

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: P152708

Luminaire Tested: **VXS-E01-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152708
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-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2348.4 lumens
Efficiency: N/A
Efficacy: 95.1 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 (A_{in}): 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

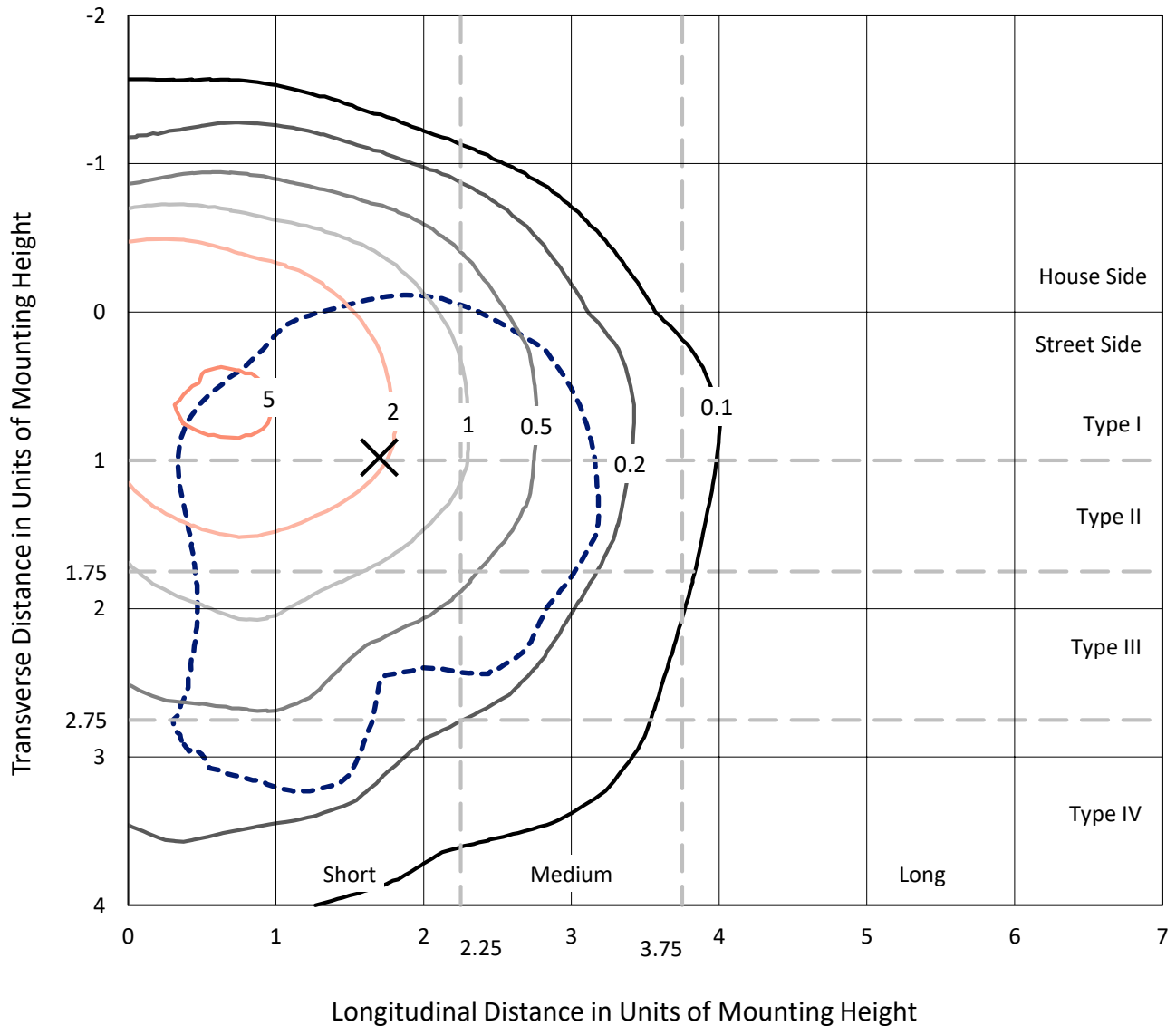


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Iso-Footcandle Lines of Horizontal Illumination

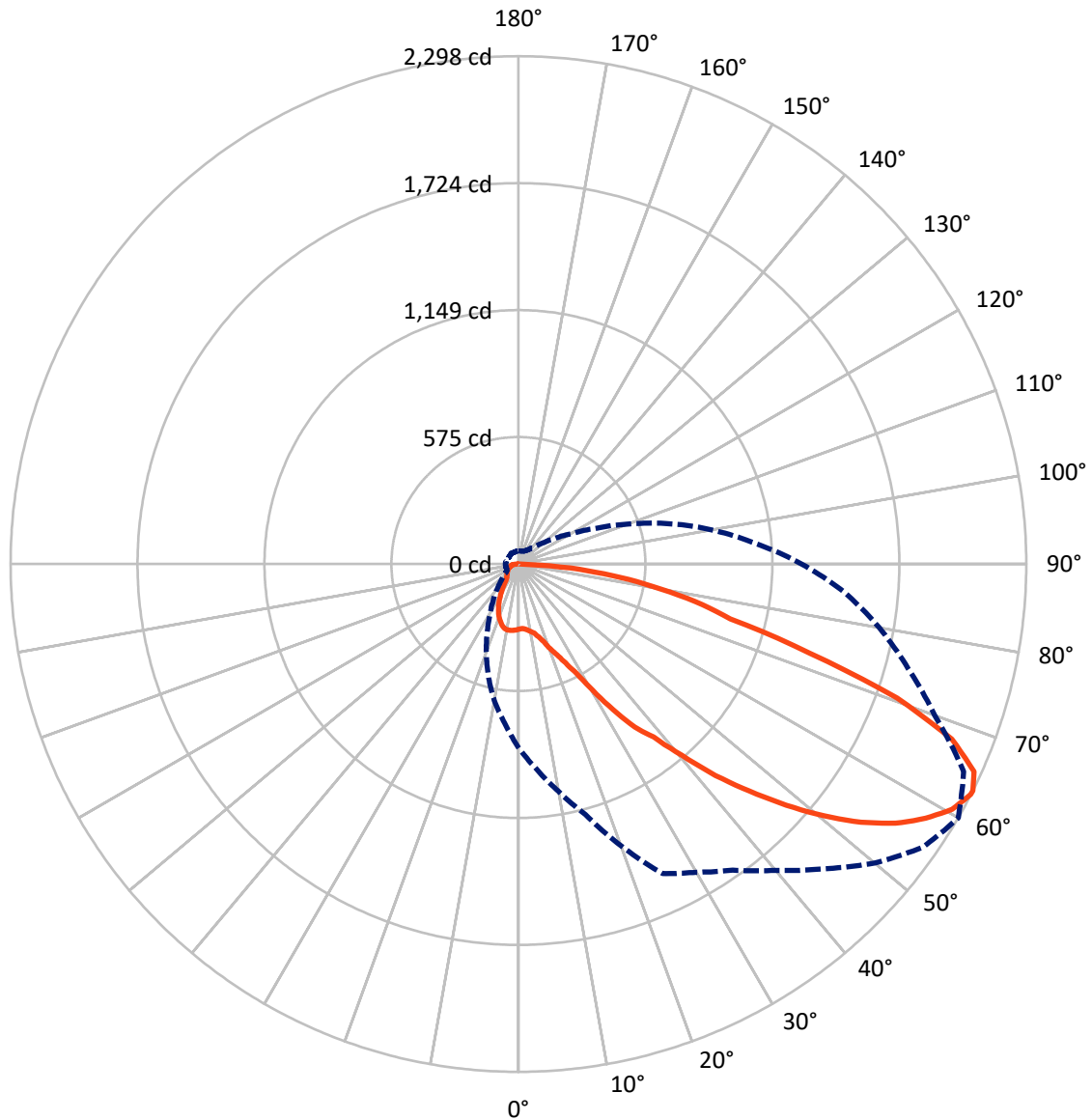
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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	509.2	0.0	509.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1839.1	0.0	1839.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	2348.4	0.0	2348.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	1.2
10°-20°	89.5	3.8
20°-30°	158.9	6.8
30°-40°	250.3	10.7
40°-50°	368.4	15.7
50°-60°	489.3	20.8
60°-70°	539.0	23.0
70°-80°	338.2	14.4
80°-90°	86.1	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°	2348.4	100.0
0°-180°	2348.4	100.0



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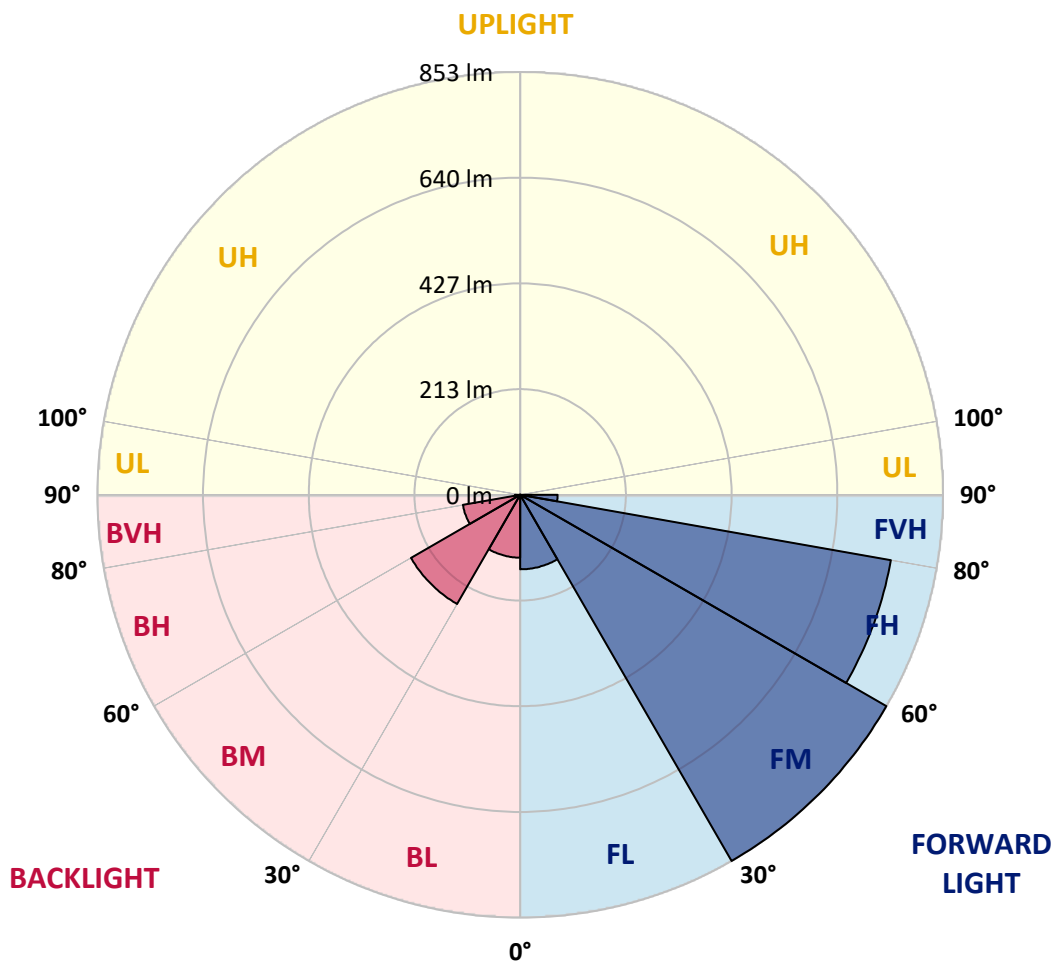
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.4	6.4			
FM	(30°-60°)	853.5	36.3			
FH	(60°-80°)	759.7	32.4			G1/1800
FVH	(80°-90°)	75.6	3.2			G1/100
BL	(0°-30°)	126.8	5.4	B1/500		
BM	(30°-60°)	254.5	10.8	B1/1000		
BH	(60°-80°)	117.4	5.0	B1/500		G1/500
BVH	(80°-90°)	10.5	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°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	291.2	291.7	291.7	291.5	291.5	292.0	291.7	291.5	290.6	291.7	291.7
5°	288.9	289.5	289.5	290.1	290.6	291.2	291.2	291.7	291.5	292.5	293.5
7.5°	291.7	292.3	293.5	294.8	295.6	297.6	297.6	299.1	299.6	300.4	300.2
10°	295.4	296.8	299.4	301.6	303.3	305.5	307.3	309.2	309.2	310.1	310.6
12.5°	301.9	303.3	306.1	308.9	311.4	314.2	316.8	318.8	320.7	321.2	322.4
15°	312.5	314.2	318.4	322.4	325.5	329.1	332.5	336.5	340.1	340.9	341.6
17.5°	328.6	332.0	335.0	342.1	346.6	351.4	356.7	362.4	363.5	369.4	370.8
20°	351.4	355.6	358.4	367.2	374.7	380.9	388.8	395.2	397.8	403.4	409.0
22.5°	390.8	389.9	394.1	402.9	408.5	420.8	427.7	434.4	437.7	446.2	450.7
25°	443.6	448.2	457.4	458.2	463.6	478.0	486.7	493.5	493.8	496.3	501.0
