

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: P152716

Luminaire Tested: **VXS-F01-LED-E1-SLL-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152716
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-F01-LED-E1-SLL-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2357 lumens
Efficiency: N/A
Efficacy: 91.0 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

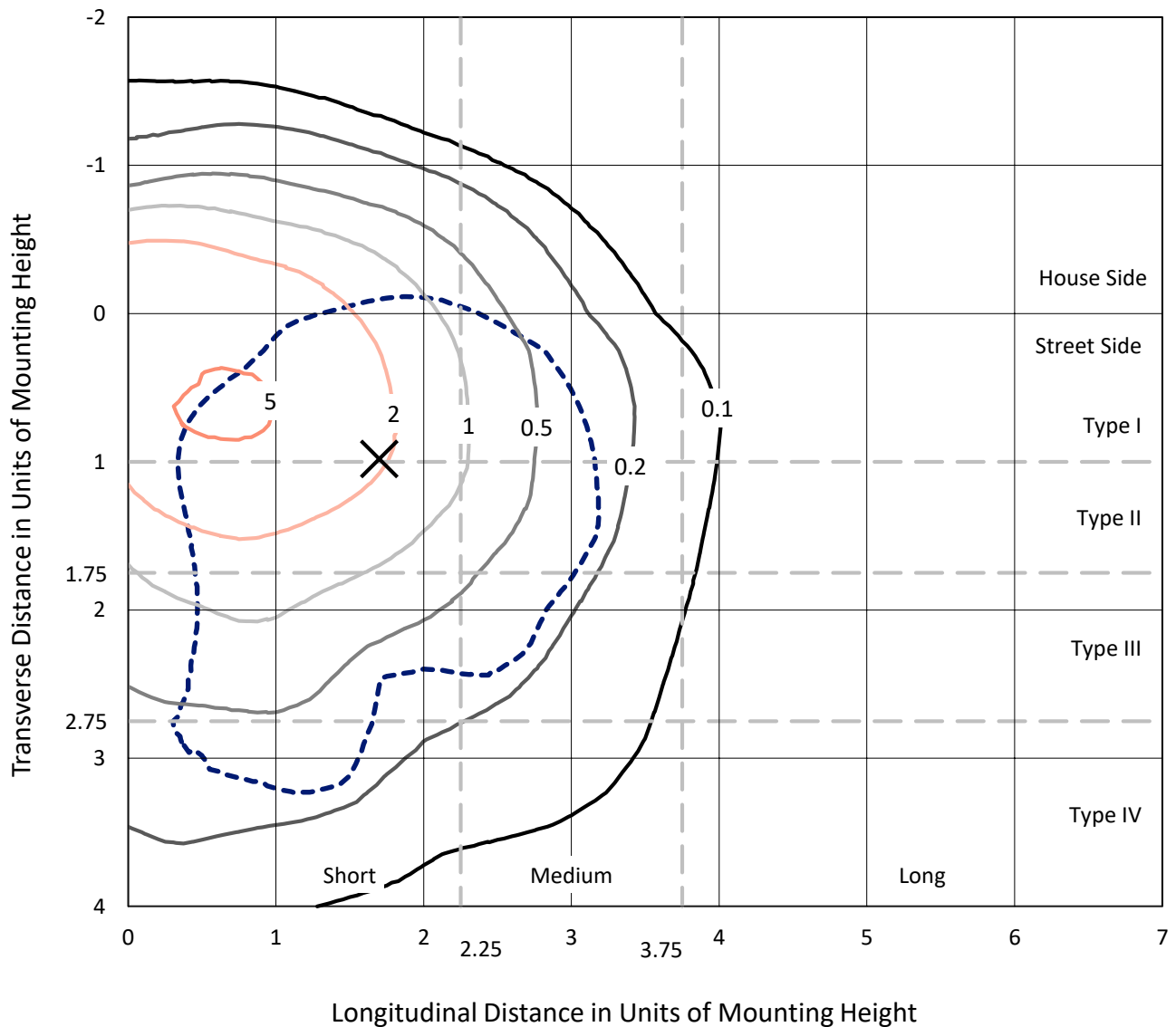
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

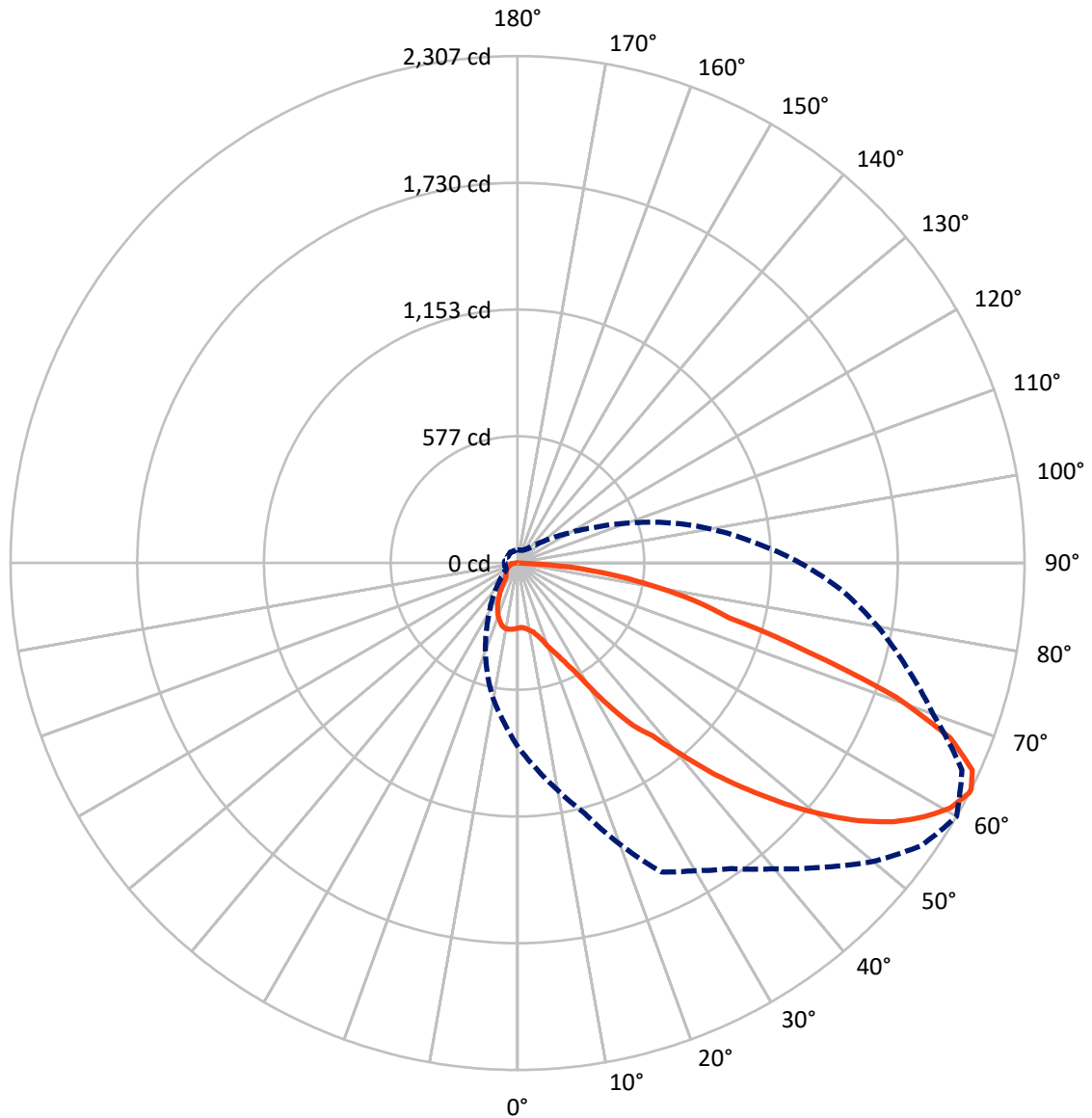
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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	511.1	0.0	511.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1845.9	0.0	1845.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	2357.0	0.0	2357.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	1.2
10°-20°	89.8	3.8
20°-30°	159.5	6.8
30°-40°	251.2	10.7
40°-50°	369.7	15.7
50°-60°	491.1	20.8
60°-70°	540.9	23.0
70°-80°	339.4	14.4
80°-90°	86.4	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°	2357.0	100.0
0°-180°	2357.0	100.0



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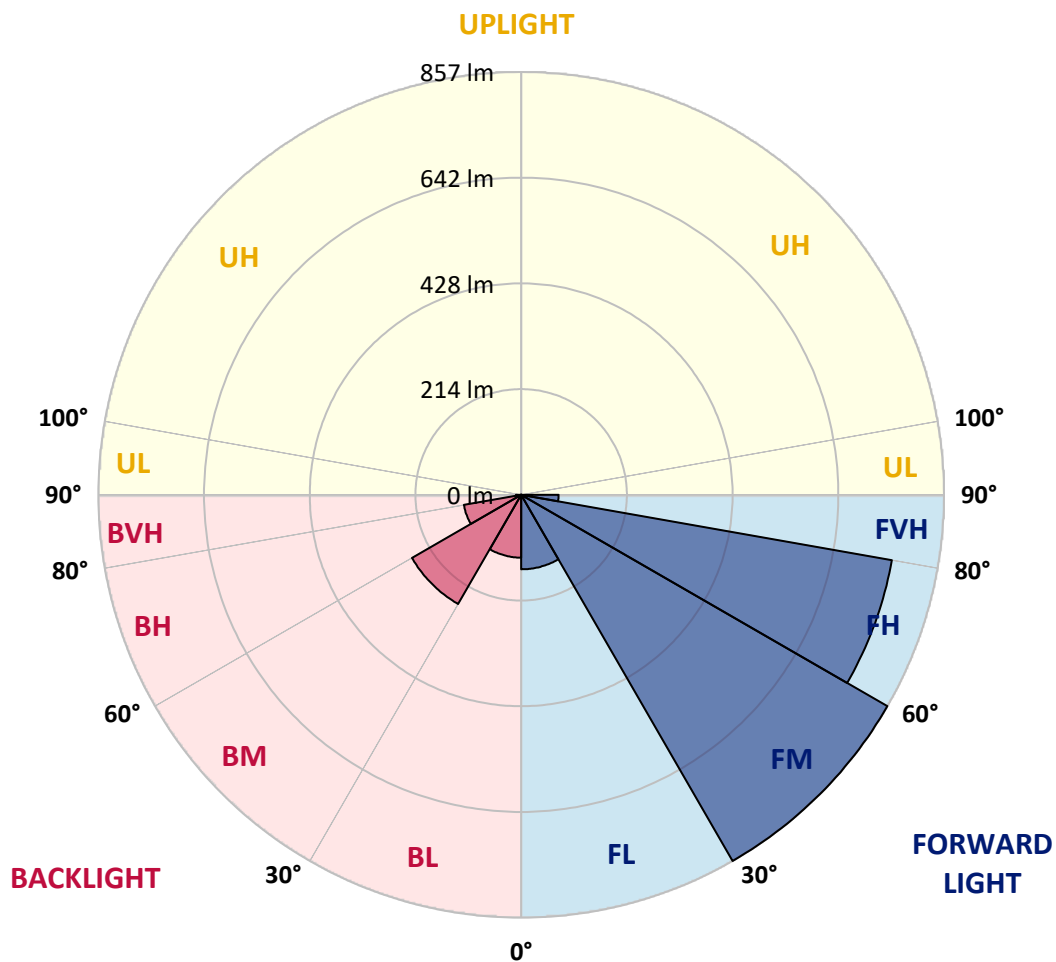
CATALOG NUMBER: VXS-F01-LED-E1-SLL-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.9	6.4			
FM	(30°-60°)	856.6	36.3			
FH	(60°-80°)	762.5	32.4			G1/1800
FVH	(80°-90°)	75.9	3.2			G1/100
BL	(0°-30°)	127.2	5.4	B1/500		
BM	(30°-60°)	255.5	10.8	B1/1000		
BH	(60°-80°)	117.8	5.0	B1/500		G1/500
BVH	(80°-90°)	10.6	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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	292.2	292.8	292.8	292.5	292.5	293.1	292.8	292.5	291.7	292.8	292.8
5°	289.9	290.6	290.6	291.1	291.7	292.2	292.2	292.8	292.5	293.7	294.5
7.5°	292.8	293.4	294.5	296.0	296.8	298.8	298.8	300.1	300.7	301.6	301.2
10°	296.5	297.9	300.4	302.7	304.4	306.6	308.3	310.4	310.4	311.2	311.7
12.5°	303.0	304.4	307.3	310.1	312.5	315.4	317.9	319.9	321.9	322.5	323.6
15°	313.7	315.4	319.6	323.6	326.7	330.4	333.8	337.7	341.3	342.2	342.8
17.5°	329.8	333.2	336.3	343.3	347.9	352.6	358.0	363.6	364.8	370.8	372.1
20°	352.6	356.9	359.7	368.5	376.1	382.3	390.3	396.7	399.3	404.9	410.6
22.5°	392.2	391.4	395.5	404.4	409.9	422.4	429.2	436.0	439.4	447.8	452.3
25°	445.3	449.8	459.1	460.0	465.3	479.7	488.5	495.2	495.5	498.0	502.9
