

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: P149958

Luminaire Tested: **VWM-E05-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149958
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
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-SL2-8030
Description: VISION WALL MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12892.4 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

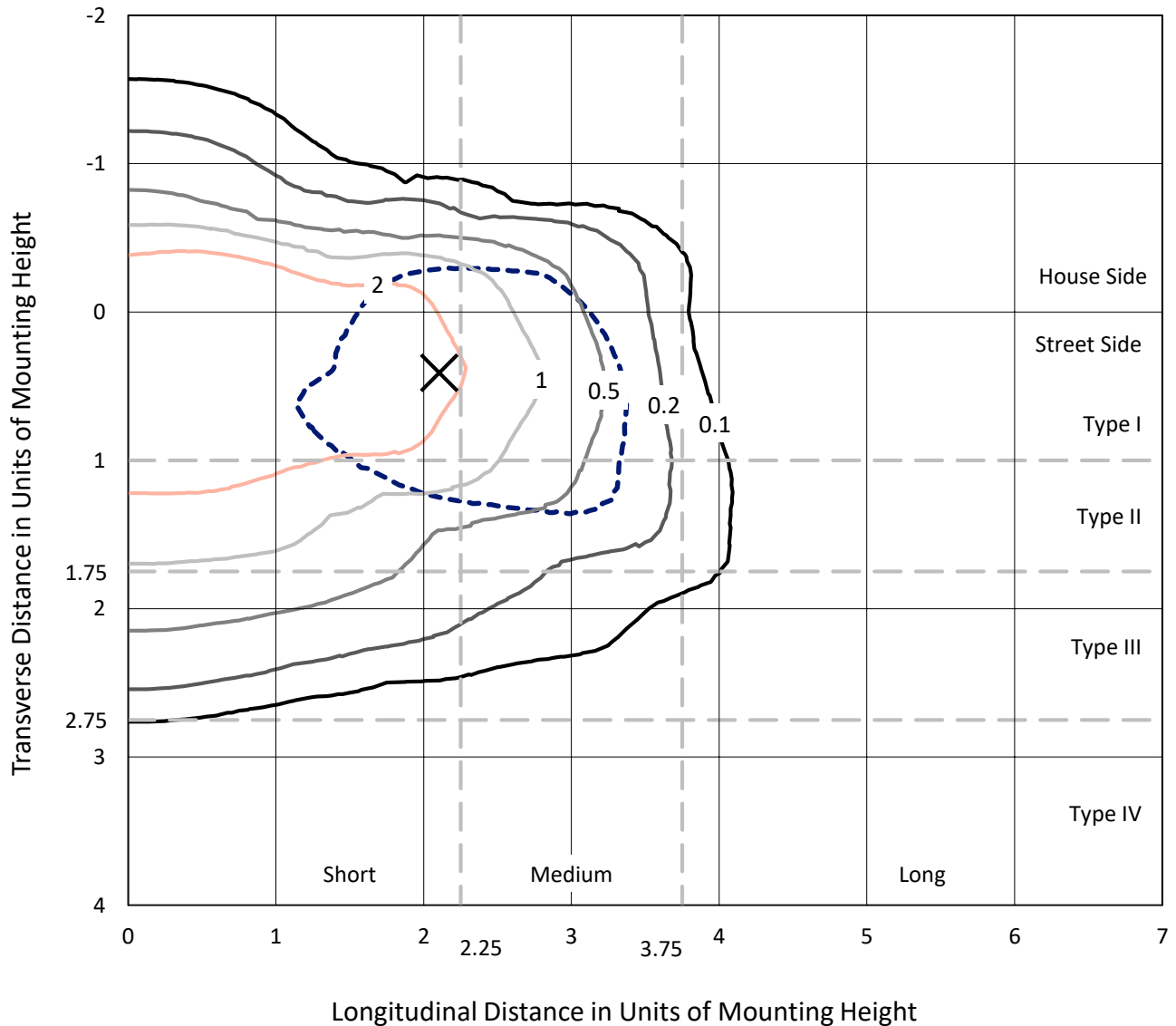
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

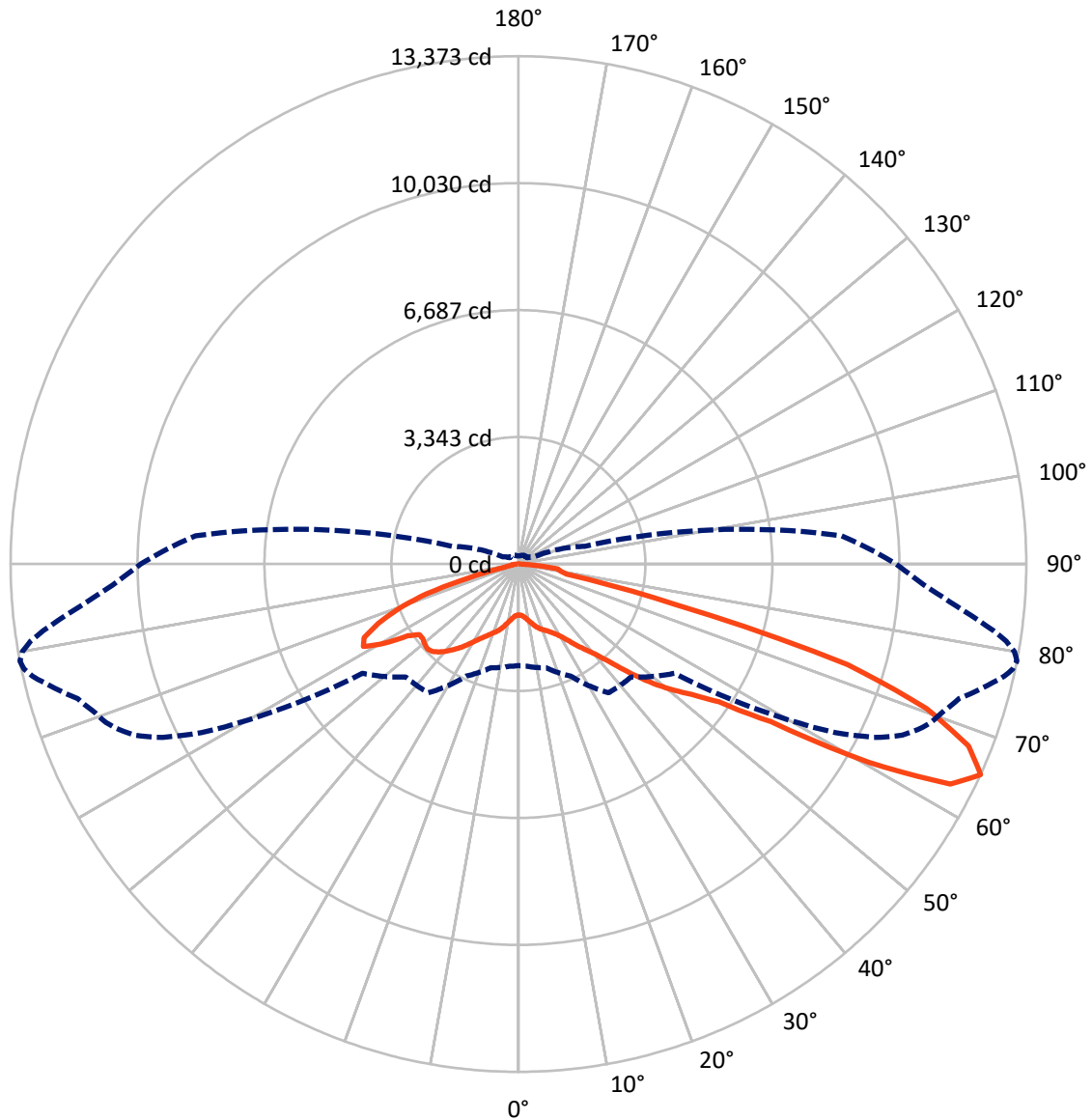
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3047.7	0.0	3047.7
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	9844.6	0.0	9844.6
	% Fixture	76.4	0.0	76.4
Total	Lumens	12892.4	0.0	12892.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	1.0
10°-20°	436.2	3.4
20°-30°	753.4	5.8
30°-40°	1247.1	9.7
40°-50°	2115.0	16.4
50°-60°	2810.2	21.8
60°-70°	3630.1	28.2
70°-80°	1522.5	11.8
80°-90°	244.6	1.9
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°	12892.4	100.0
0°-180°	12892.4	100.0



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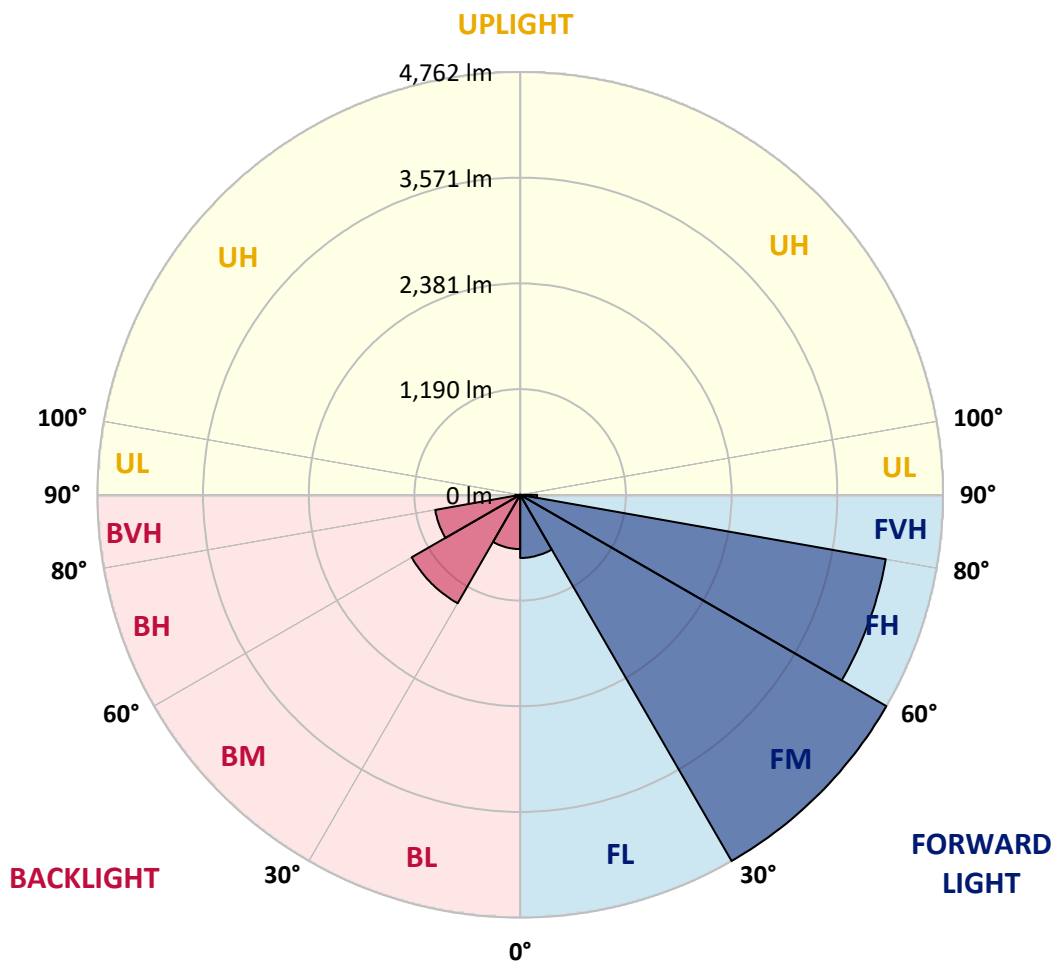
CATALOG NUMBER: VWM-E05-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	711.4	5.5			
FM	(30°-60°)	4761.5	36.9			
FH	(60°-80°)	4180.5	32.4			G2/5000
FVH	(80°-90°)	191.2	1.5			G2/225
BL	(0°-30°)	611.6	4.7	B2/1000		
BM	(30°-60°)	1410.8	10.9	B2/2500		
BH	(60°-80°)	972.0	7.5	B2/1000		G2/1000
BVH	(80°-90°)	53.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1337.7	1341.9	1339.1	1341.9	1344.8	1346.2	1349.0	1347.6	1347.6	1349.0	1346.2
5°	1337.7	1337.7	1341.9	1349.0	1351.8	1360.2	1370.1	1368.7	1370.1	1368.7	1371.5
7.5°	1365.9	1364.5	1368.7	1377.1	1379.9	1392.6	1409.5	1412.3	1415.1	1415.1	1419.3
