

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: P152711

Luminaire Tested: **VXS-E01-LED-E1-SLL-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152711
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: VXS-E01-LED-E1-SLL-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2855.1 lumens
Efficiency: N/A
Efficacy: 115.6 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): 24.7
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

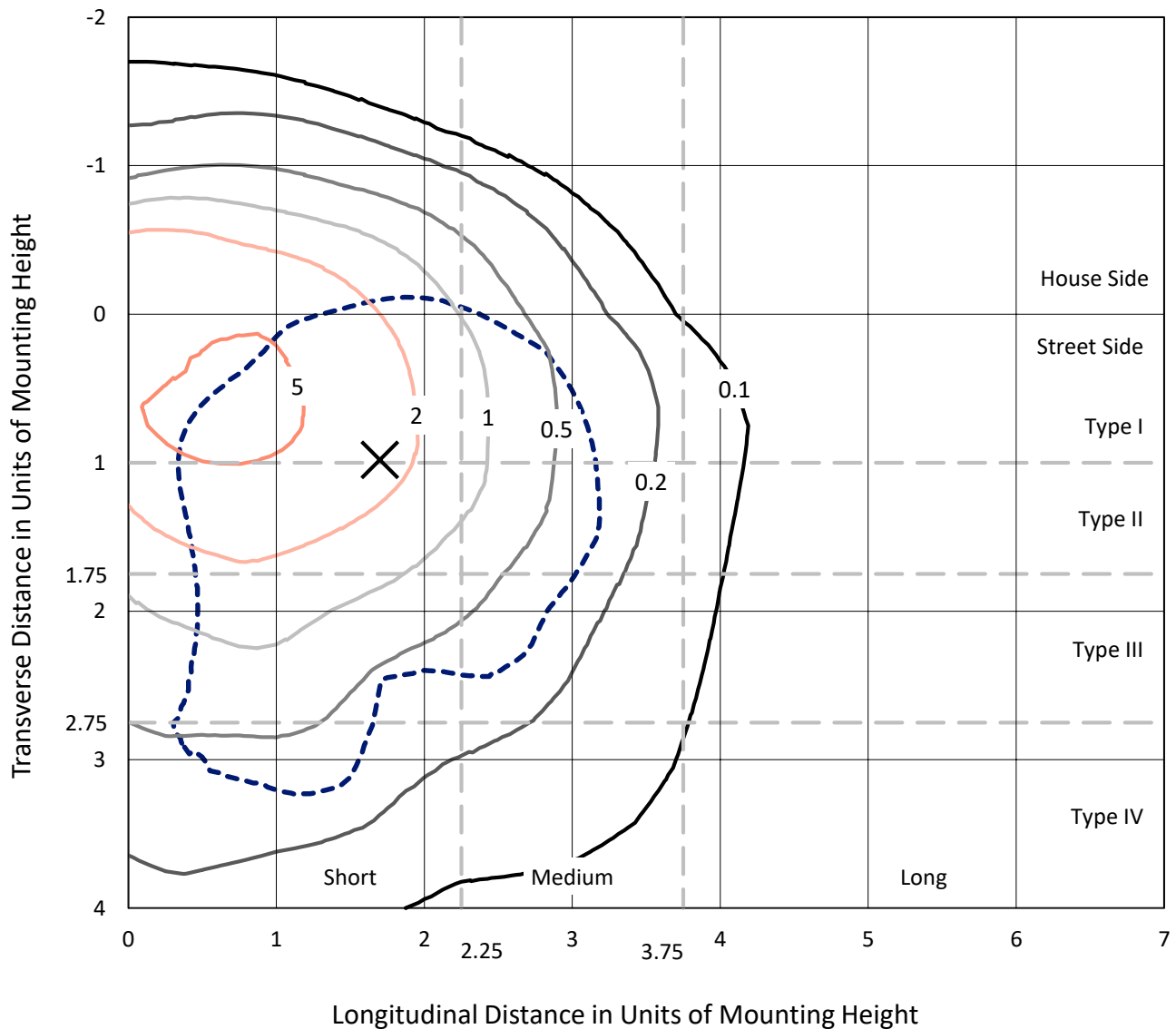


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

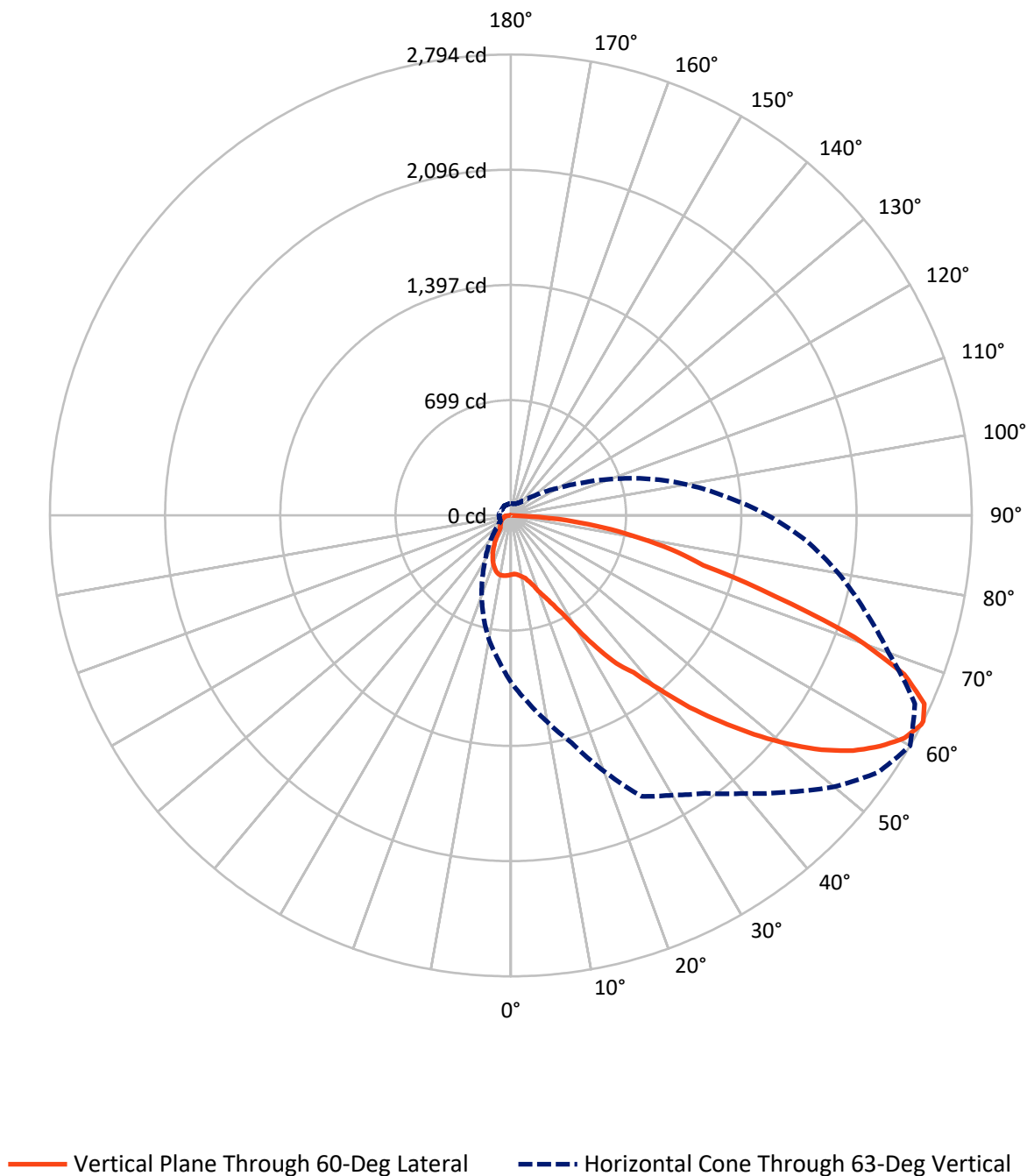


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	619.1	0.0	619.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2236.0	0.0	2236.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	2855.1	0.0	2855.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.2
10°-20°	108.8	3.8
20°-30°	193.3	6.8
30°-40°	304.3	10.7
40°-50°	447.9	15.7
50°-60°	594.9	20.8
60°-70°	655.3	23.0
70°-80°	411.1	14.4
80°-90°	104.7	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°	2855.1	100.0
0°-180°	2855.1	100.0

Coefficient of Utilization



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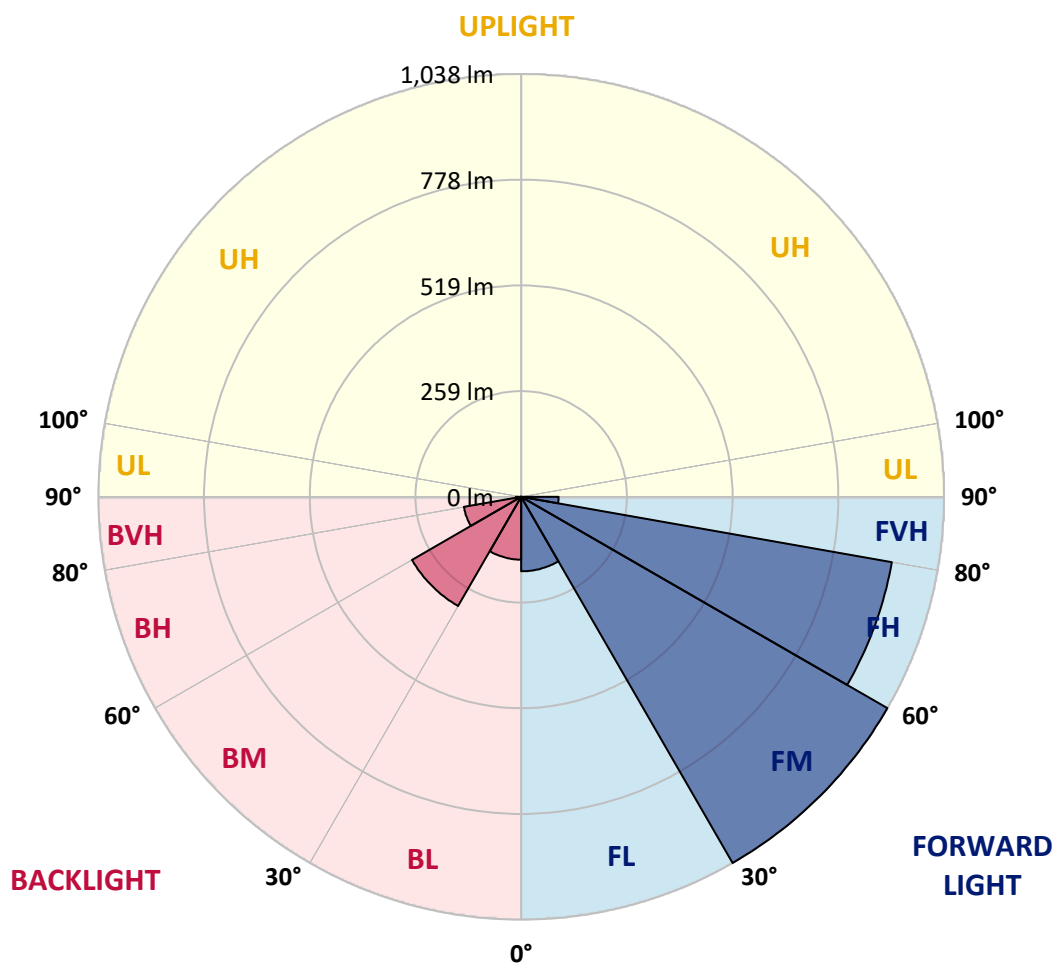
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.8	6.4			
FM	(30°-60°)	1037.6	36.3			
FH	(60°-80°)	923.7	32.4			G1/1800
FVH	(80°-90°)	91.9	3.2			G1/100
BL	(0°-30°)	154.1	5.4	B1/500		
BM	(30°-60°)	309.4	10.8	B1/1000		
BH	(60°-80°)	142.7	5.0	B1/500		G1/500
BVH	(80°-90°)	12.8	0.4			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	354.0	354.7	354.7	354.3	354.3	355.0	354.7	354.3	353.4	354.7	354.7
5°	351.3	351.9	351.9	352.6	353.4	354.0	354.0	354.7	354.3	355.8	356.8
7.5°	354.7	355.3	356.8	358.4	359.5	361.9	361.9	363.6	364.2	365.3	365.0
10°	359.2	360.8	363.9	366.6	368.7	371.4	373.5	375.9	375.9	376.9	377.6
12.5°	367.0	368.7	372.1	375.5	378.7	382.1	385.2	387.6	389.9	390.6	392.0
15°	380.0	382.1	387.2	392.0	395.8	400.2	404.2	409.1	413.5	414.5	415.2
17.5°	399.5	403.6	407.4	416.0	421.3	427.2	433.7	440.5	441.9	449.1	450.8
20°	427.2	432.3	435.8	446.3	455.5	463.1	472.6	480.5	483.6	490.5	497.3
22.5°	475.1	474.1	479.2	489.8	496.7	511.7	519.9	528.1	532.2	542.5	548.0
25°	539.4	544.9	556.2	557.2	563.6	581.1	591.7	599.9	600.3	603.3	609.1
27.5°	602.7	625.3	643.0	652.6	670.1	686.1	685.4	697.1	679.0	682.7	688.2
