

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: P149960

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149960
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
Description: VISION WALL MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15275.5 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

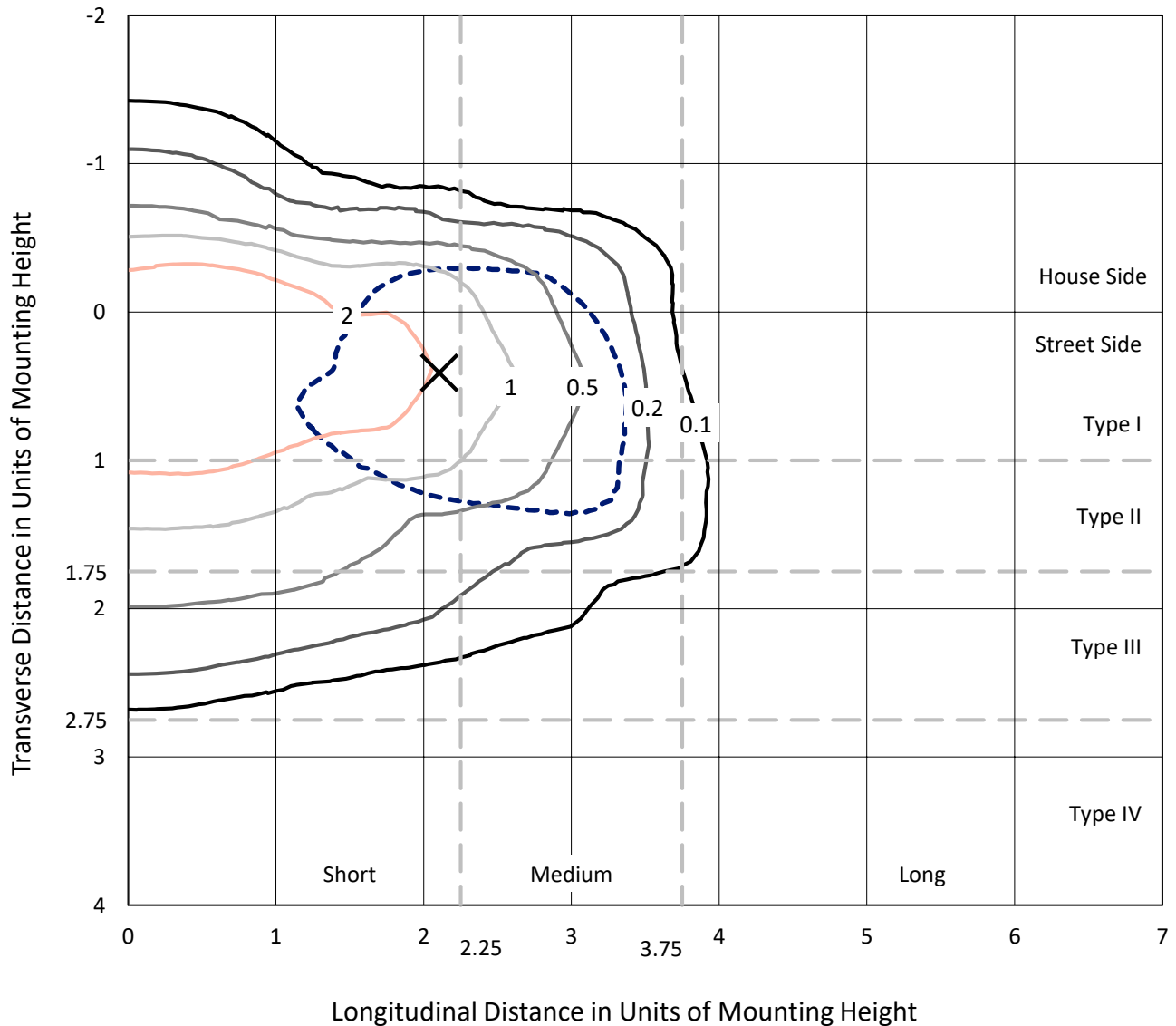
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

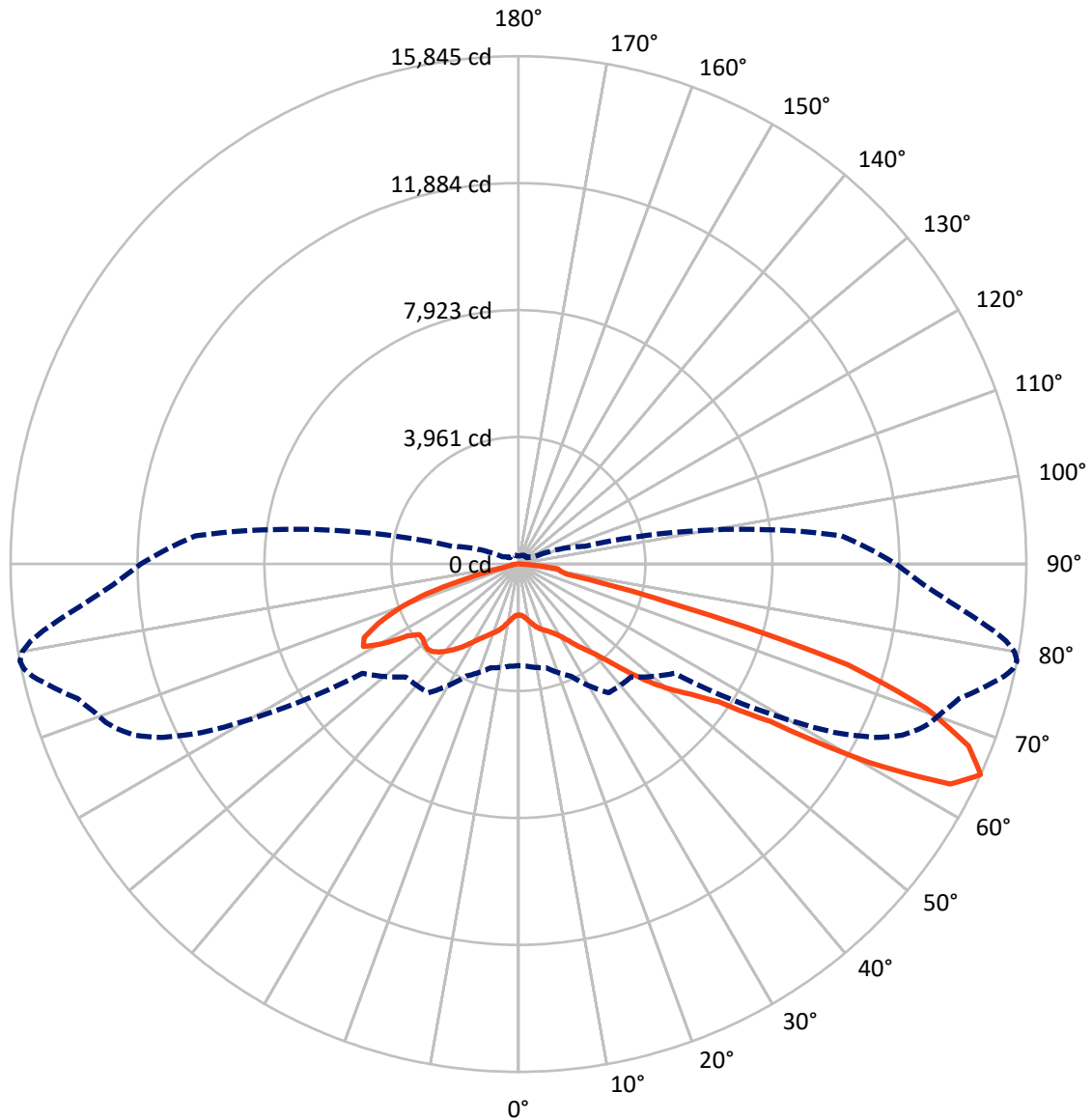
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	3611.1	0.0	3611.1
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	11664.4	0.0	11664.4
	% Fixture	76.4	0.0	76.4
Total	Lumens	15275.5	0.0	15275.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	1.0
10°-20°	516.8	3.4
20°-30°	892.7	5.8
30°-40°	1477.6	9.7
40°-50°	2506.0	16.4
50°-60°	3329.6	21.8
60°-70°	4301.1	28.2
70°-80°	1803.9	11.8
80°-90°	289.8	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°	15275.5	100.0
0°-180°	15275.5	100.0



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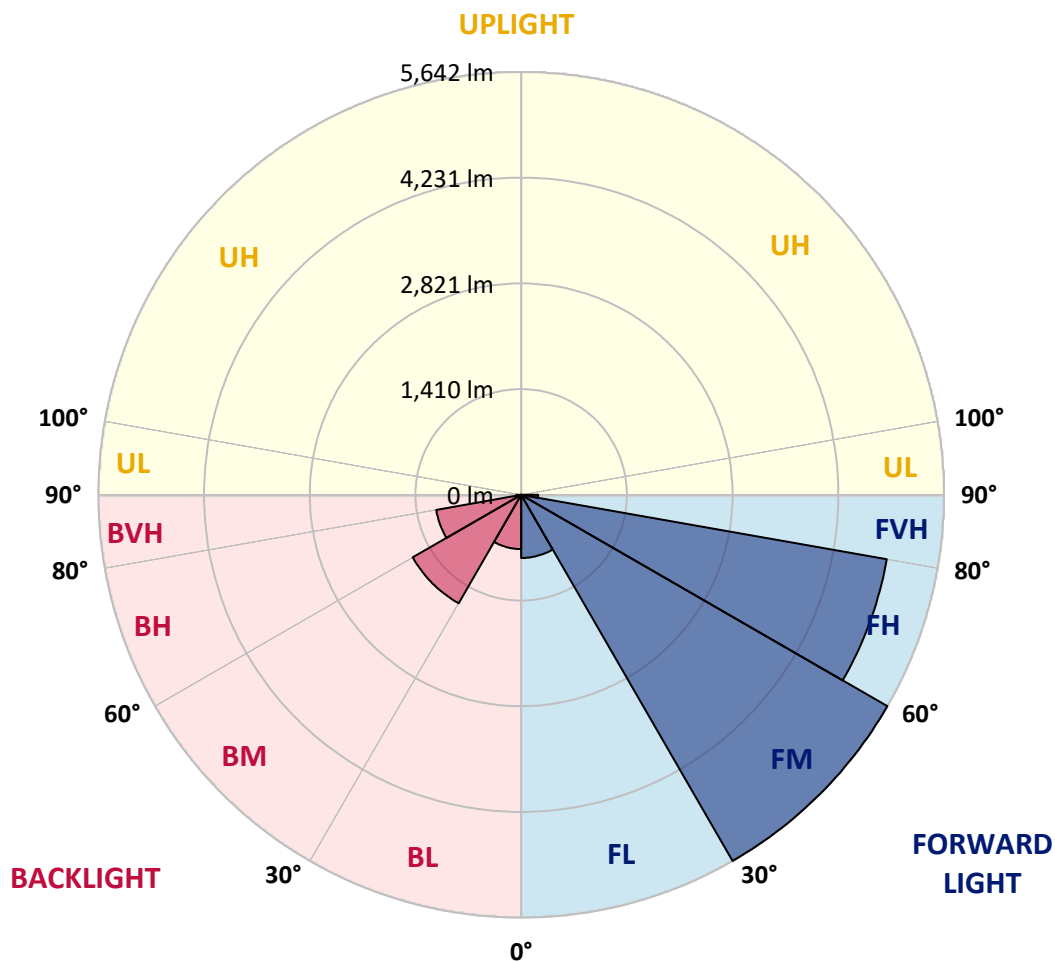
CATALOG NUMBER: VWM-E05-LED-E1-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	842.9	5.5			
FM (30°-60°)	5641.7	36.9			
FH (60°-80°)	4953.3	32.4			G2/5000
FVH (80°-90°)	226.6	1.5			G3/500
BL (0°-30°)	724.7	4.7	B2/1000		
BM (30°-60°)	1671.6	10.9	B2/2500		
BH (60°-80°)	1151.7	7.5	B3/2500		G3/2500
BVH (80°-90°)	63.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0
2.5°	1585.0	1590.0	1586.7	1590.0	1593.3	1595.0	1598.3	1596.7	1596.7	1598.3	1595.0
5°	1585.0	1585.0	1590.0	1598.3	1601.7	1611.7	1623.3	1621.7	1623.3	1621.7	1625.0
7.5°	1618.3	1616.7	1621.7	1631.7	1635.0	1650.0	1670.0	1673.3	1676.7	1676.7	1681.7
10°	1676.7	1675.0	1680.0	1685.0	1690.0	1701.7	1730.0	1741.7	1743.3	1745.0	1751.7
