

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: P153295

Luminaire Tested: **VXS-F02-LED-E1-SLR**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153295
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-F02-LED-E1-SLR
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4594 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

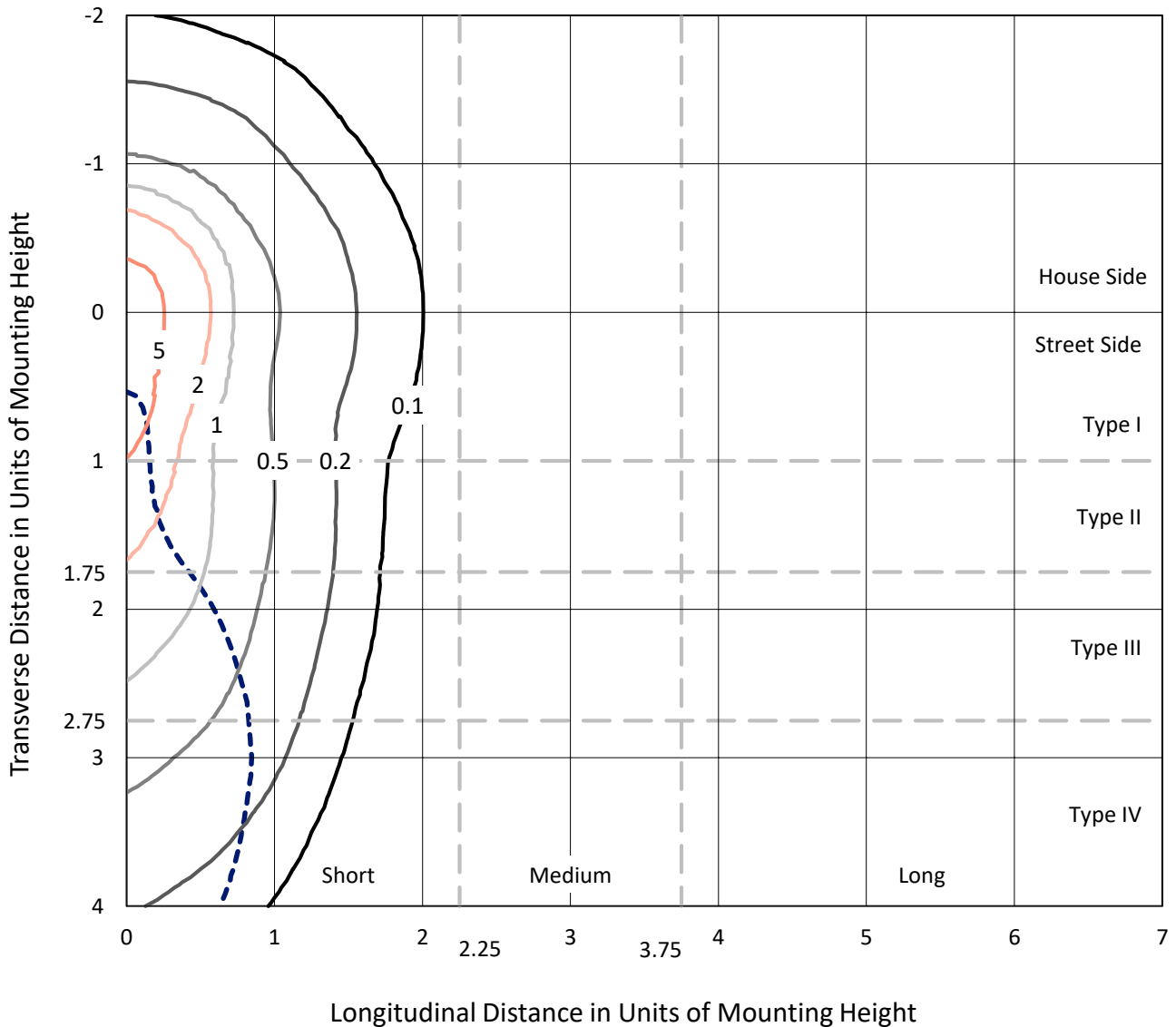
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

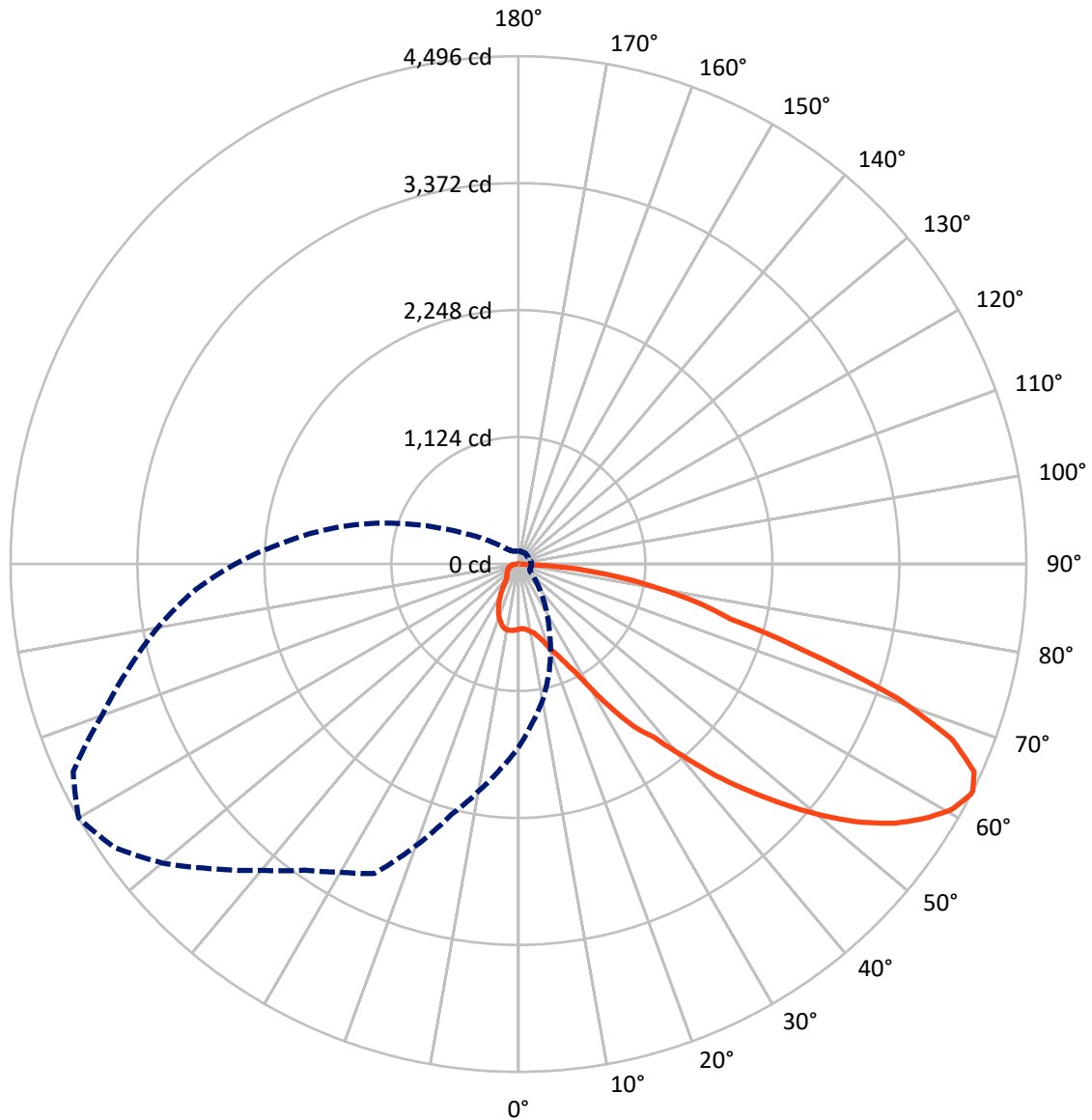
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	996.2	0.0	996.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3597.8	0.0	3597.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	4594.0	0.0	4594.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	1.2
10°-20°	175.0	3.8
20°-30°	310.9	6.8
30°-40°	489.7	10.7
40°-50°	720.6	15.7
50°-60°	957.2	20.8
60°-70°	1054.4	23.0
70°-80°	661.5	14.4
80°-90°	168.5	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°	4594.0	100.0
0°-180°	4594.0	100.0



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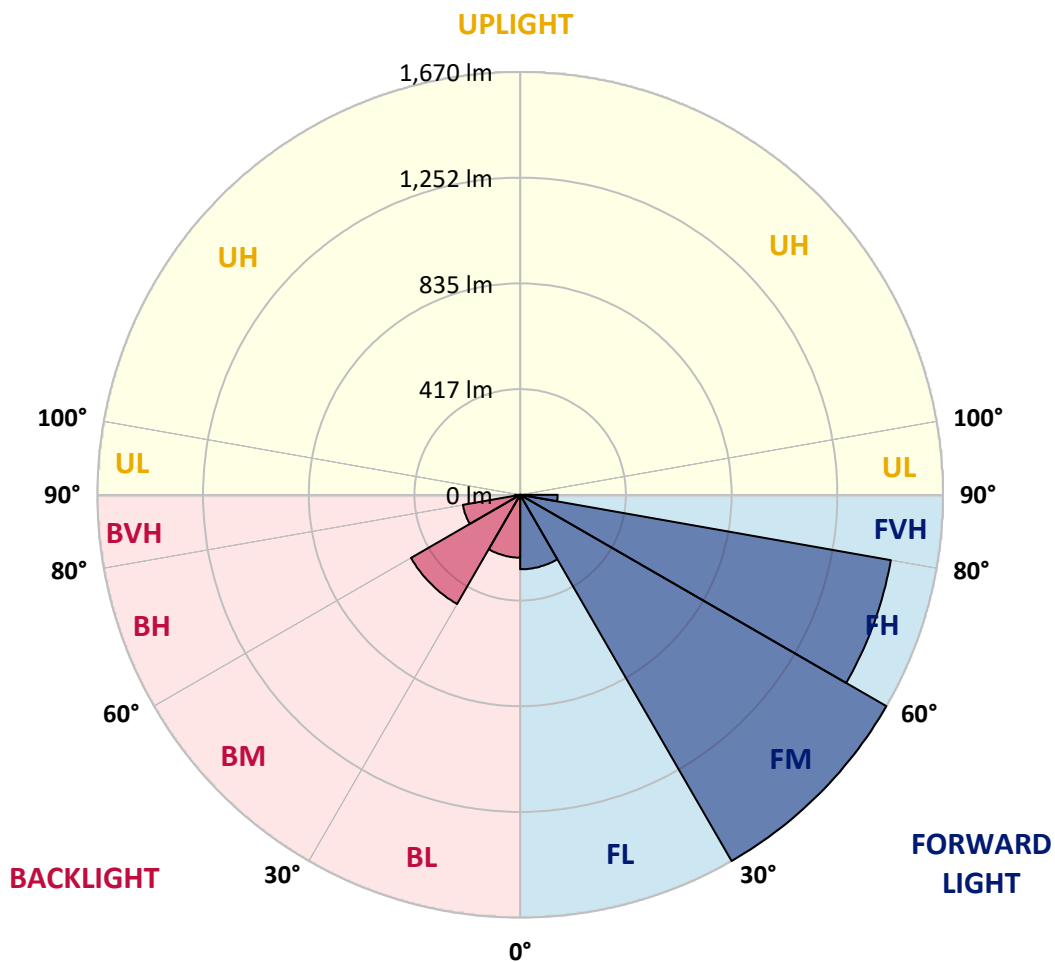
CATALOG NUMBER: VXS-F02-LED-E1-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.2	6.4			
FM (30°-60°)	1669.6	36.3			
FH (60°-80°)	1486.2	32.4			G1/1800
FVH (80°-90°)	147.8	3.2			G2/225
BL (0°-30°)	248.0	5.4	B1/500		
BM (30°-60°)	497.9	10.8	B1/1000		
BH (60°-80°)	229.6	5.0	B1/500		G1/500
BVH (80°-90°)	20.6	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	569.6	571.3	570.7	570.7	571.8	571.3	571.3	571.8	571.8	573.5	575.6
5°	565.2	564.7	563.5	564.7	564.7	564.7	562.5	564.1	564.7	565.8	565.8
7.5°	570.7	569.0	566.8	567.5	567.5	566.3	564.7	565.2	564.7	564.7	564.1
10°	577.8	574.0	571.3	571.3	571.3	570.2	567.5	569.0	569.0	568.5	569.0
12.5°	590.6	586.1	582.8	581.8	581.8	580.1	577.8	580.1	579.0	579.0	577.8
15°	611.4	606.5	602.6	599.4	599.9	599.9	597.1	595.4	593.3	590.6	585.0
17.5°	642.8	637.3	632.3	629.6	630.2	626.3	618.5	610.9	600.4	589.9	578.4
20°	687.4	685.7	679.2	676.4	669.7	660.4	639.0	620.8	600.4	580.6	560.8
22.5°	764.5	756.7	750.2	739.7	717.6	691.8	656.1	624.1	592.2	564.1	537.7
25°	867.9	854.1	821.7	789.7	744.7	698.4	649.9	608.7	569.0	532.2	499.7
27.5°	969.7	927.9	870.1	812.3	746.3	685.7	625.2	576.2	529.9	489.8	454.0
30°	1093.0	1022.6	934.0	842.6	749.0	667.6	594.9	537.7	484.4	442.0	404.5
32.5°	1208.6	1106.7	990.7	870.7	755.1	650.5	560.2	495.3	440.3	386.9	350.1
