

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: P939732

Luminaire Tested: **GALN-SB2C-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
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-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12264 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
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

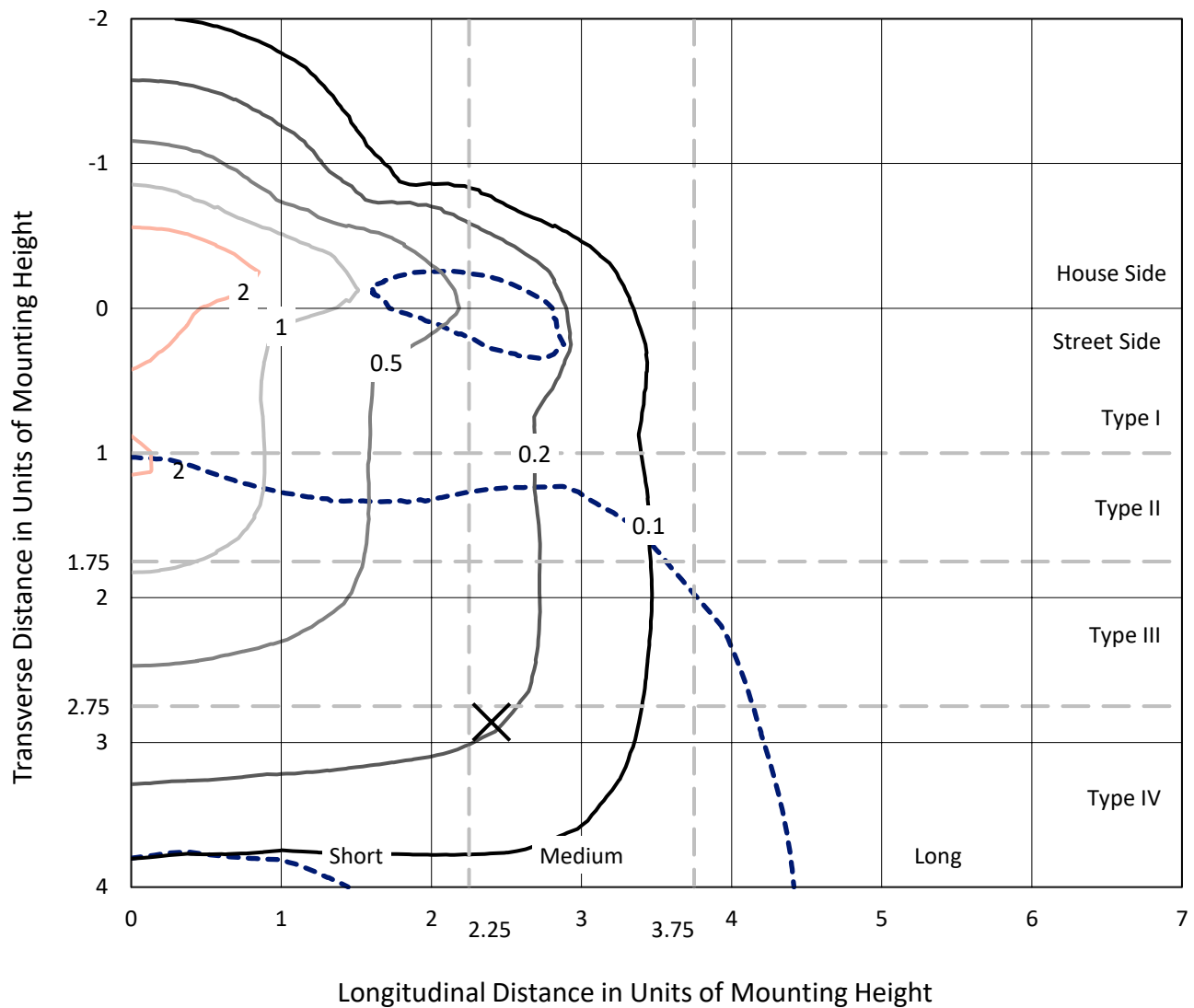


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

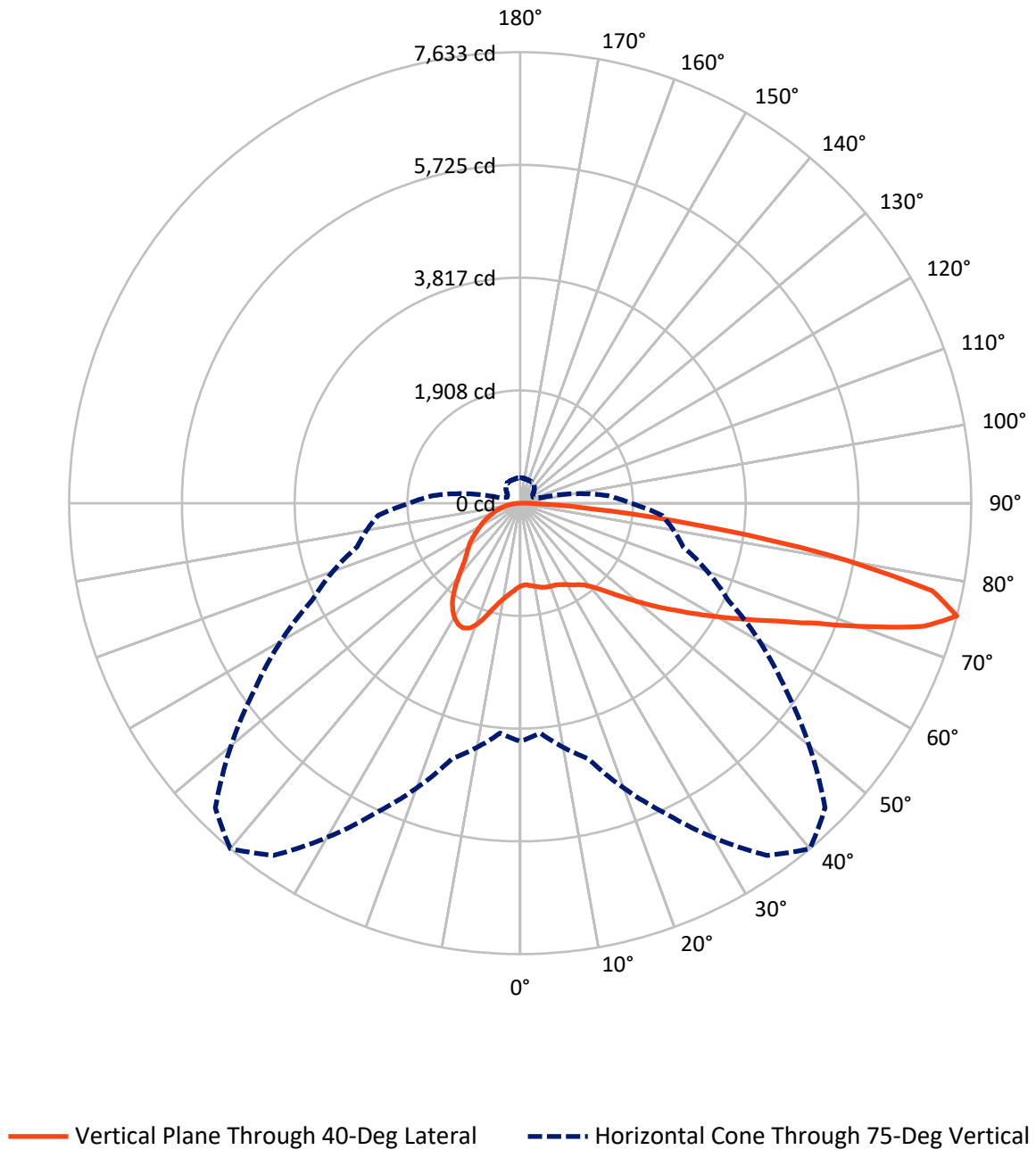


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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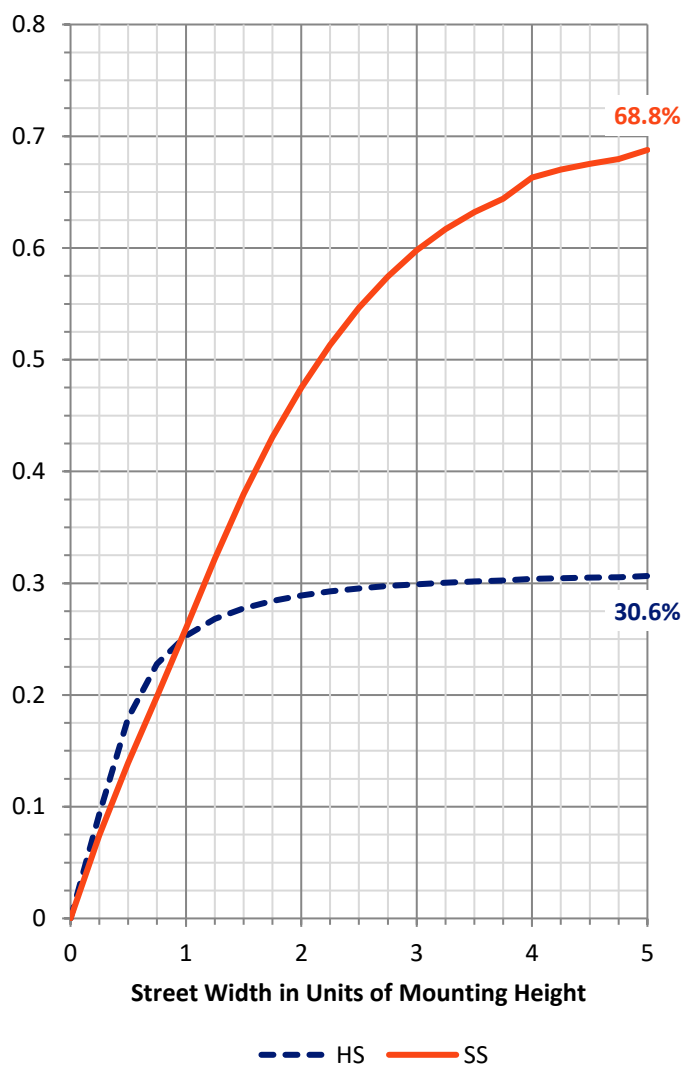
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3799.8	0.0	3799.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8464.2	0.0	8464.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	12264.0	0.0	12264.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	1.1
10°-20°	470.0	3.8
20°-30°	858.2	7.0
30°-40°	1217.1	9.9
40°-50°	1643.5	13.4
50°-60°	2210.9	18.0
60°-70°	2806.2	22.9
70°-80°	2546.8	20.8
80°-90°	371.2	3.0
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°	12264.0	100.0
0°-180°	12264.0	100.0

Coefficient of Utilization



