

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: STREETWORKS

Report Number: P940022

Luminaire Tested: **GLAN-SB2D-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940022
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: STREETWORKS
Catalog Number: GLAN-SB2D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12279 lumens
Efficiency: N/A
Efficacy: 83.2 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): 147.6
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



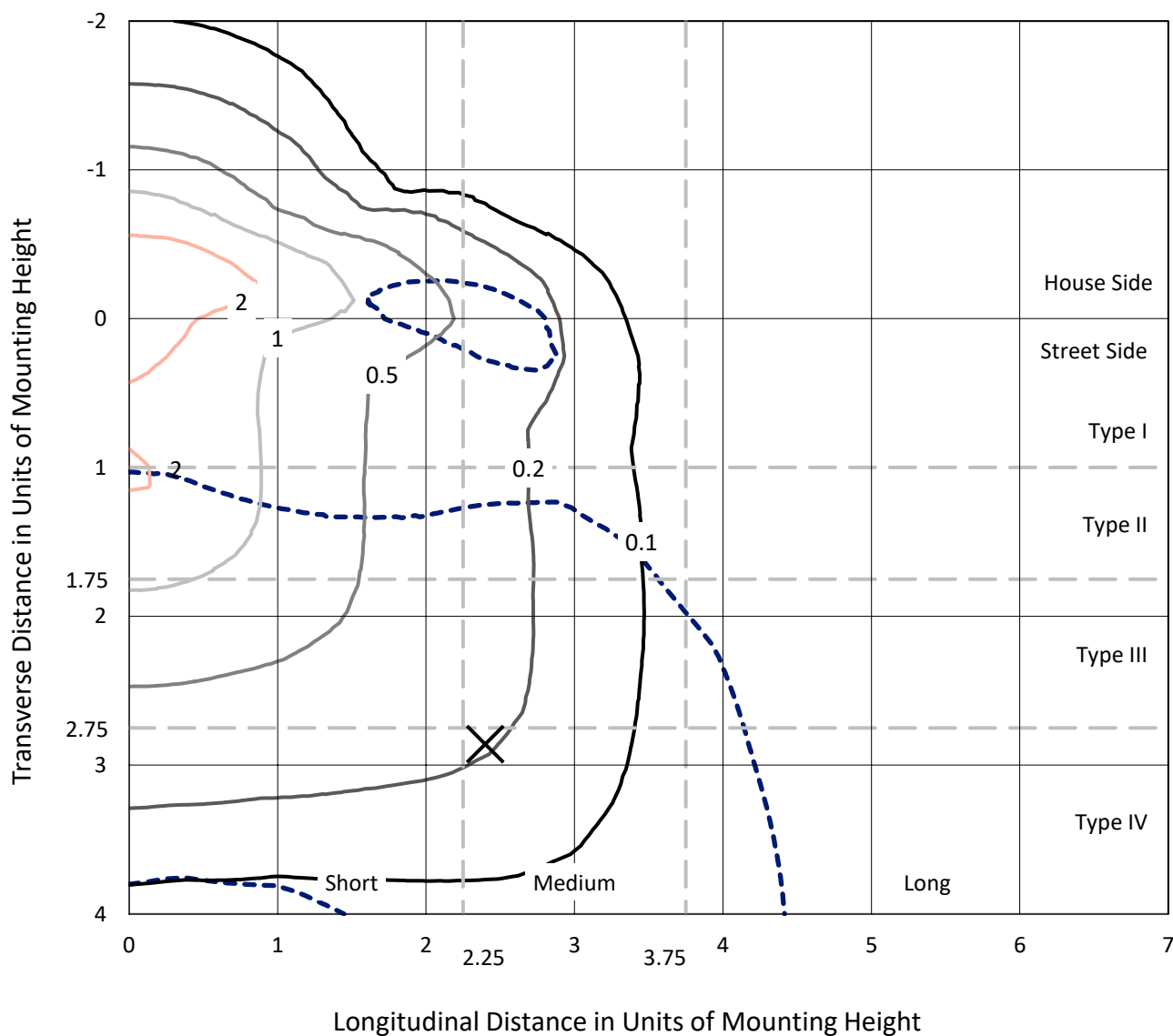
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Iso-Footcandle Lines of Horizontal Illumination

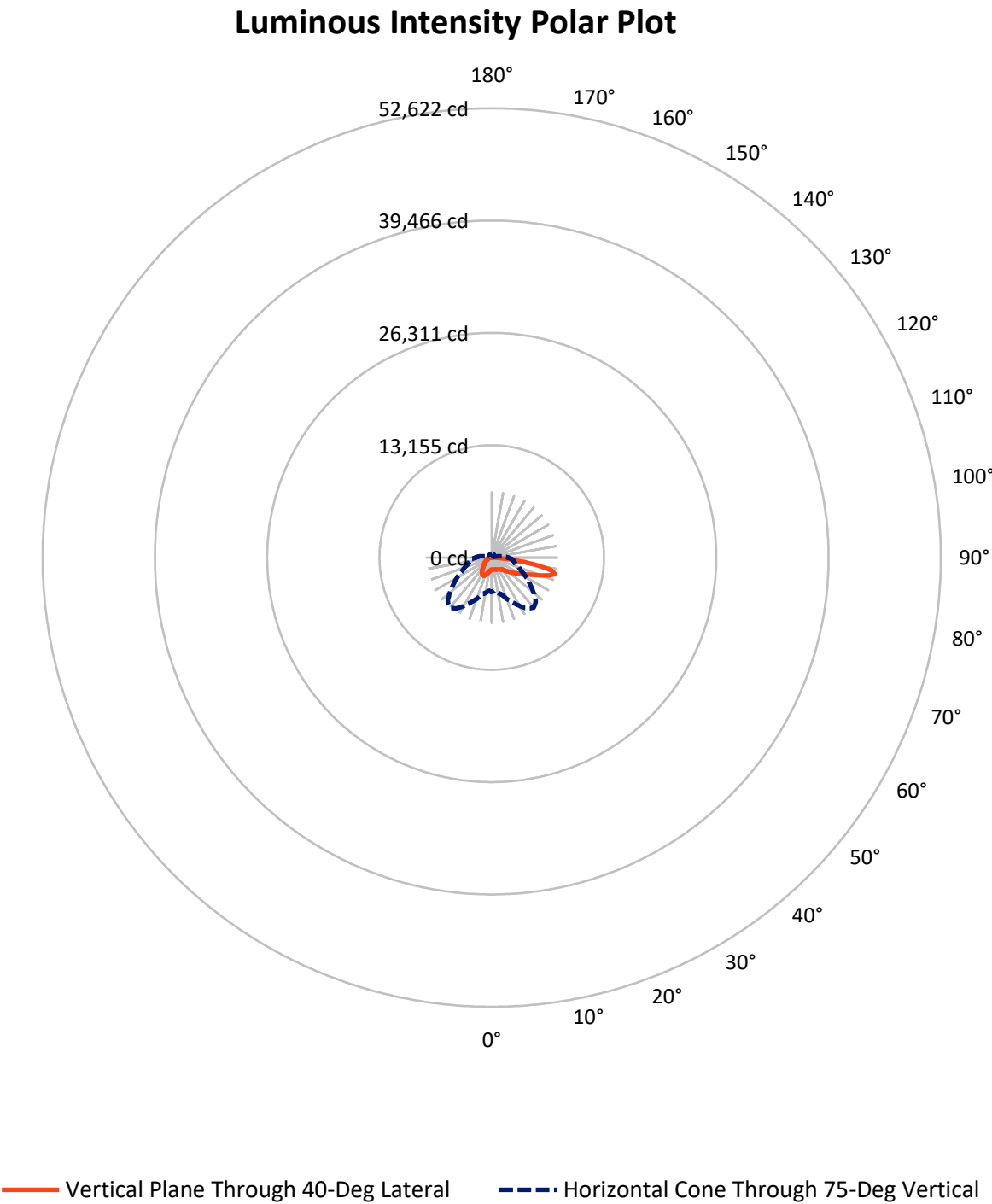
× Max cd

--- 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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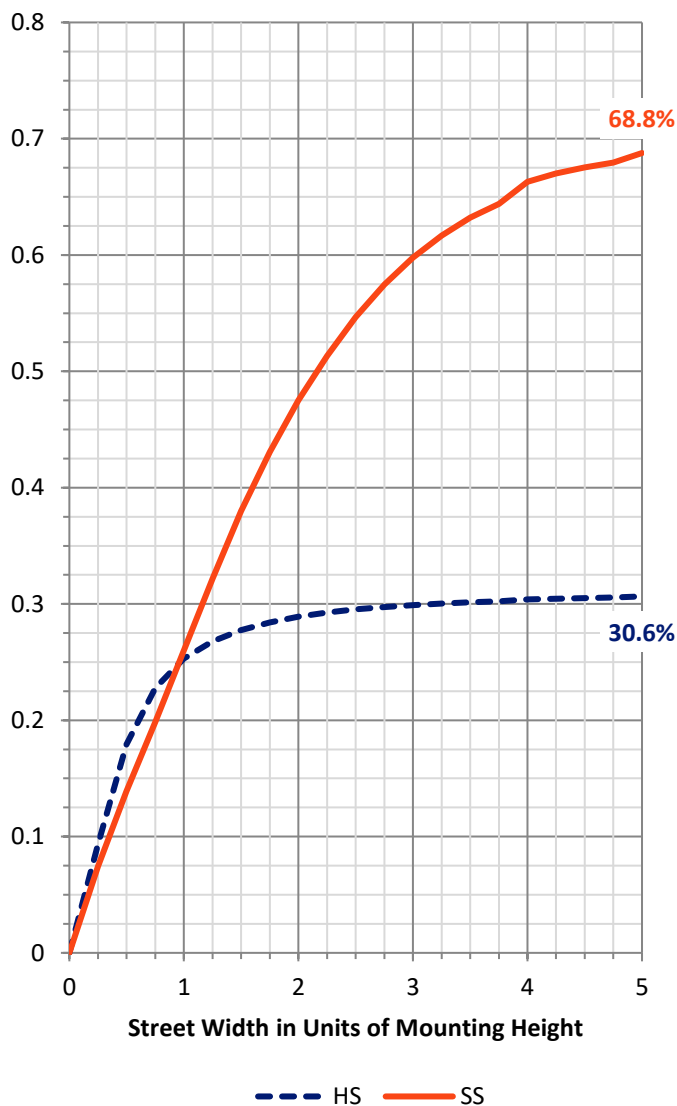
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3804.4	0.0	3804.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8474.6	0.0	8474.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	12279.0	0.0	12279.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	1.1
10°-20°	470.6	3.8
20°-30°	859.2	7.0
30°-40°	1218.6	9.9
40°-50°	1645.5	13.4
50°-60°	2213.7	18.0
60°-70°	2809.6	22.9
70°-80°	2549.9	20.8