35°	1287.8	1155.8	1014.8	873.4	740.2	618.0	516.8	440.3	385.3	335.8	292.2
37.5°	1335.1	1177.2	1016.0	853.6	705.6	574.0	461.8	385.8	335.1	287.9	253.7
40°	1364.9	1182.2	1001.7	825.0	661.6	518.4	406.7	338.4	292.2	254.3	227.9
42.5°	1379.2	1174.4	978.5	788.6	616.9	468.9	368.2	303.8	263.6	236.7	216.8
45°	1381.3	1160.7	953.8	755.6	577.3	433.2	341.8	289.5	256.5	233.9	214.1
47.5°	1381.3	1148.6	934.0	731.4	551.4	417.7	339.6	295.5	263.1	237.7	214.1
50°	1382.5	1144.8	925.7	719.3	542.7	426.0	358.2	314.3	277.4	244.4	213.6
52.5°	1387.5	1149.6	932.3	728.7	558.7	459.0	393.5	342.3	296.1	252.0	213.6
55°	1398.4	1166.2	960.3	761.1	601.6	509.1	435.9	372.5	311.0	255.3	210.3
57.5°	1429.2	1208.0	1011.5	823.8	674.7	566.8	474.4	394.1	316.5	252.6	203.6
60°	1490.9	1291.1	1099.1	911.9	752.3	616.4	497.0	397.3	311.5	243.8	193.2
62.5°	1589.4	1386.3	1205.3	1007.7	821.1	643.9	499.7	389.1	298.2	227.9	177.7
63°	1623.5	1409.9	1227.9	1025.8	829.9	646.1	497.5	385.8	295.0	223.4	175.5
65°	1718.8	1509.6	1306.0	1089.7	854.7	646.6	485.4	369.3	279.6	206.4	160.1
67.5°	1896.5	1640.6	1404.5	1139.8	863.5	629.0	454.6	338.4	247.2	180.0	140.9
70°	2008.8	1713.8	1442.5	1140.8	837.6	579.0	401.2	288.4	205.8	149.1	121.0
72.5°	1979.6	1641.7	1342.3	1037.9	725.9	483.7	322.5	226.7	160.7	119.4	100.7
75°	1695.6	1366.5	1095.2	804.0	548.7	355.5	236.1	161.8	118.9	93.6	84.2
77.5°	1220.7	983.5	785.4	573.0	369.8	230.1	156.9	115.5	90.3	77.1	69.3
80°	777.6	576.8	480.4	344.6	216.3	142.6	107.9	87.5	74.3	64.4	59.5
82.5°	406.1	284.6	231.2	176.1	120.0	94.1	79.3	71.5	61.1	53.4	50.7
85°	253.2	167.9	124.4	86.9	60.0	53.9	49.5	48.4	43.5	38.5	36.9
87.5°	28.6	25.9	26.9	17.1	12.6	13.8	13.2	17.6	17.1	12.6	13.2
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°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	573.5	574.6	574.6	576.2	576.2	577.3	578.4	578.4	579.5	580.1	581.1
5°	566.8	566.8	566.8	569.0	569.6	573.0	574.0	575.1	576.2	580.1	582.3
7.5°	565.2	563.0	564.1	564.1	565.8	568.5	571.3	573.0	574.6	579.5	582.8
10°	568.5	566.8	565.2	565.2	565.8	566.8	569.0	570.7	571.8	576.8	579.5
12.5°	577.3	573.5	570.2	567.5	565.2	564.7	563.5	564.1	565.2	568.0	571.8
15°	579.0	571.8	564.7	557.5	552.0	548.7	545.9	544.9	544.9	546.5	550.9
17.5°	568.0	555.9	545.4	536.1	529.9	523.9	521.1	519.0	517.9	520.1	520.6
20°	544.2	529.9	515.6	504.7	493.7	492.0	487.6	488.7	489.8	493.2	494.7
22.5°	511.8	494.7	477.2	465.6	456.8	449.1	444.1	446.3	448.0	451.3	453.0
