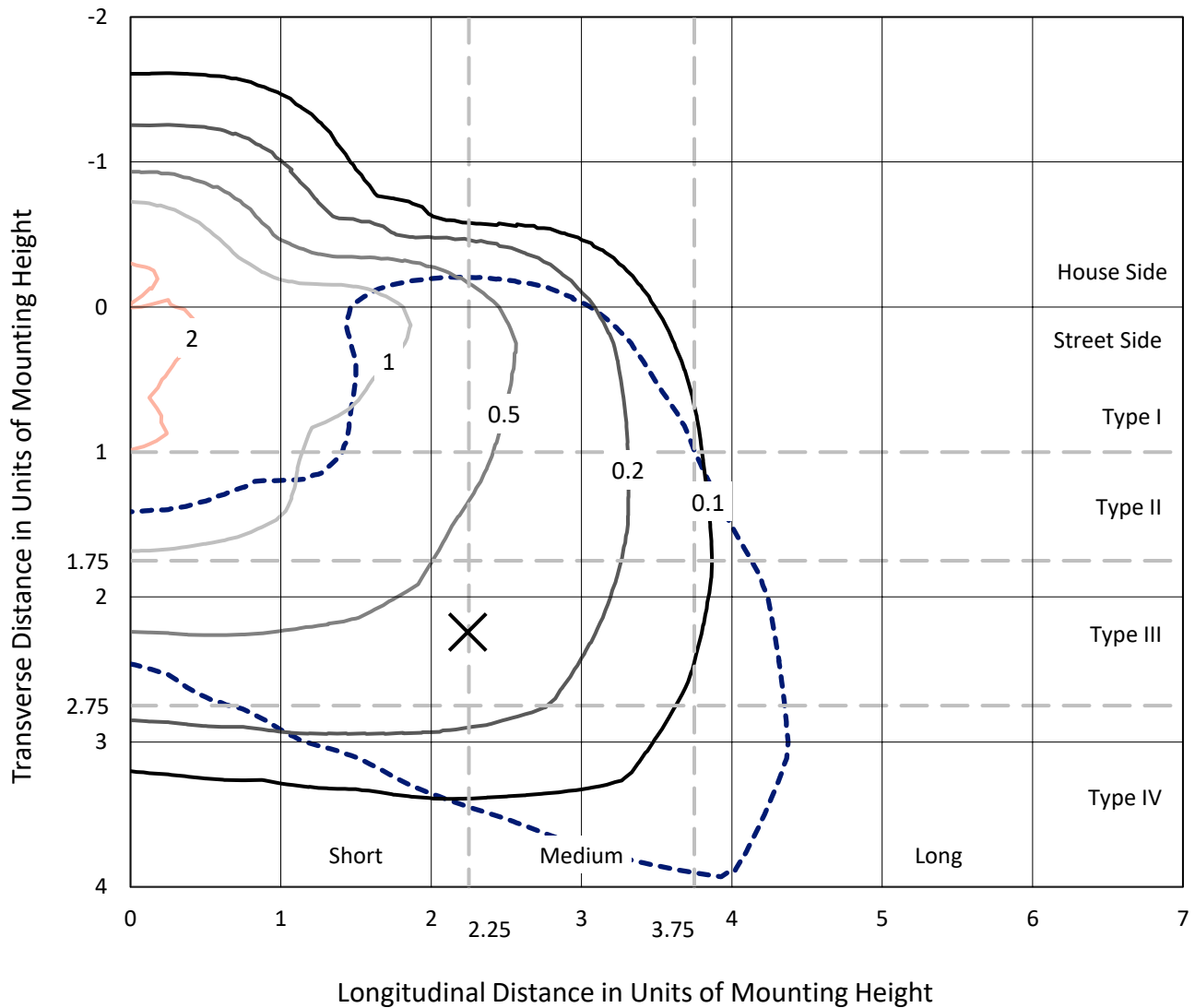


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

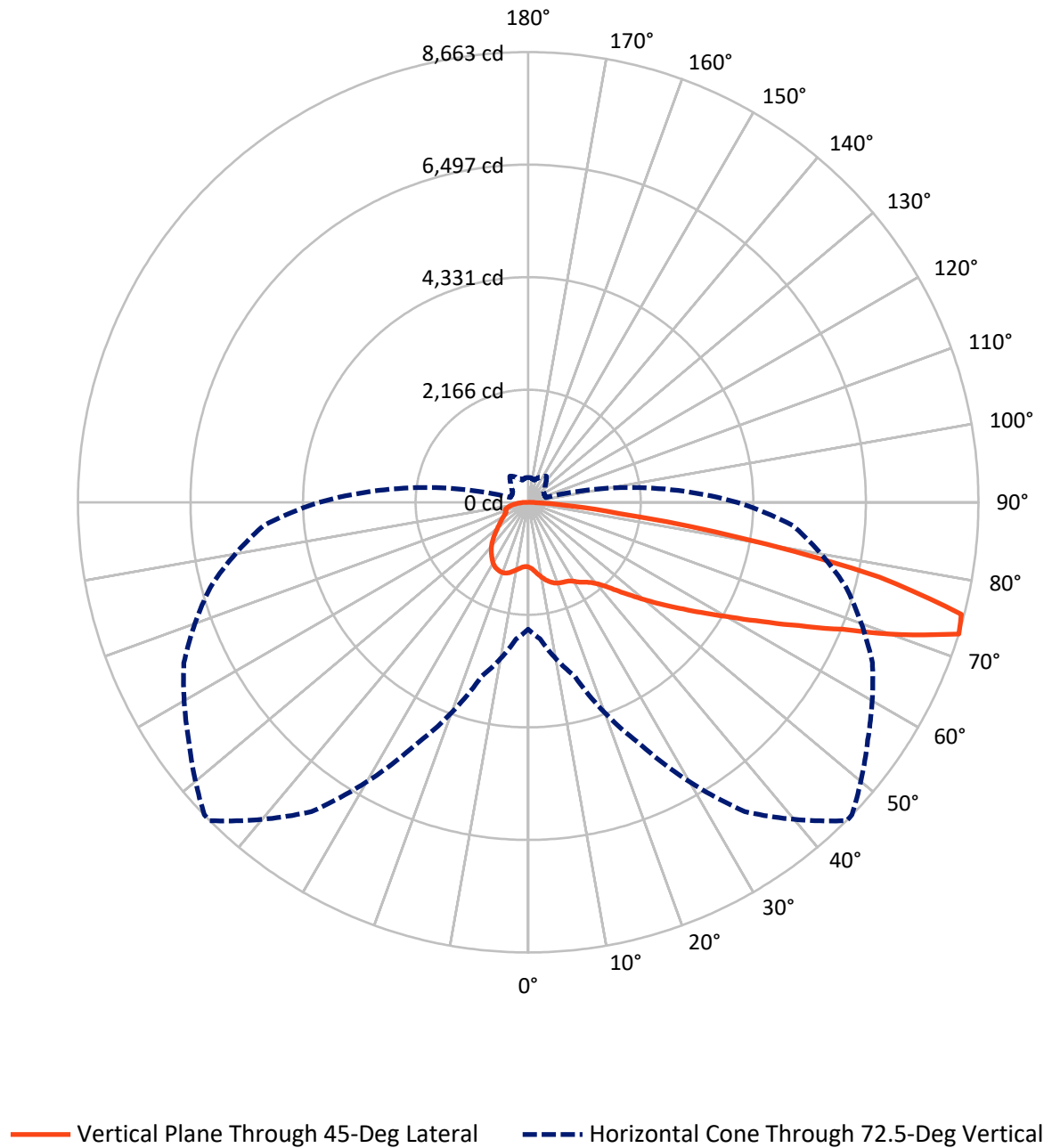


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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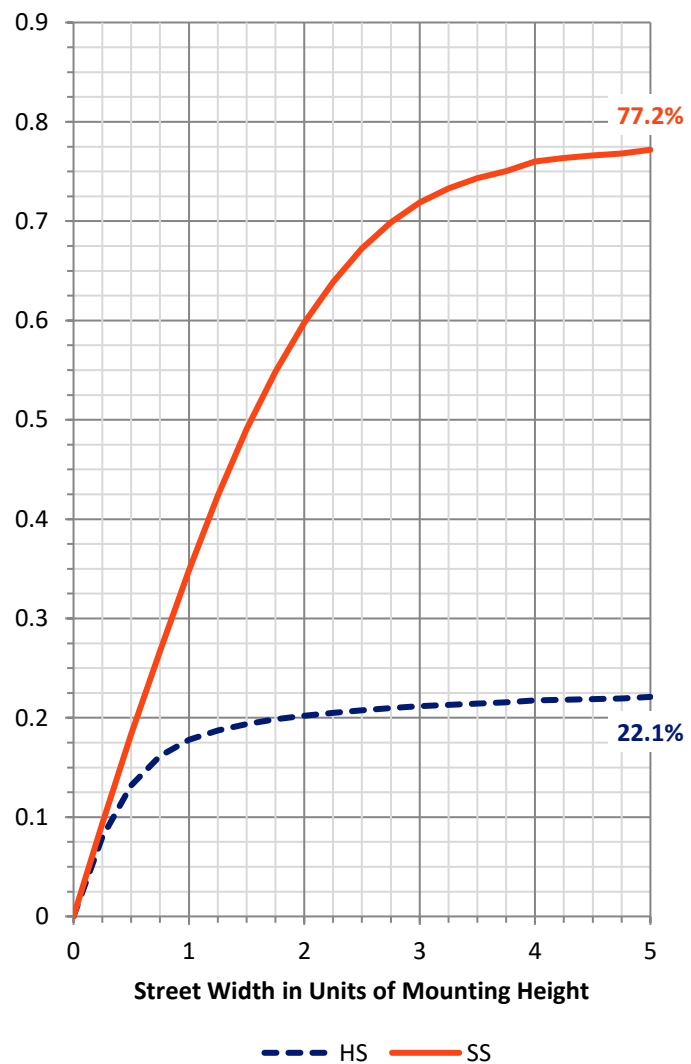
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2791.5	0.0	2791.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	9556.5	0.0	9556.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	12348.0	0.0	12348.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.8	1.0
10°-20°	422.7	3.4
20°-30°	735.3	6.0
30°-40°	1054.2	8.5
40°-50°	1484.3	12.0
50°-60°	2273.5	18.4
60°-70°	3293.5	26.7
70°-80°	2630.1	21.3
80°-90°	327.6	2.7
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°	12348.0	100.0
0°-180°	12348.0	100.0

Coefficient of Utilization



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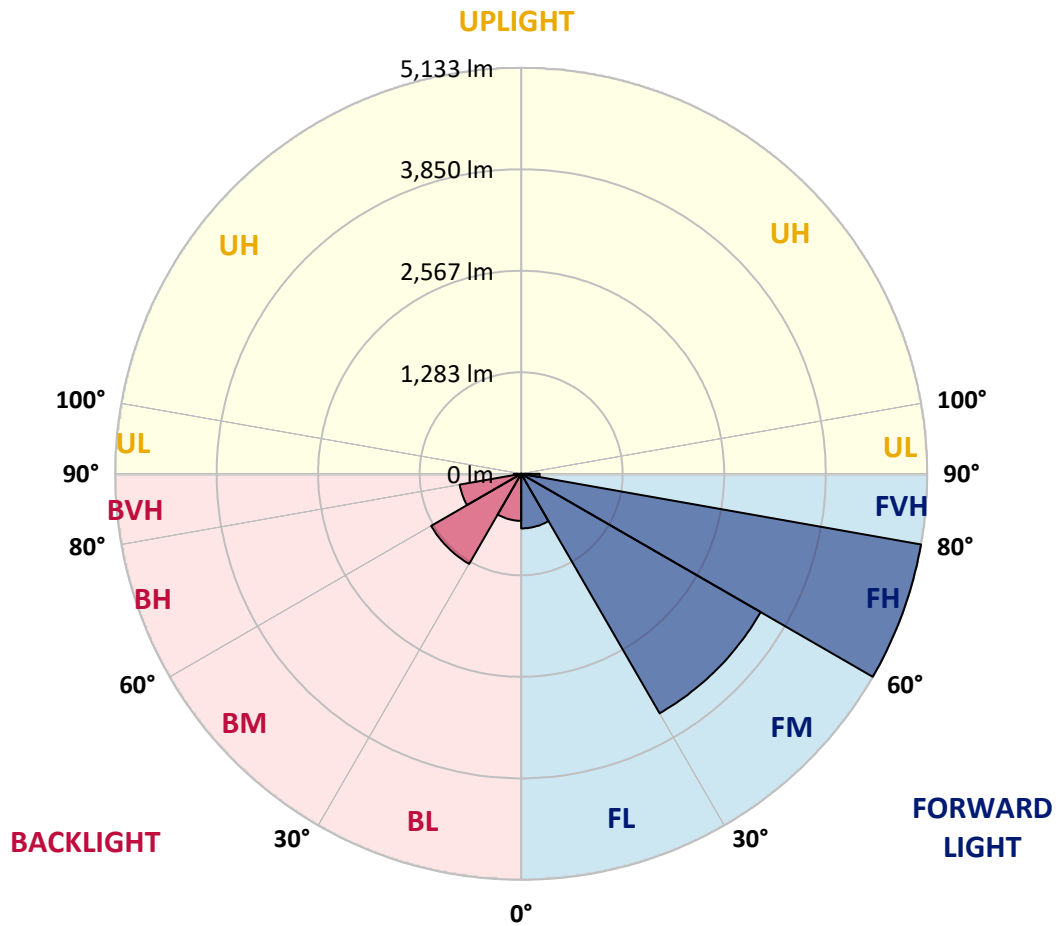
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	690.5	5.6			
FM	(30°-60°)	3497.6	28.3			
FH	(60°-80°)	5133.4	41.6			G3/7500
FVH	(80°-90°)	235.0	1.9			G3/500
BL	(0°-30°)	594.3	4.8	B2/1000		
BM	(30°-60°)	1314.4	10.6	B2/2500		