12.5°	1750.0	1748.3	1741.7	1741.7	1740.0	1761.7	1800.0	1821.7	1825.0	1831.7	1836.7
15°	1801.7	1796.7	1786.7	1780.0	1788.3	1823.3	1880.0	1905.0	1908.3	1913.3	1926.7
17.5°	1851.7	1846.7	1825.0	1808.3	1820.0	1876.7	1953.3	1980.0	1986.7	1991.7	2006.7
20°	1921.7	1918.3	1886.7	1846.7	1843.3	1916.7	2010.0	2045.0	2050.0	2056.7	2071.7
22.5°	2028.3	2013.3	1976.7	1901.7	1865.0	1940.0	2050.0	2098.3	2105.0	2111.7	2131.7
25°	2161.7	2155.0	2091.7	1976.7	1900.0	1963.3	2093.3	2153.3	2163.3	2171.7	2198.3
27.5°	2300.0	2290.0	2221.7	2071.7	1961.7	2010.0	2161.7	2230.0	2243.3	2256.7	2281.7
30°	2423.3	2420.0	2363.3	2200.0	2061.7	2098.3	2271.7	2355.0	2370.0	2386.7	2410.0
32.5°	2713.3	2715.0	2656.7	2490.0	2303.3	2258.3	2430.0	2555.0	2561.7	2581.7	2623.3
35°	3268.3	3275.0	3253.3	3121.7	2911.7	2726.7	2743.3	2866.7	2873.3	2890.0	2930.0
37.5°	3640.0	3653.3	3720.0	3761.7	3655.0	3570.0	3358.3	3310.0	3315.0	3305.0	3296.7
40°	3845.0	3865.0	4040.0	4256.7	4373.3	4375.0	4283.3	4070.0	3988.3	3965.0	3865.0
42.5°	3961.7	3995.0	4243.3	4613.3	4948.3	5178.3	5235.0	4998.3	4938.3	4831.7	4640.0
45°	4038.3	4078.3	4371.7	4878.3	5371.7	5763.3	6058.3	5953.3	5913.3	5848.3	5671.7
47.5°	4025.0	4056.7	4361.7	4968.3	5593.3	6150.0	6673.3	6781.7	6733.3	6716.7	6596.7
50°	3781.7	3810.0	4120.0	4745.0	5471.7	6296.7	7063.3	7370.0	7370.0	7401.7	7365.0
52.5°	3521.7	3545.0	3826.7	4388.3	5078.3	6153.3	7280.0	7788.3	7855.0	7910.0	7996.7
55°	3423.3	3451.7	3665.0	4145.0	4743.3	5743.3	7353.3	8101.7	8225.0	8318.3	8515.0
57.5°	3470.0	3498.3	3650.0	4013.3	4546.7	5325.0	7356.7	8523.3	8761.7	8953.3	9351.7
60°	3671.7	3698.3	3825.0	4135.0	4495.0	5083.3	7215.0	9195.0	9575.0	9935.0	10598.3
62.5°	3578.3	3611.7	3796.7	4336.7	4880.0	4900.0	6703.3	9715.0	10326.7	10858.3	11913.3
