

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: P153289

Luminaire Tested: **VXS-E02-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153289
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-E02-LED-E1-SLR-7030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5082.7 lumens
Efficiency: N/A
Efficacy: 97.6 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): 52.1
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

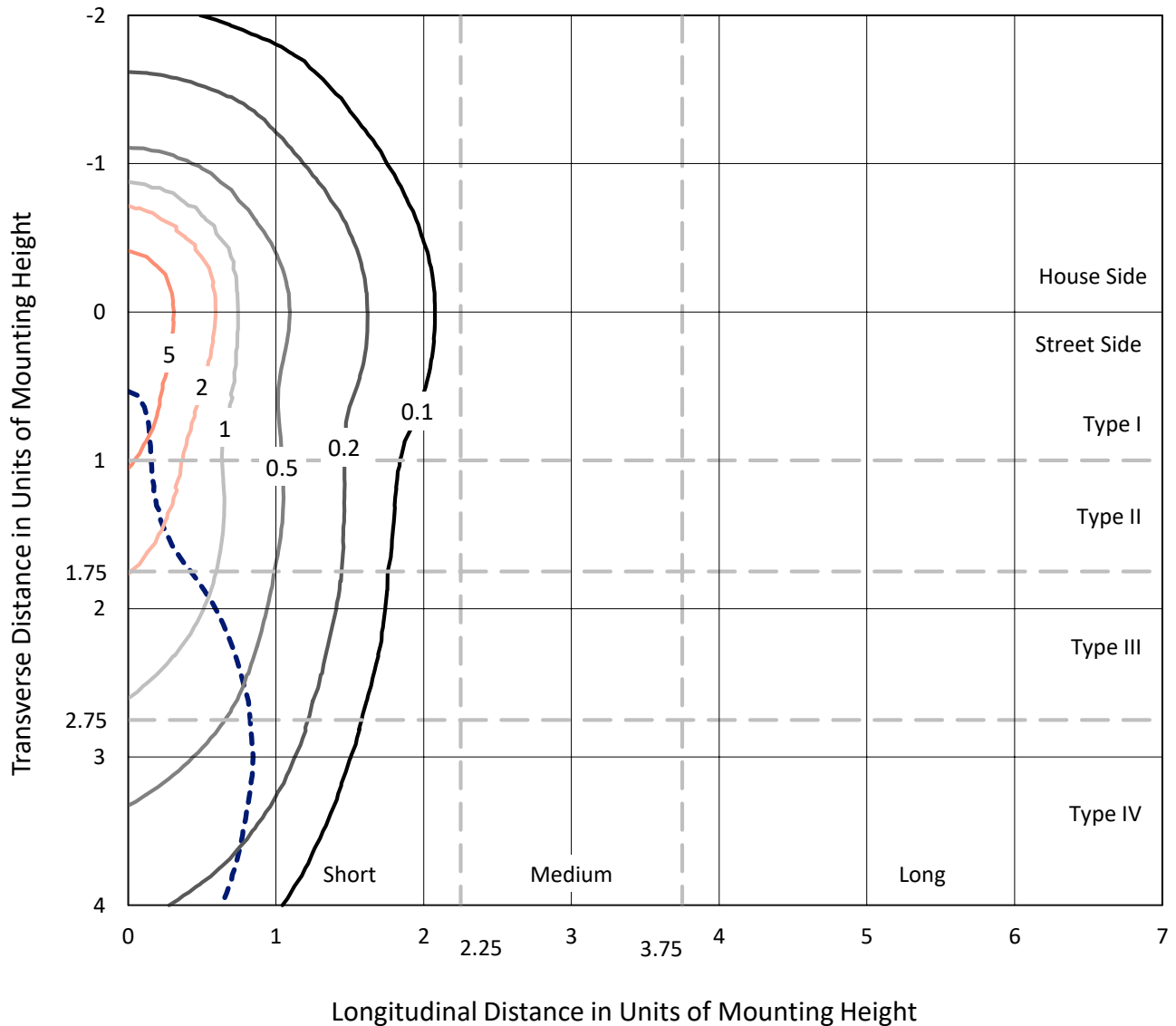


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Iso-Footcandle Lines of Horizontal Illumination

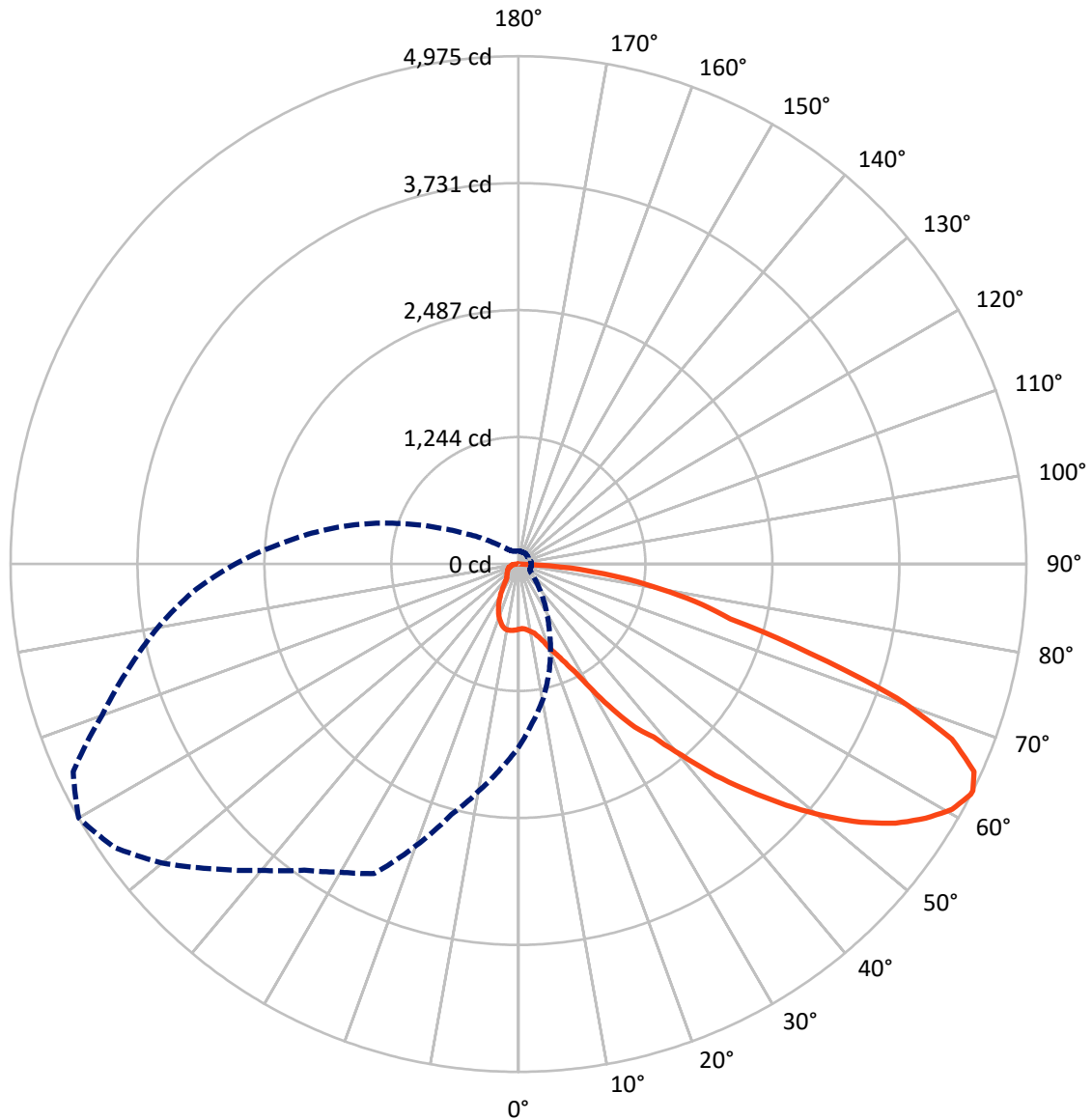
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 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	1102.2	0.0	1102.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3980.5	0.0	3980.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	5082.7	0.0	5082.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	1.2
10°-20°	193.6	3.8
20°-30°	344.0	6.8
30°-40°	541.7	10.7
40°-50°	797.3	15.7
50°-60°	1059.0	20.8
60°-70°	1166.5	23.0
70°-80°	731.9	14.4
80°-90°	186.4	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°	5082.7	100.0
0°-180°	5082.7	100.0

Coefficient of Utilization



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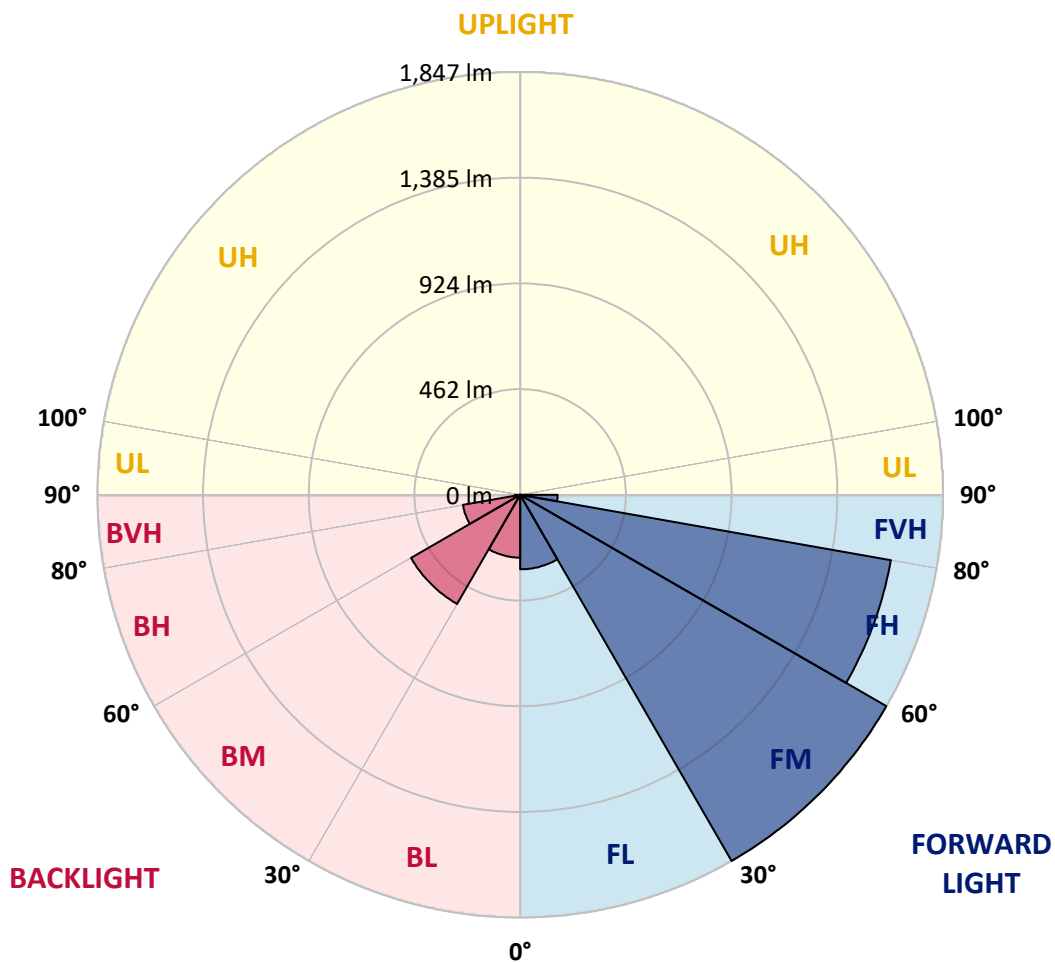
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.5	6.4			
FM	(30°-60°)	1847.2	36.3			
FH	(60°-80°)	1644.3	32.4			G1/1800
FVH	(80°-90°)	163.6	3.2			G2/225
BL	(0°-30°)	274.4	5.4	B1/500		
BM	(30°-60°)	550.9	10.8	B1/1000		
BH	(60°-80°)	254.1	5.0	B1/500		G1/500
BVH	(80°-90°)	22.8	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	630.3	632.0	631.4	631.4	632.6	632.0	632.0	632.6	632.6	634.5	636.9
5°	625.4	624.8	623.5	624.8	624.8	624.8	622.3	624.1	624.8	625.9	625.9
7.5°	631.4	629.6	627.2	627.8	627.8	626.5	624.8	625.4	624.8	624.8	624.1
10°	639.4	635.1	632.0	632.0	632.0	630.8	627.8	629.6	629.6	629.0	629.6
12.5°	653.4	648.5	644.9	643.6	643.6	641.8	639.4	641.8	640.5	640.5	639.4
15°	676.5	671.0	666.7	663.1	663.7	663.7	660.6	658.9	656.4	653.4	647.3
17.5°	711.2	705.1	699.6	696.6	697.2	693.0	684.4	675.9	664.4	652.7	640.0
20°	760.5	758.7	751.4	748.3	741.0	730.7	706.9	686.8	664.4	642.4	620.5
22.5°	845.8	837.2	829.9	818.3	794.0	765.4	725.8	690.5	655.1	624.1	594.9
25°	960.2	945.0	909.1	873.8	823.8	772.7	719.1	673.5	629.6	588.8	552.8
27.5°	1072.8	1026.6	962.7	898.8	825.7	758.7	691.7	637.5	586.3	542.0	502.4