BH	(60°-80°)	790.2	6.4	B2/1000		G2/1000
BVH	(80°-90°)	92.6	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7
2.5°	1294.5	1302.9	1295.1	1288.0	1284.7	1276.2	1275.6	1270.4	1267.1	1258.0	1255.4
5°	1384.9	1395.9	1382.9	1368.6	1355.6	1334.8	1332.2	1317.2	1300.3	1280.8	1269.7
7.5°	1487.0	1496.8	1481.8	1460.3	1437.6	1403.1	1402.4	1375.1	1348.4	1315.3	1296.4
10°	1576.1	1589.1	1569.0	1539.7	1511.1	1472.0	1467.5	1436.3	1402.4	1359.5	1330.9
12.5°	1654.8	1663.9	1644.4	1608.6	1575.5	1536.4	1530.6	1496.1	1458.4	1409.6	1373.2
15°	1717.3	1729.0	1703.0	1664.6	1629.5	1591.1	1585.9	1554.7	1516.9	1465.5	1418.7
17.5°	1758.3	1768.0	1741.3	1698.4	1664.6	1632.7	1628.8	1602.8	1569.6	1517.6	1467.5
20°	1773.9	1784.3	1756.3	1712.7	1681.5	1656.8	1654.8	1636.0	1613.2	1565.7	1515.0
22.5°	1789.5	1799.2	1762.8	1717.3	1690.0	1674.3	1673.7	1661.3	1652.2	1613.2	1563.8
25°	1852.6	1855.2	1806.4	1740.7	1701.7	1688.0	1687.4	1686.7	1690.6	1660.0	1616.4
27.5°	1907.2	1906.6	1864.9	1803.1	1742.6	1714.0	1713.4	1719.9	1732.2	1706.9	1671.1
30°	1987.2	1980.1	1930.6	1866.2	1810.9	1766.7	1762.8	1757.0	1766.7	1746.5	1725.7
