

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: INVUE

Report Number: P151098

Luminaire Tested: **VWM-E05-LED-E1-SL3-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P151098  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VWM-E05-LED-E1-SL3-8030  
Description: VISION WALL MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (105) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12812.5 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

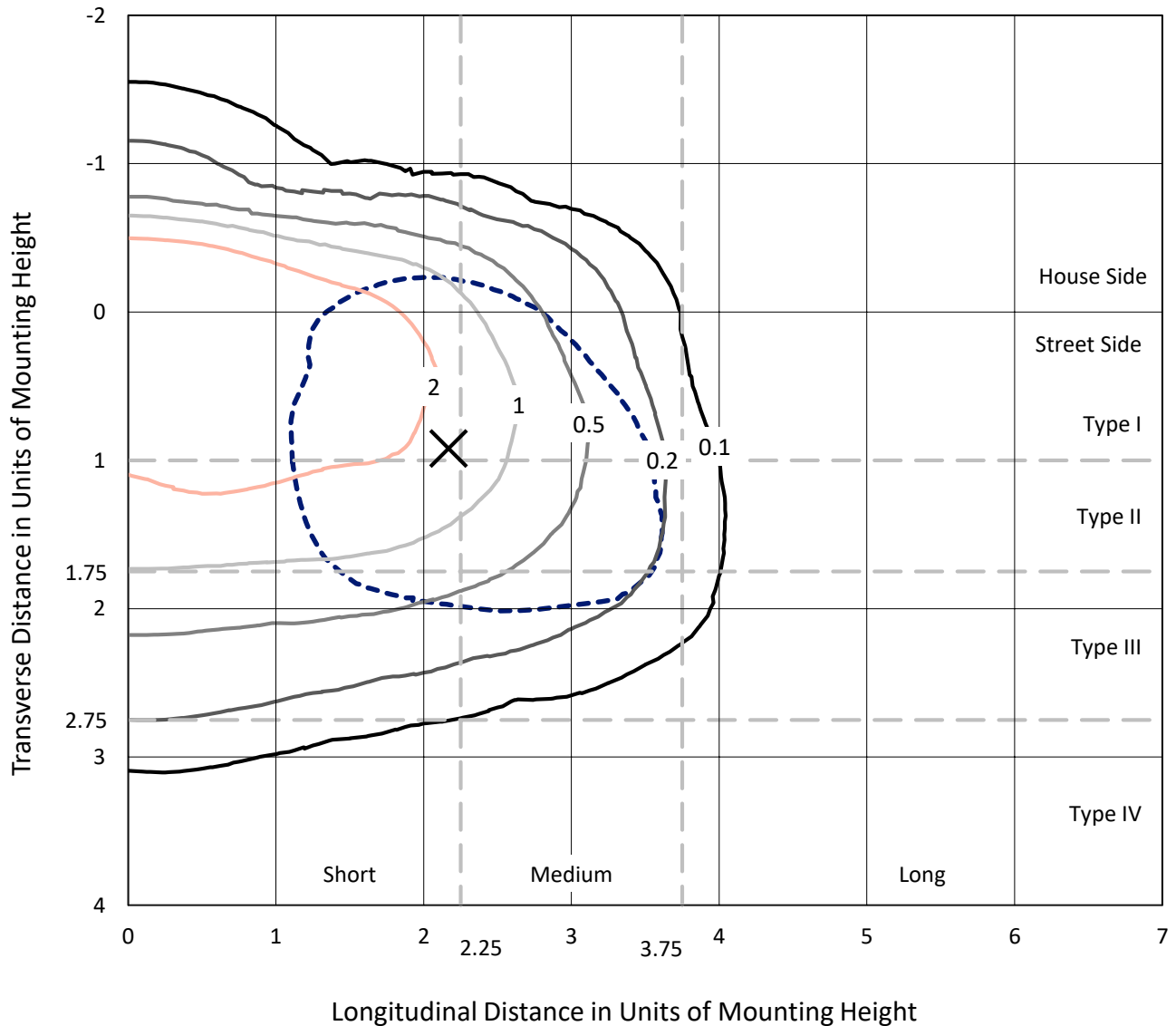
Input Watts (W): 127.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

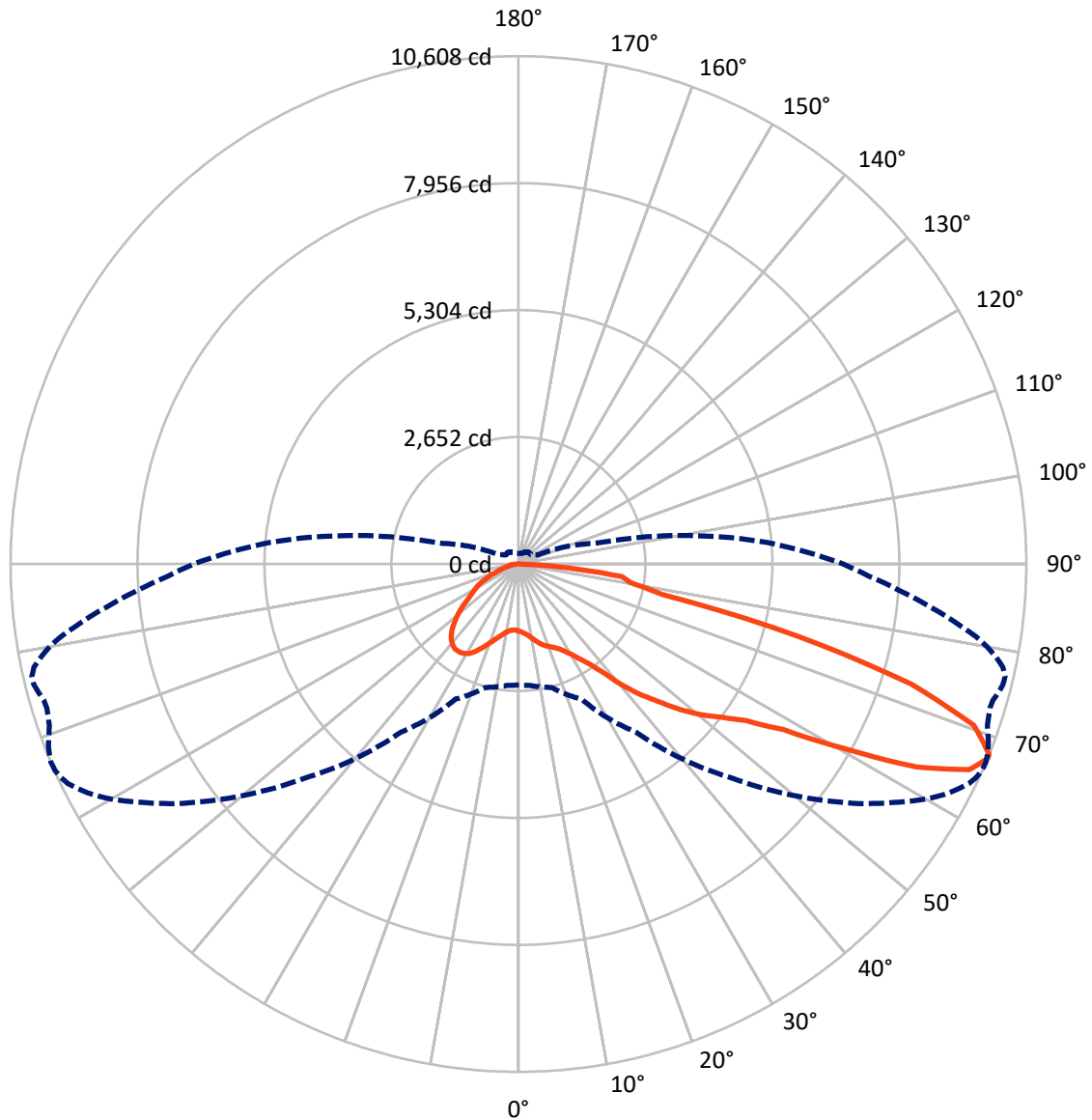
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2956.7	0.0	2956.7
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	9855.8	0.0	9855.8
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	12812.5	0.0	12812.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.4	1.1
10°-20°	477.8	3.7
20°-30°	843.7	6.6
30°-40°	1211.0	9.5
40°-50°	1839.3	14.4
50°-60°	2708.0	21.1
60°-70°	3598.9	28.1
70°-80°	1760.7	13.7
80°-90°	233.8	1.8
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°	12812.5	100.0
0°-180°	12812.5	100.0

**Coefficient of Utilization**



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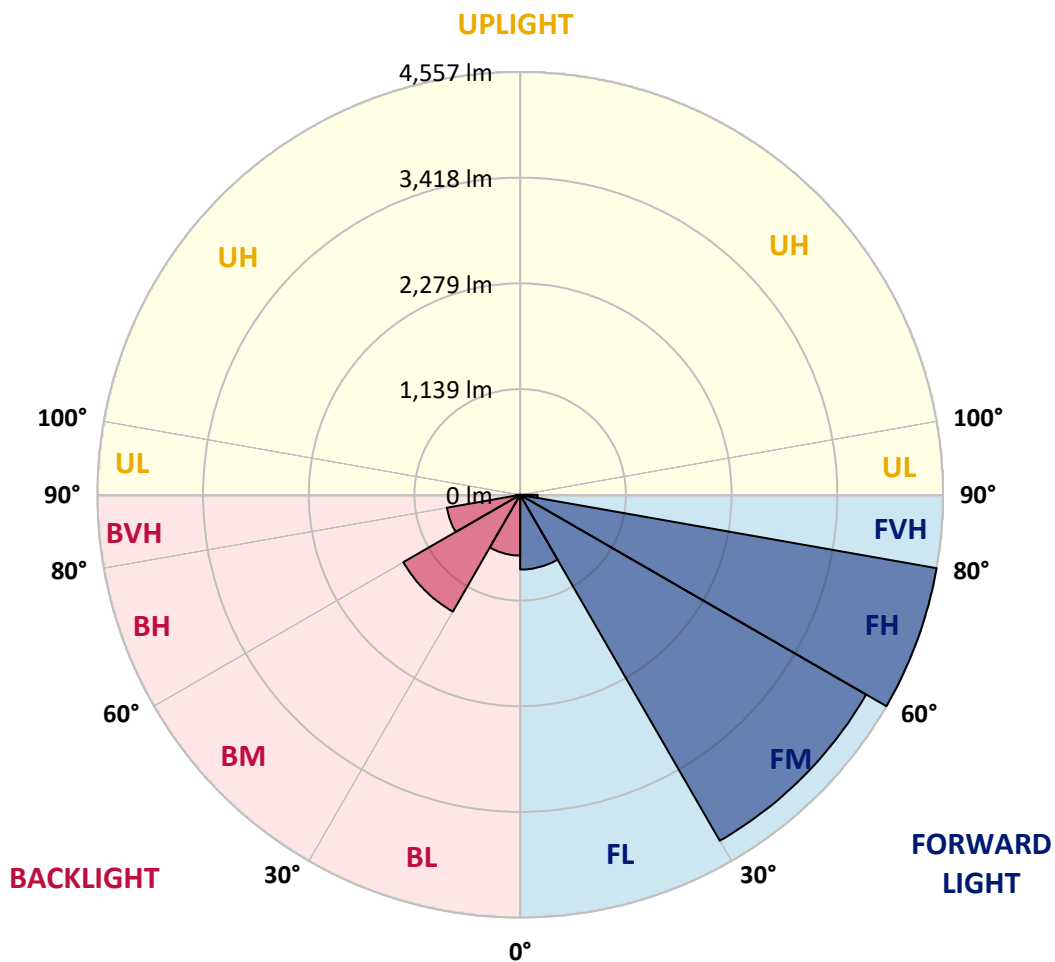
CATALOG NUMBER: VWM-E05-LED-E1-SL3-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	806.0	6.3			
FM	(30°-60°)	4304.7	33.6			
FH	(60°-80°)	4557.3	35.6			G2/5000
FVH	(80°-90°)	187.8	1.5			G2/225
BL	(0°-30°)	654.8	5.1	B2/1000		
BM	(30°-60°)	1453.6	11.3	B2/2500		
BH	(60°-80°)	802.2	6.3	B2/1000		G2/1000
BVH	(80°-90°)	46.0	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6
2.5°	1465.7	1467.1	1464.3	1462.9	1454.5	1446.0	1440.4	1433.4	1433.4	1433.4	1430.6
5°	1548.7	1543.1	1547.3	1537.5	1520.6	1505.1	1489.6	1477.0	1474.2	1474.2	1468.5