30°	1209.3	1131.3	1033.3	932.2	828.7	738.5	658.2	594.9	535.9	488.9	447.6
32.5°	1337.1	1224.5	1096.1	963.3	835.4	719.7	619.9	548.0	487.2	428.1	387.3
35°	1424.9	1278.7	1122.8	966.3	819.0	683.8	571.7	487.2	426.2	371.4	323.3
37.5°	1477.2	1302.5	1124.0	944.5	780.6	635.1	510.9	426.8	370.8	318.4	280.7
40°	1510.1	1307.9	1108.2	912.7	731.9	573.6	449.9	374.5	323.3	281.3	252.1
42.5°	1525.9	1299.4	1082.6	872.5	682.6	518.8	407.4	336.1	291.7	261.9	239.9
45°	1528.3	1284.1	1055.2	836.1	638.8	479.2	378.1	320.3	283.7	258.8	236.9
47.5°	1528.3	1270.8	1033.3	809.2	610.2	462.2	375.6	326.9	291.1	263.0	236.9
50°	1529.5	1266.5	1024.1	795.9	600.4	471.3	396.4	347.7	306.8	270.4	236.3
52.5°	1535.0	1272.0	1031.5	806.2	618.0	507.8	435.3	378.8	327.6	278.9	236.3
55°	1547.3	1290.3	1062.5	842.1	665.5	563.2	482.3	412.2	344.0	282.5	232.6
57.5°	1581.3	1336.6	1119.2	911.5	746.5	627.2	524.9	436.0	350.2	279.5	225.3
60°	1649.5	1428.5	1216.0	1008.9	832.3	682.0	549.8	439.6	344.7	269.7	213.7
62.5°	1758.5	1533.8	1333.5	1114.9	908.5	712.4	552.8	430.5	330.1	252.1	196.7
63°	1796.3	1560.0	1358.4	1135.0	918.2	714.8	550.5	426.8	326.3	247.3	194.2
65°	1901.6	1670.3	1444.9	1205.6	945.6	715.4	537.1	408.6	309.3	228.3	177.2
67.5°	2098.2	1815.1	1553.9	1261.0	955.3	696.0	502.9	374.5	273.4	199.1	155.9
70°	2222.5	1896.2	1596.0	1262.3	926.7	640.5	443.9	319.1	227.8	165.0	134.0
72.5°	2190.3	1816.4	1485.1	1148.4	803.1	535.2	356.8	250.9	177.8	132.1	111.4
75°	1876.1	1511.9	1211.7	889.6	607.0	393.4	261.2	179.1	131.5	103.5	93.2
77.5°	1350.6	1088.1	868.9	633.9	409.2	254.5	173.6	127.9	99.9	85.3	76.7
80°	860.4	638.1	531.6	381.1	239.3	157.7	119.4	96.8	82.2	71.2	65.8
82.5°	449.3	314.8	255.8	194.8	132.7	104.1	87.7	79.2	67.6	59.1	56.1
85°	280.1	185.7	137.6	96.2	66.3	59.7	54.8	53.6	48.1	42.6	40.8
87.5°	31.7	28.6	29.8	18.9	14.0	15.2	14.6	19.5	18.9	14.0	14.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	634.5	635.6	635.6	637.5	637.5	638.8	640.0	640.0	641.1	641.8	643.0
5°	627.2	627.2	627.2	629.6	630.3	633.9	635.1	636.3	637.5	641.8	644.2
7.5°	625.4	622.9	624.1	624.1	625.9	629.0	632.0	633.9	635.6	641.1	644.9
10°	629.0	627.2	625.4	625.4	625.9	627.2	629.6	631.4	632.6	638.1	641.1
12.5°	638.8	634.5	630.8	627.8	625.4	624.8	623.5	624.1	625.4	628.4	632.6
15°	640.5	632.6	624.8	616.8	610.8	607.0	604.0	602.8	602.8	604.7	609.5
17.5°	628.4	615.0	603.4	593.1	586.3	579.7	576.6	574.2	573.0	575.4	576.1
20°	602.2	586.3	570.6	558.3	546.2	544.4	539.5	540.7	542.0	545.6	547.4