10°	1415.1	1413.7	1417.9	1422.1	1426.3	1436.2	1460.1	1470.0	1471.4	1472.8	1478.4
12.5°	1477.0	1475.6	1470.0	1470.0	1468.5	1486.8	1519.2	1537.5	1540.3	1545.9	1550.1
15°	1520.6	1516.4	1507.9	1502.3	1509.3	1538.9	1586.7	1607.8	1610.6	1614.8	1626.1
17.5°	1562.8	1558.6	1540.3	1526.2	1536.1	1583.9	1648.6	1671.1	1676.7	1680.9	1693.6
20°	1621.9	1619.1	1592.3	1558.6	1555.8	1617.6	1696.4	1726.0	1730.2	1735.8	1748.5
22.5°	1711.9	1699.2	1668.3	1605.0	1574.0	1637.3	1730.2	1771.0	1776.6	1782.2	1799.1
25°	1824.4	1818.8	1765.3	1668.3	1603.6	1657.0	1766.8	1817.4	1825.8	1832.9	1855.4
27.5°	1941.2	1932.7	1875.1	1748.5	1655.6	1696.4	1824.4	1882.1	1893.4	1904.6	1925.7
30°	2045.3	2042.5	1994.6	1856.8	1740.0	1771.0	1917.3	1987.6	2000.3	2014.3	2034.0
32.5°	2290.0	2291.4	2242.2	2101.5	1944.0	1906.0	2050.9	2156.4	2162.0	2178.9	2214.1
35°	2758.4	2764.1	2745.8	2634.7	2457.4	2301.3	2315.3	2419.4	2425.1	2439.1	2472.9
37.5°	3072.1	3083.4	3139.6	3174.8	3084.8	3013.0	2834.4	2793.6	2797.8	2789.4	2782.4
40°	3245.1	3262.0	3409.7	3592.6	3691.1	3692.5	3615.1	3435.0	3366.1	3346.4	3262.0
42.5°	3343.6	3371.7	3581.3	3893.6	4176.3	4370.5	4418.3	4218.5	4167.9	4077.9	3916.1
45°	3408.3	3442.1	3689.6	4117.3	4533.6	4864.2	5113.2	5024.6	4990.8	4935.9	4786.8
47.5°	3397.1	3423.8	3681.2	4193.2	4720.7	5190.5	5632.2	5723.7	5682.9	5668.8	5567.5
50°	3191.7	3215.6	3477.2	4004.7	4618.0	5314.3	5961.4	6220.2	6220.2	6246.9	6216.0
52.5°	2972.3	2991.9	3229.7	3703.7	4286.1	5193.4	6144.3	6573.3	6629.5	6676.0	6749.1
55°	2889.3	2913.2	3093.2	3498.3	4003.3	4847.3	6206.1	6837.7	6941.8	7020.6	7186.6
57.5°	2928.6	2952.6	3080.6	3387.2	3837.3	4494.3	6209.0	7193.6	7394.8	7556.5	7892.7
60°	3098.9	3121.4	3228.3	3489.9	3793.7	4290.3	6089.4	7760.5	8081.2	8385.0	8944.9
