

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: P153296

Luminaire Tested: **VXS-F02-LED-E1-SLR-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153296
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-7050
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4713.9 lumens
Efficiency: N/A
Efficacy: 85.7 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 (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



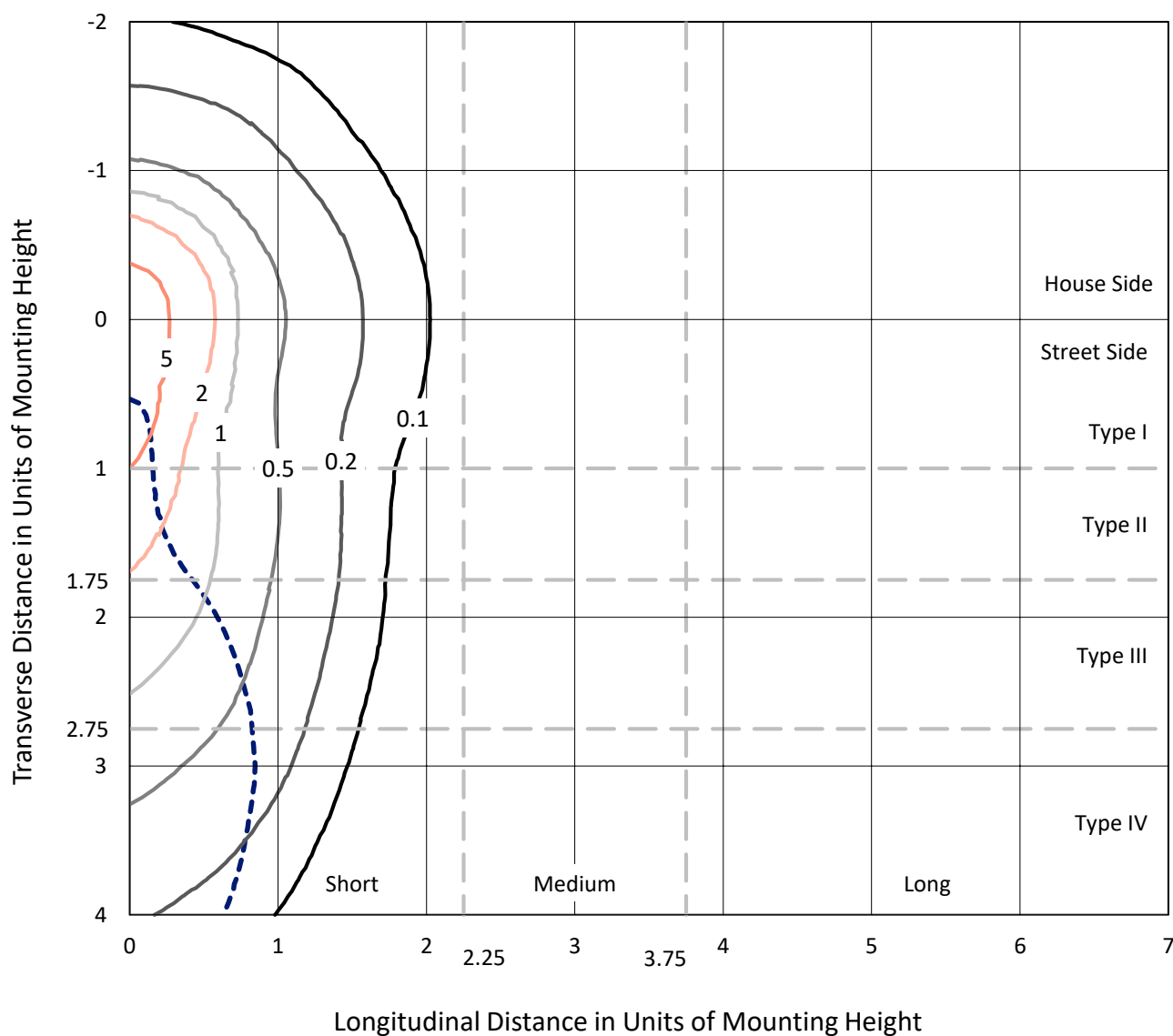
REPORT NUMBER: P153296

CATALOG NUMBER: VXS-F02-LED-E1-SLR-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