32.5°	2157.0	2134.2	2054.2	1939.7	1867.5	1833.7	1828.5	1792.1	1796.0	1783.6	1773.2
35°	2400.3	2370.4	2263.7	2078.9	1937.8	1889.6	1887.0	1840.9	1833.1	1822.0	1825.9
37.5°	2689.7	2652.7	2528.4	2280.6	2058.8	1954.7	1950.8	1909.2	1877.3	1865.6	1887.7
40°	2980.5	2933.7	2830.9	2526.5	2237.0	2063.3	2051.0	1987.9	1951.4	1931.9	1978.8
42.5°	3262.8	3223.8	3136.0	2802.3	2456.9	2222.0	2194.7	2086.7	2059.4	2041.2	2125.8
45°	3512.6	3477.5	3413.1	3096.9	2714.5	2438.0	2411.3	2235.1	2226.6	2226.6	2348.9
47.5°	3715.6	3707.7	3639.4	3397.5	3018.2	2683.9	2637.7	2441.3	2464.0	2499.2	2665.7
50°	3940.6	3919.2	3846.3	3693.4	3375.4	2965.5	2927.8	2694.3	2779.5	2875.8	3123.6
52.5°	4147.5	4159.2	4077.9	4001.8	3778.6	3279.7	3213.4	2992.9	3177.0	3336.3	3660.3
55°	4360.2	4360.8	4338.1	4327.7	4201.5	3627.1	3554.2	3351.9	3644.7	3842.4	4286.0
57.5°	4559.9	4561.2	4595.0	4686.7	4691.9	4027.8	3945.2	3793.0	4164.4	4366.0	4931.3
60°	4738.1	4747.2	4839.6	5054.2	5123.2	4487.0	4409.0	4314.0	4701.7	4904.6	5609.8
62.5°	4798.0	4831.1	5036.7	5341.8	5549.3	5050.3	4973.6	4917.0	5266.3	5454.9	6177.0
65°	4696.5	4772.6	5170.0	5579.2	5987.7	5719.7	5643.6	5581.8	5853.0	6030.6	6642.7