62.5°	3020.1	3048.2	3204.4	3660.1	4118.7	4135.6	5657.6	8199.4	8715.6	9164.3	10054.7
65°	2675.5	2705.0	2827.4	3253.6	4138.4	4203.1	5017.5	8207.8	8849.2	9455.5	10416.3
67.5°	2031.2	2042.5	2139.5	2481.3	3309.9	4277.6	4359.2	7235.8	7846.3	8522.9	9514.6
70°	1038.1	1057.8	1085.9	1370.1	2131.1	3534.9	3745.9	5332.6	6110.5	6809.6	8001.0
72.5°	360.1	367.1	395.3	523.3	1038.1	2319.6	3278.9	3654.5	4124.3	4778.4	6158.3
75°	216.6	216.6	226.5	264.5	474.0	1208.3	2917.4	2984.9	3048.2	3267.7	4170.7
77.5°	171.6	174.4	174.4	181.5	263.0	620.3	2215.5	2775.3	2783.8	2804.9	2956.8
80°	122.4	128.0	139.3	144.9	170.2	340.4	1243.5	2436.3	2602.3	2682.5	2793.6
82.5°	91.4	97.1	118.2	125.2	132.2	189.9	558.4	1680.9	1983.4	2143.7	2534.8
85°	40.8	47.8	80.2	88.6	92.8	101.3	261.6	478.3	550.0	617.5	814.5
87.5°	7.0	7.0	12.7	18.3	26.7	25.3	57.7	81.6	83.0	97.1	108.3
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1346.2	1346.2	1346.2	1344.8	1346.2	1346.2	1346.2	1346.2	1347.6	1347.6	1347.6
5°	1375.7	1372.9	1374.3	1374.3	1374.3	1372.9	1375.7	1374.3	1375.7	1379.9	1378.5
7.5°	1419.3	1422.1	1423.5	1424.9	1424.9	1424.9	1426.3	1429.2	1429.2	1433.4	1432.0
10°	1484.0	1482.6	1484.0	1488.2	1492.5	1493.9	1498.1	1496.7	1499.5	1505.1	1510.7
12.5°	1552.9	1555.8	1560.0	1564.2	1571.2	1572.6	1576.9	1578.3	1586.7	1586.7	1592.3
15°	1630.3	1631.7	1640.2	1641.6	1650.0	1652.8	1659.8	1662.7	1672.5	1673.9	1679.5
17.5°	1700.6	1703.5	1707.7	1711.9	1721.7	1726.0	1731.6	1737.2	1745.7	1748.5	1758.3
20°	1756.9	1762.5	1763.9	1772.4	1780.8	1786.4	1792.1	1797.7	1806.1	1810.4	1820.2
22.5°	1807.5	1813.2	1817.4	1824.4	1830.1	1838.5	1841.3	1851.2	1859.6	1866.6	1875.1
25°	1862.4	1870.8	1875.1	1887.7	1891.9	1900.4	1907.4	1917.3	1928.5	1937.0	1948.2
27.5°	1939.8	1952.4	1958.1	1972.1	1982.0	1986.2	1997.4	2011.5	2021.4	2031.2	2042.5