22.5°	566.3	547.4	527.9	515.1	505.4	496.9	491.4	493.8	495.6	499.3	501.1
25°	522.5	495.0	474.3	461.6	451.2	443.9	437.8	440.2	437.8	442.1	448.8
27.5°	470.7	438.4	416.5	401.9	394.6	388.5	382.4	382.4	388.5	388.5	394.0
30°	408.0	384.2	355.6	340.4	331.2	327.6	326.9	325.8	330.1	332.4	338.5
32.5°	348.9	319.7	292.2	277.6	269.7	265.5	266.1	266.7	268.5	272.2	282.0
35°	289.2	263.6	244.1	227.8	219.8	211.9	211.9	210.7	212.5	216.8	228.3
37.5°	250.9	228.3	213.2	200.3	192.4	187.6	183.3	181.5	181.5	183.3	187.6
40°	229.5	213.2	199.1	188.2	180.8	176.6	174.2	172.3	171.1	171.1	171.7
42.5°	219.8	202.8	188.8	179.1	173.6	171.1	170.5	169.8	168.1	167.5	166.8
45°	214.9	195.4	179.6	171.7	167.5	166.2	166.8	166.8	166.2	165.0	162.6
47.5°	211.3	188.8	173.0	165.6	163.8	163.8	163.8	163.8	163.2	162.6	160.7
50°	205.2	178.4	161.3	155.9	154.6	154.6	155.2	155.2	156.5	155.2	154.1
52.5°	198.5	168.7	151.6	146.7	146.1	145.5	145.5	145.5	146.1	146.1	145.5
55°	191.2	161.3	146.7	143.1	143.7	143.1	142.5	141.9	141.9	141.2	140.0
57.5°	183.9	155.2	143.1	140.6	141.2	141.2	140.0	138.9	138.2	136.4	135.1
60°	173.0	146.7	135.8	134.6	136.4	136.4	136.4	135.8	135.8	135.1	132.1
62.5°	158.3	134.6	126.0	126.6	127.3	128.5	128.5	128.5	128.5	127.3	124.2
63°	155.2	132.1	124.2	124.2	126.0	126.0	126.6	126.0	126.6	125.4	121.8
65°	143.1	124.2	118.1	118.8	120.0	120.0	120.0	119.4	119.4	117.5	115.6
67.5°	129.1	114.5	110.8	111.4	112.0	113.3	112.6	112.6	113.3	112.0	110.3
70°	113.3	104.1	101.7	102.3	102.9	102.9	102.3	102.3	102.9	101.7	99.9
72.5°	101.0	97.4	95.6	95.6	94.4	94.4	93.2	92.5	91.9	91.9	90.2
75°	85.3	84.7	85.3	86.4	85.3	84.0	83.4	81.6	80.4	80.4	79.8
77.5°	73.1	73.1	74.3	76.1	76.7	76.7	74.9	71.8	71.2	71.2	71.2
80°	63.3	62.1	62.1	63.9	65.8	65.2	62.1	59.1	59.1	62.1	62.7
82.5°	55.4	55.4	53.6	54.2	53.6	53.0	49.9	48.1	47.5	49.9	52.3
85°	43.8	44.5	43.8	43.2	42.6	40.8	38.3	36.6	36.0	38.3	42.0
87.5°	17.6	17.1	16.5	17.1	16.5	17.6	17.1	15.9	15.2	17.1	20.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	643.6	644.9	646.0	646.0	647.3	646.6	647.3	647.9	647.9	648.5	648.5
5°	647.3	649.1	651.5	654.0	654.6	656.4	658.2	657.0	658.9	661.2	661.2
7.5°	648.5	652.7	654.6	658.2	658.9	661.2	665.5	662.5	666.1	668.0	668.6
10°	646.6	650.9	654.0	658.2	660.0	664.4	668.6	667.4	671.6	674.6	675.2
12.5°	635.6	640.0	646.6	652.7	657.6	664.4	672.2	669.7	675.9	679.5	681.3
15°	614.4	618.7	625.9	635.6	644.9	655.1	665.5	667.4	673.5	677.7	679.5
17.5°	580.9	586.3	594.3	604.7	616.2	633.9	647.3	654.0	662.5	664.9	668.0