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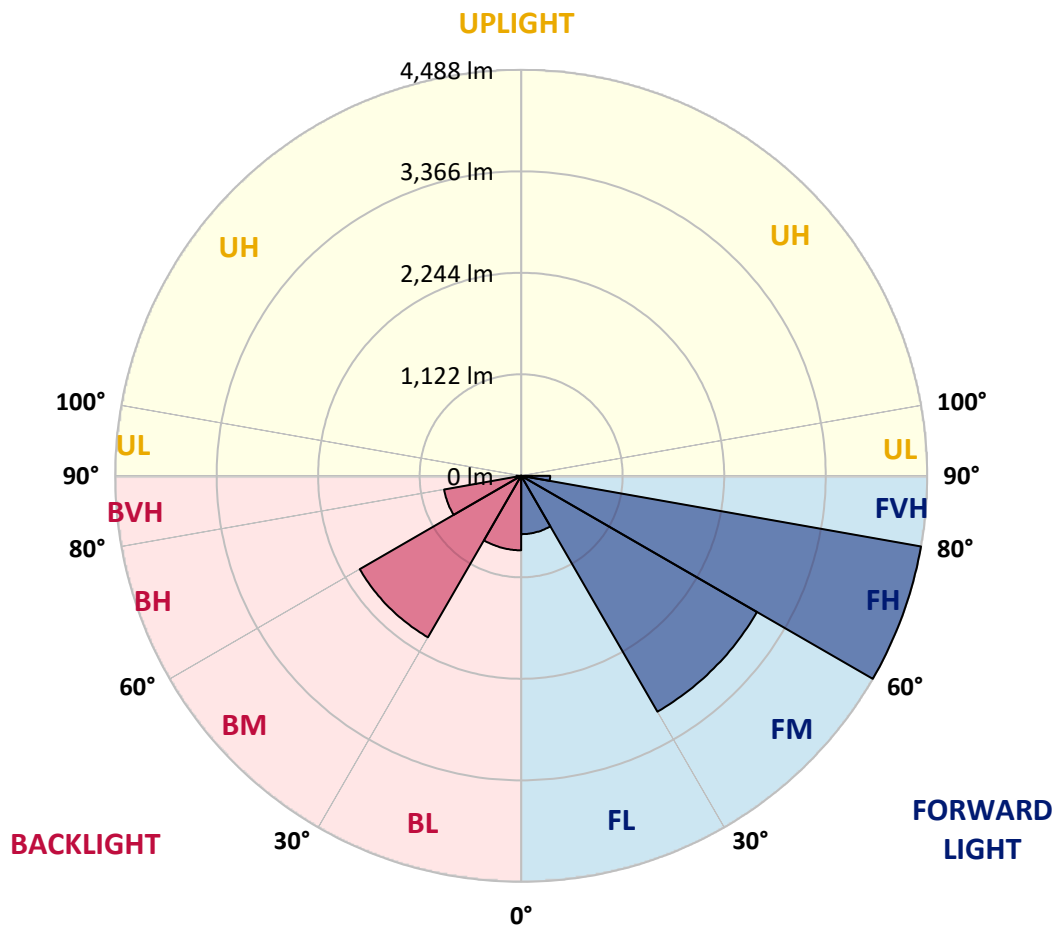
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	645.1	5.3			
FM	(30°-60°)	3010.5	24.5			
FH	(60°-80°)	4488.4	36.6			G2/5000
FVH	(80°-90°)	320.1	2.6			G3/500
BL	(0°-30°)	823.1	6.7	B2/1000		
BM	(30°-60°)	2061.0	16.8	B2/2500		
BH	(60°-80°)	864.6	7.0	B2/1000		G2/1000
BVH	(80°-90°)	51.1	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4
2.5°	1380.9	1388.7	1386.8	1384.2	1384.2	1384.8	1384.2	1388.7	1393.3	1397.9	1405.0
5°	1395.2	1403.1	1399.2	1395.9	1393.3	1392.6	1390.7	1390.0	1392.6	1398.5	1408.3
7.5°	1423.2	1431.0	1425.2	1419.3	1414.1	1411.5	1408.9	1405.0	1403.1	1406.3	1420.0
10°	1454.4	1462.2	1455.1	1444.7	1436.2	1433.0	1430.4	1426.5	1423.9	1425.8	1440.8
12.5°	1485.7	1493.5	1483.7	1469.4	1458.3	1456.4	1453.1	1451.8	1451.2	1450.5	1465.5
15°	1514.9	1521.4	1509.1	1492.2	1480.5	1477.2	1474.0	1475.9	1479.2	1483.1	1500.0
17.5°	1537.7	1544.2	1526.0	1503.9	1492.8	1491.5	1489.6	1496.1	1505.2	1514.9	1535.8
20°	1558.5	1565.0	1541.6	1511.7	1498.7	1498.7	1499.3	1513.0	1526.0	1540.3	1568.9
22.5°	1587.8	1593.0	1564.4	1523.4	1504.5	1505.8	1511.0	1524.7	1541.0	1560.5	1600.1
25°	1631.4	1635.3	1600.1	1545.5	1524.0	1527.9	1532.5	1539.0	1554.6	1577.4	1630.7