27.5°	497.5	516.2	530.9	538.8	553.2	566.4	565.8	575.4	560.5	563.6	568.1
30°	560.7	591.8	619.5	638.1	652.8	668.4	676.0	681.3	674.8	672.0	666.6
32.5°	620.1	663.5	706.2	739.2	766.6	792.3	809.2	816.9	825.9	848.8	857.0
35°	660.7	722.3	775.3	823.1	868.8	909.7	939.4	956.4	949.8	946.7	945.1
37.5°	685.0	760.1	826.4	894.0	946.4	1007.8	1053.8	1098.3	1108.5	1090.8	1082.0
40°	700.2	789.2	874.5	954.1	1022.2	1101.2	1158.2	1225.2	1276.0	1282.8	1261.9
42.5°	707.6	808.7	908.1	998.1	1090.2	1187.0	1259.3	1340.3	1416.3	1468.5	1455.5
45°	708.7	821.3	932.6	1037.9	1147.5	1262.4	1355.6	1445.4	1547.0	1636.6	1639.1
47.5°	708.7	831.0	949.5	1066.7	1198.9	1328.0	1429.5	1535.8	1660.3	1766.1	1798.7
50°	709.3	837.5	965.4	1089.3	1238.1	1383.3	1498.2	1623.5	1754.6	1869.7	1932.4
52.5°	711.8	842.3	977.8	1105.4	1263.5	1422.3	1551.6	1696.2	1826.5	1944.9	2025.9
55°	717.5	849.0	986.8	1115.3	1280.5	1447.7	1590.3	1745.8	1873.2	1993.2	2106.4
57.5°	733.3	860.9	997.8	1124.0	1289.8	1464.4	1617.3	1767.3	1891.0	2016.1	2149.0
60°	764.9	886.0	1016.8	1141.6	1305.4	1495.1	1630.4	1752.8	1877.9	2009.2	2158.7
62.5°	815.4	925.3	1043.0	1171.2	1349.6	1542.8	1620.4	1709.9	1826.8	1970.1	2124.5
63°	833.0	933.8	1048.9	1177.7	1361.9	1551.6	1616.3	1697.3	1816.4	1957.6	2112.3
65°	881.8	971.3	1077.2	1210.5	1411.8	1560.3	1583.2	1631.2	1744.1	1886.7	2040.6
67.5°	973.1	1062.5	1137.9	1265.8	1453.9	1525.9	1480.7	1486.6	1604.7	1752.3	1890.7
70°	1030.6	1137.3	1176.6	1272.8	1446.2	1474.7	1348.0	1269.5	1364.0	1532.3	1653.5
72.5°	1015.6	1138.2	1134.0	1178.9	1293.8	1320.3	1189.0	1065.4	1121.6	1247.2	1325.7
75°	869.9	1016.5	985.4	976.4	1016.8	1034.3	935.8	916.8	987.7	1057.4	1058.5
77.5°	626.3	787.5	751.1	698.9	696.1	736.4	749.6	873.6	978.3	1033.5	1009.1
80°	399.0	573.8	536.0	444.7	443.3	495.9	612.4	781.0	892.0	922.8	859.5
82.5°	208.4	375.5	389.9	333.8	382.1	469.0	582.8	629.3	671.4	675.6	601.1
85°	129.8	231.0	271.6	280.4	345.1	416.0	415.0	398.7	380.1	325.3	294.2
87.5°	14.7	29.1	44.0	41.8	56.2	78.8	98.2	57.6	40.4	14.7	20.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	293.4	293.7	293.9	293.9	295.3	295.0	295.3	296.0	296.8	297.3	297.9
5°	295.6	295.6	296.8	297.6	299.3	300.4	301.0	302.7	304.7	304.1	305.8
7.5°	303.0	302.7	303.8	304.4	305.8	307.8	307.5	308.9	310.6	311.2	312.5
10°	312.8	312.0	312.0	311.4	311.7	311.2	311.2	311.2	312.3	312.0	313.2