7.5°	1648.6	1641.6	1638.7	1624.7	1599.4	1576.9	1545.9	1533.3	1526.2	1523.4	1520.6
10°	1769.6	1769.6	1751.3	1727.4	1693.6	1654.2	1620.5	1598.0	1596.5	1596.5	1583.9
12.5°	1893.4	1896.2	1872.3	1848.3	1793.5	1741.4	1702.0	1676.7	1675.3	1669.7	1662.7
15°	2007.3	2000.3	1984.8	1949.6	1889.1	1827.2	1778.0	1752.7	1747.1	1741.4	1737.2
17.5°	2101.5	2094.5	2074.8	2029.8	1966.5	1893.4	1832.9	1806.1	1803.3	1800.5	1794.9
20°	2160.6	2155.0	2126.9	2074.8	2008.7	1934.1	1869.4	1851.2	1845.5	1845.5	1842.7
22.5°	2194.4	2185.9	2145.1	2076.2	2011.5	1956.7	1903.2	1891.9	1887.7	1889.1	1889.1
25°	2211.3	2204.2	2146.6	2048.1	1986.2	1970.7	1948.2	1941.2	1942.6	1944.0	1946.8
27.5°	2214.1	2204.2	2136.7	2011.5	1953.8	1997.4	2012.9	2024.2	2024.2	2029.8	2039.6
30°	2193.0	2181.7	2117.0	1983.4	1939.8	2050.9	2112.8	2142.3	2153.6	2150.8	2173.3
32.5°	2156.4	2149.4	2097.3	1983.4	1979.2	2156.4	2266.1	2308.3	2313.9	2316.8	2342.1
35°	2143.7	2142.3	2119.8	2050.9	2101.5	2342.1	2509.5	2541.8	2548.9	2548.9	2567.1
37.5°	2140.9	2148.0	2173.3	2177.5	2316.8	2617.8	2837.2	2886.4	2886.4	2900.5	2900.5
40°	2140.9	2156.4	2252.0	2366.0	2579.8	2976.5	3280.3	3336.6	3336.6	3352.1	3343.6
42.5°	2223.9	2246.4	2404.0	2620.6	2911.8	3346.4	3695.3	3758.6	3762.8	3758.6	3771.2
45°	2387.1	2406.8	2598.1	2909.0	3253.6	3743.1	4091.9	4167.9	4152.4	4162.3	4166.5
47.5°	2603.7	2634.7	2852.7	3224.0	3587.0	4110.2	4536.5	4605.4	4599.8	4604.0	4585.7
50°	2834.4	2866.8	3110.1	3536.3	3918.9	4405.6	4893.7	4996.4	4986.6	4993.6	5003.5
52.5°	3038.4	3058.1	3293.0	3771.2	4170.7	4681.3	5168.0	5296.0	5318.5	5321.4	5328.4
55°	3159.3	3183.3	3398.5	3888.0	4353.6	4951.4	5481.7	5675.8	5719.4	5730.7	5761.6
57.5°	3201.5	3226.9	3422.4	3904.9	4453.5	5204.6	5919.2	6261.0	6297.6	6358.1	6456.5
60°	3200.1	3226.9	3397.1	3866.9	4554.7	5518.3	6600.0	7172.5	7358.2	7420.1	7560.8