27.5°	1701.6	1704.9	1658.7	1584.5	1552.0	1558.5	1565.0	1560.5	1567.6	1587.1	1655.4
30°	1800.5	1802.4	1743.9	1645.7	1599.5	1602.7	1604.0	1585.2	1571.5	1587.1	1673.0
32.5°	1917.6	1916.9	1847.3	1719.8	1653.5	1650.2	1639.2	1602.1	1570.2	1583.9	1688.6
35°	2099.1	2091.9	2002.1	1823.9	1714.6	1694.5	1668.4	1621.0	1576.7	1580.6	1702.3
37.5°	2399.6	2377.5	2253.2	1994.3	1805.7	1754.3	1715.9	1651.5	1591.0	1579.3	1718.5
40°	2738.5	2710.5	2573.9	2227.8	1942.3	1859.7	1797.9	1695.1	1614.5	1585.2	1742.6
42.5°	3140.4	3100.8	2953.8	2503.0	2115.3	1995.6	1902.6	1750.4	1648.9	1604.0	1775.1
45°	3634.2	3581.5	3373.3	2813.3	2333.2	2173.9	2049.6	1834.3	1701.6	1640.5	1823.9
47.5°	4133.1	4146.1	3850.1	3168.4	2594.7	2393.7	2233.7	1960.5	1778.4	1699.0	1902.6
50°	4663.2	4672.3	4324.3	3562.0	2891.3	2642.2	2440.5	2101.7	1885.1	1782.3	2020.3
52.5°	5076.9	5078.2	4754.9	3973.7	3200.3	2915.4	2663.7	2263.0	2008.6	1892.9	2177.1
55°	5335.8	5332.5	5056.7	4363.3	3555.4	3202.2	2910.8	2446.4	2159.5	2022.9	2374.2
57.5°	5523.8	5514.0	5264.9	4698.3	3934.0	3541.1	3190.5	2654.6	2337.8	2177.8	2633.7
60°	5595.3	5589.5	5406.0	4987.8	4332.1	3915.8	3513.2	2887.4	2540.1	2360.5	2967.4
62.5°	5622.6	5633.7	5544.6	5268.1	4758.2	4330.8	3867.7	3165.8	2767.7	2567.4	3319.3
