

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: P148784

Luminaire Tested: **VWM-F01-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148784
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VWM-F01-LED-E1-RW-7030
Description: VISION WALL MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2355.4 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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: 25 FT

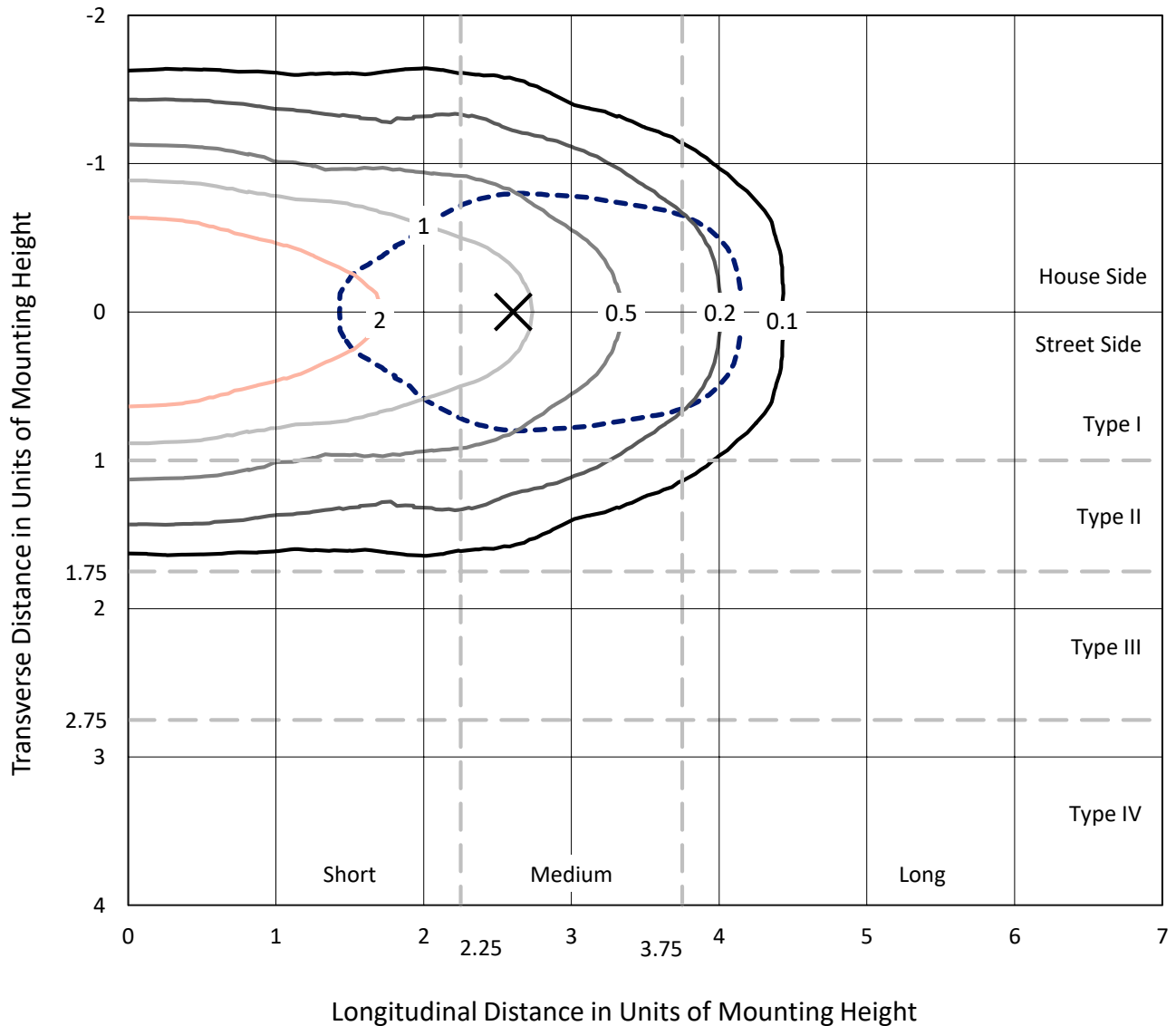


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

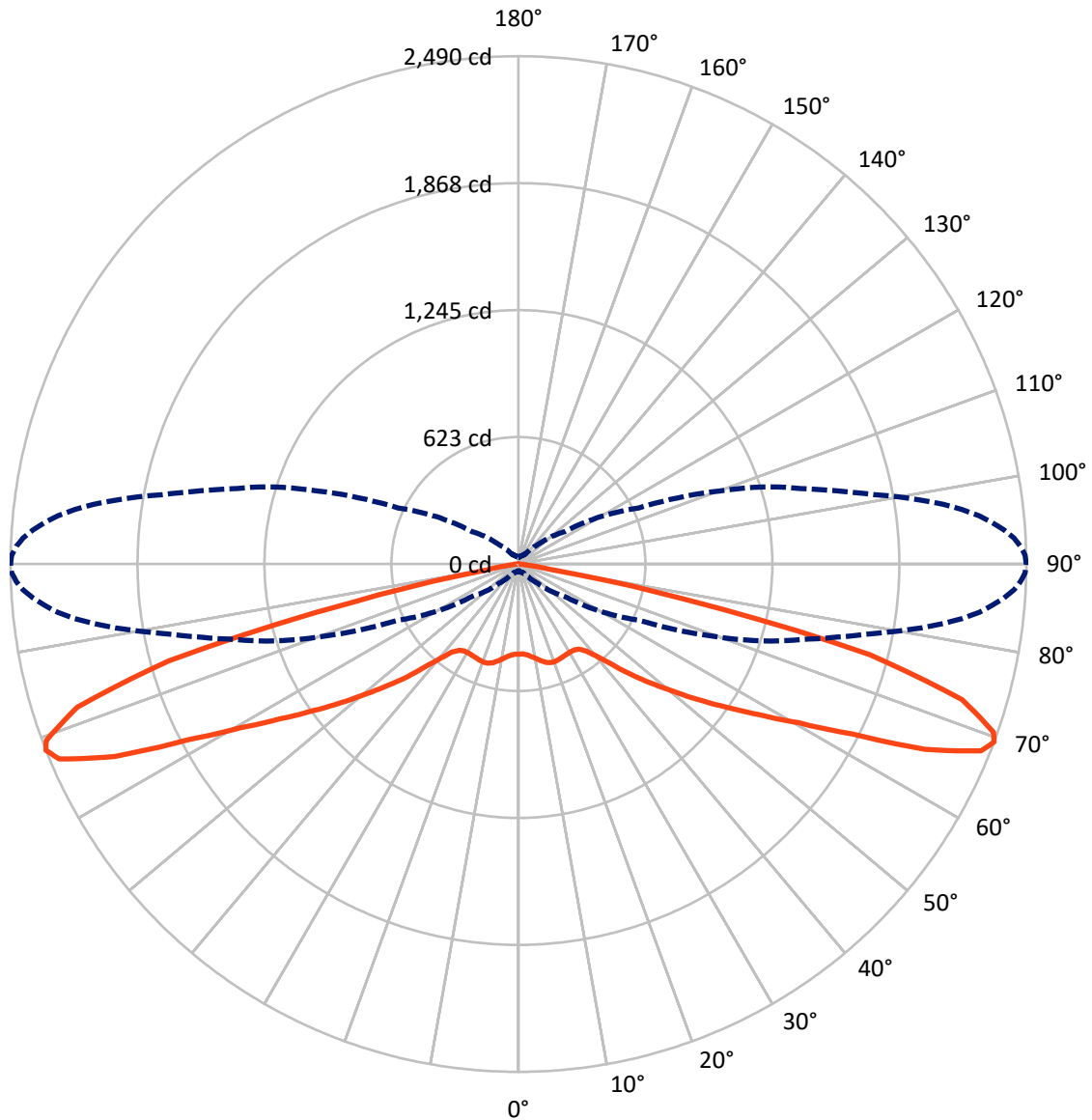


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1177.7	0.0	1177.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1177.7	0.0	1177.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2355.4	0.0	2355.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	1.8
10°-20°	136.6	5.8
20°-30°	221.2	9.4
30°-40°	275.7	11.7
40°-50°	344.6	14.6
50°-60°	425.5	18.1
60°-70°	528.7	22.4
70°-80°	350.9	14.9
80°-90°	29.0	1.2
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°	2355.4	100.0
0°-180°	2355.4	100.0



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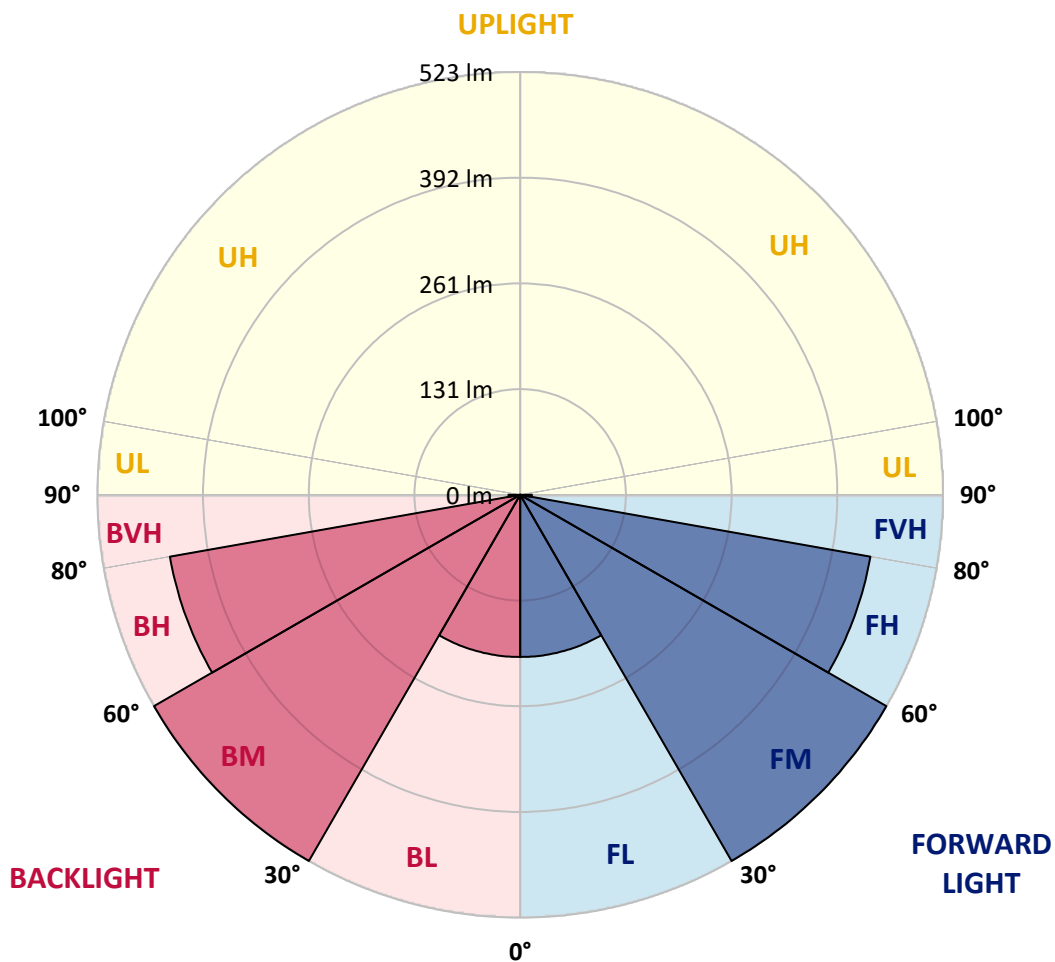
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.5	8.5			
FM (30°-60°)	522.9	22.2			
FH (60°-80°)	439.8	18.7			G0/660
FVH (80°-90°)	14.5	0.6			G1/100
BL (0°-30°)	200.5	8.5	B1/500		
BM (30°-60°)	522.9	22.2	B1/1000		
BH (60°-80°)	439.8	18.7	B1/500		G1/500
BVH (80°-90°)	14.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3
2.5°	443.4	443.8	443.5	444.0	443.8	443.8	443.6	443.1	443.0	443.0	442.9