80°-90°	371.7	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°	12279.0	100.0
0°-180°	12279.0	100.0

Coefficient of Utilization



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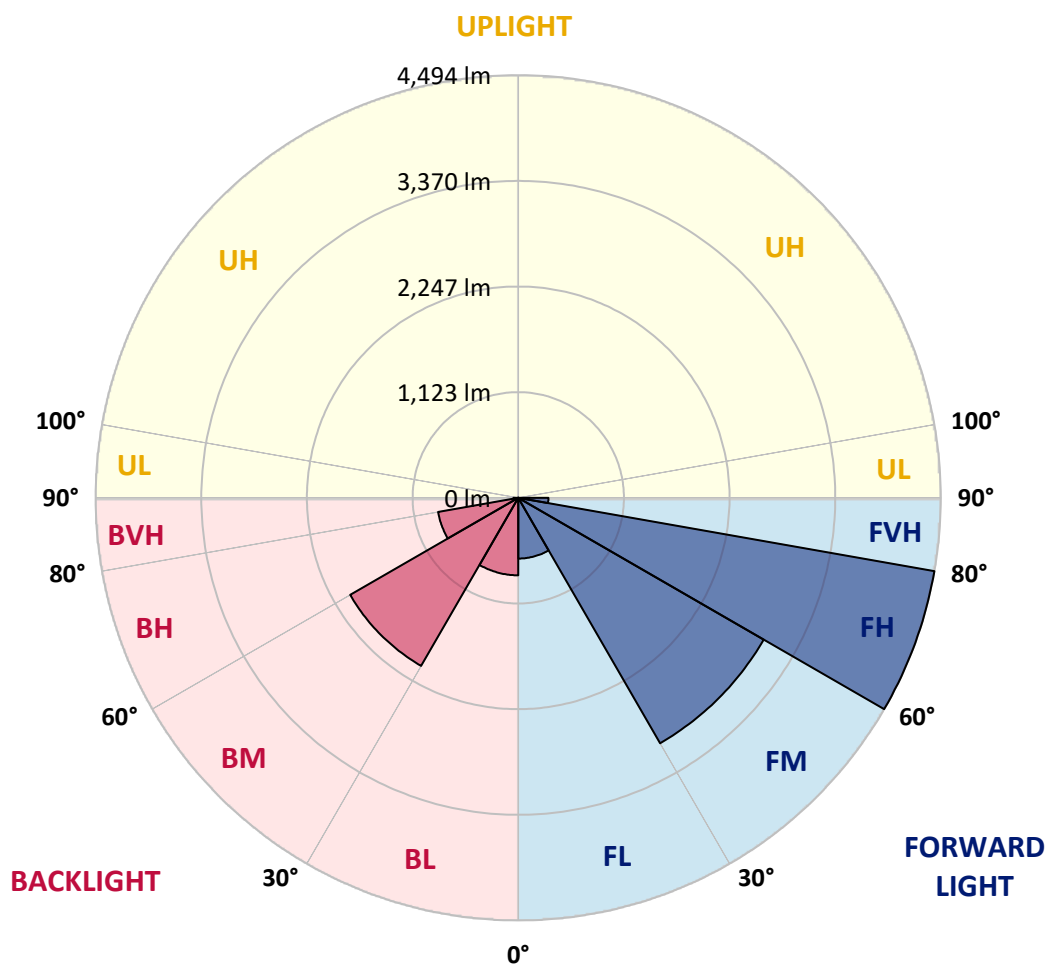
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	645.9	5.3			
FM	(30°-60°)	3014.2	24.5			
FH	(60°-80°)	4493.9	36.6			G2/5000
FVH	(80°-90°)	320.5	2.6			G3/500
BL	(0°-30°)	824.1	6.7	B2/1000		
BM	(30°-60°)	2063.6	16.8	B2/2500		
BH	(60°-80°)	865.6	7.0	B2/1000		G2/1000
BVH	(80°-90°)	51.2	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°
0°	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1
2.5°	1382.6	1390.4	1388.5	1385.9	1385.9	1386.5	1385.9	1390.4	1395.0	1399.6
5°	1397.0	1404.8	1400.9	1397.6	1395.0	1394.4	1392.4	1391.7	1394.4	1400.2
7.5°	1425.0	1432.8	1426.9	1421.1	1415.8	1413.2	1410.6	1406.7	1404.8	1408.0
10°	1456.2	1464.0	1456.9	1446.5	1438.0	1434.7	1432.1	1428.2	1425.6	1427.6
12.5°	1487.5	1495.3	1485.5	1471.2	1460.1	1458.2	1454.9	1453.6	1453.0	1452.3
15°	1516.8	1523.3	1510.9	1494.0	1482.3	1479.0	1475.8	1477.7	1481.0	1484.9
17.5°	1539.6	1546.1	1527.9	1505.7	1494.6	1493.3	1491.4	1497.9	1507.0	1516.8
20°	1560.4	1566.9	1543.5	1513.5	1500.5	1500.5	1501.2	1514.8	1527.9	1542.2
22.5°	1589.7	1594.9	1566.3	1525.3	1506.4	1507.7	1512.9	1526.6	1542.8	1562.4