30°	2046.7	2070.6	2074.8	2084.7	2102.9	2105.8	2119.8	2131.1	2146.6	2156.4	2166.2
32.5°	2212.7	2242.2	2245.0	2256.3	2271.7	2277.4	2288.6	2301.3	2325.2	2329.4	2344.9
35°	2467.3	2479.9	2491.2	2495.4	2508.1	2515.1	2523.5	2537.6	2561.5	2558.7	2575.6
37.5°	2772.5	2776.7	2778.1	2764.1	2766.9	2754.2	2769.7	2772.5	2781.0	2788.0	2804.9
40°	3208.6	3165.0	3159.3	3125.6	3091.8	3073.5	3066.5	3038.4	3045.4	3048.2	3062.3
42.5°	3845.8	3761.4	3691.1	3643.2	3560.2	3519.4	3464.6	3421.0	3387.2	3399.9	3405.5
45°	4653.2	4532.2	4419.7	4273.4	4165.1	4087.7	3990.7	3903.5	3864.1	3845.8	3868.3
47.5°	5459.2	5352.3	5220.1	5069.6	4898.0	4770.0	4608.2	4466.1	4367.7	4331.1	4350.8
50°	6155.5	6057.0	5957.2	5868.6	5668.8	5529.5	5308.7	5124.4	4969.7	4890.9	4869.8
52.5°	6733.6	6681.6	6628.1	6553.6	6393.2	6254.0	6078.1	5896.7	5691.3	5531.0	5476.1
55°	7249.9	7280.8	7254.1	7255.5	7192.2	7103.6	6954.5	6819.4	6676.0	6494.5	6418.6
57.5°	8002.4	8185.3	8221.9	8313.3	8358.3	8406.1	8448.3	8368.2	8331.6	8196.6	8198.0
60°	9188.2	9455.5	9687.6	9898.6	10071.6	10240.4	10417.7	10496.4	10583.6	10624.4	10763.7
62.5°	10450.0	10704.6	11050.7	11333.4	11492.3	11711.8	11904.5	12029.7	12183.0	12346.2	12558.6
65°	10762.3	11068.9	11287.0	11475.5	11633.0	11749.8	11855.3	12004.4	12132.4	12391.2	12641.6
67.5°	9961.9	10206.7	10406.4	10592.1	10714.5	10812.9	10907.2	11005.6	11225.1	11460.0	11711.8
70°	8551.0	8846.4	9177.0	9417.5	9478.0	9562.4	9652.4	9780.4	9890.2	10136.3	10327.6
72.5°	6870.1	7294.9	7574.8	7908.2	7979.9	8107.9	8158.6	8258.5	8278.1	8411.8	8462.4
75°	4788.2	5274.9	5556.3	5801.0	5848.9	5778.5	5806.7	5453.6	5363.6	5290.4	5231.3
77.5°	3160.7	3291.6	3336.6	3297.2	3108.7	2961.0	2803.5	2648.7	2665.6	2540.4	2321.0
80°	2810.5	2840.0	2799.2	2759.9	2651.5	2496.8	2354.7	2209.8	2138.1	2062.2	1949.6