65°	3170.0	3205.0	3350.0	3855.0	4903.3	4980.0	5945.0	9725.0	10485.0	11203.3	12341.7
67.5°	2406.7	2420.0	2535.0	2940.0	3921.7	5068.3	5165.0	8573.3	9296.7	10098.3	11273.3
70°	1230.0	1253.3	1286.7	1623.3	2525.0	4188.3	4438.3	6318.3	7240.0	8068.3	9480.0
72.5°	426.7	435.0	468.3	620.0	1230.0	2748.3	3885.0	4330.0	4886.7	5661.7	7296.7
75°	256.7	256.7	268.3	313.3	561.7	1431.7	3456.7	3536.7	3611.7	3871.7	4941.7
77.5°	203.3	206.7	206.7	215.0	311.7	735.0	2625.0	3288.3	3298.3	3323.3	3503.3
80°	145.0	151.7	165.0	171.7	201.7	403.3	1473.3	2886.7	3083.3	3178.3	3310.0
82.5°	108.3	115.0	140.0	148.3	156.7	225.0	661.7	1991.7	2350.0	2540.0	3003.3
85°	48.3	56.7	95.0	105.0	110.0	120.0	310.0	566.7	651.7	731.7	965.0
87.5°	8.3	8.3	15.0	21.7	31.7	30.0	68.3	96.7	98.3	115.0	128.3
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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CATALOG NUMBER: VWM-E05-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0
2.5°	1595.0	1595.0	1595.0	1593.3	1595.0	1595.0	1595.0	1595.0	1596.7	1596.7	1596.7
5°	1630.0	1626.7	1628.3	1628.3	1628.3	1626.7	1630.0	1628.3	1630.0	1635.0	1633.3
7.5°	1681.7	1685.0	1686.7	1688.3	1688.3	1688.3	1690.0	1693.3	1693.3	1698.3	1696.7
10°	1758.3	1756.7	1758.3	1763.3	1768.3	1770.0	1775.0	1773.3	1776.7	1783.3	1790.0
12.5°	1840.0	1843.3	1848.3	1853.3	1861.7	1863.3	1868.3	1870.0	1880.0	1880.0	1886.7
15°	1931.7	1933.3	1943.3	1945.0	1955.0	1958.3	1966.7	1970.0	1981.7	1983.3	1990.0
17.5°	2015.0	2018.3	2023.3	2028.3	2040.0	2045.0	2051.7	2058.3	2068.3	2071.7	2083.3
20°	2081.7	2088.3	2090.0	2100.0	2110.0	2116.7	2123.3	2130.0	2140.0	2145.0	2156.7
22.5°	2141.7	2148.3	2153.3	2161.7	2168.3	2178.3	2181.7	2193.3	2203.3	2211.7	2221.7
25°	2206.7	2216.7	2221.7	2236.7	2241.7	2251.7	2260.0	2271.7	2285.0	2295.0	2308.3