30°	679.3	716.9	750.5	773.0	790.8	809.6	818.9	825.3	817.5	814.1	807.6
32.5°	751.1	803.8	855.4	895.4	928.6	959.8	980.3	989.5	1000.4	1028.2	1038.0
35°	800.3	874.9	939.3	997.0	1052.4	1102.1	1137.9	1158.4	1150.6	1146.8	1144.8
37.5°	829.7	920.7	1001.1	1082.9	1146.5	1220.7	1276.5	1330.5	1342.8	1321.2	1310.7
40°	848.3	956.0	1059.3	1155.8	1238.1	1333.9	1403.0	1484.0	1545.7	1553.9	1528.6
42.5°	857.1	979.6	1100.0	1209.1	1320.6	1437.9	1525.5	1623.6	1715.6	1779.0	1763.2
45°	858.5	995.0	1129.7	1257.3	1390.1	1529.2	1642.1	1750.9	1874.0	1982.5	1985.5
47.5°	858.5	1006.6	1150.3	1292.2	1452.3	1608.6	1731.7	1860.3	2011.2	2139.4	2178.8
50°	859.2	1014.5	1169.4	1319.6	1499.8	1675.6	1814.8	1966.7	2125.4	2265.0	2340.9
52.5°	862.3	1020.3	1184.5	1339.1	1530.6	1722.8	1879.5	2054.6	2212.6	2356.0	2454.1
55°	869.1	1028.5	1195.4	1351.1	1551.1	1753.6	1926.3	2114.8	2269.0	2414.4	2551.6
57.5°	888.3	1042.9	1208.7	1361.7	1562.4	1773.8	1959.2	2140.8	2290.6	2442.2	2603.2
60°	926.5	1073.3	1231.7	1382.8	1581.2	1811.1	1974.9	2123.3	2274.9	2433.9	2614.8
62.5°	987.8	1120.8	1263.5	1418.8	1634.9	1868.9	1962.9	2071.4	2213.0	2386.4	2573.5
63°	1009.0	1131.1	1270.7	1426.6	1649.6	1879.5	1957.8	2056.0	2200.3	2371.3	2558.8
65°	1068.2	1176.6	1304.9	1466.3	1710.2	1890.1	1917.8	1976.0	2112.7	2285.5	2471.9
67.5°	1178.7	1287.0	1378.4	1533.4	1761.1	1848.4	1793.7	1800.8	1943.8	2122.7	2290.3
70°	1248.4	1377.7	1425.3	1541.9	1751.9	1786.4	1632.8	1537.8	1652.3	1856.3	2003.0
72.5°	1230.3	1378.8	1373.6	1428.0	1567.3	1599.4	1440.3	1290.5	1358.5	1510.8	1605.9
75°	1053.8	1231.3	1193.7	1182.8	1231.7	1252.8	1133.5	1110.6	1196.5	1280.9	1282.3
77.5°	758.7	953.9	909.8	846.5	843.1	892.0	908.1	1058.2	1185.2	1251.8	1222.4
80°	483.3	695.0	649.2	538.8	537.0	600.6	741.9	946.1	1080.5	1117.7	1041.1
82.5°	252.4	454.9	472.3	404.2	462.8	568.1	706.0	762.4	813.4	818.4	728.2
85°	157.3	279.8	329.0	339.7	417.9	503.8	502.8	483.0	460.4	394.0	356.4
87.5°	17.8	35.2	53.4	50.6	68.1	95.4	119.1	69.7	48.9	17.8	24.7
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°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	355.3	355.8	356.1	356.1	357.7	357.4	357.7	358.4	359.5	360.2	360.8
5°	358.1	358.1	359.5	360.5	362.6	363.9	364.6	366.6	369.0	368.4	370.5
7.5°	367.0	366.6	368.0	368.7	370.5	372.8	372.4	374.2	376.3	376.9	378.7
10°	379.0	377.9	377.9	377.3	377.6	376.9	376.9	376.9	378.3	377.9	379.3
