

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: P152774

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152774
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
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-SLL-7030
Description: VISION WALL MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2098 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-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

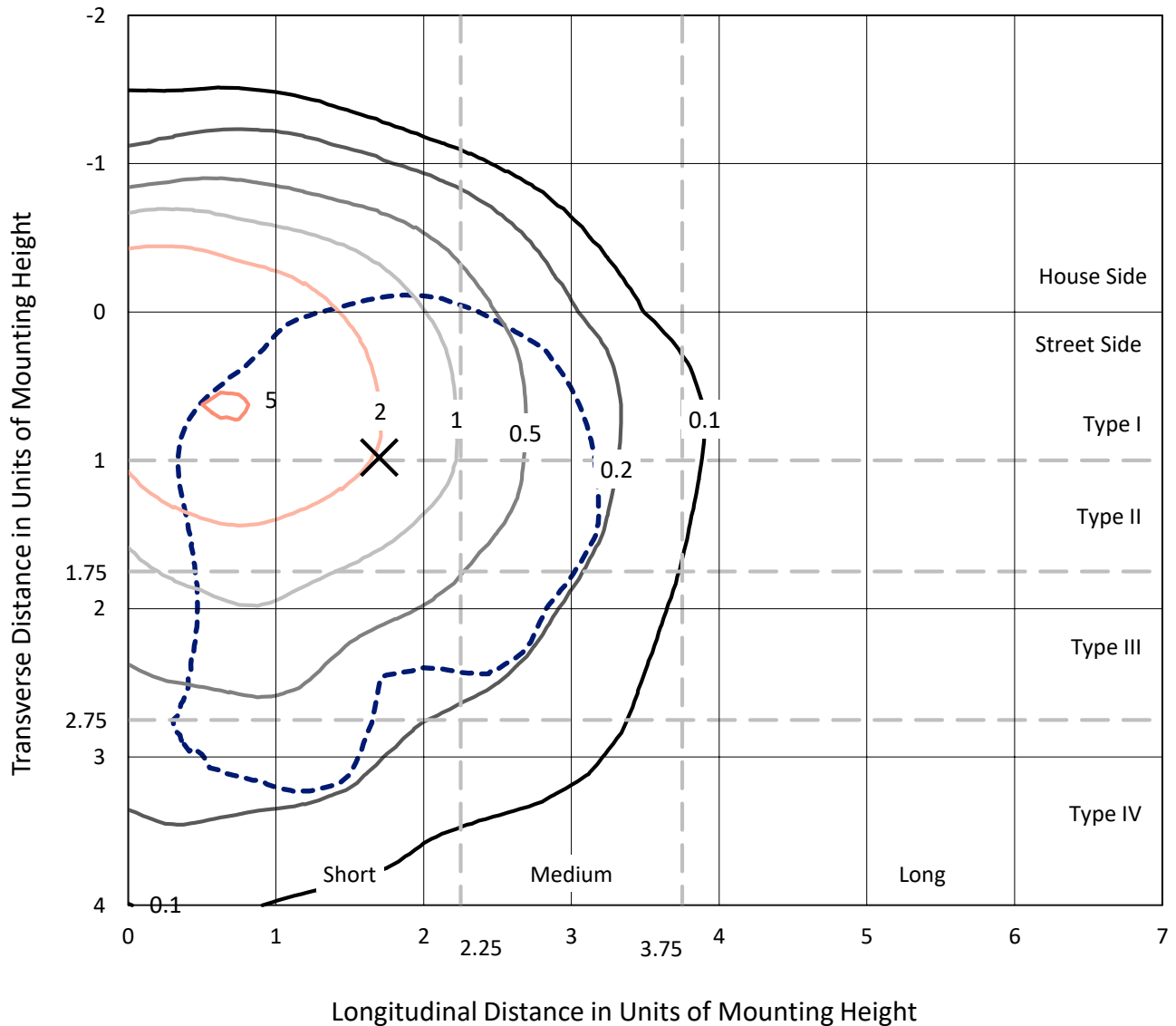


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Iso-Footcandle Lines of Horizontal Illumination

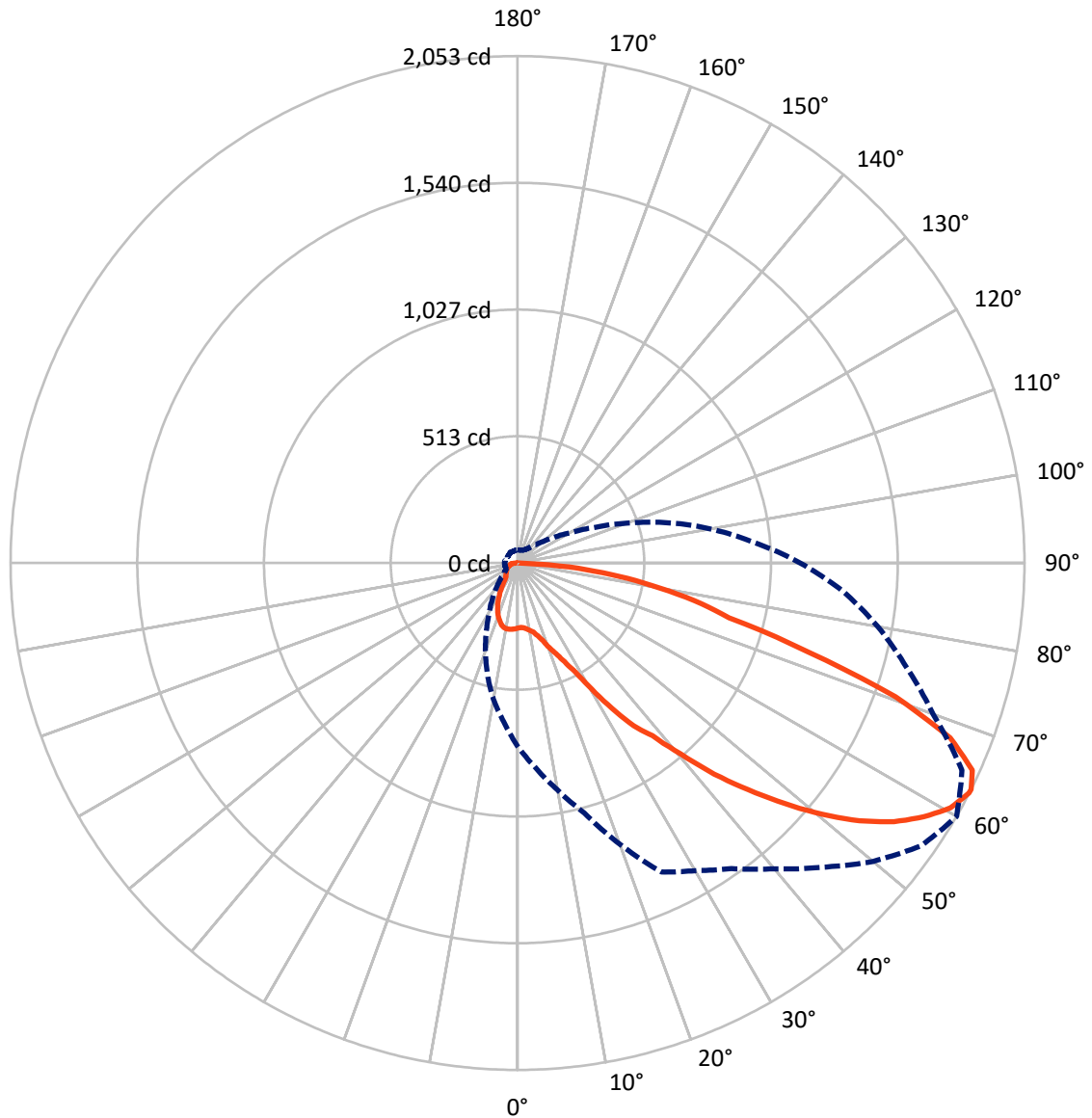
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	454.9	0.0	454.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1643.0	0.0	1643.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	2098.0	0.0	2098.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	1.2
10°-20°	79.9	3.8
20°-30°	142.0	6.8
30°-40°	223.6	10.7
40°-50°	329.1	15.7
50°-60°	437.1	20.8
60°-70°	481.5	23.0
70°-80°	302.1	14.4
80°-90°	76.9	3.7
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°	2098.0	100.0
0°-180°	2098.0	100.0



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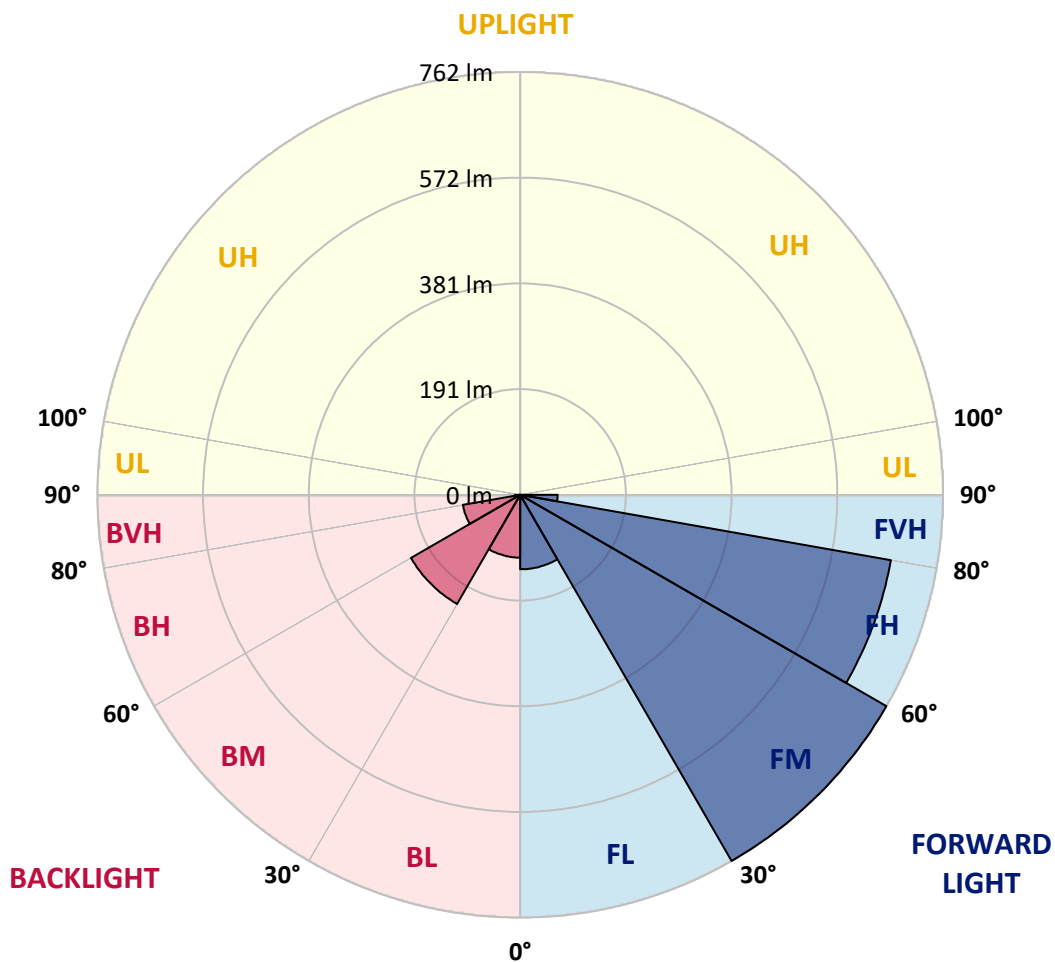
CATALOG NUMBER: VWM-F01-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.3	6.4			
FM	(30°-60°)	762.4	36.3			
FH	(60°-80°)	678.7	32.4			G1/1800
FVH	(80°-90°)	67.5	3.2			G1/100
BL	(0°-30°)	113.3	5.4	B1/500		
BM	(30°-60°)	227.4	10.8	B1/1000		
BH	(60°-80°)	104.9	5.0	B0/110		G0/110
BVH	(80°-90°)	9.4	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	260.1	260.6	260.6	260.4	260.4	260.9	260.6	260.4	259.6	260.6	260.6
5°	258.1	258.6	258.6	259.1	259.6	260.1	260.1	260.6	260.4	261.4	262.1
7.5°	260.6	261.1	262.1	263.4	264.1	265.9	265.9	267.2	267.7	268.4	268.2
10°	263.9	265.2	267.4	269.4	270.9	272.9	274.5	276.2	276.2	277.0	277.5
12.5°	269.7	270.9	273.4	276.0	278.2	280.7	283.0	284.8	286.5	287.0	288.0
15°	279.2	280.7	284.5	288.0	290.8	294.1	297.1	300.6	303.9	304.6	305.1
17.5°	293.6	296.6	299.3	305.6	309.6	313.9	318.7	323.7	324.7	330.0	331.3
20°	313.9	317.7	320.2	328.0	334.8	340.3	347.3	353.1	355.4	360.4	365.4
22.5°	349.1	348.3	352.1	359.9	364.9	376.0	382.0	388.1	391.1	398.6	402.6
25°	396.3	400.4	408.7	409.4	414.2	427.0	434.8	440.8	441.1	443.3	447.6