27.5°	2298.3	2313.3	2320.0	2336.7	2348.3	2353.3	2366.7	2383.3	2395.0	2406.7	2420.0
30°	2425.0	2453.3	2458.3	2470.0	2491.7	2495.0	2511.7	2525.0	2543.3	2555.0	2566.7
32.5°	2621.7	2656.7	2660.0	2673.3	2691.7	2698.3	2711.7	2726.7	2755.0	2760.0	2778.3
35°	2923.3	2938.3	2951.7	2956.7	2971.7	2980.0	2990.0	3006.7	3035.0	3031.7	3051.7
37.5°	3285.0	3290.0	3291.7	3275.0	3278.3	3263.3	3281.7	3285.0	3295.0	3303.3	3323.3
40°	3801.7	3750.0	3743.3	3703.3	3663.3	3641.7	3633.3	3600.0	3608.3	3611.7	3628.3
42.5°	4556.7	4456.7	4373.3	4316.7	4218.3	4170.0	4105.0	4053.3	4013.3	4028.3	4035.0
45°	5513.3	5370.0	5236.7	5063.3	4935.0	4843.3	4728.3	4625.0	4578.3	4556.7	4583.3
47.5°	6468.3	6341.7	6185.0	6006.7	5803.3	5651.7	5460.0	5291.7	5175.0	5131.7	5155.0
50°	7293.3	7176.7	7058.3	6953.3	6716.7	6551.7	6290.0	6071.7	5888.3	5795.0	5770.0
52.5°	7978.3	7916.7	7853.3	7765.0	7575.0	7410.0	7201.7	6986.7	6743.3	6553.3	6488.3
55°	8590.0	8626.7	8595.0	8596.7	8521.7	8416.7	8240.0	8080.0	7910.0	7695.0	7605.0
57.5°	9481.7	9698.3	9741.7	9850.0	9903.3	9960.0	10010.0	9915.0	9871.7	9711.7	9713.3
60°	10886.7	11203.3	11478.3	11728.3	11933.3	12133.3	12343.3	12436.7	12540.0	12588.3	12753.3
62.5°	12381.7	12683.3	13093.3	13428.3	13616.7	13876.7	14105.0	14253.3	14435.0	14628.3	14880.0
65°	12751.7	13115.0	13373.3	13596.7	13783.3	13921.7	14046.7	14223.3	14375.0	14681.7	14978.3
67.5°	11803.3	12093.3	12330.0	12550.0	12695.0	12811.7	12923.3	13040.0	13300.0	13578.3	13876.7
70°	10131.7	10481.7	10873.3	11158.3	11230.0	11330.0	11436.7	11588.3	11718.3	12010.0	12236.7
72.5°	8140.0	8643.3	8975.0	9370.0	9455.0	9606.7	9666.7	9785.0	9808.3	9966.7	10026.7
75°	5673.3	6250.0	6583.3	6873.3	6930.0	6846.7	6880.0	6461.7	6355.0	6268.3	6198.3
77.5°	3745.0	3900.0	3953.3	3906.7	3683.3	3508.3	3321.7	3138.3	3158.3	3010.0	2750.0