5°	447.6	447.1	447.9	448.6	448.4	448.5	448.4	448.4	448.3	448.3	448.2
7.5°	452.2	452.0	452.6	454.6	454.8	455.6	456.4	457.0	457.1	457.1	457.1
10°	456.0	456.2	457.4	460.3	461.8	464.2	466.6	468.4	468.6	468.7	468.9
12.5°	459.2	459.4	461.2	465.7	469.4	473.9	479.0	481.9	482.2	482.4	482.7
15°	459.4	459.8	463.0	470.5	477.8	485.2	491.4	495.2	495.4	495.6	495.8
17.5°	456.2	456.4	462.0	472.9	485.1	496.6	503.0	504.8	504.9	505.0	505.0
20°	447.6	448.2	456.0	472.2	490.8	506.0	512.6	510.2	510.0	509.7	509.5
22.5°	433.8	433.7	443.8	465.7	492.0	513.2	519.2	512.8	512.1	511.4	510.6
25°	411.4	413.0	424.8	451.0	485.6	514.8	523.8	514.2	513.2	512.1	511.0
27.5°	387.2	388.0	400.8	428.8	470.6	509.2	526.0	517.0	515.8	514.6	513.4
30°	358.9	360.0	373.6	402.9	446.6	494.6	525.4	523.2	521.9	520.5	519.1
32.5°	331.2	332.5	344.7	376.8	421.4	474.6	521.6	532.2	530.8	529.3	527.9
35°	302.6	304.5	319.4	351.7	397.0	452.4	515.8	543.7	542.9	542.1	541.3
37.5°	278.8	279.2	293.5	327.6	374.4	431.2	508.2	558.0	558.6	559.2	559.8
40°	252.3	254.8	269.0	305.0	353.8	413.2	500.9	577.7	580.7	583.7	586.7
42.5°	228.6	228.8	243.4	280.5	331.6	398.8	496.9	601.3	607.7	614.1	620.6
45°	203.6	204.6	217.8	253.6	306.0	381.7	496.8	628.6	638.8	649.1	659.3
47.5°	180.0	180.4	194.2	227.6	276.6	357.8	495.9	657.9	671.8	685.8	699.8
50°	157.3	157.0	170.6	202.7	247.6	326.5	488.2	691.0	708.7	726.3	743.9
52.5°	131.4	133.2	147.4	178.0	221.2	294.6	465.8	727.4	748.4	769.5	790.6
55°	106.1	106.8	122.0	150.7	194.4	265.0	426.9	760.8	785.6	810.5	835.4
57.5°	78.2	80.4	93.8	122.0	167.2	240.0	377.4	778.2	808.4	838.6	868.9