65°	5718.9	5739.1	5720.8	5635.0	5239.5	4816.7	4338.0	3496.9	3016.2	2789.2	3686.8
67.5°	5909.5	5929.6	5937.5	6074.1	5827.5	5422.3	4924.7	3909.3	3307.0	3019.5	3963.3
70°	5904.9	5899.1	6037.0	6423.4	6563.9	6260.7	5715.6	4416.7	3653.7	3210.7	3998.4
72.5°	5374.8	5328.0	5653.9	6419.4	7176.6	7136.3	6681.6	5071.0	3952.9	3234.1	3469.6
75°	4032.2	3907.3	4483.0	5785.2	7278.7	7633.2	7295.6	5476.9	3882.0	2857.5	2414.5
77.5°	1724.4	1598.8	2277.3	4282.7	6514.4	7135.6	6732.3	4778.3	3098.8	1889.6	1185.8
80°	451.4	450.8	688.2	1941.6	4430.3	5269.4	4622.9	3085.8	1770.6	675.2	327.2
82.5°	186.7	182.1	253.0	755.2	2164.8	2957.0	2413.2	1376.4	639.4	182.8	108.6
85°	69.6	68.9	122.9	260.8	763.6	1219.6	882.7	351.9	159.4	89.1	48.8
87.5°	19.5	18.9	26.7	90.4	186.0	282.3	150.9	57.9	44.9	35.1	14.3
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°	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4
2.5°	1407.0	1410.2	1416.1	1420.6	1426.5	1433.0	1442.1	1447.9	1453.8	1457.7	1455.1
5°	1412.8	1420.0	1434.9	1449.9	1467.5	1483.7	1502.6	1516.2	1527.3	1530.5	1531.8
7.5°	1425.8	1437.5	1462.9	1488.3	1516.2	1542.9	1570.2	1593.6	1612.5	1619.7	1620.3
10°	1448.6	1464.2	1500.0	1535.8	1572.8	1613.8	1648.9	1682.8	1709.4	1720.5	1721.1