12.5°	323.0	322.7	322.2	320.5	320.5	318.2	317.1	315.6	315.4	313.4	313.7
15°	343.9	343.9	342.8	339.4	336.6	334.6	331.8	329.8	326.9	323.3	321.3
17.5°	374.4	370.5	369.0	368.5	363.9	362.3	356.1	349.5	346.4	341.3	338.5
20°	411.7	410.9	405.2	402.4	396.7	388.8	380.9	372.4	367.4	361.1	357.7
22.5°	453.8	447.6	444.7	440.5	431.7	422.7	410.9	399.6	391.6	387.4	384.9
25°	502.9	496.7	493.9	488.2	477.5	467.9	453.2	439.9	432.8	425.8	421.9
27.5°	568.1	562.2	558.8	544.1	540.4	524.7	506.5	488.5	479.2	468.7	462.0
30°	665.5	665.8	648.3	630.5	612.1	584.8	565.8	545.5	530.3	515.3	500.3
32.5°	830.2	788.1	755.5	717.5	677.6	648.6	625.2	600.8	579.7	557.9	533.1
35°	930.7	910.4	868.3	798.5	758.4	723.1	697.1	667.8	641.8	603.4	565.6
37.5°	1044.1	997.0	945.9	907.3	861.8	820.8	777.3	744.0	699.2	647.5	593.8
40°	1209.9	1142.4	1080.8	1028.9	970.2	927.3	878.7	830.5	770.9	696.1	622.3
42.5°	1383.0	1313.3	1231.9	1164.5	1095.2	1045.0	984.9	917.1	829.5	737.0	646.8
45°	1564.6	1471.4	1374.0	1291.5	1219.5	1157.1	1082.6	992.7	886.0	773.7	669.7
47.5°	1743.5	1636.6	1520.5	1431.8	1338.1	1261.9	1170.4	1056.9	930.1	808.4	692.6
50°	1901.5	1798.3	1658.5	1545.9	1451.1	1357.0	1242.9	1106.3	964.9	838.3	713.3
52.5°	2037.5	1948.8	1801.8	1659.4	1550.2	1444.6	1301.3	1146.1	999.8	866.0	730.2
55°	2137.4	2078.4	1942.9	1766.4	1637.4	1511.5	1350.8	1184.5	1032.8	888.0	741.1
57.5°	2212.8	2180.1	2063.7	1867.3	1717.6	1576.4	1401.9	1230.6	1065.6	906.9	746.3
60°	2254.1	2263.1	2155.2	1955.3	1788.5	1630.6	1453.1	1269.7	1089.9	917.9	743.4
62.5°	2250.2	2305.5	2223.8	2009.5	1829.6	1662.8	1487.5	1288.1	1086.5	900.4	717.7
63°	2242.5	2306.8	2231.5	2013.3	1832.2	1663.9	1488.3	1285.6	1079.5	892.0	707.6
65°	2176.7	2274.4	2225.0	1996.6	1809.6	1642.8	1470.6	1248.9	1029.7	846.5	655.3
67.5°	2000.5	2122.8	2108.7	1878.9	1702.6	1555.2	1379.6	1130.6	906.9	734.7	555.4
70°	1709.4	1824.4	1826.8	1634.0	1486.9	1342.4	1196.4	919.9	718.9	569.5	414.2
72.5°	1310.2	1384.1	1409.8	1282.8	1184.2	1082.6	951.5	667.8	512.4	387.4	269.6
75°	1014.5	994.2	993.9	940.2	900.2	850.5	706.4	450.7	336.6	251.8	164.9
77.5°	912.0	821.7	734.1	669.7	637.6	620.9	463.3	271.6	198.5	144.9	94.9
80°	752.2	619.0	500.1	430.6	402.9	422.2	258.3	146.8	108.7	82.5	61.6
82.5°	518.7	430.6	327.3	271.1	232.6	243.4	132.1	75.1	50.3	46.0	38.1
85°	270.3	236.9	199.9	171.7	151.6	133.3	68.6	35.9	20.9	18.3	16.7