25°	472.2	447.5	428.7	417.2	407.8	401.2	395.8	397.9	395.8	399.6	405.6
27.5°	425.4	396.3	376.5	363.2	356.6	351.1	345.6	345.6	351.1	351.1	356.1
30°	368.7	347.3	321.5	307.7	299.4	296.1	295.5	294.4	298.2	300.5	306.0
32.5°	315.3	288.9	264.1	251.0	243.8	240.0	240.5	241.0	242.7	246.0	254.8
35°	261.5	238.3	220.7	205.8	198.7	191.5	191.5	190.5	192.0	196.0	206.4
37.5°	226.7	206.4	192.6	181.0	173.9	169.5	165.7	164.0	164.0	165.7	169.5
40°	207.5	192.6	180.0	170.1	163.4	159.6	157.4	155.8	154.6	154.6	155.2
42.5°	198.7	183.3	170.6	161.8	156.9	154.6	154.1	153.6	151.9	151.3	150.8
45°	194.3	176.7	162.4	155.2	151.3	150.3	150.8	150.8	150.3	149.1	146.9
47.5°	191.0	170.6	156.3	149.7	148.1	148.1	148.1	148.1	147.5	146.9	145.3
50°	185.5	161.2	145.8	140.9	139.8	139.8	140.3	140.3	141.5	140.3	139.3
52.5°	179.4	152.4	137.0	132.6	132.1	131.5	131.5	131.5	132.1	132.1	131.5
55°	172.8	145.8	132.6	129.3	129.8	129.3	128.8	128.2	128.2	127.7	126.6
57.5°	166.2	140.3	129.3	127.2	127.7	127.7	126.6	125.5	125.0	123.3	122.2
60°	156.3	132.6	122.7	121.7	123.3	123.3	123.3	122.7	122.7	122.2	119.4
62.5°	143.1	121.7	113.9	114.5	115.0	116.2	116.2	116.2	116.2	115.0	112.2
63°	140.3	119.4	112.2	112.2	113.9	113.9	114.5	113.9	114.5	113.4	110.1
65°	129.3	112.2	106.7	107.4	108.4	108.4	108.4	107.9	107.9	106.2	104.6
67.5°	116.7	103.4	100.2	100.7	101.2	102.4	101.9	101.9	102.4	101.2	99.6
70°	102.4	94.1	91.9	92.4	93.1	93.1	92.4	92.4	93.1	91.9	90.3
72.5°	91.4	88.1	86.4	86.4	85.3	85.3	84.2	83.6	83.1	83.1	81.5
75°	77.1	76.5	77.1	78.1	77.1	76.0	75.4	73.8	72.6	72.6	72.1
77.5°	66.0	66.0	67.2	68.8	69.3	69.3	67.7	65.0	64.4	64.4	64.4
80°	57.2	56.2	56.2	57.8	59.5	58.9	56.2	53.4	53.4	56.2	56.7
82.5°	50.1	50.1	48.4	49.0	48.4	47.9	45.1	43.5	42.9	45.1	47.4
85°	39.6	40.2	39.6	39.1	38.5	36.9	34.7	33.1	32.4	34.7	37.9
87.5°	16.0	15.4	14.8	15.4	14.8	16.0	15.4	14.3	13.8	15.4	18.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	581.8	582.8	583.9	583.9	585.0	584.5	585.0	585.6	585.6	586.1	586.1
5°	585.0	586.6	588.9	591.1	591.6	593.3	594.9	593.8	595.4	597.7	597.7
7.5°	586.1	589.9	591.6	594.9	595.4	597.7	601.6	598.8	602.1	603.7	604.2
10°	584.5	588.3	591.1	594.9	596.6	600.4	604.2	603.2	607.0	609.7	610.4
12.5°	574.6	578.4	584.5	589.9	594.4	600.4	607.6	605.4	610.9	614.2	615.9
15°	555.3	559.2	565.8	574.6	582.8	592.2	601.6	603.2	608.7	612.5	614.2
17.5°	525.1	529.9	537.1	546.5	557.0	573.0	585.0	591.1	598.8	600.9	603.7