67.5°	4447.3	4545.6	5162.2	5828.3	6519.8	6525.0	6454.1	6309.0	6482.1	6550.4	6794.3
70°	3791.0	3938.0	4707.5	5921.3	7130.6	7626.2	7557.9	7184.6	7109.8	6779.3	6367.6
72.5°	2442.6	2640.3	3466.4	5155.7	7266.5	8662.5	8658.6	7974.9	7308.2	6334.4	5106.9
75°	891.2	1012.1	1610.6	3236.1	6099.6	8609.8	8635.1	7839.6	6671.3	4892.9	3181.5
77.5°	324.6	355.2	525.6	1243.7	3751.3	6908.1	6960.8	6267.4	4748.5	2455.6	1260.6
80°	170.4	187.3	269.3	482.7	1607.3	4102.6	4185.2	3724.7	2231.8	739.6	377.9
82.5°	94.3	102.1	150.9	262.1	724.0	1754.3	1803.8	1471.4	785.1	313.5	156.1
85°	50.7	54.0	70.9	143.1	353.9	608.2	621.9	439.7	312.9	184.1	75.5
87.5°	15.0	18.2	23.4	45.5	138.6	136.6	139.9	87.2	123.6	93.0	24.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.7
2.5°	1251.5	1249.6	1242.4	1239.2	1235.3	1234.6	1237.9	1238.5	1239.2	1239.8	1242.4
5°	1263.2	1256.7	1250.2	1246.3	1247.6	1248.3	1254.8	1259.3	1262.6	1265.2	1266.5
7.5°	1286.0	1280.8	1269.7	1269.1	1271.0	1276.9	1285.4	1295.8	1301.6	1306.2	1307.5
10°	1319.8	1310.1	1297.1	1299.0	1302.9	1311.4	1328.9	1337.4	1347.1	1355.6	1353.7
12.5°	1354.3	1345.8	1330.9	1332.2	1338.7	1353.7	1370.6	1381.0	1387.5	1394.0	1396.6