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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	298.8	298.4	299.1	299.3	300.1	300.7	301.0	300.4	301.2	302.1	301.6
5°	306.6	308.6	308.9	309.7	309.7	311.4	311.4	311.4	311.2	311.4	310.9
7.5°	313.4	316.0	316.3	317.4	317.6	319.6	318.8	319.4	319.4	317.9	317.4
10°	314.3	316.8	318.2	319.6	321.7	324.1	324.1	325.6	325.6	324.5	324.1
12.5°	314.5	316.5	317.9	319.9	322.7	326.4	328.4	330.4	331.2	330.9	330.1
15°	320.5	320.5	320.7	322.5	324.5	328.9	331.8	334.0	335.4	334.9	333.5
17.5°	336.0	333.8	332.0	329.2	329.8	332.0	333.8	335.8	336.0	335.4	333.2
20°	354.1	351.3	347.0	342.5	340.2	338.5	337.4	337.4	336.6	333.8	330.1
22.5°	379.8	376.1	370.2	363.4	358.9	353.5	347.0	340.8	334.0	327.3	319.4
25°	415.3	410.3	404.0	393.6	384.0	372.7	359.5	345.6	329.5	315.4	303.8
27.5°	451.2	439.9	423.8	409.4	391.6	374.7	355.8	338.9	318.2	301.2	288.6
30°	480.8	459.4	436.3	413.4	389.9	367.0	344.5	324.1	301.6	284.4	271.9
32.5°	503.7	474.1	441.9	411.9	383.1	355.2	329.2	306.6	283.7	266.0	252.7
35°	524.9	483.7	442.7	405.7	370.2	341.1	311.7	287.2	262.9	244.2	229.8
37.5°	540.7	488.2	437.6	394.2	353.3	320.7	290.9	265.7	240.8	220.5	204.1
40°	550.9	485.4	426.6	377.5	333.2	299.1	268.5	242.6	218.5	196.3	176.5
42.5°	559.1	481.7	415.6	362.3	317.4	280.1	248.8	220.8	196.5	172.2	150.5
45°	571.2	484.6	410.9	351.5	303.2	264.0	229.5	200.5	175.0	151.3	130.5
47.5°	583.1	485.9	403.7	338.2	285.5	247.4	212.3	184.1	158.1	136.4	117.2
50°	593.8	485.1	392.7	321.3	268.3	230.7	196.8	168.6	142.9	122.8	104.8
52.5°	598.9	480.3	379.2	305.0	254.4	216.0	181.6	154.2	128.7	109.8	93.2
55°	598.3	467.9	361.5	289.4	239.2	200.5	166.6	139.5	116.6	99.1	84.7
57.5°	589.8	448.7	342.5	272.2	219.1	181.2	149.1	122.8	103.6	88.9	76.8
60°	572.0	424.1	317.6	247.0	194.0	157.5	127.4	104.8	89.2	77.9	70.1
62.5°	538.8	388.8	286.6	212.0	160.1	126.7	100.5	85.8	74.3	67.5	63.8
63°	528.8	379.2	273.4	203.6	152.2	119.7	94.9	79.6	71.2	65.2	61.9
65°	479.7	332.0	228.7	164.4	118.3	92.3	76.3	64.7	59.6	57.0	56.8
67.5°	388.5	261.1	161.8	112.6	80.5	66.6	58.4	53.7	51.4	50.8	51.4
70°	272.7	164.9	102.8	74.8	59.6	53.7	49.9	48.0	46.6	46.8	47.5
72.5°	173.9	98.9	70.6	56.8	50.3	47.2	45.5	44.9	44.7	44.4	44.4
75°	99.1	65.8	54.2	49.1	45.7	43.2	41.8	41.2	41.6	41.8	41.2
77.5°	65.5	54.2	48.3	44.9	41.8	39.0	38.1	37.8	38.4	39.0	39.0