20°	549.8	555.3	560.2	566.3	574.8	591.8	609.5	622.9	633.9	643.0	645.4
22.5°	508.4	513.3	519.4	524.2	530.4	542.5	557.1	572.3	589.4	594.9	601.0
25°	458.5	461.6	470.1	473.2	477.4	487.8	499.3	510.3	526.7	538.2	541.3
27.5°	404.9	408.0	415.9	417.7	423.2	433.0	441.5	445.7	460.9	473.2	482.9
30°	342.8	350.8	360.5	361.7	367.8	373.9	381.8	386.0	400.0	412.8	425.0
32.5°	289.2	297.1	305.1	309.9	313.0	317.8	325.8	330.1	343.4	355.0	367.2
35°	234.4	244.1	252.6	259.4	261.9	267.9	274.0	278.2	292.2	302.6	311.2
37.5°	193.1	200.3	209.4	216.2	222.9	227.2	234.4	240.5	249.0	254.5	263.6
40°	173.0	176.6	181.5	186.9	192.4	197.3	202.8	207.7	213.2	220.4	226.5
42.5°	166.2	166.8	166.8	168.7	171.7	174.2	179.1	182.7	186.3	191.8	194.8
45°	161.3	160.7	159.5	158.3	159.0	160.1	163.2	165.6	169.8	172.3	173.0
47.5°	159.0	156.5	154.1	152.2	151.6	152.2	154.6	157.1	159.5	161.3	162.0
50°	151.0	149.2	145.5	143.1	141.9	143.1	146.1	147.4	149.7	151.6	152.2
52.5°	143.1	140.6	138.2	135.8	135.8	136.4	138.9	141.2	143.7	144.4	145.5
55°	138.2	134.6	132.1	130.3	129.1	130.9	132.7	135.8	138.9	139.5	140.6
57.5°	133.4	129.7	127.3	125.4	124.2	126.0	127.9	132.1	135.8	135.8	135.8
60°	130.3	127.3	123.6	121.8	120.0	121.8	124.2	128.5	132.1	131.5	130.9
62.5°	121.8	118.8	116.9	116.9	115.1	118.1	120.5	125.4	126.0	124.9	123.6
63°	119.4	116.9	115.6	115.6	114.5	117.5	120.0	124.2	124.2	123.0	121.8
65°	113.3	111.4	110.3	111.4	111.4	114.5	115.1	118.1	117.5	115.6	115.1
67.5°	108.4	107.2	105.9	105.9	105.9	106.5	107.2	108.4	107.8	107.2	107.8
70°	100.5	99.9	98.7	98.7	98.0	98.0	98.0	98.7	98.7	99.3	99.9
72.5°	90.8	89.5	89.5	90.2	88.9	89.5	90.2	89.5	90.8	90.8	91.3
75°	79.8	79.2	80.4	81.6	80.9	80.9	81.6	81.6	82.2	82.2	82.8
77.5°	71.2	71.8	72.4	73.7	74.3	74.3	74.3	73.7	74.3	74.3	74.9
80°	63.3	64.6	65.8	66.9	67.6	67.6	67.6	66.9	66.9	66.9	66.9
82.5°	57.2	59.1	60.3	60.9	60.9	60.9	60.9	60.9	60.9	59.7	58.4
85°	48.1	51.7	51.7	52.3	50.6	49.3	48.1	48.7	49.3	46.8	46.3
87.5°	24.4	24.4	25.6	26.8	27.4	27.4	31.1	29.2	28.6	28.0	26.8
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	649.1	648.5	649.7	648.5	649.1	649.7	648.5	650.3	651.5	649.7	647.9
5°	662.5	662.5	665.5	666.7	667.4	671.0	669.2	670.4	671.6	671.0	671.6
7.5°	671.0	673.5	676.5	679.5	680.1	683.2	682.6	684.4	685.6	688.7	688.7
10°	678.3	681.3	685.6	688.7	691.7	694.2	695.3	699.1	699.6	702.1	702.1
12.5°	685.0	688.7	693.0	697.8	700.8	705.7	706.3	711.8	713.7	714.2	712.4
15°	683.8	688.1	693.0	698.4	703.9	709.9	713.7	719.1	722.2	723.4	720.3