25°	1633.4	1637.3	1602.1	1547.4	1525.9	1529.8	1534.4	1540.9	1556.5	1579.3
27.5°	1703.7	1707.0	1660.7	1586.5	1553.9	1560.4	1566.9	1562.4	1569.5	1589.1
30°	1802.7	1804.6	1746.0	1647.7	1601.5	1604.7	1606.0	1587.1	1573.4	1589.1
32.5°	1919.9	1919.3	1849.6	1721.9	1655.5	1652.3	1641.2	1604.1	1572.1	1585.8
35°	2101.6	2094.5	2004.6	1826.1	1716.7	1696.5	1670.5	1622.9	1578.7	1582.6
37.5°	2402.5	2380.4	2256.0	1996.8	1807.9	1756.5	1718.0	1653.6	1593.0	1581.3
40°	2741.8	2713.8	2577.0	2230.6	1944.7	1862.0	1800.1	1697.2	1616.4	1587.1
42.5°	3144.3	3104.6	2957.4	2506.1	2117.9	1998.1	1904.9	1752.5	1650.9	1606.0
45°	3638.6	3585.8	3377.4	2816.7	2336.1	2176.5	2052.1	1836.6	1703.7	1642.5
47.5°	4138.1	4151.1	3854.8	3172.3	2597.9	2396.6	2236.4	1962.9	1780.5	1701.1
50°	4668.9	4678.0	4329.6	3566.3	2894.9	2645.4	2443.5	2104.2	1887.4	1784.5
52.5°	5083.1	5084.4	4760.7	3978.6	3204.2	2919.0	2666.9	2265.7	2011.1	1895.2
55°	5342.3	5339.0	5062.9	4368.7	3559.8	3206.2	2914.4	2449.4	2162.2	2025.4
57.5°	5530.5	5520.7	5271.3	4704.1	3938.8	3545.5	3194.4	2657.8	2340.6	2180.4
60°	5602.2	5596.3	5412.6	4993.9	4337.4	3920.6	3517.5	2891.0	2543.2	2363.4
62.5°	5629.5	5640.6	5551.4	5274.6	4764.0	4336.1	3872.4	3169.7	2771.1	2570.5
65°	5725.9	5746.1	5727.8	5641.9	5245.9	4822.6	4343.3	3501.2	3019.9	2792.6