12.5°	1477.2	1496.7	1543.6	1593.0	1644.4	1701.0	1746.5	1788.1	1821.3	1836.3	1836.3
15°	1514.3	1539.7	1599.5	1665.8	1741.3	1820.0	1877.9	1924.1	1961.2	1979.4	1978.1
17.5°	1554.6	1588.4	1663.9	1764.1	1872.0	1975.5	2043.1	2076.9	2115.3	2132.9	2132.2
20°	1593.6	1635.3	1743.2	1889.0	2032.7	2142.6	2197.3	2206.4	2209.0	2210.9	2216.1
22.5°	1634.0	1689.9	1842.8	2046.4	2200.5	2276.6	2284.4	2245.4	2190.8	2165.4	2172.6
25°	1678.2	1752.4	1972.9	2220.0	2344.9	2354.0	2294.2	2199.2	2095.8	2048.3	2055.5
27.5°	1721.1	1824.6	2129.0	2385.9	2449.0	2369.0	2240.2	2105.6	1980.7	1930.6	1936.4
30°	1764.1	1907.2	2301.3	2531.0	2496.5	2331.9	2155.0	2004.7	1879.2	1826.5	1832.4
32.5°	1807.6	2003.4	2499.7	2635.7	2488.0	2253.2	2049.0	1891.6	1781.0	1725.7	1732.8
35°	1857.1	2121.8	2687.7	2692.9	2431.4	2137.4	1909.1	1756.3	1660.0	1615.8	1625.5
37.5°	1921.5	2272.1	2853.6	2707.2	2332.6	1967.7	1735.4	1596.2	1516.9	1496.7	1511.0
40°	2001.5	2452.9	2980.4	2684.5	2186.2	1761.5	1545.5	1434.3	1389.4	1393.9	1409.6
42.5°	2105.6	2655.2	3069.5	2625.9	1982.6	1548.8	1379.0	1329.6	1351.0	1369.2	1386.1
45°	2240.9	2865.3	3124.8	2526.4	1752.4	1368.6	1280.8	1292.5	1308.7	1310.7	1323.7
47.5°	2413.9	3078.0	3161.3	2376.2	1517.5	1241.7	1218.3	1220.9	1217.7	1204.0	1214.4