80°	51.7	48.3	44.9	41.6	36.4	34.4	35.0	35.3	35.0	35.3	34.4
82.5°	36.4	35.9	36.7	35.3	30.3	28.5	28.0	28.2	27.7	27.7	27.2
85°	16.9	16.9	17.8	17.8	17.2	17.5	19.0	20.6	21.5	20.6	19.5
87.5°	0.0	0.0	0.0	0.0	0.0	2.6	5.1	7.4	7.9	9.8	9.6
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°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	300.7	301.2	301.0	300.7	301.2	300.7	301.0	300.7	300.7	300.4	300.4
5°	310.4	311.2	309.4	309.2	308.6	307.3	307.3	306.6	306.6	305.5	304.7
7.5°	316.5	316.8	315.4	315.1	313.7	312.3	311.2	310.1	309.7	308.9	307.3
10°	322.5	321.9	320.7	319.4	317.9	316.0	314.5	313.2	312.8	311.4	309.4
12.5°	327.6	327.3	325.0	323.6	321.3	319.4	317.6	316.0	315.1	313.4	310.6
15°	330.9	329.2	326.4	323.8	321.3	319.1	317.1	315.1	314.3	312.3	309.4
17.5°	329.5	326.4	322.7	319.6	316.3	313.4	311.7	309.7	308.3	307.3	303.2
20°	324.5	319.9	314.3	310.6	306.1	302.4	301.2	299.3	298.1	293.9	288.8
22.5°	311.2	304.7	297.6	292.2	287.2	283.5	280.6	278.7	275.9	273.4	265.4
25°	294.5	287.2	279.8	273.4	266.5	260.9	255.9	251.0	249.6	244.2	236.6
27.5°	278.4	270.3	262.9	255.2	246.5	239.5	230.7	223.9	219.4	213.8	206.7
30°	261.1	253.0	243.1	233.0	222.8	215.1	205.3	197.1	191.4	185.5	179.0
32.5°	239.5	229.5	217.7	206.4	197.1	188.1	178.1	170.3	164.7	159.3	153.1
35°	214.6	201.6	188.9	176.5	166.6	159.0	150.3	144.2	140.3	135.5	129.0
37.5°	186.1	171.4	157.8	148.2	139.5	132.1	125.9	122.3	118.0	115.4	111.5
40°	157.3	142.9	129.6	120.8	113.5	109.2	105.9	105.1	102.2	98.9	96.3
42.5°	131.8	118.0	105.1	97.9	93.2	92.0	90.4	90.4	88.9	86.4	84.7
45°	114.6	100.2	88.9	83.8	81.3	81.0	80.2	80.2	79.9	78.8	76.8
47.5°	102.2	89.2	80.5	77.4	76.8	76.3	75.4	75.1	74.8	74.0	72.8
50°	90.9	79.9	74.3	72.8	73.2	72.3	71.4	70.6	70.3	69.4	68.3
52.5°	80.5	72.5	68.9	68.1	68.1	68.1	67.5	67.5	66.9	66.6	65.5
55°	74.5	68.6	66.6	66.3	66.1	65.8	65.2	65.2	64.7	64.4	63.0
57.5°	69.4	65.8	64.7	64.1	63.8	63.2	63.0	63.0	63.0	63.0	61.2
60°	65.5	63.8	63.5	63.0	62.7	61.6	61.0	60.7	61.0	61.2	59.6
62.5°	61.2	61.0	60.7	60.1	59.9	58.8	57.9	57.3	57.9	58.4	58.1
63°	60.1	59.9	59.9	59.6	59.3	57.9	57.0	56.5	57.0	57.6	57.6
65°	56.2	56.5	56.5	56.2	56.0	55.0	53.9	53.4	53.7	54.5	54.8
67.5°	51.9	52.2	51.9	52.2	51.9	51.4	50.6	49.9	49.7	49.9	50.3
70°	48.0	48.6	48.3	48.0	47.7	47.7	47.2	46.3	46.0	45.7	45.7
72.5°	44.7	44.7	44.0	44.0	43.7	43.7	43.2	42.4	42.1	42.1	41.6