20°	497.0	502.0	506.3	511.8	519.5	534.9	550.9	563.0	573.0	581.1	583.4
22.5°	459.6	463.9	469.4	473.9	479.4	490.4	503.5	517.3	532.7	537.7	543.2
25°	414.4	417.2	424.9	427.7	431.5	440.8	451.3	461.2	476.1	486.5	489.2
27.5°	366.0	368.7	375.9	377.5	382.5	391.3	399.0	402.9	416.6	427.7	436.5
30°	309.8	317.0	325.8	326.9	332.4	337.9	345.1	348.9	361.6	373.2	384.1
32.5°	261.5	268.6	275.8	280.1	282.9	287.3	294.4	298.2	310.4	320.8	331.8
35°	211.9	220.7	228.4	234.4	236.7	242.2	247.7	251.5	264.1	273.6	281.2
37.5°	174.5	181.0	189.3	195.3	201.5	205.3	211.9	217.4	225.1	230.1	238.3
40°	156.3	159.6	164.0	168.9	173.9	178.3	183.3	187.7	192.6	199.3	204.8
42.5°	150.3	150.8	150.8	152.4	155.2	157.4	161.8	165.1	168.4	173.4	176.1
45°	145.8	145.3	144.1	143.1	143.6	144.8	147.5	149.7	153.6	155.8	156.3
47.5°	143.6	141.5	139.3	137.6	137.0	137.6	139.8	142.0	144.1	145.8	146.4
50°	136.5	134.8	131.5	129.3	128.2	129.3	132.1	133.2	135.3	137.0	137.6
52.5°	129.3	127.2	125.0	122.7	122.7	123.3	125.5	127.7	129.8	130.5	131.5
55°	125.0	121.7	119.4	117.8	116.7	118.3	120.0	122.7	125.5	126.0	127.2
57.5°	120.5	117.2	115.0	113.4	112.2	113.9	115.5	119.4	122.7	122.7	122.7
60°	117.8	115.0	111.7	110.1	108.4	110.1	112.2	116.2	119.4	118.9	118.3
62.5°	110.1	107.4	105.7	105.7	104.0	106.7	109.0	113.4	113.9	112.8	111.7
63°	107.9	105.7	104.6	104.6	103.4	106.2	108.4	112.2	112.2	111.2	110.1
65°	102.4	100.7	99.6	100.7	100.7	103.4	104.0	106.7	106.2	104.6	104.0
67.5°	97.9	96.9	95.8	95.8	95.8	96.3	96.9	97.9	97.4	96.9	97.4
70°	90.8	90.3	89.1	89.1	88.6	88.6	88.6	89.1	89.1	89.7	90.3
72.5°	82.0	80.9	80.9	81.5	80.3	80.9	81.5	80.9	82.0	82.0	82.6
75°	72.1	71.5	72.6	73.8	73.2	73.2	73.8	73.8	74.3	74.3	74.8
77.5°	64.4	65.0	65.5	66.6	67.2	67.2	67.2	66.6	67.2	67.2	67.7
80°	57.2	58.3	59.5	60.5	61.1	61.1	61.1	60.5	60.5	60.5	60.5
82.5°	51.7	53.4	54.5	55.0	55.0	55.0	55.0	55.0	55.0	53.9	52.8
85°	43.5	46.7	46.7	47.4	45.7	44.6	43.5	44.0	44.6	42.4	41.9
87.5°	22.0	22.0	23.1	24.2	24.8	24.8	28.1	26.4	25.9	25.3	24.2
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	586.6	586.1	587.3	586.1	586.6	587.3	586.1	587.8	588.9	587.3	585.6
5°	598.8	598.8	601.6	602.6	603.2	606.5	604.9	605.9	607.0	606.5	607.0
7.5°	606.5	608.7	611.4	614.2	614.7	617.5	616.9	618.5	619.7	622.5	622.5
10°	613.1	615.9	619.7	622.5	625.2	627.4	628.5	631.8	632.3	634.5	634.5
12.5°	619.2	622.5	626.3	630.7	633.5	637.8	638.4	643.3	645.0	645.6	643.9
15°	618.0	621.9	626.3	631.3	636.2	641.7	645.0	649.9	652.7	653.8	651.1