80°	3330.0	3365.0	3316.7	3270.0	3141.7	2958.3	2790.0	2618.3	2533.3	2443.3	2310.0
82.5°	3240.0	3375.0	3390.0	3333.3	3231.7	3031.7	2828.3	2573.3	2356.7	2156.7	1953.3
85°	1083.3	1318.3	1423.3	1521.7	1551.7	1586.7	1466.7	1303.3	1106.7	975.0	763.3
87.5°	138.3	171.7	198.3	170.0	198.3	233.3	168.3	188.3	190.0	118.3	88.3
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0
2.5°	1598.3	1596.7	1596.7	1596.7	1595.0	1596.7	1596.7	1596.7	1596.7	1596.7	1595.0
5°	1635.0	1635.0	1640.0	1641.7	1638.3	1636.7	1638.3	1640.0	1640.0	1638.3	1640.0
7.5°	1703.3	1705.0	1708.3	1713.3	1710.0	1711.7	1713.3	1711.7	1716.7	1718.3	1716.7
10°	1790.0	1793.3	1801.7	1803.3	1801.7	1808.3	1810.0	1806.7	1810.0	1810.0	1816.7
12.5°	1890.0	1893.3	1903.3	1906.7	1910.0	1911.7	1916.7	1918.3	1923.3	1926.7	1931.7
15°	1998.3	2001.7	2008.3	2020.0	2023.3	2026.7	2030.0	2040.0	2041.7	2048.3	2053.3
17.5°	2090.0	2095.0	2105.0	2113.3	2118.3	2126.7	2130.0	2141.7	2145.0	2155.0	2163.3
20°	2163.3	2171.7	2180.0	2190.0	2198.3	2208.3	2211.7	2223.3	2230.0	2235.0	2245.0
22.5°	2230.0	2240.0	2251.7	2263.3	2270.0	2283.3	2288.3	2293.3	2308.3	2315.0	2325.0
25°	2316.7	2326.7	2340.0	2355.0	2361.7	2378.3	2383.3	2391.7	2408.3	2415.0	2430.0
27.5°	2435.0	2448.3	2458.3	2473.3	2481.7	2493.3	2505.0	2515.0	2530.0	2540.0	2556.7
30°	2583.3	2593.3	2610.0	2621.7	2635.0	2651.7	2665.0	2675.0	2683.3	2698.3	2716.7
32.5°	2801.7	2803.3	2808.3	2836.7	2850.0	2863.3	2881.7	2890.0	2903.3	2918.3	2938.3
35°	3073.3	3088.3	3100.0	3113.3	3128.3	3143.3	3150.0	3175.0	3186.7	3206.7	3226.7
37.5°	3343.3	3345.0	3371.7	3380.0	3393.3	3408.3	3431.7	3456.7	3486.7	3506.7	3538.3
40°	3633.3	3646.7	3680.0	3696.7	3713.3	3750.0	3768.3	3808.3	3858.3	3886.7	3940.0
42.5°	4053.3	4073.3	4133.3	4160.0	4200.0	4260.0	4298.3	4353.3	4373.3	4441.7	4466.7