12.5°	391.3	391.0	390.3	388.2	388.2	385.5	384.1	382.4	382.1	379.7	380.0
15°	416.6	416.6	415.2	411.1	407.7	405.3	401.9	399.5	396.1	391.6	389.2
17.5°	453.6	448.7	447.0	446.3	440.9	438.9	431.3	423.4	419.7	413.5	410.1
20°	498.7	497.6	490.8	487.4	480.5	471.0	461.5	451.2	445.0	437.5	433.4
22.5°	549.6	542.2	538.8	533.6	523.0	512.0	497.6	483.9	474.4	469.2	466.2
25°	609.1	601.7	598.2	591.4	578.3	566.7	549.0	532.8	524.4	515.8	511.0
27.5°	688.2	681.0	676.9	659.1	654.6	635.5	613.6	591.7	580.4	567.8	559.6
30°	806.2	806.5	785.3	763.7	741.6	708.4	685.4	660.8	642.4	624.2	606.1
32.5°	1005.6	954.6	915.3	869.1	820.9	785.7	757.3	727.9	702.2	675.9	645.8
35°	1127.4	1102.7	1051.7	967.3	918.8	876.0	844.5	808.9	777.4	730.9	685.1
37.5°	1264.9	1207.8	1145.8	1099.0	1043.9	994.3	941.7	901.2	846.8	784.2	719.3
40°	1465.6	1383.8	1309.3	1246.4	1175.2	1123.2	1064.5	1005.9	933.8	843.1	753.9
42.5°	1675.3	1590.8	1492.3	1410.6	1326.7	1265.9	1193.1	1110.9	1004.9	892.7	783.6
45°	1895.2	1782.4	1664.4	1564.5	1477.2	1401.7	1311.4	1202.6	1073.3	937.2	811.3
47.5°	2112.0	1982.5	1841.9	1734.5	1620.9	1528.6	1417.7	1280.2	1126.6	979.3	839.0
50°	2303.3	2178.4	2009.1	1872.6	1757.7	1643.8	1505.6	1340.1	1168.7	1015.5	863.9
52.5°	2468.1	2360.7	2182.5	2010.2	1877.8	1749.8	1576.5	1388.3	1211.2	1049.0	884.5
55°	2589.2	2517.7	2353.6	2139.8	1983.4	1830.9	1636.3	1434.8	1251.2	1075.8	897.8
57.5°	2680.5	2640.8	2499.9	2261.9	2080.6	1909.5	1698.2	1490.6	1290.9	1098.7	904.0
60°	2730.5	2741.5	2610.8	2368.6	2166.4	1975.2	1760.1	1538.1	1320.2	1111.9	900.6
62.5°	2725.7	2792.7	2693.9	2434.3	2216.4	2014.2	1801.9	1560.4	1316.2	1090.8	869.4
63°	2716.5	2794.4	2703.1	2438.8	2219.5	2015.6	1802.9	1557.3	1307.6	1080.5	857.1
65°	2636.8	2755.1	2695.2	2418.5	2192.1	1989.9	1781.3	1512.8	1247.4	1025.4	793.9
67.5°	2423.3	2571.4	2554.3	2275.9	2062.5	1883.9	1671.2	1369.5	1098.7	889.9	672.7
70°	2070.7	2209.8	2213.0	1979.4	1801.1	1626.0	1449.2	1114.3	870.8	689.8	501.8
72.5°	1587.0	1676.7	1707.8	1553.9	1434.5	1311.4	1152.6	808.9	620.8	469.2	326.6
75°	1228.9	1204.4	1203.9	1139.0	1090.4	1030.3	855.8	545.9	407.7	305.1	199.8
77.5°	1104.8	995.3	889.3	811.3	772.3	752.1	561.2	329.0	240.4	175.4	114.9
80°	911.2	749.7	605.7	521.6	488.1	511.3	313.0	177.8	131.7	99.9	74.6
82.5°	628.3	521.6	396.4	328.4	281.9	294.8	160.1	91.0	60.9	55.8	46.2
85°	327.4	286.9	242.2	208.0	183.6	161.5	83.1	43.4	25.3	22.3	20.2