27.5°	495.8	514.3	528.9	536.8	551.1	564.4	563.8	573.4	558.4	561.6	566.0
30°	558.8	589.6	617.2	635.9	650.5	665.9	673.5	678.9	672.3	669.5	664.2
32.5°	617.8	661.1	703.6	736.5	763.8	789.4	806.3	813.9	822.9	845.7	853.9
35°	658.3	719.7	772.5	820.1	865.7	906.4	936.0	952.8	946.4	943.3	941.7
37.5°	682.5	757.3	823.4	890.7	943.0	1004.0	1049.9	1094.4	1104.5	1086.7	1078.0
40°	697.7	786.3	871.3	950.6	1018.4	1097.2	1154.0	1220.7	1271.3	1278.1	1257.3
42.5°	705.0	805.7	904.8	994.5	1086.2	1182.7	1254.7	1335.4	1411.2	1463.2	1450.3
45°	706.1	818.3	929.2	1034.2	1143.3	1257.8	1350.7	1440.1	1541.5	1630.6	1633.2
47.5°	706.1	828.0	946.1	1062.9	1194.5	1323.1	1424.4	1530.2	1654.2	1759.7	1792.1
50°	706.7	834.4	961.9	1085.4	1233.7	1378.2	1492.7	1617.6	1748.2	1863.0	1925.4
52.5°	709.2	839.2	974.2	1101.5	1259.0	1417.1	1545.9	1689.9	1819.9	1937.8	2018.5
55°	714.8	846.0	983.2	1111.3	1275.9	1442.4	1584.5	1739.5	1866.3	1985.9	2098.8
57.5°	730.6	857.8	994.2	1120.0	1285.1	1459.0	1611.5	1760.8	1884.0	2008.7	2141.2
60°	762.1	882.8	1013.1	1137.4	1300.6	1489.6	1624.4	1746.5	1871.1	2002.0	2150.8
62.5°	812.4	922.0	1039.3	1166.9	1344.8	1537.2	1614.5	1703.7	1820.2	1962.8	2116.7
63°	829.9	930.4	1045.2	1173.5	1356.9	1545.9	1610.4	1691.1	1809.8	1950.5	2104.7
65°	878.5	967.8	1073.3	1206.1	1406.6	1554.6	1577.4	1625.3	1737.8	1879.9	2033.2
67.5°	969.4	1058.7	1133.8	1261.2	1448.6	1520.3	1475.3	1481.2	1598.8	1745.9	1883.8
70°	1026.8	1133.2	1172.3	1268.2	1440.9	1469.4	1343.1	1264.9	1359.1	1526.7	1647.5
72.5°	1011.9	1134.1	1129.8	1174.5	1289.0	1315.5	1184.7	1061.5	1117.4	1242.6	1320.8
75°	866.7	1012.7	981.9	972.8	1013.1	1030.5	932.3	913.5	984.1	1053.6	1054.7
77.5°	624.0	784.7	748.3	696.3	693.5	733.7	746.9	870.5	974.8	1029.6	1005.5
80°	397.5	571.7	534.0	443.1	441.7	494.0	610.2	778.1	888.7	919.4	856.4
82.5°	207.7	374.2	388.5	332.5	380.6	467.3	580.6	627.0	669.0	673.3	599.0
85°	129.4	230.2	270.7	279.4	343.8	414.4	413.6	397.2	378.7	324.0	293.2
87.5°	14.6	29.0	43.9	41.7	56.0	78.4	97.9	57.4	40.2	14.6	20.2
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°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	292.3	292.5	292.8	292.8	294.3	294.0	294.3	294.8	295.6	296.3	296.8
5°	294.5	294.5	295.6	296.5	298.2	299.4	299.9	301.6	303.5	303.0	304.7
7.5°	301.9	301.6	302.7	303.3	304.7	306.6	306.3	307.8	309.4	310.1	311.4