27.5°	442.8	459.4	472.5	479.5	492.4	504.2	503.7	512.2	498.9	501.7	505.7
30°	499.1	526.8	551.4	568.0	581.1	594.9	601.7	606.5	600.7	598.2	593.4
32.5°	551.9	590.6	628.6	658.0	682.4	705.2	720.3	727.1	735.1	755.5	762.8
35°	588.1	642.9	690.2	732.6	773.3	809.8	836.2	851.3	845.5	842.7	841.2
37.5°	609.7	676.6	735.6	795.7	842.5	897.0	938.0	977.7	986.7	970.9	963.1
40°	623.3	702.5	778.4	849.2	909.8	980.2	1031.0	1090.5	1135.8	1141.8	1123.2
42.5°	629.8	719.8	808.3	888.5	970.4	1056.6	1120.9	1193.1	1260.7	1307.2	1295.6
45°	630.8	731.1	830.1	923.9	1021.4	1123.7	1206.6	1286.6	1377.0	1456.7	1459.0
47.5°	630.8	739.7	845.2	949.5	1067.2	1182.0	1272.5	1367.0	1477.8	1572.1	1601.0
50°	631.3	745.4	859.3	969.6	1102.1	1231.3	1333.6	1445.2	1561.8	1664.3	1720.1
52.5°	633.6	749.7	870.4	984.0	1124.7	1266.0	1381.1	1509.7	1625.9	1731.2	1803.3
55°	638.6	755.8	878.4	992.8	1139.8	1288.6	1415.5	1554.0	1667.3	1774.1	1874.9
57.5°	652.7	766.3	888.2	1000.5	1148.1	1303.4	1439.6	1573.1	1683.2	1794.5	1912.9
60°	680.9	788.7	905.0	1016.1	1161.9	1330.8	1451.2	1560.3	1671.6	1788.5	1921.4
62.5°	725.8	823.6	928.4	1042.5	1201.4	1373.3	1442.4	1522.1	1626.1	1753.5	1891.0
63°	741.4	831.2	933.7	1048.3	1212.2	1381.1	1438.6	1510.8	1616.8	1742.5	1880.2
65°	784.9	864.6	958.8	1077.5	1256.7	1388.9	1409.2	1451.9	1552.5	1679.4	1816.4
67.5°	866.1	945.8	1012.9	1126.7	1294.1	1358.2	1318.0	1323.3	1428.3	1559.8	1682.9
70°	917.4	1012.4	1047.3	1133.0	1287.3	1312.7	1199.9	1130.0	1214.2	1364.0	1471.8
72.5°	904.0	1013.1	1009.3	1049.3	1151.6	1175.2	1058.4	948.3	998.3	1110.1	1180.0
75°	774.4	904.8	877.1	869.1	905.0	920.6	832.9	816.1	879.2	941.2	942.2
77.5°	557.5	701.0	668.5	622.0	619.5	655.5	667.3	777.6	870.9	919.9	898.3
80°	355.1	510.7	477.0	395.8	394.6	441.3	545.1	695.2	794.0	821.4	765.1
82.5°	185.5	334.3	347.1	297.1	340.1	417.5	518.7	560.2	597.7	601.4	535.1
85°	115.6	205.6	241.8	249.6	307.1	370.2	369.5	354.9	338.3	289.5	261.9
87.5°	13.1	25.9	39.2	37.2	50.0	70.1	87.5	51.3	35.9	13.1	18.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	261.1	261.4	261.6	261.6	262.9	262.6	262.9	263.4	264.1	264.7	265.2
5°	263.1	263.1	264.1	264.9	266.4	267.4	267.9	269.4	271.2	270.7	272.2
7.5°	269.7	269.4	270.4	270.9	272.2	274.0	273.7	275.0	276.5	277.0	278.2
10°	278.5	277.7	277.7	277.2	277.5	277.0	277.0	277.0	278.0	277.7	278.7