62.5°	3069.3	3100.3	3273.3	3751.5	4684.1	5919.2	7612.8	8493.4	8732.5	8845.0	8996.9
65°	2782.4	2804.9	2966.6	3459.0	4647.6	6314.5	8459.6	9558.2	9776.2	9940.8	10212.3
67°	2527.8	2541.8	2668.4	3112.9	4290.3	6328.5	8726.9	9822.6	10012.5	10187.0	10466.9
67.5°	2463.0	2492.6	2591.1	3007.4	4156.7	6248.3	8708.6	9781.9	9976.0	10157.4	10452.8
70°	2004.5	2046.7	2095.9	2375.8	3267.7	5256.7	8062.9	9075.7	9245.9	9414.7	9826.9
72.5°	1236.4	1312.4	1322.3	1499.5	2126.9	3633.4	6524.0	7653.6	7781.6	7902.6	8324.6
75°	728.6	739.9	775.1	918.5	1247.7	2171.9	4377.5	5685.7	5803.8	5862.9	6193.5
77.5°	406.5	417.8	447.3	571.1	959.3	1462.9	2548.9	3340.8	3412.5	3487.1	3433.6
80°	168.8	184.3	198.3	230.7	448.7	1154.9	1752.7	2124.0	2170.5	2214.1	2268.9
82.5°	81.6	87.2	106.9	122.4	163.2	474.0	1374.3	1841.3	1896.2	1959.5	2087.5
85°	38.0	42.2	59.1	70.3	78.8	119.6	460.0	896.0	972.0	986.1	1011.4
87.5°	2.8	2.8	7.0	9.8	14.1	15.5	47.8	67.5	76.0	68.9	87.2
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6
2.5°	1429.2	1427.8	1424.9	1424.9	1423.5	1423.5	1423.5	1420.7	1420.7	1420.7	1419.3
5°	1467.1	1465.7	1461.5	1461.5	1458.7	1458.7	1454.5	1453.1	1450.3	1450.3	1448.9
7.5°	1516.4	1515.0	1509.3	1509.3	1505.1	1503.7	1500.9	1496.7	1496.7	1493.9	1491.1
10°	1583.9	1579.7	1578.3	1571.2	1572.6	1569.8	1567.0	1562.8	1560.0	1557.2	1554.3
12.5°	1659.8	1659.8	1652.8	1648.6	1651.4	1648.6	1643.0	1641.6	1637.3	1637.3	1633.1
15°	1731.6	1731.6	1728.8	1723.1	1724.6	1720.3	1718.9	1716.1	1710.5	1711.9	1710.5
17.5°	1793.5	1793.5	1789.3	1786.4	1786.4	1782.2	1783.6	1780.8	1778.0	1776.6	1772.4
20°	1842.7	1842.7	1839.9	1837.1	1838.5	1838.5	1834.3	1834.3	1834.3	1831.5	1831.5
22.5°	1890.5	1891.9	1891.9	1891.9	1893.4	1894.8	1893.4	1896.2	1894.8	1897.6	1897.6
25°	1953.8	1958.1	1960.9	1960.9	1967.9	1969.3	1970.7	1974.9	1974.9	1979.2	1980.6