60°	55.2	56.9	68.8	92.5	137.5	213.8	334.8	768.4	807.8	847.1	886.4
62.5°	43.0	44.4	53.8	69.2	107.2	187.5	304.2	737.2	790.6	844.1	897.6
65°	37.7	39.0	47.6	55.4	80.1	160.8	287.5	704.1	774.8	845.5	916.2
67.5°	34.0	35.6	43.0	48.5	65.2	140.2	283.1	683.2	763.3	843.4	923.5
69°	32.4	34.0	40.6	45.2	60.6	133.0	275.6	650.4	730.1	809.7	889.3
70°	31.4	32.6	38.8	43.6	59.0	127.9	263.0	609.4	687.6	765.8	844.0
72.5°	29.2	29.8	35.2	39.8	54.8	103.4	202.4	452.6	520.4	588.2	656.0
75°	25.8	26.5	31.6	36.0	42.8	64.2	128.0	280.0	330.5	381.1	431.7
77.5°	22.2	22.9	27.2	34.4	33.2	40.0	76.5	155.8	185.2	214.5	243.9
80°	17.8	18.6	22.5	34.2	27.4	31.2	55.0	109.0	116.9	124.8	132.7
82.5°	13.1	13.7	17.6	27.6	21.0	23.5	42.0	92.4	95.1	97.9	100.6
85°	6.6	6.8	11.2	16.8	13.3	12.2	23.6	63.2	65.0	66.7	68.5
87.5°	1.2	1.2	2.5	2.9	3.2	2.0	3.0	10.8	11.1	11.5	11.8
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3
2.5°	442.9	442.8	442.6	442.6	442.8	442.7	442.8	442.9	443.0	442.6	442.4
5°	448.2	448.1	448.1	448.1	448.2	448.1	448.2	448.5	448.4	448.1	448.0
7.5°	457.1	457.2	457.3	457.2	457.4	457.3	457.0	457.4	457.8	457.8	458.0
10°	469.0	469.2	469.6	469.5	470.0	469.9	470.0	470.4	470.7	470.8	471.1
12.5°	482.9	483.2	483.4	483.6	484.1	483.8	484.4	484.7	485.1	485.8	485.4
15°	496.0	496.2	497.0	497.0	497.4	497.6	498.2	498.4	498.5	499.1	499.2
17.5°	505.1	505.2	505.4	505.3	505.7	505.5	506.0	506.1	506.4	506.8	507.3
20°	509.2	509.0	508.9	508.7	508.5	508.1	508.2	508.4	508.4	508.7	509.2
22.5°	509.9	509.2	508.4	507.9	507.1	506.4	505.8	505.8	505.9	505.8	506.1