17.5°	672.2	675.9	682.0	689.3	696.0	703.9	710.6	718.5	723.4	724.6	723.9
20°	649.7	652.1	660.0	669.7	677.7	689.8	699.6	711.8	719.7	725.8	727.7
22.5°	605.3	611.3	619.3	630.3	641.8	657.0	671.0	688.7	705.7	720.3	734.9
25°	551.7	562.6	574.8	589.4	603.4	619.3	635.1	655.1	680.1	710.6	745.3
27.5°	497.5	516.4	531.6	550.5	566.8	582.7	600.4	622.3	649.7	686.2	730.7
30°	442.7	463.9	480.4	502.4	524.2	545.6	563.2	586.3	613.2	650.3	699.1
32.5°	384.2	405.5	425.0	445.1	469.4	495.0	516.4	545.0	573.6	611.9	661.2
35°	323.9	342.8	359.3	380.5	407.4	434.7	462.8	495.6	526.7	566.8	619.3
37.5°	271.6	285.0	300.8	319.7	340.4	369.6	401.2	440.2	475.5	519.4	573.0
40°	228.3	235.6	244.8	260.6	279.5	308.1	339.2	380.5	423.2	471.3	523.0
42.5°	194.8	198.5	200.9	211.3	226.5	254.5	284.4	324.6	371.4	423.8	476.2
45°	173.0	174.7	175.3	180.8	191.8	216.2	247.3	281.3	326.3	377.5	432.3
47.5°	162.6	164.4	165.6	166.8	173.6	192.4	220.4	252.6	294.1	340.9	397.0
50°	154.1	155.9	157.7	157.1	160.1	172.3	196.1	225.9	264.9	308.1	363.5
52.5°	145.5	146.7	146.7	146.7	148.6	156.5	173.6	200.9	236.9	277.6	332.4
55°	140.6	141.9	142.5	143.1	143.7	148.0	160.7	182.7	213.7	251.5	300.8
57.5°	135.8	136.4	137.6	138.2	139.5	141.9	149.7	165.6	191.8	223.4	264.9
60°	131.5	132.7	135.1	135.8	137.0	137.6	141.2	151.0	168.1	192.4	225.9
62.5°	124.9	126.6	129.1	129.7	130.9	131.5	132.1	137.6	145.5	160.1	185.1
63°	123.0	124.9	127.9	128.5	129.1	129.1	129.7	133.4	140.6	153.5	171.7
65°	116.3	118.8	120.5	121.1	121.8	121.8	121.1	122.4	123.0	128.5	139.5
67.5°	109.0	110.8	112.0	112.6	112.0	112.6	112.0	110.8	109.6	110.8	115.6
70°	101.7	102.9	102.9	103.5	104.1	104.8	103.5	102.3	101.0	100.5	103.5
72.5°	93.2	94.4	94.4	95.0	95.0	96.2	96.2	95.6	95.6	96.2	96.8
75°	84.7	85.9	85.3	86.4	86.4	88.3	88.3	88.9	90.2	89.5	88.9
77.5°	76.7	77.3	77.3	77.9	78.5	81.6	83.4	84.0	84.0	82.8	81.6
80°	68.2	68.2	66.9	66.3	66.9	70.1	73.7	74.3	76.1	75.5	76.1
82.5°	57.2	54.8	53.0	53.0	54.2	56.1	57.2	58.4	59.7	59.7	60.9
85°	43.8	41.5	39.6	40.2	42.0	42.6	42.0	42.0	44.5	46.3	44.5
87.5°	26.2	23.7	22.5	20.7	21.3	23.1	22.5	20.7	21.3	17.1	15.9
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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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	649.1	648.5	647.3	645.4	644.9	643.6	644.2	642.4	641.1	640.0	638.1
5°	671.6	671.6	668.0	668.0	666.1	665.5	661.2	659.5	655.8	657.0	652.7
7.5°	687.5	689.3	685.0	684.4	682.0	681.3	675.9	674.1	671.0	669.7	666.1