27.5°	2048.1	2050.9	2062.2	2065.0	2066.4	2077.6	2079.0	2084.7	2090.3	2091.7	2093.1
30°	2177.5	2184.5	2193.0	2198.6	2198.6	2212.7	2218.3	2215.5	2230.9	2235.2	2240.8
32.5°	2350.5	2356.1	2364.6	2370.2	2375.8	2382.9	2384.3	2391.3	2404.0	2415.2	2408.2
35°	2568.5	2582.6	2568.5	2584.0	2588.2	2598.1	2595.3	2603.7	2609.3	2613.6	2612.2
37.5°	2885.0	2878.0	2875.2	2869.6	2859.7	2893.5	2876.6	2875.2	2866.8	2890.7	2875.2
40°	3301.4	3305.6	3309.9	3287.3	3274.7	3274.7	3270.5	3255.0	3248.0	3269.1	3266.2
42.5°	3736.1	3740.3	3720.6	3706.5	3674.2	3670.0	3650.3	3646.0	3639.0	3650.3	3639.0
45°	4131.3	4134.1	4090.5	4097.6	4072.3	4076.5	4045.5	4058.2	4041.3	4052.6	4073.7
47.5°	4573.0	4578.7	4540.7	4556.1	4530.8	4515.4	4513.9	4522.4	4504.1	4515.4	4521.0
50°	4973.9	4966.9	4947.2	4951.4	4940.2	4943.0	4926.1	4941.6	4920.5	4943.0	4940.2
52.5°	5329.8	5321.4	5317.1	5331.2	5321.4	5321.4	5311.5	5318.5	5321.4	5355.1	5362.2
55°	5761.6	5768.7	5775.7	5801.0	5812.3	5794.0	5812.3	5847.5	5848.9	5929.0	5972.6
57.5°	6455.1	6504.4	6529.7	6545.1	6611.3	6604.2	6646.4	6730.8	6739.3	6924.9	7033.3
60°	7664.8	7752.1	7835.0	7790.0	7923.7	7964.5	7989.8	8147.3	8196.6	8372.4	8466.6
62.5°	9192.5	9202.3	9331.7	9290.9	9366.9	9348.6	9379.6	9451.3	9516.0	9660.9	9749.5
65°	10258.7	10305.1	10355.8	10303.7	10302.3	10240.4	10201.0	10199.6	10239.0	10270.0	10368.4
67°	10548.5	10594.9	10607.6	10569.6	10514.7	10435.9	10362.8	10324.8	10299.5	10313.6	10375.5
67.5°	10545.7	10589.3	10604.7	10568.2	10492.2	10426.1	10348.7	10305.1	10271.4	10278.4	10330.4
70°	9946.4	10040.7	10091.3	10102.6	10092.7	9977.4	9911.3	9871.9	9843.7	9774.8	9770.6
72.5°	8427.2	8541.2	8580.6	8643.9	8672.0	8501.8	8430.1	8473.7	8375.2	8157.2	8167.0
75°	6187.9	6196.3	6064.1	6038.8	5944.5	5559.1	5443.7	5338.2	5169.4	4906.4	4658.8