25°	510.0	508.9	507.7	506.2	505.2	503.7	502.5	502.4	502.1	502.1	502.3
27.5°	512.2	511.0	509.4	507.7	505.4	503.5	501.6	500.8	500.2	499.7	499.6
30°	517.7	516.3	514.3	512.2	509.7	506.7	504.0	503.1	502.1	501.2	500.5
32.5°	526.5	525.0	522.8	520.6	517.3	514.3	511.6	510.2	508.8	507.3	505.9
35°	540.5	539.7	537.7	535.8	533.3	531.0	528.6	527.0	524.6	523.5	521.8
37.5°	560.4	561.0	561.0	561.2	560.5	559.4	557.6	555.9	555.2	552.0	550.0
40°	589.7	592.7	595.5	597.5	599.4	601.3	602.9	602.0	602.3	601.4	600.2
42.5°	627.0	633.4	639.2	645.2	649.4	656.0	660.6	662.1	665.8	667.3	669.9
45°	669.6	679.8	689.7	698.8	707.3	716.7	725.9	732.8	740.3	748.8	757.3
47.5°	713.7	727.6	742.2	754.0	766.3	780.3	792.6	802.9	816.4	828.8	842.6
50°	761.6	779.2	795.7	810.4	826.1	842.3	859.0	874.2	892.4	912.4	934.0
52.5°	811.7	832.8	851.9	870.3	888.7	907.3	925.2	946.6	969.0	995.4	1022.3
55°	860.2	885.0	906.8	927.2	948.4	969.0	987.5	1016.1	1043.7	1075.1	1110.4
57.5°	899.1	929.4	954.4	978.6	1002.5	1024.5	1047.2	1079.5	1114.6	1151.4	1196.0
60°	925.7	965.0	996.9	1026.1	1055.4	1083.1	1109.2	1151.4	1193.2	1238.8	1294.4
62.5°	951.1	1004.6	1046.2	1086.0	1125.5	1161.1	1193.4	1246.6	1301.2	1357.6	1423.7
65°	986.9	1057.6	1119.0	1174.5	1229.2	1281.4	1329.8	1397.2	1466.1	1540.4	1619.3
67.5°	1003.5	1083.6	1163.5	1238.3	1307.8	1373.9	1436.1	1517.6	1598.6	1684.8	1780.1
69°	968.9	1048.5	1133.9	1215.6	1292.4	1362.5	1429.9	1513.0	1597.3	1685.2	1781.5
70°	922.2	1000.4	1086.6	1172.0	1245.4	1318.4	1388.2	1470.7	1556.2	1644.3	1745.0
72.5°	723.8	791.5	875.6	958.4	1032.1	1105.5	1173.2	1257.7	1343.6	1436.2	1531.6