12.5°	287.5	287.3	286.8	285.3	285.3	283.3	282.2	281.0	280.7	279.0	279.2
15°	306.1	306.1	305.1	302.1	299.6	297.8	295.3	293.6	291.0	287.8	286.0
17.5°	333.3	329.7	328.5	328.0	324.0	322.5	316.9	311.1	308.4	303.9	301.3
20°	366.4	365.7	360.7	358.1	353.1	346.1	339.0	331.5	327.0	321.5	318.4
22.5°	403.9	398.4	395.8	392.1	384.3	376.2	365.7	355.6	348.6	344.8	342.6
25°	447.6	442.1	439.6	434.6	425.0	416.5	403.4	391.6	385.3	379.0	375.5
27.5°	505.7	500.4	497.4	484.3	481.0	467.0	450.9	434.8	426.5	417.2	411.2
30°	592.4	592.6	577.1	561.2	544.9	520.5	503.7	485.6	472.0	458.7	445.4
32.5°	738.9	701.5	672.6	638.6	603.2	577.3	556.4	534.8	516.0	496.6	474.5
35°	828.4	810.3	772.8	710.8	675.1	643.7	620.5	594.4	571.3	537.1	503.4
37.5°	929.4	887.5	842.0	807.5	767.1	730.6	691.9	662.3	622.3	576.3	528.5
40°	1077.0	1016.9	962.1	915.9	863.6	825.4	782.1	739.2	686.1	619.5	553.9
42.5°	1231.0	1168.9	1096.6	1036.5	974.9	930.2	876.6	816.3	738.4	656.0	575.8
45°	1392.6	1309.7	1223.0	1149.6	1085.5	1030.0	963.6	883.7	788.7	688.6	596.2
47.5°	1552.0	1456.7	1353.4	1274.5	1191.1	1123.2	1041.8	940.7	827.9	719.6	616.5
50°	1692.5	1600.7	1476.3	1376.0	1291.6	1207.9	1106.4	984.7	858.8	746.2	634.9
52.5°	1813.6	1734.7	1603.7	1477.1	1379.8	1285.8	1158.4	1020.2	890.0	770.8	649.9
55°	1902.6	1850.0	1729.4	1572.3	1457.5	1345.4	1202.4	1054.3	919.4	790.4	659.7
57.5°	1969.7	1940.5	1837.0	1662.1	1528.8	1403.2	1247.9	1095.3	948.5	807.3	664.3
60°	2006.4	2014.4	1918.4	1740.5	1591.9	1451.4	1293.4	1130.2	970.1	817.1	661.8
62.5°	2002.9	2052.1	1979.5	1788.7	1628.6	1480.1	1324.0	1146.6	967.1	801.5	638.9
63°	1996.1	2053.4	1986.3	1792.0	1630.9	1481.1	1324.8	1144.3	960.8	794.0	629.8
65°	1937.5	2024.5	1980.5	1777.2	1610.8	1462.2	1308.9	1111.6	916.6	753.5	583.3
67.5°	1780.7	1889.5	1876.9	1672.4	1515.5	1384.3	1228.0	1006.3	807.3	654.0	494.4
70°	1521.6	1623.9	1626.1	1454.5	1323.5	1194.8	1064.9	818.8	639.9	506.9	368.7
72.5°	1166.2	1232.0	1254.9	1141.8	1054.1	963.6	847.0	594.4	456.2	344.8	240.0
75°	903.0	884.9	884.7	836.9	801.2	757.0	628.8	401.1	299.6	224.2	146.8
77.5°	811.8	731.4	653.5	596.2	567.5	552.7	412.4	241.8	176.7	128.9	84.4
80°	669.5	550.9	445.1	383.3	358.6	375.7	230.0	130.7	96.8	73.4	54.8
82.5°	461.7	383.3	291.3	241.3	207.1	216.6	117.6	66.9	44.7	41.0	33.9
85°	240.5	210.9	177.9	152.8	135.0	118.6	61.1	31.9	18.6	16.3	14.8