10°	311.7	310.9	310.9	310.3	310.6	310.1	310.1	310.1	311.2	310.9	312.0
12.5°	321.9	321.6	321.0	319.3	319.3	317.1	316.0	314.5	314.2	312.2	312.5
15°	342.7	342.7	341.6	338.1	335.3	333.4	330.6	328.6	325.8	322.1	320.1
17.5°	373.1	369.1	367.7	367.2	362.6	360.9	354.7	348.3	345.2	340.1	337.3
20°	410.2	409.3	403.7	400.9	395.2	387.4	379.5	371.1	366.0	359.8	356.5
22.5°	452.1	445.9	443.1	438.9	430.2	421.1	409.3	398.0	390.2	386.0	383.4
25°	501.0	494.8	492.0	486.4	475.8	466.1	451.5	438.3	431.3	424.2	420.3
27.5°	566.0	560.1	556.8	542.1	538.4	522.7	504.7	486.7	477.4	467.0	460.2
30°	663.1	663.4	645.9	628.2	609.9	582.6	563.8	543.5	528.3	513.5	498.5
32.5°	827.2	785.2	752.8	714.8	675.2	646.2	622.9	598.7	577.6	556.0	531.2
35°	927.3	907.0	865.1	795.6	755.6	720.5	694.6	665.4	639.5	601.2	563.5
37.5°	1040.3	993.4	942.5	903.9	858.7	817.8	774.5	741.3	696.6	645.1	591.6
40°	1205.5	1138.2	1076.9	1025.2	966.6	923.9	875.5	827.4	768.1	693.5	620.1
42.5°	1377.9	1308.5	1227.5	1160.2	1091.3	1041.2	981.2	913.8	826.5	734.3	644.6
45°	1558.9	1466.0	1368.9	1286.8	1215.0	1152.8	1078.7	989.1	882.8	770.9	667.4
47.5°	1737.2	1630.6	1514.9	1426.6	1333.3	1257.3	1166.1	1053.1	926.7	805.5	690.1
50°	1894.5	1791.8	1652.5	1540.3	1445.8	1352.1	1238.4	1102.3	961.3	835.2	710.7
52.5°	2030.1	1941.8	1795.1	1653.4	1544.5	1439.3	1296.7	1142.0	996.2	862.8	727.6
55°	2129.6	2070.9	1935.9	1760.0	1631.4	1506.0	1345.9	1180.2	1029.1	884.8	738.4
57.5°	2204.8	2172.1	2056.3	1860.4	1711.3	1570.7	1396.8	1226.0	1061.8	903.6	743.5
60°	2245.9	2254.8	2147.4	1948.2	1782.0	1624.7	1447.8	1265.2	1085.9	914.6	740.7
62.5°	2242.0	2297.1	2215.8	2002.2	1823.0	1656.8	1482.1	1283.4	1082.6	897.2	715.1
63°	2234.3	2298.4	2223.3	2005.9	1825.6	1657.9	1482.9	1280.9	1075.5	888.7	705.0
65°	2168.8	2266.1	2216.9	1989.3	1803.0	1636.8	1465.2	1244.4	1026.0	843.4	653.0
67.5°	1993.3	2115.0	2100.9	1872.0	1696.4	1549.5	1374.6	1126.4	903.6	732.0	553.4
70°	1703.2	1817.7	1820.2	1628.1	1481.5	1337.4	1192.0	916.6	716.3	567.5	412.7
72.5°	1305.4	1379.1	1404.7	1278.1	1179.9	1078.7	948.1	665.4	510.6	386.0	268.7
75°	1010.8	990.6	990.3	936.8	896.9	847.4	703.9	449.0	335.3	251.0	164.2
77.5°	908.7	818.7	731.5	667.4	635.2	618.7	461.7	270.7	197.8	144.4	94.5
80°	749.4	616.7	498.2	429.0	401.5	420.6	257.4	146.3	108.3	82.2	61.3
82.5°	516.8	429.0	326.0	270.1	231.8	242.5	131.7	74.8	50.1	45.9	38.0