82.5°	2734.5	2848.5	2861.1	2813.3	2727.5	2558.7	2387.1	2171.9	1989.0	1820.2	1648.6
85°	914.3	1112.7	1201.3	1284.3	1309.6	1339.1	1237.9	1100.0	934.0	822.9	644.2
87.5°	116.8	144.9	167.4	143.5	167.4	196.9	142.1	159.0	160.4	99.9	74.6
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°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1349.0	1347.6	1347.6	1347.6	1346.2	1347.6	1347.6	1347.6	1347.6	1347.6	1346.2
5°	1379.9	1379.9	1384.1	1385.6	1382.7	1381.3	1382.7	1384.1	1384.1	1382.7	1384.1
7.5°	1437.6	1439.0	1441.8	1446.0	1443.2	1444.6	1446.0	1444.6	1448.9	1450.3	1448.9
10°	1510.7	1513.6	1520.6	1522.0	1520.6	1526.2	1527.6	1524.8	1527.6	1527.6	1533.3
12.5°	1595.1	1598.0	1606.4	1609.2	1612.0	1613.4	1617.6	1619.1	1623.3	1626.1	1630.3
15°	1686.6	1689.4	1695.0	1704.9	1707.7	1710.5	1713.3	1721.7	1723.1	1728.8	1733.0
17.5°	1763.9	1768.2	1776.6	1783.6	1787.9	1794.9	1797.7	1807.5	1810.4	1818.8	1825.8
20°	1825.8	1832.9	1839.9	1848.3	1855.4	1863.8	1866.6	1876.5	1882.1	1886.3	1894.8
22.5°	1882.1	1890.5	1900.4	1910.2	1915.9	1927.1	1931.3	1935.6	1948.2	1953.8	1962.3
25°	1955.2	1963.7	1974.9	1987.6	1993.2	2007.3	2011.5	2018.5	2032.6	2038.2	2050.9
27.5°	2055.1	2066.4	2074.8	2087.5	2094.5	2104.4	2114.2	2122.6	2135.3	2143.7	2157.8
30°	2180.3	2188.7	2202.8	2212.7	2223.9	2238.0	2249.2	2257.7	2264.7	2277.4	2292.8
32.5°	2364.6	2366.0	2370.2	2394.1	2405.4	2416.6	2432.1	2439.1	2450.4	2463.0	2479.9
35°	2593.9	2606.5	2616.4	2627.6	2640.3	2652.9	2658.6	2679.7	2689.5	2706.4	2723.3
37.5°	2821.7	2823.1	2845.7	2852.7	2863.9	2876.6	2896.3	2917.4	2942.7	2959.6	2986.3
40°	3066.5	3077.8	3105.9	3120.0	3134.0	3165.0	3180.4	3214.2	3256.4	3280.3	3325.3
42.5°	3421.0	3437.9	3488.5	3511.0	3544.8	3595.4	3627.8	3674.2	3691.1	3748.7	3769.8