45°	4603.3	4665.0	4751.7	4808.3	4880.0	4945.0	4978.3	5003.3	5033.3	5086.7	5080.0
47.5°	5198.3	5278.3	5375.0	5491.7	5538.3	5615.0	5658.3	5706.7	5680.0	5666.7	5653.3
50°	5808.3	5901.7	6030.0	6135.0	6206.7	6253.3	6290.0	6283.3	6226.7	6196.7	6113.3
52.5°	6486.7	6541.7	6663.3	6753.3	6796.7	6806.7	6798.3	6748.3	6695.0	6600.0	6501.7
55°	7526.7	7501.7	7550.0	7591.7	7578.3	7625.0	7505.0	7458.3	7326.7	7203.3	7071.7
57.5°	9640.0	9673.3	9403.3	9281.7	9260.0	9303.3	9091.7	9065.0	8746.7	8706.7	8485.0
60°	12730.0	12893.3	12681.7	12563.3	12243.3	12138.3	11901.7	11803.3	11498.3	11251.7	10940.0
62.5°	15053.3	15201.7	15290.0	15121.7	14935.0	14660.0	14301.7	13905.0	13581.7	13203.3	12873.3
65°	15263.3	15563.3	15766.7	15845.0	15713.3	15411.7	14970.0	14470.0	13975.0	13500.0	13083.3
67.5°	14281.7	14550.0	14865.0	15146.7	15163.3	14966.7	14590.0	14081.7	13510.0	12923.3	12435.0
70°	12595.0	12931.7	13206.7	13503.3	13710.0	13596.7	13408.3	12941.7	12348.3	11891.7	11330.0
72.5°	10243.3	10385.0	10451.7	10743.3	10746.7	10540.0	10406.7	10148.3	9670.0	9346.7	8918.3
75°	5981.7	5670.0	5338.3	5050.0	4815.0	4716.7	4280.0	4206.7	3913.3	3731.7	3465.0
77.5°	2466.7	2188.3	1830.0	1531.7	1236.7	1103.3	910.0	825.0	715.0	666.7	635.0
80°	2115.0	1851.7	1581.7	1323.3	1093.3	863.3	671.7	521.7	410.0	348.3	323.3
82.5°	1726.7	1568.3	1380.0	1240.0	1060.0	888.3	750.0	581.7	435.0	320.0	245.0
85°	623.3	511.7	411.7	378.3	301.7	248.3	208.3	178.3	146.7	116.7	103.3
87.5°	70.0	66.7	38.3	36.7	41.7	30.0	35.0	31.7	26.7	23.3	25.0
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0	1590.0
2.5°	1595.0	1595.0	1596.7	1596.7	1598.3	1600.0	1603.3	1601.7	1601.7	1603.3	1603.3
5°	1640.0	1645.0	1643.3	1643.3	1643.3	1645.0	1646.7	1640.0	1633.3	1626.7	1623.3