17.5°	607.6	610.9	616.4	623.0	629.0	636.2	642.3	649.4	653.8	654.9	654.4
20°	587.3	589.4	596.6	605.4	612.5	623.5	632.3	643.3	650.5	656.1	657.6
22.5°	547.0	552.5	559.7	569.6	580.1	593.8	606.5	622.5	637.8	651.1	664.2
25°	498.7	508.5	519.5	532.7	545.4	559.7	574.0	592.2	614.7	642.3	673.7
27.5°	449.6	466.7	480.4	497.5	512.3	526.7	542.7	562.5	587.3	620.2	660.4
30°	400.1	419.4	434.2	454.0	473.9	493.2	509.1	529.9	554.2	587.8	631.8
32.5°	347.3	366.5	384.1	402.3	424.4	447.5	466.7	492.5	518.4	553.1	597.7
35°	292.7	309.8	324.7	343.9	368.2	393.0	418.2	448.0	476.1	512.3	559.7
37.5°	245.5	257.5	271.9	288.9	307.7	334.1	362.7	397.9	429.8	469.4	517.9
40°	206.4	213.0	221.2	235.5	252.6	278.4	306.5	343.9	382.5	426.0	472.7
42.5°	176.1	179.4	181.7	191.0	204.8	230.1	257.0	293.4	335.8	383.0	430.4
45°	156.3	157.9	158.5	163.4	173.4	195.3	223.4	254.3	295.0	341.2	390.8
47.5°	146.9	148.6	149.7	150.8	156.9	173.9	199.3	228.4	265.8	308.2	358.9
50°	139.3	140.9	142.6	142.0	144.8	155.8	177.2	204.1	239.4	278.4	328.6
52.5°	131.5	132.6	132.6	132.6	134.3	141.5	156.9	181.7	214.1	251.0	300.5
55°	127.2	128.2	128.8	129.3	129.8	133.8	145.3	165.1	193.2	227.3	271.9
57.5°	122.7	123.3	124.4	125.0	126.0	128.2	135.3	149.7	173.4	202.0	239.4
60°	118.9	120.0	122.2	122.7	123.8	124.4	127.7	136.5	151.9	173.9	204.1
62.5°	112.8	114.5	116.7	117.2	118.3	118.9	119.4	124.4	131.5	144.8	167.4
63°	111.2	112.8	115.5	116.2	116.7	116.7	117.2	120.5	127.2	138.7	155.2
65°	105.1	107.4	109.0	109.5	110.1	110.1	109.5	110.6	111.2	116.2	126.0
67.5°	98.5	100.2	101.2	101.9	101.2	101.9	101.2	100.2	99.1	100.2	104.6
70°	91.9	93.1	93.1	93.6	94.1	94.6	93.6	92.4	91.4	90.8	93.6
72.5°	84.2	85.3	85.3	85.8	85.8	86.9	86.9	86.4	86.4	86.9	87.5
75°	76.5	77.6	77.1	78.1	78.1	79.8	79.8	80.3	81.5	80.9	80.3
77.5°	69.3	69.8	69.8	70.5	71.0	73.8	75.4	76.0	76.0	74.8	73.8
80°	61.7	61.7	60.5	60.0	60.5	63.3	66.6	67.2	68.8	68.3	68.8
82.5°	51.7	49.5	47.9	47.9	49.0	50.7	51.7	52.8	53.9	53.9	55.0
85°	39.6	37.4	35.8	36.4	37.9	38.5	37.9	37.9	40.2	41.9	40.2
87.5°	23.6	21.5	20.4	18.8	19.3	20.9	20.4	18.8	19.3	15.4	14.3
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	586.6	586.1	585.0	583.4	582.8	581.8	582.3	580.6	579.5	578.4	576.8
5°	607.0	607.0	603.7	603.7	602.1	601.6	597.7	596.1	592.7	593.8	589.9
7.5°	621.3	623.0	619.2	618.5	616.4	615.9	610.9	609.2	606.5	605.4	602.1
10°	631.8	631.8	626.8	623.0	620.2	617.5	612.5	610.4	608.2	608.7	606.5