85°	269.2	236.1	199.2	171.1	151.1	132.7	68.4	35.8	20.8	18.2	16.6
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°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	297.6	297.4	297.9	298.2	299.1	299.6	299.9	299.4	300.2	301.0	300.4
5°	305.5	307.5	307.8	308.6	308.6	310.3	310.3	310.3	310.1	310.3	309.7
7.5°	312.2	314.8	315.1	316.2	316.5	318.4	317.6	318.1	318.1	316.8	316.2
10°	313.2	315.6	317.1	318.4	320.4	323.0	323.0	324.4	324.4	323.2	323.0
12.5°	313.4	315.3	316.8	318.8	321.6	325.2	327.2	329.1	330.1	329.7	328.9
15°	319.3	319.3	319.6	321.2	323.2	327.8	330.6	332.8	334.2	333.7	332.2
17.5°	334.8	332.5	330.9	328.1	328.6	330.9	332.5	334.5	334.8	334.2	332.0
20°	352.7	349.9	345.8	341.2	339.0	337.3	336.2	336.2	335.3	332.5	328.9
22.5°	378.3	374.7	368.8	362.1	357.6	352.2	345.8	339.6	332.8	326.0	318.1
25°	413.9	408.8	402.6	392.1	382.6	371.4	358.1	344.4	328.3	314.2	302.7
27.5°	449.5	438.3	422.3	408.0	390.2	373.4	354.5	337.6	317.1	300.2	287.6
30°	479.1	457.7	434.6	411.9	388.5	365.7	343.2	323.0	300.4	283.3	270.9
32.5°	501.9	472.3	440.3	410.5	381.8	353.9	328.1	305.5	282.7	265.0	251.8
35°	523.0	482.0	441.1	404.2	368.8	339.9	310.6	286.1	262.0	243.3	229.0
37.5°	538.8	486.4	436.1	392.7	351.9	319.6	289.7	264.8	240.0	219.7	203.4
40°	548.9	483.6	425.1	376.2	332.0	297.9	267.6	241.7	217.7	195.5	175.9
42.5°	557.0	480.0	414.1	360.9	316.2	279.1	247.9	220.0	195.9	171.6	149.9
45°	569.1	482.8	409.3	350.3	302.2	263.0	228.7	199.8	174.4	150.8	129.9
47.5°	580.9	484.1	402.3	337.0	284.5	246.4	211.6	183.4	157.5	135.9	116.8
50°	591.6	483.3	391.3	320.1	267.3	229.8	196.1	168.0	142.4	122.4	104.4
52.5°	596.7	478.5	377.8	303.8	253.5	215.2	180.9	153.6	128.3	109.4	92.8
55°	596.2	466.1	360.1	288.4	238.2	199.8	166.0	139.0	116.2	98.8	84.4
57.5°	587.7	447.0	341.2	271.2	218.3	180.6	148.5	122.4	103.2	88.6	76.5
60°	569.9	422.6	316.5	246.1	193.3	157.0	126.8	104.4	88.9	77.6	69.7
62.5°	536.8	387.4	285.6	211.3	159.5	126.3	100.1	85.5	74.0	67.3	63.6
63°	526.9	377.8	272.3	202.8	151.6	119.3	94.5	79.4	70.9	65.0	61.7
65°	478.0	330.9	227.9	163.7	117.9	92.0	76.0	64.5	59.4	56.8	56.6
67.5°	387.2	260.2	161.2	112.2	80.2	66.4	58.2	53.5	51.2	50.7	51.2
70°	271.8	164.2	102.4	74.5	59.4	53.5	49.8	47.9	46.4	46.7	47.3
72.5°	173.3	98.4	70.4	56.6	50.1	46.9	45.3	44.8	44.5	44.1	44.1
75°	98.8	65.6	54.0	48.9	45.6	43.0	41.7	41.0	41.3	41.7	41.0
77.5°	65.3	54.0	48.1	44.8	41.7	38.9	38.0	37.7	38.2	38.9	38.9