75°	482.3	532.9	595.6	672.5	740.0	804.8	870.4	941.9	1025.8	1102.1	1189.4
77.5°	273.2	302.5	338.9	388.9	437.4	476.2	523.0	556.6	605.3	647.3	691.8
80°	140.6	148.5	159.4	171.4	178.2	177.2	184.1	177.2	178.8	173.1	167.1
82.5°	103.4	106.1	111.1	113.4	113.2	105.3	96.8	85.2	74.9	64.2	54.2
85°	70.2	72.0	73.2	75.1	74.6	71.2	63.6	53.4	43.6	35.0	28.0
87.5°	12.2	12.5	12.4	13.5	13.5	12.5	10.3	8.8	7.4	5.5	3.9
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3
2.5°	442.4	442.4	442.6	442.3	442.3	442.4	442.2	442.4	442.3	442.0	441.6
5°	448.1	447.8	447.6	447.8	448.1	447.6	448.0	448.4	447.8	447.9	447.6
7.5°	457.8	457.6	457.6	457.8	457.8	457.6	457.8	457.4	457.2	457.6	457.9
10°	470.8	470.6	470.8	470.8	471.4	471.1	471.0	471.4	471.2	470.8	471.0
12.5°	486.0	485.6	486.2	486.2	486.6	486.6	486.4	486.6	486.4	486.0	485.8
15°	499.6	499.0	499.2	500.2	500.0	500.2	500.3	500.0	499.9	499.8	499.9
17.5°	507.6	507.4	507.4	507.9	508.3	508.2	508.2	508.2	508.0	508.2	508.4
20°	509.2	509.2	509.4	509.8	510.4	510.0	510.0	510.4	510.1	510.4	510.5
22.5°	506.3	506.6	506.8	507.4	507.6	507.6	507.6	507.7	508.0	508.0	508.2
25°	502.3	502.5	502.9	503.4	503.9	503.9	503.9	504.2	504.2	504.3	504.4
27.5°	499.2	499.5	499.9	500.4	501.0	501.0	501.0	501.3	501.2	501.4	501.7
30°	499.6	499.2	499.5	499.8	500.2	500.2	500.0	500.2	500.2	500.3	500.4
32.5°	505.0	504.0	503.6	503.4	503.6	503.2	503.0	502.8	502.5	502.6	502.4
35°	519.4	517.6	517.5	516.4	515.5	514.5	514.6	513.8	514.1	513.5	513.0
37.5°	548.8	546.8	548.0	545.9	544.6	543.5	542.3	540.8	540.0	541.1	541.1
40°	601.4	600.0	599.7	600.0	598.8	599.4	596.7	595.9	594.3	595.4	596.9