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°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	361.9	361.6	362.2	362.6	363.6	364.2	364.6	363.9	365.0	366.0	365.3
5°	371.4	373.9	374.2	375.2	375.2	377.3	377.3	377.3	376.9	377.3	376.6
7.5°	379.7	382.7	383.1	384.5	384.8	387.2	386.1	386.8	386.8	385.2	384.5
10°	380.7	383.7	385.5	387.2	389.5	392.6	392.6	394.4	394.4	393.0	392.6
12.5°	381.0	383.4	385.2	387.6	391.0	395.4	397.8	400.2	401.2	400.8	399.8
15°	388.2	388.2	388.6	390.6	393.0	398.4	401.9	404.7	406.3	405.7	403.9
17.5°	407.0	404.2	402.3	398.9	399.5	402.3	404.2	406.6	407.0	406.3	403.6
20°	428.9	425.5	420.3	414.9	412.1	410.1	408.7	408.7	407.7	404.2	399.8
22.5°	460.0	455.5	448.4	440.2	434.7	428.2	420.3	412.8	404.7	396.4	386.8
25°	503.1	497.0	489.4	476.8	465.2	451.5	435.4	418.7	399.2	382.1	368.0
27.5°	546.5	532.8	513.4	496.0	474.4	453.9	431.0	410.5	385.5	365.0	349.5
30°	582.5	556.5	528.4	500.7	472.3	444.7	417.3	392.6	365.3	344.5	329.4
32.5°	610.2	574.3	535.3	499.1	464.1	430.3	398.9	371.4	343.7	322.2	306.1
35°	635.9	585.9	536.3	491.5	448.4	413.2	377.6	347.9	318.4	295.9	278.4
37.5°	655.0	591.4	530.2	477.5	427.9	388.6	352.3	321.9	291.7	267.2	247.3
40°	667.4	588.0	516.8	457.3	403.6	362.2	325.3	293.8	264.8	237.7	213.8
42.5°	677.2	583.5	503.5	438.9	384.5	339.3	301.3	267.5	238.0	208.6	182.3
45°	691.9	586.9	497.6	425.8	367.4	319.8	278.0	242.8	212.0	183.3	158.0
47.5°	706.3	588.6	489.1	409.7	345.8	299.6	257.2	223.0	191.5	165.2	142.0
50°	719.3	587.6	475.8	389.2	325.0	279.5	238.4	204.1	173.1	148.8	126.9
52.5°	725.5	581.8	459.4	369.4	308.2	261.7	219.9	186.7	156.0	133.1	112.8
55°	724.8	566.7	437.8	350.6	289.7	242.8	201.8	169.0	141.2	120.1	102.6
57.5°	714.5	543.5	414.9	329.7	265.4	219.6	180.6	148.8	125.5	107.8	93.1
60°	693.0	513.8	384.8	299.3	235.0	190.9	154.3	126.9	108.1	94.4	84.9
62.5°	652.6	471.0	347.2	256.9	193.9	153.6	121.8	103.9	89.9	81.8	77.3
63°	640.6	459.4	331.1	246.6	184.4	145.0	114.9	96.5	86.2	79.0	74.9
65°	581.1	402.3	277.1	199.1	143.3	111.8	92.3	78.3	72.1	69.1	68.7
67.5°	470.7	316.4	196.0	136.5	97.5	80.7	70.8	65.0	62.3	61.6	62.3
70°	330.4	199.8	124.5	90.7	72.1	65.0	60.5	58.1	56.5	56.8	57.5
72.5°	210.7	119.7	85.5	68.7	60.9	57.1	55.0	54.4	54.1	53.7	53.7
75°	120.1	79.7	65.7	59.5	55.4	52.3	50.6	49.9	50.3	50.6	49.9
77.5°	79.4	65.7	58.4	54.4	50.6	47.2	46.2	45.8	46.5	47.2	47.2