77.5°	3225.5	3224.0	3072.1	2994.8	2882.2	2650.1	2638.9	2450.4	2318.2	2077.6	1990.4
80°	2291.4	2328.0	2378.6	2404.0	2364.6	2274.6	2150.8	2017.1	1863.8	1713.3	1533.3
82.5°	2131.1	2153.6	2180.3	2081.8	2027.0	1900.4	1806.1	1612.0	1503.7	1332.1	1150.6
85°	1036.7	1105.6	1052.2	990.3	969.2	758.2	732.9	611.9	555.6	457.2	426.2
87.5°	66.1	81.6	73.1	66.1	57.7	32.4	43.6	30.9	32.4	23.9	21.1
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6
2.5°	1419.3	1417.9	1416.5	1415.1	1413.7	1413.7	1412.3	1410.9	1409.5	1406.7	1406.7
5°	1446.0	1446.0	1444.6	1441.8	1441.8	1439.0	1434.8	1433.4	1433.4	1430.6	1427.8
7.5°	1489.6	1488.2	1485.4	1484.0	1481.2	1478.4	1475.6	1472.8	1471.4	1467.1	1465.7
10°	1555.8	1552.9	1545.9	1543.1	1541.7	1538.9	1536.1	1533.3	1529.0	1526.2	1524.8
12.5°	1630.3	1628.9	1623.3	1626.1	1619.1	1616.2	1613.4	1606.4	1609.2	1603.6	1600.8
15°	1704.9	1706.3	1703.5	1703.5	1697.8	1693.6	1690.8	1685.2	1683.8	1680.9	1678.1
17.5°	1771.0	1773.8	1769.6	1766.8	1763.9	1761.1	1755.5	1749.9	1749.9	1744.2	1741.4
20°	1831.5	1834.3	1832.9	1830.1	1825.8	1824.4	1821.6	1817.4	1817.4	1814.6	1810.4
22.5°	1900.4	1901.8	1901.8	1900.4	1896.2	1897.6	1894.8	1890.5	1891.9	1886.3	1886.3
25°	1983.4	1986.2	1989.0	1990.4	1987.6	1989.0	1986.2	1983.4	1982.0	1983.4	1982.0
27.5°	2097.3	2100.1	2108.6	2101.5	2108.6	2110.0	2105.8	2100.1	2104.4	2111.4	2107.2
30°	2247.8	2245.0	2256.3	2257.7	2256.3	2257.7	2254.9	2250.6	2253.5	2266.1	2259.1
32.5°	2416.6	2422.3	2425.1	2427.9	2432.1	2437.7	2433.5	2429.3	2436.3	2432.1	2441.9
35°	2620.6	2633.3	2637.5	2633.3	2636.1	2645.9	2644.5	2645.9	2660.0	2645.9	2664.2
37.5°	2878.0	2890.7	2900.5	2894.9	2901.9	2901.9	2913.2	2944.1	2924.4	2949.7	2969.4
40°	3252.2	3271.9	3273.3	3271.9	3278.9	3287.3	3298.6	3332.4	3309.9	3336.6	3354.9
42.5°	3637.6	3661.5	3670.0	3655.9	3671.4	3689.6	3691.1	3720.6	3722.0	3726.2	3736.1