67.5°	5916.7	5936.9	5944.7	6081.5	5834.7	5428.9	4930.7	3914.1	3311.0	3023.2
70°	5912.2	5906.3	6044.4	6431.2	6571.9	6268.4	5722.6	4422.1	3658.1	3214.6
72.5°	5381.4	5334.5	5660.8	6427.3	7185.4	7145.0	6689.8	5077.2	3957.7	3238.1
75°	4037.2	3912.1	4488.5	5792.3	7287.6	7642.6	7304.6	5483.6	3886.7	2861.0
77.5°	1726.5	1600.8	2280.1	4287.9	6522.4	7144.3	6740.6	4784.2	3102.6	1891.9
80°	452.0	451.3	689.0	1944.0	4435.7	5275.9	4628.5	3089.6	1772.7	676.0
82.5°	186.9	182.4	253.3	756.1	2167.4	2960.6	2416.2	1378.1	640.2	183.0
85°	69.7	69.0	123.1	261.2	764.6	1221.1	883.8	352.3	159.6	89.2
87.5°	19.5	18.9	26.7	90.5	186.3	282.6	151.1	58.0	44.9	35.2
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1404.1	0°	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1	1404.1
1406.7	2.5°	1408.7	1411.9	1417.8	1422.4	1428.2	1434.7	1443.8	1449.7	1455.6	1459.5
1410.0	5°	1414.5	1421.7	1436.7	1451.7	1469.2	1485.5	1504.4	1518.1	1529.2	1532.4
1421.7	7.5°	1427.6	1439.3	1464.7	1490.1	1518.1	1544.8	1572.1	1595.6	1614.5	1621.6
1442.5	10°	1450.4	1466.0	1501.8	1537.6	1574.8	1615.8	1650.9	1684.8	1711.5	1722.6
1467.3	12.5°	1479.0	1498.6	1545.4	1594.9	1646.4	1703.0	1748.6	1790.3	1823.5	1838.5
1501.8	15°	1516.1	1541.5	1601.5	1667.9	1743.4	1822.2	1880.2	1926.4	1963.6	1981.8