15°	1399.2	1384.2	1368.0	1368.0	1379.7	1395.9	1403.7	1412.2	1416.1	1423.3	1425.9
17.5°	1445.4	1425.9	1404.4	1403.1	1417.4	1425.2	1429.8	1431.1	1432.4	1440.2	1442.8
20°	1491.6	1470.1	1439.5	1436.9	1440.2	1438.9	1438.2	1436.9	1438.9	1448.6	1452.5
22.5°	1537.1	1512.4	1470.1	1458.4	1449.3	1436.9	1436.3	1435.6	1436.9	1446.7	1453.2
25°	1590.4	1560.5	1503.9	1468.8	1438.2	1421.3	1423.3	1423.9	1425.2	1433.0	1443.4
27.5°	1648.3	1615.1	1535.1	1465.5	1410.2	1398.5	1395.3	1397.2	1401.8	1414.1	1426.5
30°	1706.2	1667.2	1563.8	1452.5	1375.1	1358.9	1348.4	1353.0	1367.3	1379.7	1393.3
32.5°	1758.9	1719.9	1586.5	1423.9	1330.2	1304.9	1291.2	1297.1	1311.4	1315.9	1332.2
35°	1820.7	1776.5	1596.3	1378.4	1281.4	1242.4	1224.2	1215.8	1222.9	1218.4	1232.7
37.5°	1889.6	1843.5	1595.0	1318.5	1224.2	1179.3	1154.0	1122.1	1107.1	1091.5	1101.3
40°	1991.8	1925.4	1579.4	1246.3	1153.3	1112.3	1066.8	1012.8	979.0	948.4	950.4
42.5°	2131.0	2039.3	1550.7	1167.0	1073.3	1034.9	973.1	910.0	856.7	805.9	801.4
45°	2338.5	2188.2	1515.0	1082.4	986.8	949.1	882.1	811.2	750.7	685.6	677.8
47.5°	2637.7	2388.6	1481.1	986.1	895.7	861.2	800.7	735.0	663.5	600.4	593.2
50°	3048.8	2676.1	1449.9	892.5	805.9	779.9	731.8	664.8	592.6	541.9	538.6