80°	62.6	58.4	54.4	50.3	44.1	41.8	42.4	42.8	42.4	42.8	41.8
82.5°	44.1	43.4	44.5	42.8	36.6	34.5	33.9	34.2	33.5	33.5	32.8
85°	20.5	20.5	21.6	21.6	20.8	21.2	22.9	25.0	26.0	25.0	23.6
87.5°	0.0	0.0	0.0	0.0	0.0	3.1	6.1	8.9	9.5	12.0	11.6
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	364.2	365.0	364.6	364.2	365.0	364.2	364.6	364.2	364.2	363.9	363.9
5°	375.9	376.9	374.9	374.5	373.9	372.1	372.1	371.4	371.4	370.1	369.0
7.5°	383.4	383.7	382.1	381.8	380.0	378.3	376.9	375.5	375.2	374.2	372.1
10°	390.6	389.9	388.6	386.8	385.2	382.7	381.0	379.3	379.0	377.3	374.9
12.5°	396.8	396.4	393.7	392.0	389.2	386.8	384.8	382.7	381.8	379.7	376.3
15°	400.8	398.9	395.4	392.3	389.2	386.5	384.1	381.8	380.7	378.3	374.9
17.5°	399.2	395.4	391.0	387.2	383.1	379.7	377.6	375.2	373.5	372.1	367.4
20°	393.0	387.6	380.7	376.3	370.8	366.3	365.0	362.6	361.1	356.1	349.9
22.5°	376.9	369.0	360.5	354.0	347.9	343.4	340.0	337.6	334.2	331.1	321.6
25°	356.8	347.9	339.0	331.1	322.9	316.1	309.8	304.0	302.4	295.9	286.6
27.5°	337.2	327.4	318.4	309.2	298.5	290.1	279.5	271.2	265.8	259.0	250.4
30°	316.4	306.4	294.5	282.2	269.8	260.6	248.7	238.8	231.9	224.8	216.9
32.5°	290.1	278.0	263.7	250.1	238.8	227.8	215.9	206.2	199.4	193.0	185.4
35°	259.9	244.2	228.8	213.8	201.8	192.5	182.0	174.8	169.9	164.1	156.3
37.5°	225.4	207.6	191.2	179.6	169.0	160.1	152.5	148.1	143.0	139.9	135.1
40°	190.5	173.1	157.0	146.4	137.5	132.3	128.3	127.3	123.8	119.7	116.7
42.5°	159.7	143.0	127.3	118.7	112.8	111.5	109.4	109.4	107.8	104.7	102.6
45°	138.9	121.5	107.8	101.6	98.5	98.1	97.1	97.1	96.8	95.4	93.1
47.5°	123.8	108.1	97.5	93.7	93.1	92.3	91.3	91.0	90.7	89.6	88.3
50°	110.2	96.8	89.9	88.3	88.6	87.6	86.5	85.5	85.2	84.1	82.8
52.5°	97.5	87.9	83.4	82.4	82.4	82.4	81.8	81.8	81.0	80.7	79.4
55°	90.3	83.1	80.7	80.4	80.0	79.7	79.0	79.0	78.3	78.0	76.3
57.5°	84.1	79.7	78.3	77.6	77.3	76.6	76.3	76.3	76.3	76.3	74.2
60°	79.4	77.3	77.0	76.3	76.0	74.6	73.9	73.6	73.9	74.2	72.1
62.5°	74.2	73.9	73.6	72.8	72.5	71.2	70.2	69.4	70.2	70.8	70.5
63°	72.8	72.5	72.5	72.1	71.8	70.2	69.1	68.4	69.1	69.7	69.7
65°	68.1	68.4	68.4	68.1	67.8	66.7	65.3	64.7	65.0	66.0	66.3
67.5°	62.9	63.3	62.9	63.3	62.9	62.3	61.2	60.5	60.2	60.5	60.9
70°	58.1	58.9	58.4	58.1	57.8	57.8	57.1	56.1	55.8	55.4	55.4
72.5°	54.1	54.1	53.4	53.4	53.1	53.1	52.3	51.3	51.0	51.0	50.3
75°	49.6	49.6	48.6	48.6	47.9	48.2	47.6	46.5	46.2	46.2	45.8