75°	40.9	40.9	40.1	40.1	39.5	39.8	39.3	38.4	38.1	38.1	37.8
77.5°	38.7	37.8	36.4	36.2	35.9	35.9	35.5	34.7	34.4	34.4	34.2
80°	34.2	32.4	31.1	30.8	31.1	31.6	31.6	31.1	31.1	31.1	31.1
82.5°	26.5	26.0	25.2	24.6	24.6	25.4	26.5	27.2	27.7	28.2	28.2
85°	19.5	19.8	19.5	18.7	18.3	19.2	20.3	21.5	21.8	22.9	22.6
87.5°	10.5	10.8	9.8	9.6	10.5	11.0	12.1	12.4	13.0	13.3	13.6
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2
2.5°	300.1	299.9	300.1	299.6	299.6	299.1	298.4	298.1	297.6	297.3	296.8
5°	305.2	304.4	303.5	303.2	302.1	301.0	300.1	298.8	297.6	295.6	295.0
7.5°	308.6	306.6	305.5	305.2	303.5	302.7	300.7	299.1	297.3	294.8	293.9
10°	310.1	308.1	306.1	305.2	303.2	301.9	299.9	297.3	296.0	293.4	292.8
12.5°	311.7	308.1	305.0	302.7	299.9	296.8	294.8	293.4	291.4	289.9	289.4
15°	308.6	303.8	299.1	294.8	290.3	286.8	284.9	282.6	280.4	279.6	279.6
17.5°	300.1	293.9	285.7	280.4	275.5	271.9	269.3	267.2	266.8	265.7	266.2
20°	282.6	274.4	266.5	262.6	259.8	257.5	254.9	253.9	253.0	251.3	250.8
22.5°	258.3	251.6	245.9	243.1	240.8	238.0	235.8	232.3	231.5	229.8	229.0
25°	231.5	226.2	221.3	219.4	218.0	214.0	212.6	208.1	205.0	203.0	204.1
27.5°	204.7	200.7	196.3	193.7	192.8	189.2	187.8	182.7	180.1	180.1	177.3
30°	177.0	173.4	170.6	167.8	167.2	162.6	159.0	157.0	154.2	153.1	151.1
32.5°	151.1	147.4	145.2	143.7	141.5	137.8	134.1	130.8	126.2	124.6	123.6
35°	127.0	124.2	121.5	120.3	117.2	113.3	108.7	105.9	100.5	98.5	97.7
37.5°	108.7	105.3	103.3	100.2	97.1	92.8	89.5	86.9	85.0	84.1	84.1
40°	94.0	91.5	89.2	86.7	84.1	81.9	80.2	79.6	79.4	79.4	79.9
42.5°	83.0	80.7	79.6	78.2	77.4	77.4	77.1	77.4	77.6	77.9	78.8
45°	75.6	74.3	73.7	73.4	74.0	74.5	74.8	75.4	76.5	77.1	77.4
47.5°	71.7	70.6	70.3	70.6	71.4	72.5	73.7	74.5	75.4	75.6	76.0
50°	67.8	66.3	65.8	66.3	67.5	69.2	70.1	71.4	72.0	72.5	72.0
52.5°	64.4	63.2	63.0	63.0	64.1	65.2	66.3	67.5	67.8	67.8	67.5
55°	61.6	60.7	59.9	60.4	61.2	62.4	64.1	65.0	65.5	65.8	65.8
57.5°	59.3	58.4	57.6	58.1	59.0	60.1	61.9	62.7	63.2	64.1	64.4
60°	57.6	56.5	55.6	56.5	57.3	59.0	60.4	61.2	62.7	63.0	63.0
62.5°	56.0	54.8	53.4	54.2	54.2	55.0	56.5	57.6	59.0	59.6	59.6
63°	55.6	54.5	53.1	53.7	53.7	54.2	55.3	56.5	58.1	58.8	58.4
65°	53.4	53.1	51.7	51.7	51.1	51.7	52.5	53.7	54.5	55.3	55.3
67.5°	49.7	49.4	49.1	49.1	49.1	49.7	50.3	51.1	51.9	52.5	52.2
70°	45.5	45.5	45.5	45.7	45.7	46.3	46.6	46.3	47.2	47.7	47.5