45°	3885.2	3937.2	4010.4	4058.2	4118.7	4173.5	4201.7	4222.8	4248.1	4293.1	4287.5
47.5°	4387.3	4454.9	4536.5	4634.9	4674.3	4739.0	4775.6	4816.4	4793.9	4782.6	4771.4
50°	4902.2	4981.0	5089.3	5177.9	5238.4	5277.8	5308.7	5303.1	5255.3	5229.9	5159.6
52.5°	5474.7	5521.1	5623.8	5699.8	5736.3	5744.8	5737.7	5695.5	5650.5	5570.3	5487.3
55°	6352.4	6331.3	6372.1	6407.3	6396.0	6435.4	6334.2	6294.8	6183.6	6079.5	5968.4
57.5°	8136.1	8164.2	7936.3	7833.6	7815.4	7851.9	7673.3	7650.8	7382.1	7348.3	7161.3
60°	10744.0	10881.9	10703.2	10603.3	10333.3	10244.6	10044.9	9961.9	9704.5	9496.3	9233.3
62.5°	12704.9	12830.1	12904.6	12762.5	12605.0	12372.9	12070.5	11735.7	11462.8	11143.5	10865.0
65°	12882.1	13135.3	13306.9	13373.0	13261.9	13007.3	12634.5	12212.5	11794.8	11393.9	11042.2
67.5°	12053.6	12280.1	12545.9	12783.6	12797.7	12631.7	12313.8	11884.8	11402.3	10907.2	10495.0
70°	10630.1	10914.2	11146.3	11396.7	11571.1	11475.5	11316.5	10922.6	10421.9	10036.5	9562.4
72.5°	8645.3	8764.8	8821.1	9067.3	9070.1	8895.7	8783.1	8565.1	8161.4	7888.5	7527.0
75°	5048.5	4785.4	4505.5	4262.2	4063.8	3980.8	3612.3	3550.4	3302.8	3149.5	2924.4
77.5°	2081.8	1846.9	1544.5	1292.7	1043.7	931.2	768.0	696.3	603.5	562.7	535.9
80°	1785.0	1562.8	1334.9	1116.9	922.8	728.6	566.9	440.3	346.0	294.0	272.9
82.5°	1457.3	1323.7	1164.7	1046.5	894.6	749.7	633.0	490.9	367.1	270.1	206.8
85°	526.1	431.8	347.4	319.3	254.6	209.6	175.8	150.5	123.8	98.5	87.2
87.5°	59.1	56.3	32.4	30.9	35.2	25.3	29.5	26.7	22.5	19.7	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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1346.2	1346.2	1347.6	1347.6	1349.0	1350.4	1353.2	1351.8	1351.8	1353.2	1353.2
5°	1384.1	1388.4	1387.0	1387.0	1387.0	1388.4	1389.8	1384.1	1378.5	1372.9	1370.1