50°	2629.8	3284.9	3193.8	2177.1	1317.8	1162.4	1131.2	1122.1	1077.2	1032.9	1038.8
52.5°	2875.7	3474.8	3207.4	1929.9	1162.4	1096.0	1045.3	988.1	904.1	890.5	895.0
55°	3148.9	3650.4	3172.3	1626.2	1031.6	1010.8	934.1	865.1	856.0	844.3	846.3
57.5°	3475.4	3839.7	3100.8	1287.3	897.6	911.3	836.5	844.3	828.0	809.8	806.6
60°	3832.5	4035.5	2975.2	978.3	759.1	787.1	811.1	810.5	805.9	791.0	785.8
62.5°	4153.9	4164.3	2728.1	749.3	637.5	690.8	756.5	755.8	751.9	743.5	740.2
65°	4345.1	4144.8	2315.7	590.0	537.3	611.4	682.3	687.5	688.2	687.5	687.5
67.5°	4311.3	3916.5	1749.8	469.6	454.7	530.8	608.8	616.0	621.2	622.5	623.8
70°	3928.8	3414.9	1140.9	374.7	381.2	459.9	539.2	546.4	550.9	556.1	558.8
72.5°	3062.4	2510.8	653.1	303.1	316.8	398.7	470.3	478.7	481.3	491.1	495.0
75°	1866.2	1476.6	352.6	238.7	260.2	340.8	402.0	411.7	416.3	428.0	429.3
77.5°	887.2	639.4	201.0	186.0	209.5	278.4	339.5	350.6	338.2	344.7	339.5
80°	299.9	237.4	126.8	141.8	160.0	217.3	271.9	283.0	256.9	255.6	253.0
82.5°	104.7	96.3	80.7	94.3	103.4	155.5	205.5	219.9	191.2	190.6	181.5
85°	41.0	39.0	44.9	51.4	61.8	95.6	135.3	142.5	117.7	95.0	93.7
87.5°	8.5	9.1	11.1	11.7	18.9	33.2	48.8	59.8	47.5	40.3	37.1
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)