12.5°	640.1	636.2	629.0	623.5	619.7	616.9	613.1	611.4	610.9	614.7	615.3
15°	646.6	641.1	632.3	628.5	625.2	624.7	624.7	626.3	630.2	637.3	642.8
17.5°	650.5	647.3	642.8	641.7	647.3	650.5	654.9	659.9	665.4	675.2	681.3
20°	657.6	659.9	663.2	667.6	676.4	684.7	690.2	697.3	703.9	716.0	725.9
22.5°	676.4	689.0	699.5	708.3	721.6	733.1	740.2	750.2	755.1	763.3	778.8
25°	700.6	726.4	748.5	767.2	787.6	799.7	809.5	822.2	829.9	843.7	857.4
27.5°	693.5	730.4	763.3	798.0	826.1	857.4	879.5	900.4	913.6	934.0	952.1
30°	671.4	715.4	760.0	805.7	850.3	895.4	937.2	975.2	1004.4	1033.6	1063.3
32.5°	641.7	692.3	746.8	803.0	861.3	924.0	981.9	1039.1	1087.5	1129.8	1171.2
35°	607.6	664.9	721.6	790.9	862.9	942.8	1023.1	1102.4	1176.1	1251.0	1301.6
37.5°	566.8	625.2	688.5	768.3	853.1	951.6	1053.9	1157.4	1262.0	1362.7	1450.2
40°	523.4	582.8	649.4	735.9	831.6	946.0	1073.8	1213.0	1356.6	1502.5	1618.5
42.5°	484.9	545.9	618.5	706.1	810.2	938.9	1089.7	1260.8	1436.4	1616.9	1787.6
45°	447.5	514.6	591.1	685.2	800.7	944.4	1113.4	1305.4	1508.0	1727.0	1935.0
47.5°	413.9	482.1	556.4	659.3	787.0	947.2	1136.5	1350.1	1575.6	1812.8	2060.0
50°	383.6	449.6	522.8	626.3	765.5	945.5	1157.4	1390.2	1634.0	1880.5	2156.3
52.5°	353.9	421.0	495.9	594.4	739.2	936.2	1167.3	1423.2	1687.9	1948.8	2233.9
55°	324.7	390.8	466.1	564.1	704.5	911.9	1166.2	1444.7	1730.9	2013.2	2308.7
57.5°	290.6	353.4	427.0	530.6	667.6	874.5	1149.6	1454.6	1767.8	2077.0	2398.4
60°	248.2	307.0	378.1	481.6	619.2	826.6	1115.0	1449.1	1789.2	2124.4	2474.9
62.5°	196.0	247.2	312.0	413.3	558.7	757.8	1050.1	1399.0	1755.0	2117.7	2510.7
63°	184.9	233.4	296.7	396.8	532.7	739.2	1030.8	1379.2	1738.5	2103.9	2505.7
65°	148.6	180.0	230.6	320.3	445.8	647.3	935.0	1277.4	1649.9	2007.2	2434.2
67.5°	113.9	129.8	156.9	219.6	315.3	509.1	757.3	1082.5	1432.0	1767.8	2203.6
70°	97.4	104.6	116.2	145.8	200.3	321.5	531.6	807.4	1110.1	1401.1	1793.1
72.5°	88.6	91.9	97.9	110.6	137.6	192.6	339.1	525.6	755.1	998.9	1301.6
75°	81.5	84.2	89.1	95.8	105.7	128.2	193.2	321.5	490.9	656.1	878.3
77.5°	74.3	76.0	81.5	87.5	94.1	105.7	127.7	184.9	282.3	386.9	529.4
80°	68.3	67.2	71.0	80.9	87.5	94.1	100.7	120.0	160.7	211.9	286.2
82.5°	54.5	55.5	58.9	68.8	71.5	69.8	71.0	74.3	89.7	97.9	146.4
85°	36.9	34.1	33.6	34.7	34.7	33.1	33.1	32.4	35.8	40.7	69.8
87.5°	9.9	5.0	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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	0°