1537.6	17.5°	1556.5	1590.4	1665.9	1766.2	1874.3	1977.9	2045.6	2079.5	2117.9	2135.5
1570.8	20°	1595.6	1637.3	1745.4	1891.3	2035.2	2145.3	2200.0	2209.1	2211.7	2213.6
1602.1	22.5°	1636.0	1692.0	1845.0	2048.9	2203.2	2279.4	2287.2	2248.2	2193.4	2168.0
1632.7	25°	1680.3	1754.5	1975.3	2222.8	2347.8	2356.9	2297.0	2201.9	2098.4	2050.8
1657.5	27.5°	1723.2	1826.8	2131.6	2388.8	2452.0	2371.9	2242.9	2108.1	1983.1	1932.9
1675.0	30°	1766.2	1909.5	2304.2	2534.1	2499.5	2334.8	2157.6	2007.2	1881.5	1828.7
1690.7	32.5°	1809.9	2005.9	2502.8	2638.9	2491.1	2256.0	2051.5	1893.9	1783.2	1727.8
1704.4	35°	1859.4	2124.4	2691.0	2696.2	2434.4	2140.0	1911.5	1758.4	1662.0	1617.7
1720.6	37.5°	1923.8	2274.9	2857.1	2710.6	2335.4	1970.1	1737.6	1598.2	1518.7	1498.6
1744.7	40°	2003.9	2455.9	2984.1	2687.8	2188.9	1763.6	1547.4	1436.0	1391.1	1395.7
1777.3	42.5°	2108.1	2658.4	3073.3	2629.1	1985.0	1550.7	1380.7	1331.2	1352.7	1370.9
1826.1	45°	2243.6	2868.8	3128.7	2529.5	1754.5	1370.3	1282.3	1294.1	1310.3	1312.3
1904.9	47.5°	2416.8	3081.8	3165.1	2379.1	1519.4	1243.3	1219.8	1222.4	1219.2	1205.5
2022.8	50°	2633.1	3288.9	3197.7	2179.8	1319.5	1163.8	1132.5	1123.4	1078.5	1034.2
2179.8	52.5°	2879.2	3479.0	3211.4	1932.3	1163.8	1097.4	1046.6	989.3	905.3	891.6