87.5°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	265.9	265.7	266.2	266.4	267.2	267.7	267.9	267.4	268.2	268.9	268.4
5°	272.9	274.7	275.0	275.7	275.7	277.2	277.2	277.2	277.0	277.2	276.7
7.5°	279.0	281.2	281.5	282.5	282.7	284.5	283.8	284.3	284.3	283.0	282.5
10°	279.7	282.0	283.3	284.5	286.3	288.5	288.5	289.8	289.8	288.8	288.5
12.5°	280.0	281.7	283.0	284.8	287.3	290.5	292.3	294.1	294.8	294.6	293.8
15°	285.3	285.3	285.5	287.0	288.8	292.8	295.3	297.3	298.6	298.1	296.8
17.5°	299.1	297.1	295.6	293.1	293.6	295.6	297.1	298.8	299.1	298.6	296.6
20°	315.2	312.7	308.9	304.9	302.9	301.3	300.3	300.3	299.6	297.1	293.8
22.5°	338.0	334.8	329.5	323.5	319.4	314.7	308.9	303.4	297.3	291.3	284.3
25°	369.7	365.2	359.7	350.4	341.8	331.8	319.9	307.6	293.3	280.7	270.4
27.5°	401.6	391.6	377.2	364.4	348.6	333.5	316.7	301.6	283.3	268.2	256.9
30°	428.0	408.9	388.3	367.9	347.1	326.7	306.6	288.5	268.4	253.1	242.0
32.5°	448.4	422.0	393.3	366.7	341.1	316.2	293.1	272.9	252.6	236.8	224.9
35°	467.2	430.5	394.1	361.2	329.5	303.6	277.5	255.6	234.0	217.4	204.6
37.5°	481.3	434.6	389.6	350.9	314.4	285.5	258.9	236.5	214.4	196.3	181.7
40°	490.3	432.0	379.8	336.0	296.6	266.2	239.0	215.9	194.5	174.7	157.1
42.5°	497.6	428.8	370.0	322.5	282.5	249.3	221.4	196.5	174.9	153.3	134.0
45°	508.4	431.3	365.7	312.9	269.9	235.0	204.3	178.4	155.8	134.7	116.1
47.5°	519.0	432.5	359.4	301.1	254.1	220.2	189.0	163.9	140.7	121.4	104.3
50°	528.5	431.8	349.6	286.0	238.8	205.3	175.2	150.0	127.2	109.3	93.2
52.5°	533.1	427.5	337.5	271.4	226.4	192.3	161.6	137.2	114.6	97.8	82.9
55°	532.6	416.5	321.7	257.6	212.9	178.4	148.3	124.2	103.8	88.2	75.4
57.5°	525.0	399.4	304.9	242.3	195.0	161.4	132.7	109.3	92.2	79.2	68.4
60°	509.2	377.5	282.7	219.9	172.7	140.2	113.4	93.2	79.4	69.4	62.3
62.5°	479.5	346.1	255.1	188.7	142.5	112.8	89.5	76.4	66.1	60.1	56.8
63°	470.7	337.5	243.3	181.2	135.5	106.6	84.4	70.9	63.3	58.1	55.0
65°	427.0	295.6	203.6	146.3	105.3	82.2	67.9	57.6	53.0	50.8	50.5
67.5°	345.8	232.5	144.0	100.3	71.6	59.3	52.0	47.8	45.7	45.2	45.7
70°	242.8	146.8	91.5	66.6	53.0	47.8	44.5	42.7	41.5	41.7	42.2
72.5°	154.8	88.0	62.8	50.5	44.7	42.0	40.5	40.0	39.7	39.5	39.5
75°	88.2	58.6	48.3	43.7	40.7	38.5	37.2	36.7	36.9	37.2	36.7
77.5°	58.3	48.3	43.0	40.0	37.2	34.7	33.9	33.7	34.2	34.7	34.7
80°	46.0	43.0	40.0	36.9	32.4	30.7	31.2	31.4	31.2	31.4	30.7