77.5°	46.8	45.8	44.1	43.7	43.4	43.4	43.1	42.1	41.8	41.8	41.3
80°	41.3	39.4	37.6	37.3	37.6	38.3	38.3	37.6	37.6	37.6	37.6
82.5°	32.1	31.5	30.5	29.7	29.7	30.8	32.1	32.8	33.5	34.2	34.2
85°	23.6	23.9	23.6	22.6	22.3	23.2	24.7	26.0	26.3	27.7	27.4
87.5°	12.6	13.0	12.0	11.6	12.6	13.4	14.7	15.0	15.8	16.1	16.4
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°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	363.6	363.2	363.6	362.9	362.9	362.2	361.6	361.1	360.5	360.2	359.5
5°	369.7	368.7	367.7	367.4	366.0	364.6	363.6	361.9	360.5	358.1	357.4
7.5°	373.9	371.4	370.1	369.7	367.7	366.6	364.2	362.2	360.2	357.1	356.1
10°	375.5	373.2	370.8	369.7	367.4	365.6	363.2	360.2	358.4	355.3	354.7
12.5°	377.6	373.2	369.4	366.6	363.2	359.5	357.1	355.3	353.0	351.3	350.6
15°	373.9	368.0	362.2	357.1	351.6	347.5	345.1	342.4	339.7	338.7	338.7
17.5°	363.6	356.1	346.1	339.7	333.8	329.4	326.3	323.5	323.2	321.9	322.6
20°	342.4	332.4	322.9	318.1	314.7	311.9	308.8	307.5	306.4	304.5	303.7
22.5°	313.0	304.8	297.9	294.5	291.7	288.3	285.6	281.5	280.5	278.4	277.4
25°	280.5	274.0	268.2	265.8	264.0	259.3	257.5	252.1	248.3	245.9	247.3
27.5°	248.0	243.2	237.7	234.6	233.6	229.1	227.5	221.3	218.2	218.2	214.8
30°	214.5	210.1	206.6	203.2	202.5	197.0	192.5	190.2	186.7	185.4	183.0
32.5°	183.0	178.5	175.9	174.1	171.4	166.9	162.5	158.3	152.8	150.9	149.8
35°	153.9	150.5	147.0	145.7	142.0	137.2	131.7	128.3	121.8	119.4	118.3
37.5°	131.7	127.6	125.2	121.5	117.6	112.5	108.4	105.4	102.9	102.0	102.0
40°	113.9	110.8	108.1	105.0	102.0	99.2	97.1	96.5	96.1	96.1	96.8
42.5°	100.5	97.8	96.5	94.7	93.7	93.7	93.4	93.7	94.1	94.4	95.4
45°	91.7	89.9	89.2	88.9	89.6	90.3	90.7	91.3	92.6	93.4	93.7
47.5°	86.8	85.5	85.2	85.5	86.5	87.9	89.2	90.3	91.3	91.7	92.0
50°	82.1	80.4	79.7	80.4	81.8	83.8	84.9	86.5	87.3	87.9	87.3
52.5°	78.0	76.6	76.3	76.3	77.6	79.0	80.4	81.8	82.1	82.1	81.8
55°	74.6	73.6	72.5	73.2	74.2	75.5	77.6	78.7	79.4	79.7	79.7
57.5°	71.8	70.8	69.7	70.5	71.5	72.8	74.9	76.0	76.6	77.6	78.0
60°	69.7	68.4	67.4	68.4	69.4	71.5	73.2	74.2	76.0	76.3	76.3
62.5°	67.8	66.3	64.7	65.7	65.7	66.7	68.4	69.7	71.5	72.1	72.1
63°	67.4	66.0	64.4	65.0	65.0	65.7	67.0	68.4	70.5	71.2	70.8
65°	64.7	64.4	62.6	62.6	61.9	62.6	63.6	65.0	66.0	67.0	67.0
67.5°	60.2	59.9	59.5	59.5	59.5	60.2	60.9	61.9	62.9	63.6	63.3
70°	55.0	55.0	55.0	55.4	55.4	56.1	56.5	56.1	57.1	57.8	57.5