2377.1	55°	3152.8	3654.9	3176.2	1628.2	1032.9	1012.1	935.2	866.2	857.1	845.3
2637.0	57.5°	3479.7	3844.4	3104.6	1288.8	898.7	912.4	837.5	845.3	829.1	810.8
2971.1	60°	3837.2	4040.4	2978.9	979.5	760.0	788.0	812.1	811.5	806.9	791.9
3323.4	62.5°	4159.0	4169.4	2731.4	750.3	638.2	691.6	757.4	756.8	752.9	744.4
3691.4	65°	4350.4	4149.8	2318.5	590.7	537.9	612.2	683.2	688.4	689.0	688.4
3968.1	67.5°	4316.6	3921.2	1751.9	470.2	455.2	531.4	609.6	616.7	622.0	623.3
4003.3	70°	3933.6	3419.1	1142.3	375.1	381.6	460.4	539.9	547.1	551.6	556.8
3473.8	72.5°	3066.1	2513.9	653.9	303.5	317.2	399.2	470.9	479.3	481.9	491.7
2417.5	75°	1868.5	1478.4	353.0	239.0	260.5	341.3	402.5	412.2	416.8	428.5
1187.2	77.5°	888.3	640.2	201.2	186.3	209.7	278.7	340.0	351.0	338.7	345.2
327.6	80°	300.2	237.7	127.0	142.0	160.2	217.5	272.2	283.3	257.2	255.9
108.8	82.5°	104.9	96.4	80.8	94.4	103.6	155.7	205.8	220.1	191.5	190.8
48.8	85°	41.0	39.1	44.9	51.4	61.9	95.7	135.5	142.6	117.9	95.1
14.3	87.5°	8.5	9.1	11.1	11.7	18.9	33.2	48.8	59.9	47.5	40.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
1404.1
1456.9
1533.7
1622.3
1723.2
1838.5
1980.5
2134.8
2218.8
2175.2
2058.0
1938.8
1834.6
1735.0
1627.5
1512.9
1411.3
1387.8
1325.3
1215.9
1040.1
896.1
847.3
807.6
786.7
741.1
688.4
624.6
559.4
495.6
429.8
340.0
253.3
181.7
93.8
37.1
0.0