10°	699.1	699.1	693.6	689.3	686.2	683.2	677.7	675.2	672.8	673.5	671.0
12.5°	708.2	703.9	696.0	689.8	685.6	682.6	678.3	676.5	675.9	680.1	680.7
15°	715.4	709.3	699.6	695.3	691.7	691.1	691.1	693.0	697.2	705.1	711.2
17.5°	719.7	716.1	711.2	709.9	716.1	719.7	724.6	730.1	736.2	747.2	753.8
20°	727.7	730.1	733.7	738.5	748.3	757.5	763.5	771.5	778.8	792.2	803.1
22.5°	748.3	762.4	773.9	783.6	798.2	811.1	819.0	829.9	835.4	844.6	861.6
25°	775.1	803.7	828.1	848.8	871.3	884.8	895.6	909.7	918.2	933.5	948.7
27.5°	767.3	808.0	844.6	882.9	914.0	948.7	973.1	996.2	1010.8	1033.3	1053.4
30°	742.9	791.6	840.9	891.4	940.7	990.7	1037.0	1079.0	1111.2	1143.5	1176.4
32.5°	709.9	766.0	826.3	888.4	953.0	1022.4	1086.3	1149.6	1203.2	1250.1	1295.8
35°	672.2	735.5	798.2	875.0	954.7	1043.0	1131.9	1219.6	1301.2	1384.0	1440.0
37.5°	627.2	691.7	761.8	850.1	943.8	1052.7	1166.0	1280.5	1396.2	1507.7	1604.5
40°	579.1	644.9	718.5	814.1	920.0	1046.7	1188.0	1342.0	1500.9	1662.3	1790.8
42.5°	536.5	604.0	684.4	781.2	896.3	1038.8	1205.6	1395.0	1589.2	1788.9	1977.7
45°	495.0	569.3	654.0	758.0	885.9	1044.9	1231.8	1444.4	1668.4	1910.8	2140.9
47.5°	457.9	533.4	615.6	729.4	870.8	1047.9	1257.4	1493.7	1743.3	2005.7	2279.1
50°	424.4	497.5	578.4	693.0	846.9	1046.1	1280.5	1538.0	1807.9	2080.6	2385.7
52.5°	391.5	465.8	548.6	657.6	817.7	1035.8	1291.5	1574.6	1867.5	2156.2	2471.5
55°	359.3	432.3	515.8	624.1	779.4	1008.9	1290.3	1598.3	1915.0	2227.4	2554.3
57.5°	321.5	390.9	472.5	586.9	738.5	967.6	1272.0	1609.3	1955.8	2298.0	2653.6
60°	274.6	339.8	418.3	532.7	685.0	914.6	1233.7	1603.2	1979.6	2350.4	2738.2
62.5°	216.8	273.4	345.3	457.3	618.0	838.4	1161.8	1547.9	1941.8	2343.0	2777.8
63°	204.6	258.1	328.2	439.1	589.4	817.7	1140.5	1525.9	1923.5	2327.9	2772.3
65°	164.4	199.1	255.1	354.4	493.2	716.1	1034.5	1413.3	1825.5	2220.6	2693.2
67.5°	126.0	143.7	173.6	242.9	348.9	563.2	837.8	1197.7	1584.4	1955.8	2438.0
70°	107.8	115.6	128.5	161.3	221.7	355.6	588.2	893.3	1228.2	1550.3	1983.8
72.5°	98.0	101.7	108.4	122.4	152.2	213.2	375.1	581.5	835.4	1105.2	1440.0
75°	90.2	93.2	98.7	105.9	116.9	141.9	213.7	355.6	543.1	725.8	971.8
77.5°	82.2	84.0	90.2	96.8	104.1	116.9	141.2	204.6	312.3	428.1	585.8
80°	75.5	74.3	78.5	89.5	96.8	104.1	111.4	132.7	177.8	234.4	316.6
82.5°	60.3	61.5	65.2	76.1	79.2	77.3	78.5	82.2	99.3	108.4	162.0
85°	40.8	37.7	37.1	38.3	38.3	36.6	36.6	36.0	39.6	45.1	77.3
87.5°	11.0	5.5	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°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	0°