80°	51.5	48.1	44.8	41.3	36.3	34.3	34.9	35.1	34.9	35.1	34.3
82.5°	36.3	35.8	36.6	35.1	30.1	28.4	27.9	28.1	27.6	27.6	27.0
85°	16.9	16.9	17.7	17.7	17.2	17.4	18.9	20.5	21.3	20.5	19.4
87.5°	0.0	0.0	0.0	0.0	0.0	2.5	5.1	7.4	7.9	9.8	9.5
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°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	299.6	300.2	299.9	299.6	300.2	299.6	299.9	299.6	299.6	299.4	299.4
5°	309.2	310.1	308.3	308.1	307.5	306.1	306.1	305.5	305.5	304.4	303.5
7.5°	315.3	315.6	314.2	314.0	312.5	311.2	310.1	308.9	308.6	307.8	306.1
10°	321.2	320.7	319.6	318.1	316.8	314.8	313.4	312.0	311.7	310.3	308.3
12.5°	326.3	326.0	323.8	322.4	320.1	318.1	316.5	314.8	314.0	312.2	309.4
15°	329.7	328.1	325.2	322.7	320.1	317.9	316.0	314.0	313.2	311.2	308.3
17.5°	328.3	325.2	321.6	318.4	315.1	312.2	310.6	308.6	307.3	306.1	302.2
20°	323.2	318.8	313.2	309.4	305.0	301.3	300.2	298.2	297.1	292.8	287.8
22.5°	310.1	303.5	296.5	291.2	286.1	282.5	279.7	277.7	274.8	272.3	264.5
25°	293.5	286.1	278.8	272.3	265.6	260.0	254.9	250.1	248.7	243.3	235.8
27.5°	277.4	269.2	262.0	254.3	245.6	238.5	229.8	223.1	218.5	213.0	205.9
30°	260.2	252.0	242.2	232.1	222.0	214.4	204.6	196.4	190.8	184.9	178.3
32.5°	238.5	228.7	216.9	205.7	196.4	187.4	177.5	169.6	164.0	158.7	152.4
35°	213.8	200.8	188.2	175.9	166.0	158.3	149.6	143.7	139.8	135.0	128.6
37.5°	185.4	170.8	157.3	147.7	139.0	131.7	125.5	121.9	117.6	115.0	111.1
40°	156.7	142.4	129.1	120.4	113.1	108.9	105.5	104.7	101.9	98.4	96.0
42.5°	131.4	117.6	104.7	97.6	92.8	91.7	90.1	90.1	88.6	86.1	84.4
45°	114.2	99.9	88.6	83.5	81.0	80.7	79.9	79.9	79.6	78.4	76.5
47.5°	101.9	88.9	80.2	77.1	76.5	76.0	75.1	74.8	74.5	73.7	72.5
50°	90.6	79.6	74.0	72.5	72.8	72.0	71.2	70.4	70.1	69.2	68.1
52.5°	80.2	72.3	68.6	67.8	67.8	67.8	67.3	67.3	66.6	66.4	65.3
55°	74.3	68.4	66.4	66.1	65.8	65.6	65.0	65.0	64.5	64.1	62.7
57.5°	69.2	65.6	64.5	63.8	63.6	63.0	62.7	62.7	62.7	62.7	61.0
60°	65.3	63.6	63.3	62.7	62.5	61.3	60.7	60.5	60.7	61.0	59.4
62.5°	61.0	60.7	60.5	59.9	59.7	58.5	57.7	57.1	57.7	58.2	57.9
63°	59.9	59.7	59.7	59.4	59.1	57.7	56.8	56.3	56.8	57.4	57.4
65°	56.0	56.3	56.3	56.0	55.8	54.8	53.8	53.2	53.5	54.3	54.6
67.5°	51.8	52.0	51.8	52.0	51.8	51.2	50.4	49.8	49.5	49.8	50.1
70°	47.9	48.4	48.1	47.9	47.6	47.6	46.9	46.1	45.9	45.6	45.6
72.5°	44.5	44.5	43.9	43.9	43.6	43.6	43.0	42.2	42.0	42.0	41.3