2.5°	575.6	575.1	575.6	573.0	573.0	572.3	571.8	570.7	570.7	568.5	570.2	2.5°
5°	586.6	585.6	583.4	580.1	578.4	576.2	576.2	574.0	572.3	570.2	570.7	5°
7.5°	599.4	599.9	596.1	593.3	592.2	589.9	590.6	587.3	587.8	586.1	585.0	7.5°
10°	606.5	606.5	607.6	607.0	608.2	608.2	609.7	607.6	606.5	604.9	604.9	10°
12.5°	618.0	620.2	624.7	624.7	628.0	629.0	629.6	630.7	628.5	627.4	623.5	12.5°
15°	646.6	652.1	656.1	661.6	668.1	670.4	670.4	668.1	667.0	665.4	658.2	15°
17.5°	694.0	706.1	709.4	718.2	719.3	722.1	729.7	725.4	722.6	711.1	708.8	17.5°
20°	742.4	757.8	773.3	784.2	789.7	800.7	802.4	800.2	789.2	778.2	773.3	20°
22.5°	800.7	823.8	841.5	858.5	866.8	872.3	884.5	881.7	872.8	856.4	849.7	22.5°
25°	883.3	911.9	930.7	951.6	962.6	968.1	980.2	980.2	970.8	965.9	965.3	25°
27.5°	987.4	1022.6	1053.4	1060.5	1089.1	1095.8	1107.3	1107.3	1098.5	1092.4	1121.7	27.5°
30°	1102.9	1139.8	1193.2	1228.9	1263.6	1297.7	1297.2	1299.4	1309.8	1315.3	1328.0	30°
32.5°	1218.4	1264.1	1320.8	1398.4	1472.7	1536.1	1618.0	1670.4	1654.3	1609.7	1592.1	32.5°
35°	1358.9	1409.4	1478.2	1556.4	1692.3	1774.3	1814.0	1842.1	1845.3	1851.4	1864.0	35°
37.5°	1515.1	1599.9	1679.7	1768.3	1843.6	1943.3	2035.2	2108.9	2126.0	2160.7	2140.8	37.5°
40°	1712.6	1807.4	1891.0	2005.5	2106.7	2226.7	2358.2	2459.5	2500.2	2487.0	2388.0	40°
42.5°	1919.6	2036.9	2134.8	2269.6	2401.1	2559.7	2695.6	2837.1	2862.4	2760.5	2612.5	42.5°
45°	2110.1	2255.3	2377.0	2517.3	2678.0	2867.9	3049.5	3194.8	3189.8	3015.3	2817.2	45°
47.5°	2281.2	2459.5	2608.1	2790.8	2963.6	3189.8	3398.4	3505.7	3442.5	3236.1	2993.4	47.5°
50°	2422.6	2645.0	2828.3	3013.2	3232.7	3505.2	3706.0	3766.6	3644.5	3419.9	3164.6	50°
52.5°	2536.6	2815.5	3021.5	3234.4	3511.8	3798.5	3971.3	3948.8	3790.8	3560.2	3305.9	52.5°
55°	2632.8	2946.0	3191.5	3443.0	3786.9	4051.1	4166.1	4105.6	3884.9	3651.0	3402.8	55°
57.5°	2732.5	3072.6	3347.8	3639.5	4022.5	4249.2	4313.1	4188.7	3929.5	3685.7	3444.7	57.5°
60°	2832.1	3178.2	3485.9	3811.2	4200.8	4411.1	4393.5	4207.5	3916.3	3660.4	3416.6	60°
62.5°	2899.3	3241.0	3566.2	3916.9	4334.5	4493.6	4385.7	4140.8	3839.8	3560.7	3333.0	62.5°
63°	2900.9	3243.2	3571.2	3924.0	4349.4	4496.4	4370.9	4117.2	3815.5	3540.4	3308.2	63°
65°	2866.2	3202.0	3527.2	3891.5	4336.8	4433.1	4242.7	3977.4	3677.4	3399.5	3179.4	65°
67.5°	2689.0	3031.3	3318.7	3662.1	4110.1	4137.5	3899.3	3685.2	3415.4	3127.7	2897.6	67.5°
70°	2331.8	2616.4	2898.1	3184.9	3560.7	3555.9	3331.8	3222.8	2986.7	2658.8	2474.4	70°