2.5°	636.9	636.3	636.9	633.9	633.9	633.3	632.6	631.4	631.4	629.0	630.8	2.5°
5°	649.1	647.9	645.4	641.8	640.0	637.5	637.5	635.1	633.3	630.8	631.4	5°
7.5°	663.1	663.7	659.5	656.4	655.1	652.7	653.4	649.7	650.3	648.5	647.3	7.5°
10°	671.0	671.0	672.2	671.6	672.8	672.8	674.6	672.2	671.0	669.2	669.2	10°
12.5°	683.8	686.2	691.1	691.1	694.7	696.0	696.6	697.8	695.3	694.2	689.8	12.5°
15°	715.4	721.6	725.8	731.9	739.2	741.7	741.7	739.2	738.0	736.2	728.3	15°
17.5°	767.8	781.2	784.9	794.6	795.9	798.9	807.4	802.5	799.5	786.7	784.2	17.5°
20°	821.5	838.4	855.5	867.7	873.8	885.9	887.8	885.4	873.2	861.0	855.5	20°
22.5°	885.9	911.5	931.0	949.8	959.1	965.1	978.5	975.4	965.7	947.5	940.1	22.5°
25°	977.3	1008.9	1029.6	1052.7	1065.0	1071.1	1084.5	1084.5	1074.1	1068.6	1068.0	25°
27.5°	1092.3	1131.3	1165.4	1173.4	1205.0	1212.3	1225.1	1225.1	1215.3	1208.7	1240.9	27.5°
30°	1220.2	1261.0	1320.1	1359.7	1398.0	1435.8	1435.1	1437.6	1449.2	1455.2	1469.3	30°
32.5°	1348.1	1398.7	1461.3	1547.3	1629.4	1699.5	1790.2	1848.0	1830.4	1781.0	1761.6	32.5°
35°	1503.4	1559.4	1635.5	1722.0	1872.3	1963.1	2006.9	2038.0	2041.7	2048.3	2062.4	35°
37.5°	1676.3	1770.1	1858.3	1956.4	2039.8	2150.1	2251.7	2333.3	2352.2	2390.6	2368.6	37.5°
40°	1894.9	1999.6	2092.2	2218.9	2330.9	2463.6	2609.1	2721.1	2766.2	2751.6	2642.0	40°
42.5°	2123.8	2253.6	2362.0	2511.1	2656.6	2832.0	2982.4	3138.9	3166.8	3054.2	2890.5	42.5°
45°	2334.5	2495.2	2629.8	2785.1	2962.9	3173.0	3373.9	3534.7	3529.2	3336.2	3117.0	45°
47.5°	2523.9	2721.1	2885.6	3087.8	3279.0	3529.2	3760.0	3878.7	3808.7	3580.3	3311.8	47.5°
50°	2680.4	2926.4	3129.1	3333.7	3576.7	3878.1	4100.3	4167.4	4032.1	3783.7	3501.1	50°
52.5°	2806.4	3115.1	3342.9	3578.5	3885.4	4202.6	4393.8	4368.8	4194.1	3939.0	3657.6	52.5°
55°	2913.0	3259.5	3531.0	3809.3	4189.8	4482.1	4609.3	4542.4	4298.2	4039.5	3764.9	55°
57.5°	3023.2	3399.5	3703.9	4026.6	4450.5	4701.3	4771.9	4634.3	4347.6	4077.8	3811.1	57.5°
60°	3133.4	3516.4	3856.8	4216.7	4647.8	4880.3	4860.8	4655.0	4333.0	4049.8	3780.1	60°
62.5°	3207.7	3585.8	3945.7	4333.6	4795.6	4971.7	4852.3	4581.3	4248.3	3939.6	3687.5	62.5°
63°	3209.5	3588.3	3951.2	4341.5	4812.1	4974.7	4835.9	4555.2	4221.6	3917.1	3660.1	63°
65°	3171.2	3542.6	3902.5	4305.5	4798.1	4904.7	4694.0	4400.5	4068.7	3761.1	3517.6	65°
67.5°	2975.1	3353.8	3671.7	4051.6	4547.3	4577.7	4314.1	4077.2	3778.9	3460.4	3205.9	67.5°
70°	2579.9	2894.7	3206.4	3523.7	3939.6	3934.1	3686.3	3565.7	3304.5	2941.6	2737.6	70°