82.5°	32.4	31.9	32.7	31.4	26.9	25.4	24.9	25.1	24.6	24.6	24.1
85°	15.1	15.1	15.8	15.8	15.3	15.6	16.8	18.3	19.1	18.3	17.3
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	4.5	6.5	7.0	8.8	8.5
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°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	267.7	268.2	267.9	267.7	268.2	267.7	267.9	267.7	267.7	267.4	267.4
5°	276.2	277.0	275.5	275.2	274.7	273.4	273.4	272.9	272.9	271.9	271.2
7.5°	281.7	282.0	280.7	280.5	279.2	278.0	277.0	276.0	275.7	275.0	273.4
10°	287.0	286.5	285.5	284.3	283.0	281.2	280.0	278.7	278.5	277.2	275.5
12.5°	291.5	291.3	289.3	288.0	286.0	284.3	282.7	281.2	280.5	279.0	276.5
15°	294.6	293.1	290.5	288.3	286.0	284.0	282.2	280.5	279.7	278.0	275.5
17.5°	293.3	290.5	287.3	284.5	281.5	279.0	277.5	275.7	274.5	273.4	269.9
20°	288.8	284.8	279.7	276.5	272.4	269.2	268.2	266.4	265.4	261.6	257.1
22.5°	277.0	271.2	264.9	260.1	255.6	252.3	249.8	248.1	245.6	243.3	236.3
25°	262.1	255.6	249.1	243.3	237.3	232.2	227.7	223.4	222.2	217.4	210.6
27.5°	247.8	240.5	234.0	227.2	219.4	213.1	205.3	199.3	195.3	190.3	184.0
30°	232.5	225.2	216.4	207.3	198.3	191.5	182.7	175.4	170.4	165.1	159.3
32.5°	213.1	204.3	193.8	183.7	175.4	167.4	158.6	151.6	146.5	141.8	136.2
35°	191.0	179.5	168.1	157.1	148.3	141.5	133.7	128.4	124.9	120.6	114.9
37.5°	165.6	152.6	140.5	131.9	124.2	117.6	112.1	108.8	105.1	102.8	99.3
40°	140.0	127.2	115.4	107.6	101.0	97.3	94.2	93.5	91.0	88.0	85.7
42.5°	117.4	105.1	93.5	87.2	82.9	81.9	80.4	80.4	79.2	76.9	75.4
45°	102.0	89.2	79.2	74.6	72.4	72.1	71.4	71.4	71.1	70.1	68.4
47.5°	91.0	79.4	71.6	68.9	68.4	67.9	67.1	66.9	66.6	65.8	64.8
50°	80.9	71.1	66.1	64.8	65.1	64.3	63.6	62.8	62.6	61.8	60.8
52.5°	71.6	64.6	61.3	60.6	60.6	60.6	60.1	60.1	59.6	59.3	58.3
55°	66.4	61.1	59.3	59.1	58.8	58.6	58.1	58.1	57.6	57.3	56.0
57.5°	61.8	58.6	57.6	57.1	56.8	56.3	56.0	56.0	56.0	56.0	54.5
60°	58.3	56.8	56.5	56.0	55.8	54.8	54.3	54.0	54.3	54.5	53.0
62.5°	54.5	54.3	54.0	53.5	53.3	52.3	51.5	51.0	51.5	52.0	51.8
63°	53.5	53.3	53.3	53.0	52.8	51.5	50.8	50.3	50.8	51.3	51.3
65°	50.0	50.3	50.3	50.0	49.8	49.0	48.0	47.5	47.8	48.5	48.8
67.5°	46.2	46.5	46.2	46.5	46.2	45.7	45.0	44.5	44.2	44.5	44.7
70°	42.7	43.2	43.0	42.7	42.5	42.5	42.0	41.2	41.0	40.7	40.7
72.5°	39.7	39.7	39.2	39.2	39.0	39.0	38.5	37.7	37.4	37.4	36.9
75°	36.4	36.4	35.7	35.7	35.2	35.4	34.9	34.2	33.9	33.9	33.7