45°	4072.3	4093.4	4110.2	4103.2	4104.6	4128.5	4122.9	4151.0	4129.9	4129.9	4135.6
47.5°	4535.0	4554.7	4566.0	4577.2	4563.2	4584.3	4594.1	4588.5	4563.2	4557.6	4523.8
50°	4957.0	4973.9	4990.8	5021.7	5020.3	5030.2	5037.2	5011.9	5006.3	4975.3	4937.3
52.5°	5404.4	5448.0	5485.9	5550.6	5560.5	5594.3	5581.6	5539.4	5532.4	5481.7	5431.1
55°	6027.5	6152.7	6207.6	6307.4	6374.9	6373.5	6345.4	6338.4	6284.9	6183.6	6123.2
57.5°	7112.0	7307.6	7401.8	7531.2	7552.3	7539.7	7503.1	7438.4	7345.5	7175.3	7065.6
60°	8677.6	8798.6	8908.3	8939.3	8954.7	8930.8	8802.8	8659.3	8477.9	8243.0	8047.5
62.5°	9860.6	9984.4	10066.0	10053.3	9956.3	9833.9	9646.8	9406.3	9151.7	8888.6	8596.0
65°	10462.7	10514.7	10502.1	10403.6	10237.6	10023.8	9750.9	9454.1	9154.5	8843.6	8539.8
67°	10430.3	10431.7	10345.9	10154.6	9942.2	9673.5	9340.2	9016.6	8665.0	8338.6	7977.1
67.5°	10372.6	10367.0	10247.5	10037.9	9808.6	9531.5	9185.4	8850.7	8486.3	8157.2	7783.0
70°	9720.0	9641.2	9371.1	9036.3	8717.0	8342.9	7979.9	7595.9	7185.2	6902.4	6472.0
72.5°	7987.0	7721.1	7255.5	6905.3	6563.4	6073.9	5847.5	5370.6	5082.2	4902.2	4577.2
75°	4625.1	4402.8	4042.7	3715.0	3549.0	3259.2	3121.4	2771.1	2698.0	2695.1	2582.6
77.5°	1765.3	1540.3	1308.2	1053.6	896.0	711.8	627.4	561.3	510.6	545.8	495.1
80°	1323.7	1088.7	851.0	618.9	441.7	326.3	279.9	258.8	246.2	236.3	229.3
82.5°	986.1	777.9	603.5	393.9	275.7	208.2	180.1	168.8	163.2	153.3	144.9
85°	333.4	267.3	211.0	146.3	115.3	94.2	87.2	84.4	80.2	73.1	68.9
87.5°	18.3	16.9	18.3	14.1	16.9	14.1	15.5	15.5	15.5	14.1	14.1
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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6
2.5°	1405.2	1405.2	1405.2	1402.4	1398.2	1389.8	1381.3	1374.3	1367.3	1363.0	1360.2
5°	1426.3	1423.5	1422.1	1420.7	1410.9	1394.0	1378.5	1364.5	1350.4	1339.1	1334.9