72.5°	41.8	41.6	41.2	41.8	41.6	41.6	42.1	41.8	42.6	42.6	42.9
75°	37.8	37.5	37.5	37.8	37.3	36.7	37.0	37.0	37.3	37.3	37.8
77.5°	34.4	34.4	34.4	34.2	33.6	33.4	33.1	33.1	33.1	33.1	33.4
80°	31.3	31.3	31.3	31.1	30.5	29.9	29.3	29.1	28.8	27.4	27.4
82.5°	28.2	28.2	28.2	28.2	28.0	27.4	26.5	24.2	23.1	22.1	22.3
85°	22.3	22.9	23.4	24.2	24.0	24.0	22.3	19.5	17.8	16.7	16.9
87.5°	14.4	12.7	12.7	12.4	11.8	11.3	11.3	9.6	7.9	7.0	7.4
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	296.2	0°
2.5°	296.8	296.2	295.6	295.6	294.8	294.8	294.2	295.3	294.2	293.4	293.4	2.5°
5°	294.5	293.9	292.2	291.9	290.9	290.9	290.9	290.3	290.3	289.7	289.4	5°
7.5°	293.1	291.7	290.3	289.4	289.4	288.8	289.9	289.4	289.7	289.7	289.9	7.5°
10°	291.9	290.9	290.3	289.9	289.9	290.9	291.7	291.9	291.7	291.9	291.9	10°
12.5°	289.1	289.7	289.9	291.1	292.5	294.2	296.2	296.5	297.0	297.0	297.6	12.5°
15°	280.1	281.6	283.2	286.0	289.7	293.4	297.0	300.1	303.0	304.4	305.5	15°
17.5°	267.4	268.8	271.9	275.0	279.8	285.2	291.4	296.8	302.7	308.1	313.4	17.5°
20°	250.2	252.4	253.3	259.0	264.6	271.9	279.3	287.8	297.9	308.1	318.5	20°
22.5°	227.9	230.4	234.4	238.9	244.8	253.9	262.6	275.9	289.4	303.8	320.2	22.5°
25°	203.0	205.8	209.2	214.0	220.0	229.5	242.3	256.4	273.1	291.9	312.3	25°
27.5°	177.3	180.1	183.0	186.3	193.2	203.3	218.2	233.0	251.3	271.9	295.6	27.5°
30°	151.6	151.9	153.6	157.8	164.9	178.1	189.2	207.6	226.7	248.5	275.9	30°
32.5°	123.4	123.1	125.1	128.7	135.5	148.2	161.8	179.6	198.5	225.9	254.1	32.5°
35°	98.2	98.2	102.0	105.6	113.3	122.3	134.1	149.9	172.2	197.6	225.9	35°
37.5°	85.0	86.9	89.2	92.8	98.9	105.9	116.4	130.2	147.7	171.9	197.9	37.5°
40°	80.7	81.9	83.8	87.3	92.3	98.9	106.4	116.9	130.5	149.9	173.7	40°
42.5°	79.1	79.4	80.5	83.0	87.6	94.0	102.0	111.3	121.5	135.2	155.9	42.5°
45°	77.4	77.1	77.6	79.6	83.3	90.7	99.7	109.8	120.0	131.6	148.5	45°
47.5°	76.0	76.0	76.0	76.8	80.2	87.6	97.9	109.8	122.0	134.9	151.6	47.5°
50°	72.0	71.7	71.7	72.3	74.8	82.7	95.1	109.5	125.4	142.3	161.2	50°
52.5°	67.5	67.5	67.8	68.1	70.3	78.2	92.0	109.5	129.3	151.9	175.6	52.5°
55°	66.1	66.3	66.6	66.3	68.1	74.8	88.7	107.9	131.0	159.5	191.2	55°
57.5°	65.0	65.5	65.5	65.2	66.3	72.0	85.3	104.5	129.6	162.4	202.2	57.5°
60°	63.2	63.2	63.2	62.4	63.0	68.1	80.2	99.1	125.1	159.8	203.8	60°
62.5°	59.6	59.6	59.0	58.8	58.4	62.4	73.4	91.2	116.9	153.1	199.6	62.5°
63°	58.8	58.4	58.4	57.6	57.6	61.2	72.0	90.1	114.6	151.3	197.9	63°