75°	40.8	40.8	40.0	40.0	39.4	39.7	39.1	38.2	38.0	38.0	37.7
77.5°	38.5	37.7	36.3	36.0	35.8	35.8	35.4	34.6	34.3	34.3	34.0
80°	34.0	32.3	31.0	30.7	31.0	31.5	31.5	31.0	31.0	31.0	31.0
82.5°	26.4	25.9	25.1	24.5	24.5	25.3	26.4	27.0	27.6	28.1	28.1
85°	19.4	19.7	19.4	18.5	18.2	19.2	20.2	21.3	21.7	22.8	22.5
87.5°	10.4	10.7	9.8	9.5	10.4	11.0	12.1	12.3	13.0	13.3	13.5
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	299.1	298.8	299.1	298.4	298.4	297.9	297.4	297.1	296.5	296.3	295.6
5°	304.1	303.3	302.4	302.2	301.0	299.9	299.1	297.6	296.5	294.5	294.0
7.5°	307.5	305.5	304.4	304.1	302.4	301.6	299.6	297.9	296.3	293.7	292.8
10°	308.9	306.9	305.0	304.1	302.2	300.7	298.8	296.3	294.8	292.3	291.7
12.5°	310.6	306.9	303.8	301.6	298.8	295.6	293.7	292.3	290.4	288.9	288.4
15°	307.5	302.7	297.9	293.7	289.2	285.8	283.8	281.7	279.4	278.5	278.5
17.5°	299.1	292.8	284.7	279.4	274.6	270.9	268.4	266.1	265.9	264.8	265.3
20°	281.7	273.5	265.6	261.7	258.9	256.6	254.0	253.0	252.0	250.4	249.8
22.5°	257.4	250.7	245.1	242.2	240.0	237.2	234.9	231.5	230.7	229.0	228.2
25°	230.7	225.4	220.5	218.5	217.2	213.3	211.8	207.4	204.2	202.3	203.4
27.5°	203.9	200.0	195.5	193.0	192.1	188.5	187.0	182.0	179.5	179.5	176.7
30°	176.4	172.7	169.9	167.2	166.5	162.1	158.3	156.4	153.6	152.4	150.5
32.5°	150.5	146.8	144.6	143.2	140.9	137.3	133.7	130.3	125.8	124.0	123.2
35°	126.6	123.8	120.9	119.9	116.8	112.8	108.3	105.5	100.1	98.1	97.3
37.5°	108.3	105.0	103.0	99.9	96.8	92.5	89.2	86.6	84.7	83.8	83.8
40°	93.7	91.2	88.9	86.3	83.8	81.6	79.9	79.4	79.1	79.1	79.6
42.5°	82.7	80.4	79.4	77.9	77.1	77.1	76.8	77.1	77.4	77.6	78.4
45°	75.4	74.0	73.5	73.2	73.7	74.3	74.5	75.1	76.3	76.8	77.1
47.5°	71.5	70.4	70.1	70.4	71.2	72.3	73.5	74.3	75.1	75.4	75.6
50°	67.6	66.1	65.6	66.1	67.3	68.9	69.7	71.2	71.7	72.3	71.7
52.5°	64.1	63.0	62.7	62.7	63.8	65.0	66.1	67.3	67.6	67.6	67.3
55°	61.3	60.5	59.7	60.2	61.0	62.2	63.8	64.7	65.3	65.6	65.6
57.5°	59.1	58.2	57.4	57.9	58.8	59.9	61.7	62.5	63.0	63.8	64.1
60°	57.4	56.3	55.4	56.3	57.1	58.8	60.2	61.0	62.5	62.7	62.7
62.5°	55.8	54.6	53.2	54.0	54.0	54.8	56.3	57.4	58.8	59.4	59.4
63°	55.4	54.3	52.8	53.5	53.5	54.0	55.1	56.3	57.9	58.5	58.2
65°	53.2	52.8	51.5	51.5	50.9	51.5	52.3	53.5	54.3	55.1	55.1
67.5°	49.5	49.2	48.9	48.9	48.9	49.5	50.1	50.9	51.8	52.3	52.0
70°	45.3	45.3	45.3	45.6	45.6	46.1	46.4	46.1	46.9	47.6	47.3