7.5°	1464.3	1458.7	1457.3	1453.1	1440.4	1415.1	1392.6	1370.1	1350.4	1334.9	1327.9
10°	1522.0	1522.0	1513.6	1507.9	1493.9	1460.1	1427.8	1398.2	1371.5	1354.6	1350.4
12.5°	1595.1	1595.1	1588.1	1583.9	1567.0	1523.4	1484.0	1448.9	1423.5	1406.7	1405.2
15°	1671.1	1669.7	1664.1	1658.4	1640.2	1593.7	1554.3	1523.4	1502.3	1482.6	1477.0
17.5°	1738.6	1738.6	1731.6	1726.0	1707.7	1668.3	1633.1	1610.6	1586.7	1545.9	1515.0
20°	1806.1	1807.5	1801.9	1796.3	1780.8	1747.1	1731.6	1709.1	1655.6	1567.0	1493.9
22.5°	1880.7	1886.3	1879.3	1873.7	1861.0	1846.9	1841.3	1787.9	1675.3	1533.3	1426.3
25°	1976.3	1986.2	1977.8	1974.9	1967.9	1972.1	1955.2	1831.5	1647.2	1460.1	1326.5
27.5°	2107.2	2107.2	2108.6	2108.6	2105.8	2121.2	2059.3	1832.9	1585.3	1365.9	1206.9
30°	2260.5	2268.9	2266.1	2266.1	2277.4	2287.2	2117.0	1801.9	1506.5	1249.1	1060.6
32.5°	2444.8	2451.8	2454.6	2441.9	2487.0	2436.3	2138.1	1745.7	1409.5	1104.2	886.2
35°	2667.0	2676.9	2683.9	2685.3	2714.8	2565.7	2126.9	1662.7	1270.2	922.8	694.9
37.5°	2956.8	2976.5	2991.9	2999.0	3000.4	2675.5	2095.9	1552.9	1088.7	720.2	517.6
40°	3342.2	3363.3	3359.1	3373.2	3293.0	2740.2	2025.6	1394.0	863.7	528.9	399.5
42.5°	3713.6	3716.4	3722.0	3709.3	3546.2	2773.9	1927.1	1199.9	647.1	395.3	341.8
45°	4128.5	4104.6	4077.9	4058.2	3779.7	2786.6	1792.1	963.6	457.2	332.0	316.5
47.5°	4518.2	4485.8	4431.0	4374.7	3987.9	2766.9	1619.1	721.6	347.4	303.8	299.6
50°	4900.8	4840.3	4762.9	4698.2	4187.6	2737.3	1427.8	520.5	303.8	289.8	285.6
52.5°	5374.8	5273.5	5172.3	5087.9	4447.8	2690.9	1226.6	395.3	285.6	278.5	272.9
55°	6024.7	5884.0	5720.9	5602.7	4800.9	2620.6	1015.6	334.8	277.1	271.5	263.0
57.5°	6924.9	6713.9	6529.7	6337.0	5283.4	2548.9	834.1	310.9	275.7	267.3	256.0
60°	7844.9	7591.7	7356.8	7081.1	5775.7	2477.1	707.5	308.1	279.9	267.3	250.4
62.5°	8323.2	8061.5	7778.8	7498.9	5988.1	2308.3	620.3	312.3	289.8	271.5	250.4