52.5°	3571.8	3067.0	1436.9	802.0	722.0	712.3	673.9	611.5	543.2	500.2	497.0
55°	4172.2	3534.7	1436.9	715.5	648.5	651.8	625.1	567.2	508.0	469.6	465.7
57.5°	4784.9	4008.3	1410.9	635.5	586.1	599.7	582.8	532.1	478.8	439.1	432.6
60°	5349.6	4405.1	1305.5	562.7	530.8	552.3	541.2	497.6	432.6	399.4	394.2
62.5°	5783.4	4628.8	1102.6	504.8	485.3	510.0	504.1	452.1	424.1	410.5	405.9
65°	6000.7	4592.4	843.0	453.4	446.9	485.3	472.9	470.9	448.8	433.2	428.0
67.5°	5867.3	4278.9	611.5	415.7	424.8	462.5	510.0	517.8	476.8	446.2	441.0
70°	5282.6	3711.6	455.3	379.9	396.8	463.1	581.5	541.9	467.7	431.9	426.1
72.5°	4018.7	2767.8	353.2	342.2	360.4	466.4	613.4	530.8	441.7	477.5	473.6
75°	2298.2	1519.5	283.6	296.0	314.8	435.8	597.1	502.2	421.5	438.4	438.4
77.5°	876.2	584.1	234.2	250.4	253.0	380.5	571.1	500.2	401.3	391.6	357.1
80°	303.8	228.3	193.8	199.0	195.8	338.3	547.7	435.2	328.5	294.0	284.3
82.5°	124.2	113.8	153.5	147.0	139.2	262.8	442.3	355.8	268.6	237.4	234.8
85°	54.0	72.2	101.5	89.1	80.7	182.1	354.5	301.2	227.0	195.8	195.1
87.5°	11.1	27.3	42.9	40.3	41.6	121.6	251.7	214.0	160.7	120.3	94.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)