7.5°	1450.3	1453.1	1455.9	1453.1	1455.9	1454.5	1451.7	1436.2	1417.9	1395.4	1379.9
10°	1536.1	1536.1	1538.9	1537.5	1543.1	1538.9	1530.4	1495.3	1455.9	1408.1	1372.9
12.5°	1628.9	1638.7	1634.5	1635.9	1647.2	1635.9	1616.2	1564.2	1493.9	1416.5	1354.6
15°	1738.6	1742.8	1745.7	1741.4	1748.5	1738.6	1703.5	1620.5	1517.8	1409.5	1318.0
17.5°	1828.6	1830.1	1831.5	1834.3	1844.1	1832.9	1772.4	1659.8	1523.4	1377.1	1256.1
20°	1899.0	1906.0	1911.6	1911.6	1925.7	1908.8	1828.6	1679.5	1505.1	1323.7	1177.4
22.5°	1972.1	1977.8	1984.8	1986.2	2004.5	1987.6	1875.1	1675.3	1457.3	1247.7	1085.9
25°	2062.2	2067.8	2073.4	2080.4	2105.8	2081.8	1921.5	1658.4	1391.2	1157.7	987.5
27.5°	2166.2	2178.9	2183.1	2194.4	2223.9	2187.3	1960.9	1633.1	1318.0	1053.6	883.4
30°	2305.5	2321.0	2326.6	2342.1	2382.9	2302.7	1983.4	1589.5	1225.2	948.1	772.3
32.5°	2492.6	2513.7	2530.6	2547.4	2593.9	2418.0	1986.2	1526.2	1116.9	829.9	665.3
35°	2737.3	2769.7	2782.4	2793.6	2837.2	2543.2	1973.5	1432.0	984.7	709.0	580.9
37.5°	3011.6	3044.0	3052.4	3058.1	3066.5	2650.1	1942.6	1288.5	835.6	603.5	513.4
40°	3349.2	3377.4	3388.6	3380.2	3335.2	2733.1	1873.7	1121.1	690.7	531.7	471.2
42.5°	3761.4	3803.6	3807.8	3769.8	3620.7	2779.5	1735.8	924.2	576.7	479.7	438.9
45°	4272.0	4269.2	4245.3	4218.5	3931.6	2761.3	1543.1	752.6	505.0	438.9	409.3
47.5°	4730.6	4682.7	4646.2	4567.4	4205.9	2654.4	1294.1	623.1	461.4	407.9	384.0
50°	5106.1	5018.9	4941.6	4855.8	4409.9	2464.5	1046.5	528.9	420.6	381.2	360.1
52.5°	5402.9	5297.4	5207.4	5123.0	4606.8	2253.5	858.1	460.0	381.2	354.5	333.4
55°	5867.1	5761.6	5618.2	5525.3	4907.8	2059.3	735.7	405.1	343.2	326.3	305.2
57.5°	7041.7	6948.9	6777.2	6536.7	5681.5	1986.2	666.8	362.9	312.3	302.4	285.6
60°	9092.6	8942.1	8718.4	8473.7	7254.1	2035.4	611.9	333.4	291.2	282.7	270.1