72.5°	50.6	50.3	49.9	50.6	50.3	50.3	51.0	50.6	51.6	51.6	52.0
75°	45.8	45.5	45.5	45.8	45.2	44.5	44.8	44.8	45.2	45.2	45.8
77.5°	41.8	41.8	41.8	41.3	40.7	40.3	40.0	40.0	40.0	40.0	40.3
80°	37.9	37.9	37.9	37.6	36.9	36.3	35.5	35.2	34.9	33.2	33.2
82.5°	34.2	34.2	34.2	34.2	33.9	33.2	32.1	29.4	28.1	26.6	27.0
85°	27.0	27.7	28.4	29.4	29.1	29.1	27.0	23.6	21.6	20.2	20.5
87.5°	17.4	15.4	15.4	15.0	14.4	13.7	13.7	11.6	9.5	8.6	8.9
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	0°
2.5°	359.5	358.8	358.1	358.1	357.1	357.1	356.4	357.7	356.4	355.3	355.3	2.5°
5°	356.8	356.1	354.0	353.7	352.3	352.3	352.3	351.6	351.6	350.9	350.6	5°
7.5°	355.0	353.4	351.6	350.6	350.6	349.9	351.3	350.6	350.9	350.9	351.3	7.5°
10°	353.7	352.3	351.6	351.3	351.3	352.3	353.4	353.7	353.4	353.7	353.7	10°
12.5°	350.3	350.9	351.3	352.6	354.3	356.4	358.8	359.2	359.8	359.8	360.5	12.5°
15°	339.3	341.0	343.1	346.5	350.9	355.3	359.8	363.6	367.0	368.7	370.1	15°
17.5°	323.9	325.6	329.4	333.2	339.0	345.5	353.0	359.5	366.6	373.2	379.7	17.5°
20°	303.0	305.8	306.8	313.7	320.5	329.4	338.2	348.5	360.8	373.2	385.8	20°
22.5°	276.1	279.1	283.9	289.3	296.6	307.5	318.1	334.2	350.6	368.0	387.9	22.5°
25°	245.9	249.3	253.5	259.3	266.4	278.0	293.5	310.6	330.8	353.7	378.3	25°
27.5°	214.8	218.2	221.7	225.7	234.0	246.2	264.4	282.2	304.5	329.4	358.1	27.5°
30°	183.6	184.0	186.1	191.2	199.8	215.9	229.1	251.4	274.6	301.0	334.2	30°
32.5°	149.4	149.1	151.5	156.0	164.1	179.6	196.0	217.5	240.4	273.7	307.9	32.5°
35°	119.1	119.1	123.5	127.9	137.2	148.1	162.5	181.7	208.6	239.4	273.7	35°
37.5°	102.9	105.4	108.1	112.5	119.7	128.3	140.9	157.7	178.9	208.3	239.8	37.5°
40°	97.8	99.2	101.6	105.7	111.8	119.7	128.9	141.6	158.0	181.7	210.4	40°
42.5°	95.8	96.1	97.5	100.5	106.0	113.9	123.5	134.7	147.0	163.8	188.8	42.5°
45°	93.7	93.4	94.1	96.5	100.9	109.8	120.7	133.1	145.4	159.4	179.9	45°
47.5°	92.0	92.0	92.0	93.1	97.1	106.0	118.7	133.1	147.8	163.5	183.6	47.5°
50°	87.3	86.8	86.8	87.6	90.7	100.2	115.2	132.7	151.8	172.4	195.3	50°
52.5°	81.8	81.8	82.1	82.4	85.2	94.7	111.5	132.7	156.7	184.0	212.7	52.5°
55°	80.0	80.4	80.7	80.4	82.4	90.7	107.4	130.7	158.7	193.3	231.6	55°
57.5°	78.7	79.4	79.4	79.0	80.4	87.3	103.3	126.5	157.0	196.7	244.9	57.5°
60°	76.6	76.6	76.6	75.5	76.3	82.4	97.1	120.1	151.5	193.6	246.9	60°
62.5°	72.1	72.1	71.5	71.2	70.8	75.5	88.9	110.5	141.6	185.4	241.9	62.5°