65°	8213.4	7894.1	7607.2	7321.6	5742.0	1989.0	524.7	317.9	309.5	288.4	254.6
67°	7662.0	7328.7	7053.0	6780.1	5193.4	1665.5	450.1	323.5	330.6	308.1	263.0
67.5°	7467.9	7134.5	6863.1	6597.2	5031.6	1598.0	431.8	326.3	334.8	313.7	265.9
70°	6192.1	5947.3	5659.0	5453.6	4073.7	1183.0	354.5	332.0	360.1	346.0	278.5
72.5°	4456.3	4222.8	4006.1	3892.2	3000.4	827.1	298.2	326.3	375.6	364.3	284.1
75°	2368.8	2354.7	2276.0	2332.2	1856.8	540.2	263.0	305.2	358.7	333.4	264.5
77.5°	478.3	492.3	578.1	569.7	599.2	301.0	225.1	261.6	277.1	244.8	215.2
80°	222.3	218.0	213.8	216.6	212.4	192.7	182.9	205.4	192.7	157.5	143.5
82.5°	137.9	135.0	130.8	129.4	143.5	153.3	160.4	161.8	128.0	109.7	105.5
85°	66.1	66.1	64.7	67.5	84.4	125.2	135.0	119.6	85.8	78.8	74.6
87.5°	12.7	12.7	14.1	12.7	16.9	29.5	33.8	39.4	32.4	33.8	38.0
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):**

	165°	175°	180°
0°	1399.6	1399.6	1399.6
2.5°	1357.4	1354.6	1354.6
5°	1329.3	1327.9	1327.9
7.5°	1322.3	1323.7	1322.3
10°	1349.0	1347.6	1353.2
12.5°	1408.1	1412.3	1410.9
15°	1470.0	1472.8	1472.8
17.5°	1488.2	1478.4	1477.0
20°	1440.4	1422.1	1417.9
22.5°	1350.4	1316.6	1318.0
25°	1236.4	1195.7	1198.5
27.5°	1104.2	1060.6	1059.2
30°	945.3	897.4	873.5
32.5°	754.0	696.3	696.3
35°	566.9	520.5	503.6
37.5°	430.4	403.7	395.3
40°	358.7	346.0	343.2
42.5°	326.3	322.1	320.7
45°	309.5	306.7	305.2
47.5°	294.0	292.6	291.2
50°	282.7	281.3	279.9
52.5°	272.9	270.1	268.7
55°	258.8	258.8	258.8
57.5°	250.4	250.4	249.0
60°	241.9	240.5	240.5
62.5°	234.9	232.1	233.5
65°	230.7	226.5	226.5
67°	227.9	219.4	219.4
67.5°	227.9	216.6	216.6
70°	223.7	205.4	202.6
72.5°	219.4	192.7	188.5
75°	208.2	182.9	178.6
77.5°	178.6	163.2	160.4
80°	137.9	119.6	122.4
82.5°	99.9	85.8	84.4
85°	71.7	61.9	61.9
87.5°	38.0	32.4	33.8
90°	0.0	0.0	0.0

(END OF REPORT)