62.5°	10639.9	10375.5	10122.3	9895.8	8511.6	2034.0	540.2	310.9	275.7	271.5	258.8
65°	10703.2	10434.5	10179.9	9942.2	8539.8	1810.4	455.8	291.2	272.9	271.5	250.4
67.5°	10134.9	9843.7	9597.6	9298.0	7905.4	1415.1	365.7	278.5	284.1	281.3	247.6
70°	9206.5	8826.7	8624.2	8328.8	6957.3	990.3	301.0	282.7	308.1	299.6	251.8
72.5°	7226.0	6939.0	6631.0	6425.6	5446.6	626.0	253.2	285.6	317.9	303.8	263.0
75°	2689.5	2766.9	2640.3	2595.3	2766.9	367.1	225.1	265.9	284.1	263.0	239.1
77.5°	543.0	519.1	492.3	486.7	628.8	226.5	206.8	230.7	218.0	192.7	194.1
80°	260.2	253.2	244.8	243.4	233.5	188.5	191.3	196.9	164.6	149.1	159.0
82.5°	173.0	163.2	160.4	154.7	157.5	168.8	181.5	168.8	126.6	118.2	143.5
85°	80.2	77.4	76.0	76.0	84.4	151.9	150.5	123.8	87.2	84.4	143.5
87.5°	19.7	19.7	21.1	19.7	22.5	45.0	39.4	38.0	32.4	36.6	67.5
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°	1341.9	1341.9	1341.9
2.5°	1351.8	1353.2	1351.8
5°	1364.5	1364.5	1364.5
7.5°	1364.5	1360.2	1358.8
10°	1344.8	1332.1	1332.1
12.5°	1311.0	1289.9	1287.1
15°	1247.7	1219.6	1215.3
17.5°	1167.5	1129.5	1122.5
20°	1077.5	1029.7	1021.2
22.5°	979.0	924.2	920.0
25°	882.0	825.7	814.5
27.5°	773.7	718.8	713.2
30°	665.3	617.5	614.7
32.5°	573.9	544.4	538.7
35°	509.2	492.3	485.3
37.5°	467.0	454.3	452.9
40°	434.7	423.4	422.0
42.5°	407.9	398.1	396.7
45°	381.2	372.8	369.9
47.5°	354.5	346.0	344.6
50°	330.6	319.3	317.9
52.5°	308.1	296.8	294.0
55°	287.0	275.7	275.7
57.5°	268.7	257.4	256.0
60°	251.8	240.5	239.1
62.5°	239.1	225.1	223.7
65°	229.3	215.2	212.4
67.5°	223.7	206.8	202.6
70°	233.5	202.6	195.5
72.5°	234.9	198.3	188.5
75°	226.5	187.1	180.1
77.5°	198.3	167.4	160.4
80°	171.6	129.4	119.6
82.5°	163.2	105.5	91.4
85°	126.6	68.9	64.7
87.5°	71.7	38.0	30.9
90°	0.0	0.0	0.0

(END OF REPORT)