77.5°	34.4	33.7	32.4	32.2	31.9	31.9	31.7	30.9	30.7	30.7	30.4
80°	30.4	28.9	27.6	27.4	27.6	28.1	28.1	27.6	27.6	27.6	27.6
82.5°	23.6	23.1	22.4	21.9	21.9	22.6	23.6	24.1	24.6	25.1	25.1
85°	17.3	17.6	17.3	16.6	16.3	17.1	18.1	19.1	19.4	20.4	20.1
87.5°	9.3	9.6	8.8	8.5	9.3	9.8	10.8	11.1	11.6	11.8	12.1
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	267.2	266.9	267.2	266.7	266.7	266.2	265.7	265.4	264.9	264.7	264.1
5°	271.7	270.9	270.2	269.9	268.9	267.9	267.2	265.9	264.9	263.1	262.6
7.5°	274.7	272.9	271.9	271.7	270.2	269.4	267.7	266.2	264.7	262.4	261.6
10°	276.0	274.2	272.4	271.7	269.9	268.7	266.9	264.7	263.4	261.1	260.6
12.5°	277.5	274.2	271.4	269.4	266.9	264.1	262.4	261.1	259.4	258.1	257.6
15°	274.7	270.4	266.2	262.4	258.4	255.4	253.6	251.6	249.6	248.8	248.8
17.5°	267.2	261.6	254.3	249.6	245.3	242.0	239.8	237.8	237.5	236.5	237.0
20°	251.6	244.3	237.3	233.7	231.2	229.2	227.0	225.9	225.2	223.7	223.2
22.5°	230.0	223.9	218.9	216.4	214.4	211.9	209.9	206.8	206.1	204.6	203.8
25°	206.1	201.3	197.0	195.3	194.0	190.5	189.3	185.2	182.5	180.7	181.7
27.5°	182.2	178.7	174.7	172.4	171.7	168.4	167.1	162.6	160.3	160.3	157.8
30°	157.6	154.3	151.8	149.3	148.8	144.8	141.5	139.7	137.2	136.2	134.5
32.5°	134.5	131.2	129.2	127.9	125.9	122.6	119.4	116.4	112.3	110.8	110.1
35°	113.1	110.6	108.1	107.1	104.3	100.8	96.8	94.2	89.5	87.7	87.0
37.5°	96.8	93.7	92.0	89.2	86.5	82.7	79.7	77.4	75.7	74.9	74.9
40°	83.7	81.4	79.4	77.2	74.9	72.9	71.4	70.9	70.6	70.6	71.1
42.5°	73.9	71.9	70.9	69.6	68.9	68.9	68.6	68.9	69.1	69.4	70.1
45°	67.4	66.1	65.6	65.3	65.8	66.4	66.6	67.1	68.1	68.6	68.9
47.5°	63.8	62.8	62.6	62.8	63.6	64.6	65.6	66.4	67.1	67.4	67.6
50°	60.3	59.1	58.6	59.1	60.1	61.6	62.3	63.6	64.1	64.6	64.1
52.5°	57.3	56.3	56.0	56.0	57.1	58.1	59.1	60.1	60.3	60.3	60.1
55°	54.8	54.0	53.3	53.8	54.5	55.5	57.1	57.8	58.3	58.6	58.6
57.5°	52.8	52.0	51.3	51.8	52.5	53.5	55.0	55.8	56.3	57.1	57.3
60°	51.3	50.3	49.5	50.3	51.0	52.5	53.8	54.5	55.8	56.0	56.0
62.5°	49.8	48.8	47.5	48.3	48.3	49.0	50.3	51.3	52.5	53.0	53.0
63°	49.5	48.5	47.3	47.8	47.8	48.3	49.3	50.3	51.8	52.3	52.0
65°	47.5	47.3	46.0	46.0	45.5	46.0	46.7	47.8	48.5	49.3	49.3
67.5°	44.2	44.0	43.7	43.7	43.7	44.2	44.7	45.5	46.2	46.7	46.5
70°	40.5	40.5	40.5	40.7	40.7	41.2	41.5	41.2	42.0	42.5	42.2
72.5°	37.2	36.9	36.7	37.2	36.9	36.9	37.4	37.2	38.0	38.0	38.2