63°	71.2	70.8	70.8	69.7	69.7	74.2	87.3	109.1	138.9	183.3	239.8	63°
65°	67.4	67.4	67.4	66.7	66.3	69.7	80.4	99.5	128.3	173.8	229.5	65°
67.5°	63.3	63.6	62.9	62.6	62.3	64.4	72.5	87.6	111.8	153.6	210.4	67.5°
70°	57.5	57.8	57.8	57.5	57.1	58.4	63.6	75.2	92.6	127.9	179.3	70°
72.5°	52.3	53.1	53.1	53.7	53.7	54.7	56.8	62.6	74.2	99.9	140.9	72.5°
75°	46.8	47.2	47.9	48.6	47.9	47.6	47.9	52.3	58.1	73.9	100.5	75°
77.5°	42.1	43.1	43.1	42.8	41.8	41.0	41.0	43.1	47.9	56.1	71.8	77.5°
80°	34.9	36.6	36.9	36.0	34.9	34.9	35.5	36.9	40.0	46.2	54.4	80°
82.5°	28.1	29.7	30.1	30.5	30.1	31.1	31.1	31.5	33.2	37.9	44.5	82.5°
85°	21.6	22.9	23.9	24.2	24.7	25.0	24.7	22.9	23.9	27.0	30.1	85°
87.5°	9.5	9.9	9.2	9.5	9.2	9.5	9.9	8.2	7.9	10.6	11.0	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°
358.8	358.8	358.8	358.8	358.8	358.8	358.8
355.0	355.0	355.3	354.7	354.7	355.0	354.0
349.5	350.9	350.9	350.9	350.3	350.9	351.3
350.9	351.9	352.6	352.6	352.3	353.7	354.7
352.6	354.3	355.0	355.0	355.0	356.8	359.2
359.2	360.5	361.6	361.6	362.2	364.2	367.0
371.1	372.8	372.8	372.4	374.5	376.9	380.0
384.5	389.2	391.6	391.3	393.0	396.1	399.5
397.1	410.5	416.3	420.3	422.1	426.2	427.2
407.7	429.9	446.0	459.7	466.2	470.3	475.1
403.9	434.1	462.8	490.8	510.7	530.9	539.4
388.6	426.2	463.8	504.9	540.7	576.7	602.7
369.7	414.9	465.5	523.6	580.4	635.5	679.3
348.2	404.2	469.2	541.1	615.6	687.9	751.1
321.1	384.1	460.0	542.8	630.7	718.2	800.3
286.9	356.8	438.4	530.5	631.4	731.6	829.7
252.7	322.2	411.1	512.7	622.5	734.7	848.3
228.8	291.4	383.4	490.2	608.2	729.9	857.1
212.4	269.2	358.8	469.6	592.7	721.3	858.5
211.0	259.6	342.7	454.6	580.4	713.8	858.5
222.7	264.8	337.2	447.0	575.3	711.4	859.2
244.6	285.3	347.2	452.8	579.4	714.5	862.3
270.9	316.4	373.9	473.1	596.9	724.8	869.1
294.8	352.3	419.4	512.0	628.7	750.8	888.3
308.8	383.1	467.6	566.7	683.0	802.4	926.5
310.6	400.2	510.4	626.2	749.0	861.6	987.8
309.2	401.6	515.8	637.5	763.1	876.3	1009.0
301.7	401.9	531.2	677.2	811.6	938.2	1068.2
282.5	391.0	536.7	708.4	872.8	1019.6	1178.7
249.3	359.8	520.6	709.0	896.5	1065.1	1248.4
200.4	300.6	451.2	645.1	834.2	1020.3	1230.3
146.7	220.9	341.0	499.7	680.6	849.2	1053.8
97.5	143.0	229.8	356.1	488.1	611.2	758.7
67.0	88.6	134.4	214.1	298.5	358.4	483.3
49.2	58.4	74.6	109.4	143.6	176.8	252.4
30.8	33.5	37.3	54.1	77.3	104.4	157.3
8.2	8.6	7.9	10.6	16.8	16.1	17.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)