65°	55.6	55.6	55.6	55.0	54.8	57.6	66.3	82.2	105.9	143.4	189.4	65°
67.5°	52.2	52.5	51.9	51.7	51.4	53.1	59.9	72.3	92.3	126.7	173.7	67.5°
70°	47.5	47.7	47.7	47.5	47.2	48.3	52.5	62.1	76.5	105.6	148.0	70°
72.5°	43.2	43.7	43.7	44.4	44.4	45.2	46.8	51.7	61.2	82.5	116.4	72.5°
75°	38.7	39.0	39.5	40.1	39.5	39.3	39.5	43.2	48.0	61.0	83.0	75°
77.5°	34.7	35.5	35.5	35.3	34.4	33.9	33.9	35.5	39.5	46.3	59.3	77.5°
80°	28.8	30.3	30.5	29.6	28.8	28.8	29.3	30.5	33.1	38.1	44.9	80°
82.5°	23.1	24.6	24.9	25.2	24.9	25.7	25.7	26.0	27.4	31.3	36.7	82.5°
85°	17.8	19.0	19.8	20.0	20.3	20.6	20.3	19.0	19.8	22.3	24.9	85°
87.5°	7.9	8.2	7.7	7.9	7.7	7.9	8.2	6.7	6.5	8.7	9.0	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°
296.2	296.2	296.2	296.2	296.2	296.2	296.2
293.1	293.1	293.4	292.8	292.8	293.1	292.2
288.6	289.7	289.7	289.7	289.1	289.7	289.9
289.7	290.6	291.1	291.1	290.9	291.9	292.8
291.1	292.5	293.1	293.1	293.1	294.5	296.5
296.5	297.6	298.4	298.4	299.1	300.7	303.0
306.3	307.8	307.8	307.5	309.2	311.2	313.7
317.4	321.3	323.3	323.0	324.5	326.9	329.8
327.8	338.9	343.6	347.0	348.4	351.8	352.6
336.6	354.9	368.2	379.5	384.9	388.3	392.2
333.5	358.3	382.1	405.2	421.6	438.2	445.3
320.7	351.8	382.9	416.8	446.4	476.1	497.5
305.2	342.5	384.2	432.3	479.2	524.7	560.7
287.5	333.8	387.4	446.7	508.3	567.8	620.1
265.2	317.1	379.8	448.1	520.6	593.0	660.7
236.9	294.5	362.0	437.9	521.2	603.9	685.0
208.7	266.0	339.4	423.2	513.9	606.5	700.2
188.9	240.5	316.5	404.7	502.1	602.6	707.6
175.3	222.2	296.2	387.7	489.3	595.5	708.7
174.2	214.3	282.9	375.2	479.2	589.3	708.7
183.8	218.5	278.4	369.0	474.9	587.4	709.3
201.9	235.4	286.6	373.9	478.3	589.8	711.8
223.6	261.1	308.6	390.5	492.7	598.3	717.5
243.4	290.9	346.2	422.7	519.0	619.8	733.3
254.9	316.3	386.0	467.9	563.8	662.4	764.9
256.4	330.4	421.2	517.0	618.3	711.3	815.4
255.2	331.5	425.8	526.3	629.9	723.4	833.0
249.0	331.8	438.5	559.1	670.1	774.5	881.8
233.3	322.7	443.0	584.8	720.6	841.8	973.1
205.8	297.0	429.7	585.3	740.1	879.3	1030.6
165.5	248.2	372.4	532.5	688.7	842.3	1015.6
121.1	182.4	281.6	412.5	561.9	701.1	869.9
80.5	118.0	189.7	293.9	402.9	504.6	626.3
55.3	73.2	111.0	176.8	246.5	296.0	399.0
40.6	48.3	61.6	90.4	118.5	146.0	208.4
25.4	27.7	30.8	44.7	63.8	86.1	129.8
6.7	7.0	6.5	8.7	13.9	13.3	14.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)