72.5°	2052.0	2334.5	2553.7	2766.2	3040.2	2984.9	2825.3	2858.8	2689.5	2418.5	2297.4	72.5°
75°	1523.4	1834.0	1941.1	2027.7	2143.3	2143.9	2187.8	2282.8	2280.3	2129.9	1977.1	75°
77.5°	999.2	1339.0	1374.9	1444.4	1583.1	1771.9	1966.7	2176.2	2228.6	2109.8	1883.9	77.5°
80°	557.1	910.3	868.9	928.6	1078.3	1334.7	1622.1	1853.5	1989.8	1923.5	1684.2	80°
82.5°	285.0	524.9	501.8	584.6	705.7	928.6	1118.5	1296.4	1457.1	1448.0	1357.2	82.5°
85°	148.0	287.4	326.9	370.3	431.1	510.9	582.7	634.5	701.5	819.6	859.8	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.0	43.8	31.7	87.0	124.2	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°
638.8	638.8	638.8	638.8	638.8	638.8	638.8
631.4	632.0	630.8	630.8	631.4	631.4	630.3
630.3	630.3	629.0	627.8	626.5	626.5	625.4
644.2	644.2	640.0	638.1	635.1	632.6	631.4
664.9	661.2	656.4	652.7	647.9	642.4	639.4
685.6	680.1	674.1	668.6	662.5	656.4	653.4
719.7	712.4	704.5	697.8	689.3	680.1	676.5
772.1	760.5	750.2	740.4	725.2	718.5	711.2
841.5	824.5	811.1	794.6	775.8	769.6	760.5
925.5	910.9	884.1	871.9	853.1	843.9	845.8
1053.4	1034.5	1003.4	991.9	990.1	969.9	960.2
1220.2	1221.5	1192.8	1161.8	1144.8	1113.1	1072.8
1457.7	1441.2	1407.8	1376.2	1336.0	1276.3	1209.3
1745.1	1708.6	1653.2	1594.1	1522.9	1430.9	1337.1
2025.8	1961.9	1873.6	1774.9	1672.0	1557.6	1424.9
2272.4	2173.2	2041.0	1927.8	1782.3	1639.2	1477.2
2497.7	2374.7	2204.2	2057.5	1885.8	1701.9	1510.1
2715.6	2559.8	2351.0	2152.4	1958.2	1743.9	1525.9
2923.3	2722.4	2474.6	2238.3	2011.2	1771.3	1528.3
3082.9	2863.6	2585.4	2300.4	2047.8	1792.0	1528.3
3230.8	2983.0	2670.1	2349.1	2081.9	1806.0	1529.5
3345.9	3067.0	2724.9	2383.8	2108.6	1816.4	1535.0
3429.3	3121.9	2761.3	2405.2	2128.1	1831.0	1547.3
3487.8	3157.7	2781.5	2424.0	2151.8	1856.6	1581.3
3515.8	3224.1	2814.9	2461.8	2192.6	1910.8	1649.5
3494.5	3327.0	2910.6	2525.7	2249.3	1995.3	1758.5
3485.4	3345.9	2936.7	2539.7	2262.1	2013.7	1796.3
3414.1	3364.8	3044.5	2610.4	2323.0	2094.6	1901.6
3193.1	3290.5	3135.2	2729.7	2453.9	2291.3	2098.2
2906.8	3180.3	3118.8	2744.9	2537.3	2452.6	2222.5
2564.0	2847.3	2789.9	2542.2	2445.4	2454.5	2190.3
2017.9	2230.4	2192.6	2105.6	2125.1	2192.0	1876.1
1616.6	1588.0	1500.9	1507.0	1619.7	1698.2	1350.6
1320.7	1069.2	956.0	959.1	1155.6	1237.3	860.4
1256.8	1011.4	823.8	719.7	840.9	809.8	449.3
895.1	896.9	744.0	604.7	585.8	498.0	280.1
211.9	169.8	121.1	90.2	95.0	62.7	31.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)