72.5°	1854.7	2110.1	2308.2	2500.2	2747.9	2697.8	2553.6	2583.9	2430.9	2186.0	2076.5	72.5°
75°	1377.0	1657.6	1754.5	1832.6	1937.2	1937.8	1977.4	2063.2	2061.0	1925.1	1786.9	75°
77.5°	903.1	1210.3	1242.7	1305.4	1430.9	1601.6	1777.6	1966.9	2014.3	1906.9	1702.8	77.5°
80°	503.5	822.8	785.4	839.3	974.7	1206.3	1466.1	1675.2	1798.5	1738.5	1522.3	80°
82.5°	257.5	474.4	453.5	528.3	637.8	839.3	1011.0	1171.7	1317.0	1308.7	1226.7	82.5°
85°	133.8	259.8	295.5	334.6	389.6	461.8	526.7	573.5	634.0	740.7	777.1	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	39.6	28.6	78.7	112.2	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°
577.3	577.3	577.3	577.3	577.3	577.3	577.3
570.7	571.3	570.2	570.2	570.7	570.7	569.6
569.6	569.6	568.5	567.5	566.3	566.3	565.2
582.3	582.3	578.4	576.8	574.0	571.8	570.7
600.9	597.7	593.3	589.9	585.6	580.6	577.8
619.7	614.7	609.2	604.2	598.8	593.3	590.6
650.5	643.9	636.8	630.7	623.0	614.7	611.4
697.8	687.4	678.0	669.2	655.4	649.4	642.8
760.6	745.2	733.1	718.2	701.1	695.6	687.4
836.6	823.3	799.1	788.1	771.1	762.8	764.5
952.1	935.0	906.9	896.5	894.8	876.7	867.9
1102.9	1104.0	1078.1	1050.1	1034.6	1006.0	969.7
1317.5	1302.7	1272.4	1243.8	1207.5	1153.6	1093.0
1577.3	1544.2	1494.2	1440.8	1376.5	1293.4	1208.6
1831.0	1773.3	1693.5	1604.2	1511.3	1407.8	1287.8
2053.9	1964.2	1844.8	1742.4	1610.9	1481.6	1335.1
2257.5	2146.3	1992.2	1859.6	1704.5	1538.2	1364.9
2454.6	2313.7	2124.9	1945.5	1769.9	1576.2	1379.2
2642.3	2460.6	2236.6	2023.1	1817.8	1600.9	1381.3
2786.4	2588.3	2336.8	2079.2	1850.8	1619.7	1381.3
2920.2	2696.2	2413.3	2123.2	1881.7	1632.3	1382.5
3024.1	2772.1	2462.8	2154.6	1905.9	1641.7	1387.5
3099.6	2821.7	2495.9	2173.9	1923.5	1654.9	1398.4
3152.4	2854.1	2514.0	2191.0	1945.0	1678.0	1429.2
3177.7	2914.1	2544.2	2225.1	1981.8	1727.0	1490.9
3158.4	3007.2	2630.7	2282.9	2033.0	1803.5	1589.4
3150.2	3024.1	2654.3	2295.5	2044.6	1820.0	1623.5
3085.8	3041.2	2751.7	2359.4	2099.6	1893.2	1718.8
2886.0	2974.1	2833.8	2467.3	2217.9	2071.0	1896.5
2627.4	2874.5	2818.9	2480.9	2293.3	2216.8	2008.8
2317.5	2573.5	2521.7	2297.7	2210.2	2218.4	1979.6
1823.8	2016.0	1981.8	1903.1	1920.7	1981.2	1695.6
1461.1	1435.3	1356.6	1362.1	1463.9	1534.9	1220.7
1193.7	966.4	864.0	866.8	1044.6	1118.3	777.6
1136.0	914.1	744.7	650.5	760.0	731.9	406.1
809.0	810.7	672.5	546.5	529.4	450.2	253.2
191.5	153.6	109.5	81.5	85.8	56.7	28.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)