72.5°	41.7	41.3	41.0	41.7	41.3	41.3	42.0	41.7	42.5	42.5	42.8
75°	37.7	37.4	37.4	37.7	37.1	36.6	36.9	36.9	37.1	37.1	37.7
77.5°	34.3	34.3	34.3	34.0	33.5	33.2	33.0	33.0	33.0	33.0	33.2
80°	31.2	31.2	31.2	31.0	30.4	29.8	29.2	29.0	28.7	27.3	27.3
82.5°	28.1	28.1	28.1	28.1	27.9	27.3	26.4	24.1	23.1	22.0	22.2
85°	22.2	22.8	23.3	24.1	23.9	23.9	22.2	19.4	17.7	16.6	16.9
87.5°	14.3	12.6	12.6	12.3	11.8	11.3	11.3	9.5	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°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	0°
2.5°	295.6	295.1	294.5	294.5	293.7	293.7	293.2	294.3	293.2	292.3	292.3	2.5°
5°	293.5	292.8	291.2	290.9	289.7	289.7	289.7	289.2	289.2	288.6	288.4	5°
7.5°	292.0	290.6	289.2	288.4	288.4	287.8	288.9	288.4	288.6	288.6	288.9	7.5°
10°	290.9	289.7	289.2	288.9	288.9	289.7	290.6	290.9	290.6	290.9	290.9	10°
12.5°	288.1	288.6	288.9	290.1	291.5	293.2	295.1	295.4	296.0	296.0	296.5	12.5°
15°	279.1	280.5	282.2	285.0	288.6	292.3	296.0	299.1	301.9	303.3	304.4	15°
17.5°	266.4	267.9	270.9	274.0	278.8	284.1	290.4	295.6	301.6	306.9	312.2	17.5°
20°	249.2	251.5	252.3	258.0	263.6	270.9	278.2	286.6	296.8	306.9	317.3	20°
22.5°	227.0	229.5	233.5	238.0	243.9	253.0	261.7	274.8	288.4	302.7	319.1	22.5°
25°	202.3	205.1	208.5	213.3	219.2	228.7	241.3	255.4	272.0	290.9	311.2	25°
27.5°	176.7	179.5	182.3	185.7	192.4	202.6	217.5	232.1	250.4	270.9	294.5	27.5°
30°	151.1	151.4	153.1	157.3	164.2	177.5	188.5	206.7	225.9	247.6	274.8	30°
32.5°	122.9	122.7	124.7	128.3	135.0	147.7	161.2	179.0	197.8	225.1	253.2	32.5°
35°	97.9	97.9	101.6	105.2	112.8	121.9	133.7	149.4	171.6	196.9	225.1	35°
37.5°	84.7	86.6	88.9	92.5	98.4	105.5	116.0	129.7	147.2	171.3	197.2	37.5°
40°	80.4	81.6	83.5	86.9	92.0	98.4	106.0	116.5	129.9	149.4	173.1	40°
42.5°	78.8	79.1	80.2	82.7	87.3	93.7	101.6	110.9	120.9	134.7	155.3	42.5°
45°	77.1	76.8	77.4	79.4	83.0	90.3	99.3	109.4	119.6	131.1	148.0	45°
47.5°	75.6	75.6	75.6	76.5	79.9	87.3	97.6	109.4	121.6	134.5	151.1	47.5°
50°	71.7	71.5	71.5	72.0	74.5	82.4	94.8	109.1	124.9	141.8	160.6	50°
52.5°	67.3	67.3	67.6	67.8	70.1	77.9	91.7	109.1	128.8	151.4	175.0	52.5°
55°	65.8	66.1	66.4	66.1	67.8	74.5	88.3	107.5	130.6	159.0	190.5	55°
57.5°	64.7	65.3	65.3	65.0	66.1	71.7	85.0	104.0	129.1	161.8	201.5	57.5°
60°	63.0	63.0	63.0	62.2	62.7	67.8	79.9	98.8	124.7	159.3	203.1	60°
62.5°	59.4	59.4	58.8	58.5	58.2	62.2	73.2	90.9	116.5	152.4	198.9	62.5°