42.5°	674.2	673.3	678.1	679.0	679.5	680.2	680.8	676.6	676.4	675.6	673.1
45°	764.0	769.3	769.1	774.8	775.1	773.3	774.1	772.2	771.4	768.7	772.1
47.5°	856.4	866.5	870.2	871.5	876.2	877.4	872.8	871.4	874.0	869.5	870.1
50°	955.6	966.4	975.2	981.1	984.4	984.7	981.4	980.6	983.0	974.4	978.4
52.5°	1053.1	1069.4	1086.0	1094.8	1101.1	1101.6	1104.2	1101.1	1102.4	1100.4	1104.3
55°	1149.2	1177.5	1197.0	1214.2	1225.1	1234.6	1235.4	1238.8	1239.1	1243.2	1239.1
57.5°	1243.2	1274.0	1307.9	1338.4	1355.4	1366.1	1376.2	1389.8	1392.9	1391.2	1393.9
60°	1354.2	1401.8	1448.0	1483.2	1512.4	1540.4	1555.5	1576.9	1580.4	1589.7	1581.6
62.5°	1494.4	1563.6	1626.2	1673.5	1718.0	1761.6	1794.5	1811.1	1821.2	1840.6	1834.2
65°	1709.6	1792.4	1875.3	1943.2	2005.5	2057.4	2107.4	2131.3	2157.7	2185.3	2190.4
67.5°	1886.8	1989.4	2082.8	2165.5	2241.0	2298.7	2350.7	2392.0	2424.2	2444.6	2446.2
69°	1894.8	2001.5	2102.9	2191.6	2270.4	2331.8	2386.6	2432.5	2463.8	2484.6	2490.2
70°	1856.3	1965.6	2073.6	2163.2	2243.9	2306.6	2364.6	2408.5	2443.4	2464.6	2472.1
72.5°	1640.0	1756.7	1872.2	1950.7	2033.2	2107.8	2154.3	2199.0	2248.3	2254.7	2275.0
75°	1292.8	1390.8	1480.5	1540.6	1609.4	1676.4	1722.0	1733.8	1759.6	1792.0	1780.4
77.5°	749.2	779.4	837.2	852.0	839.4	868.6	878.2	857.6	856.6	875.6	837.9
80°	166.0	156.6	168.4	159.6	159.8	160.1	157.5	156.4	158.4	156.4	153.8
82.5°	46.0	44.5	44.8	44.2	45.1	44.4	44.1	45.1	45.0	44.8	45.7
85°	22.2	21.9	21.5	21.4	20.9	20.2	19.2	19.2	19.8	19.0	19.4
87.5°	2.9	2.8	2.8	3.3	2.9	2.4	2.4	2.4	2.2	2.2	2.3
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)