75°	33.7	33.4	33.4	33.7	33.2	32.7	32.9	32.9	33.2	33.2	33.7
77.5°	30.7	30.7	30.7	30.4	29.9	29.7	29.4	29.4	29.4	29.4	29.7
80°	27.9	27.9	27.9	27.6	27.1	26.6	26.1	25.9	25.6	24.4	24.4
82.5°	25.1	25.1	25.1	25.1	24.9	24.4	23.6	21.6	20.6	19.6	19.9
85°	19.9	20.4	20.9	21.6	21.4	21.4	19.9	17.3	15.8	14.8	15.1
87.5°	12.8	11.3	11.3	11.1	10.6	10.1	10.1	8.5	7.0	6.3	6.5
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	0°
2.5°	264.1	263.6	263.1	263.1	262.4	262.4	261.9	262.9	261.9	261.1	261.1	2.5°
5°	262.1	261.6	260.1	259.9	258.9	258.9	258.9	258.4	258.4	257.9	257.6	5°
7.5°	260.9	259.6	258.4	257.6	257.6	257.1	258.1	257.6	257.9	257.9	258.1	7.5°
10°	259.9	258.9	258.4	258.1	258.1	258.9	259.6	259.9	259.6	259.9	259.9	10°
12.5°	257.4	257.9	258.1	259.1	260.4	261.9	263.6	263.9	264.4	264.4	264.9	12.5°
15°	249.3	250.6	252.1	254.6	257.9	261.1	264.4	267.2	269.7	270.9	271.9	15°
17.5°	238.0	239.3	242.0	244.8	249.1	253.8	259.4	264.1	269.4	274.2	279.0	17.5°
20°	222.7	224.7	225.4	230.5	235.5	242.0	248.6	256.1	265.2	274.2	283.5	20°
22.5°	202.8	205.1	208.6	212.6	217.9	225.9	233.7	245.6	257.6	270.4	285.0	22.5°
25°	180.7	183.2	186.2	190.5	195.8	204.3	215.6	228.2	243.0	259.9	278.0	25°
27.5°	157.8	160.3	162.9	165.9	171.9	181.0	194.3	207.3	223.7	242.0	263.1	27.5°
30°	135.0	135.2	136.7	140.5	146.8	158.6	168.4	184.7	201.8	221.2	245.6	30°
32.5°	109.8	109.6	111.3	114.6	120.6	131.9	144.0	159.8	176.7	201.1	226.2	32.5°
35°	87.5	87.5	90.7	94.0	100.8	108.8	119.4	133.5	153.3	175.9	201.1	35°
37.5°	75.7	77.4	79.4	82.7	88.0	94.2	103.5	115.9	131.4	153.1	176.2	37.5°
40°	71.9	72.9	74.6	77.7	82.2	88.0	94.8	104.1	116.1	133.5	154.6	40°
42.5°	70.4	70.6	71.6	73.9	77.9	83.7	90.7	99.0	108.1	120.4	138.7	42.5°
45°	68.9	68.6	69.1	70.9	74.1	80.7	88.7	97.8	106.8	117.1	132.2	45°
47.5°	67.6	67.6	67.6	68.4	71.4	77.9	87.2	97.8	108.6	120.1	135.0	47.5°
50°	64.1	63.8	63.8	64.3	66.6	73.6	84.7	97.5	111.6	126.7	143.5	50°
52.5°	60.1	60.1	60.3	60.6	62.6	69.6	81.9	97.5	115.1	135.2	156.3	52.5°
55°	58.8	59.1	59.3	59.1	60.6	66.6	78.9	96.0	116.6	142.0	170.2	55°
57.5°	57.8	58.3	58.3	58.1	59.1	64.1	75.9	93.0	115.4	144.5	180.0	57.5°
60°	56.3	56.3	56.3	55.5	56.0	60.6	71.4	88.2	111.3	142.3	181.5	60°
62.5°	53.0	53.0	52.5	52.3	52.0	55.5	65.3	81.2	104.1	136.2	177.7	62.5°
63°	52.3	52.0	52.0	51.3	51.3	54.5	64.1	80.2	102.0	134.7	176.2	63°