63°	58.5	58.2	58.2	57.4	57.4	61.0	71.7	89.7	114.2	150.8	197.2	63°
65°	55.4	55.4	55.4	54.8	54.6	57.4	66.1	81.9	105.5	142.9	188.8	65°
67.5°	52.0	52.3	51.8	51.5	51.2	52.8	59.7	72.0	92.0	126.3	173.1	67.5°
70°	47.3	47.6	47.6	47.3	46.9	48.1	52.3	61.9	76.3	105.2	147.5	70°
72.5°	43.0	43.6	43.6	44.1	44.1	45.0	46.7	51.5	61.0	82.2	116.0	72.5°
75°	38.5	38.9	39.4	40.0	39.4	39.1	39.4	43.0	47.9	60.7	82.7	75°
77.5°	34.6	35.4	35.4	35.1	34.3	33.8	33.8	35.4	39.4	46.1	59.1	77.5°
80°	28.7	30.1	30.4	29.5	28.7	28.7	29.2	30.4	33.0	38.0	44.8	80°
82.5°	23.1	24.5	24.8	25.1	24.8	25.6	25.6	25.9	27.3	31.2	36.6	82.5°
85°	17.7	18.9	19.7	20.0	20.2	20.5	20.2	18.9	19.7	22.2	24.8	85°
87.5°	7.9	8.2	7.6	7.9	7.6	7.9	8.2	6.7	6.4	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°
295.1	295.1	295.1	295.1	295.1	295.1	295.1
292.0	292.0	292.3	291.7	291.7	292.0	291.2
287.6	288.6	288.6	288.6	288.1	288.6	288.9
288.6	289.5	290.1	290.1	289.7	290.9	291.7
290.1	291.5	292.0	292.0	292.0	293.5	295.4
295.4	296.5	297.4	297.4	297.9	299.6	301.9
305.3	306.6	306.6	306.3	308.1	310.1	312.5
316.2	320.1	322.1	321.9	323.2	325.8	328.6
326.6	337.6	342.4	345.8	347.2	350.6	351.4
335.3	353.7	366.8	378.1	383.4	386.8	390.8
332.2	357.0	380.6	403.7	420.0	436.6	443.6
319.6	350.6	381.5	415.2	444.8	474.3	495.8
304.1	341.2	382.9	430.7	477.4	522.7	558.8
286.4	332.5	386.0	445.1	506.4	565.8	617.8
264.1	316.0	378.3	446.4	518.8	590.8	658.3
236.1	293.5	360.6	436.4	519.4	601.8	682.5
207.9	265.0	338.1	421.8	512.0	604.2	697.7
188.2	239.7	315.3	403.1	500.2	600.3	705.0
174.7	221.5	295.1	386.2	487.6	593.4	706.1
173.6	213.6	281.9	373.9	477.4	587.2	706.1
183.1	217.7	277.4	367.7	473.2	585.2	706.7
201.1	234.6	285.6	372.4	476.6	587.7	709.2
222.8	260.2	307.5	389.1	490.9	596.2	714.8
242.5	289.7	344.9	421.1	517.1	617.5	730.6
254.0	315.1	384.6	466.1	561.9	660.0	762.1
255.4	329.1	419.8	515.1	616.1	708.7	812.4
254.3	330.3	424.2	524.4	627.7	720.7	829.9
248.1	330.6	436.9	557.0	667.6	771.7	878.5
232.3	321.6	441.5	582.6	717.9	838.7	969.4
205.1	296.0	428.2	583.2	737.4	876.1	1026.8
164.9	247.3	371.1	530.6	686.1	839.2	1011.9
120.7	181.8	280.5	411.0	559.9	698.5	866.7
80.2	117.6	189.0	292.8	401.5	502.7	624.0
55.1	72.8	110.6	176.1	245.6	294.8	397.5
40.5	48.1	61.3	90.1	118.1	145.5	207.7
25.3	27.6	30.7	44.5	63.6	85.8	129.4
6.7	7.0	6.4	8.7	13.8	13.3	14.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)