7.5°	1718.3	1721.7	1725.0	1721.7	1725.0	1723.3	1720.0	1701.7	1680.0	1653.3	1635.0
10°	1820.0	1820.0	1823.3	1821.7	1828.3	1823.3	1813.3	1771.7	1725.0	1668.3	1626.7
12.5°	1930.0	1941.7	1936.7	1938.3	1951.7	1938.3	1915.0	1853.3	1770.0	1678.3	1605.0
15°	2060.0	2065.0	2068.3	2063.3	2071.7	2060.0	2018.3	1920.0	1798.3	1670.0	1561.7
17.5°	2166.7	2168.3	2170.0	2173.3	2185.0	2171.7	2100.0	1966.7	1805.0	1631.7	1488.3
20°	2250.0	2258.3	2265.0	2265.0	2281.7	2261.7	2166.7	1990.0	1783.3	1568.3	1395.0
22.5°	2336.7	2343.3	2351.7	2353.3	2375.0	2355.0	2221.7	1985.0	1726.7	1478.3	1286.7
25°	2443.3	2450.0	2456.7	2465.0	2495.0	2466.7	2276.7	1965.0	1648.3	1371.7	1170.0
27.5°	2566.7	2581.7	2586.7	2600.0	2635.0	2591.7	2323.3	1935.0	1561.7	1248.3	1046.7
30°	2731.7	2750.0	2756.7	2775.0	2823.3	2728.3	2350.0	1883.3	1451.7	1123.3	915.0
32.5°	2953.3	2978.3	2998.3	3018.3	3073.3	2865.0	2353.3	1808.3	1323.3	983.3	788.3
35°	3243.3	3281.7	3296.7	3310.0	3361.7	3013.3	2338.3	1696.7	1166.7	840.0	688.3
37.5°	3568.3	3606.7	3616.7	3623.3	3633.3	3140.0	2301.7	1526.7	990.0	715.0	608.3
40°	3968.3	4001.7	4015.0	4005.0	3951.7	3238.3	2220.0	1328.3	818.3	630.0	558.3
42.5°	4456.7	4506.7	4511.7	4466.7	4290.0	3293.3	2056.7	1095.0	683.3	568.3	520.0
45°	5061.7	5058.3	5030.0	4998.3	4658.3	3271.7	1828.3	891.7	598.3	520.0	485.0
47.5°	5605.0	5548.3	5505.0	5411.7	4983.3	3145.0	1533.3	738.3	546.7	483.3	455.0
50°	6050.0	5946.7	5855.0	5753.3	5225.0	2920.0	1240.0	626.7	498.3	451.7	426.7
52.5°	6401.7	6276.7	6170.0	6070.0	5458.3	2670.0	1016.7	545.0	451.7	420.0	395.0
55°	6951.7	6826.7	6656.7	6546.7	5815.0	2440.0	871.7	480.0	406.7	386.7	361.7
57.5°	8343.3	8233.3	8030.0	7745.0	6731.7	2353.3	790.0	430.0	370.0	358.3	338.3
60°	10773.3	10595.0	10330.0	10040.0	8595.0	2411.7	725.0	395.0	345.0	335.0	320.0