65°	49.5	49.5	49.5	49.0	48.8	51.3	59.1	73.1	94.2	127.7	168.6	65°
67.5°	46.5	46.7	46.2	46.0	45.7	47.3	53.3	64.3	82.2	112.8	154.6	67.5°
70°	42.2	42.5	42.5	42.2	42.0	43.0	46.7	55.3	68.1	94.0	131.7	70°
72.5°	38.5	39.0	39.0	39.5	39.5	40.2	41.7	46.0	54.5	73.4	103.5	72.5°
75°	34.4	34.7	35.2	35.7	35.2	34.9	35.2	38.5	42.7	54.3	73.9	75°
77.5°	30.9	31.7	31.7	31.4	30.7	30.2	30.2	31.7	35.2	41.2	52.8	77.5°
80°	25.6	26.9	27.1	26.4	25.6	25.6	26.1	27.1	29.4	33.9	40.0	80°
82.5°	20.6	21.9	22.1	22.4	22.1	22.9	22.9	23.1	24.4	27.9	32.7	82.5°
85°	15.8	16.8	17.6	17.8	18.1	18.3	18.1	16.8	17.6	19.9	22.1	85°
87.5°	7.0	7.3	6.8	7.0	6.8	7.0	7.3	6.0	5.8	7.8	8.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
263.6	263.6	263.6	263.6	263.6	263.6	263.6
260.9	260.9	261.1	260.6	260.6	260.9	260.1
256.9	257.9	257.9	257.9	257.4	257.9	258.1
257.9	258.6	259.1	259.1	258.9	259.9	260.6
259.1	260.4	260.9	260.9	260.9	262.1	263.9
263.9	264.9	265.7	265.7	266.2	267.7	269.7
272.7	274.0	274.0	273.7	275.2	277.0	279.2
282.5	286.0	287.8	287.5	288.8	291.0	293.6
291.8	301.6	305.9	308.9	310.1	313.2	313.9
299.6	315.9	327.7	337.8	342.6	345.6	349.1
296.8	318.9	340.1	360.7	375.2	390.1	396.3
285.5	313.2	340.8	371.0	397.4	423.7	442.8
271.7	304.9	342.1	384.8	426.5	467.0	499.1
255.9	297.1	344.8	397.6	452.4	505.4	551.9
236.0	282.2	338.0	398.9	463.5	527.8	588.1
210.9	262.1	322.2	389.8	464.0	537.6	609.7
185.7	236.8	302.1	376.7	457.4	539.9	623.3
168.1	214.1	281.7	360.2	446.9	536.3	629.8
156.1	197.8	263.6	345.1	435.6	530.1	630.8
155.1	190.8	251.8	334.0	426.5	524.5	630.8
163.6	194.5	247.8	328.5	422.7	522.8	631.3
179.7	209.6	255.1	332.8	425.8	525.0	633.6
199.1	232.5	274.7	347.6	438.6	532.6	638.6
216.6	258.9	308.1	376.2	461.9	551.7	652.7
227.0	281.5	343.6	416.5	501.9	589.6	680.9
228.2	294.1	375.0	460.2	550.4	633.1	725.8
227.2	295.1	379.0	468.5	560.7	643.9	741.4
221.7	295.3	390.3	497.6	596.4	689.4	784.9
207.6	287.3	394.3	520.5	641.4	749.2	866.1
183.2	264.4	382.5	521.0	658.7	782.6	917.4
147.3	220.9	331.5	474.0	613.0	749.7	904.0
107.8	162.4	250.6	367.2	500.1	624.1	774.4
71.6	105.1	168.9	261.6	358.6	449.1	557.5
49.3	65.1	98.8	157.3	219.4	263.4	355.1
36.2	43.0	54.8	80.4	105.6	129.9	185.5
22.6	24.6	27.4	39.7	56.8	76.7	115.6
6.0	6.3	5.8	7.8	12.3	11.8	13.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)