62.5°	12606.7	12293.3	11993.3	11725.0	10085.0	2410.0	640.0	368.3	326.7	321.7	306.7
65°	12681.7	12363.3	12061.7	11780.0	10118.3	2145.0	540.0	345.0	323.3	321.7	296.7
67.5°	12008.3	11663.3	11371.7	11016.7	9366.7	1676.7	433.3	330.0	336.7	333.3	293.3
70°	10908.3	10458.3	10218.3	9868.3	8243.3	1173.3	356.7	335.0	365.0	355.0	298.3
72.5°	8561.7	8221.7	7856.7	7613.3	6453.3	741.7	300.0	338.3	376.7	360.0	311.7
75°	3186.7	3278.3	3128.3	3075.0	3278.3	435.0	266.7	315.0	336.7	311.7	283.3
77.5°	643.3	615.0	583.3	576.7	745.0	268.3	245.0	273.3	258.3	228.3	230.0
80°	308.3	300.0	290.0	288.3	276.7	223.3	226.7	233.3	195.0	176.7	188.3
82.5°	205.0	193.3	190.0	183.3	186.7	200.0	215.0	200.0	150.0	140.0	170.0
85°	95.0	91.7	90.0	90.0	100.0	180.0	178.3	146.7	103.3	100.0	170.0
87.5°	23.3	23.3	25.0	23.3	26.7	53.3	46.7	45.0	38.3	43.3	80.0
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°	1590.0	1590.0	1590.0
2.5°	1601.7	1603.3	1601.7
5°	1616.7	1616.7	1616.7
7.5°	1616.7	1611.7	1610.0
10°	1593.3	1578.3	1578.3
12.5°	1553.3	1528.3	1525.0
15°	1478.3	1445.0	1440.0
17.5°	1383.3	1338.3	1330.0
20°	1276.7	1220.0	1210.0
22.5°	1160.0	1095.0	1090.0
25°	1045.0	978.3	965.0
27.5°	916.7	851.7	845.0
30°	788.3	731.7	728.3
32.5°	680.0	645.0	638.3
35°	603.3	583.3	575.0
37.5°	553.3	538.3	536.7
40°	515.0	501.7	500.0
42.5°	483.3	471.7	470.0
45°	451.7	441.7	438.3
47.5°	420.0	410.0	408.3
50°	391.7	378.3	376.7
52.5°	365.0	351.7	348.3
55°	340.0	326.7	326.7
57.5°	318.3	305.0	303.3
60°	298.3	285.0	283.3
62.5°	283.3	266.7	265.0
65°	271.7	255.0	251.7
67.5°	265.0	245.0	240.0
70°	276.7	240.0	231.7
72.5°	278.3	235.0	223.3
75°	268.3	221.7	213.3
77.5°	235.0	198.3	190.0
80°	203.3	153.3	141.7
82.5°	193.3	125.0	108.3
85°	150.0	81.7	76.7
87.5°	85.0	45.0	36.7
90°	0.0	0.0	0.0

(END OF REPORT)