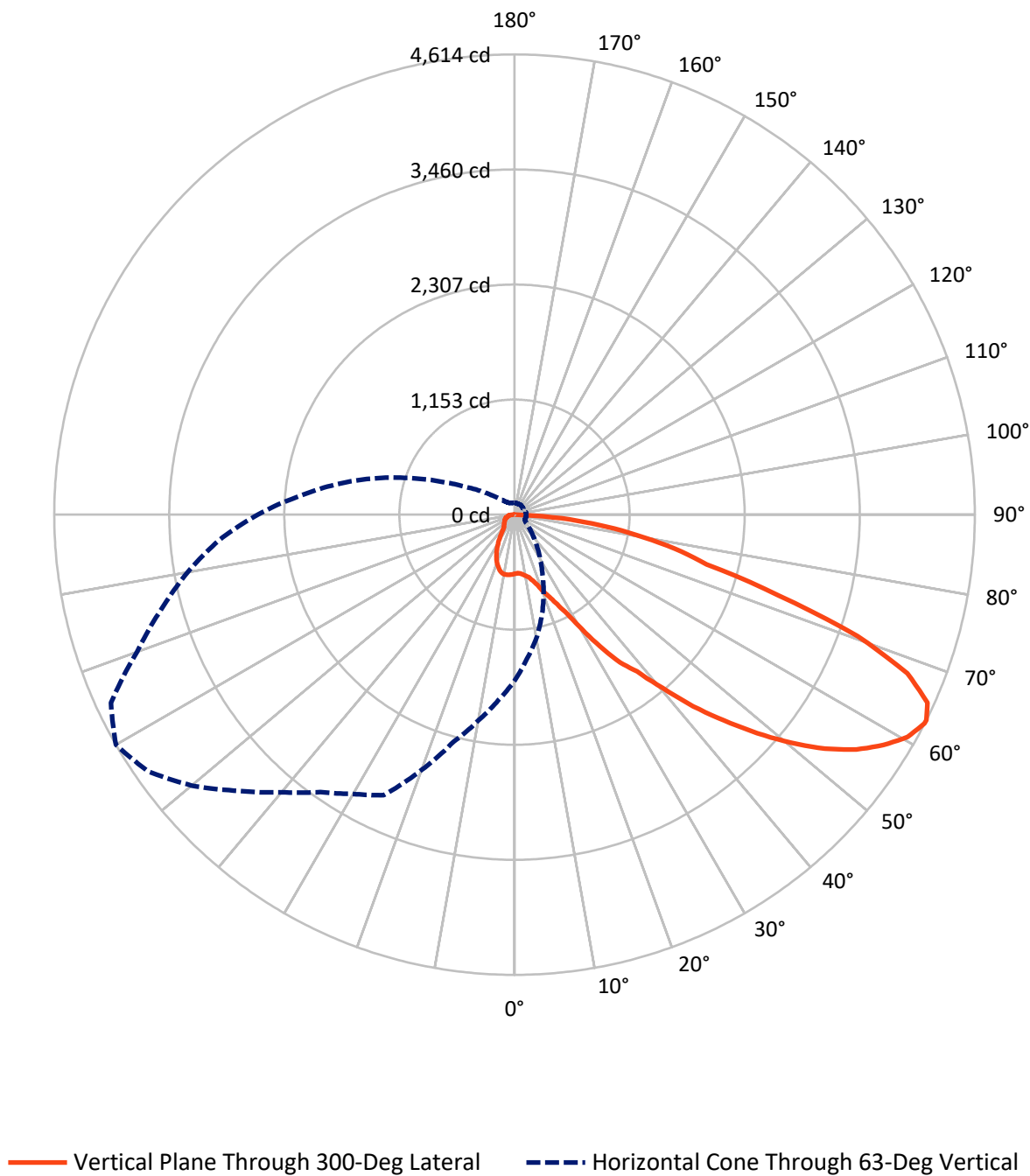


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1022.2	0.0	1022.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3691.7	0.0	3691.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	4713.9	0.0	4713.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	1.2
10°-20°	179.6	3.8
20°-30°	319.1	6.8
30°-40°	502.4	10.7
40°-50°	739.4	15.7
50°-60°	982.2	20.8
60°-70°	1081.9	23.0
70°-80°	678.8	14.4
80°-90°	172.9	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°	4713.9	100.0
0°-180°	4713.9	100.0

Coefficient of Utilization



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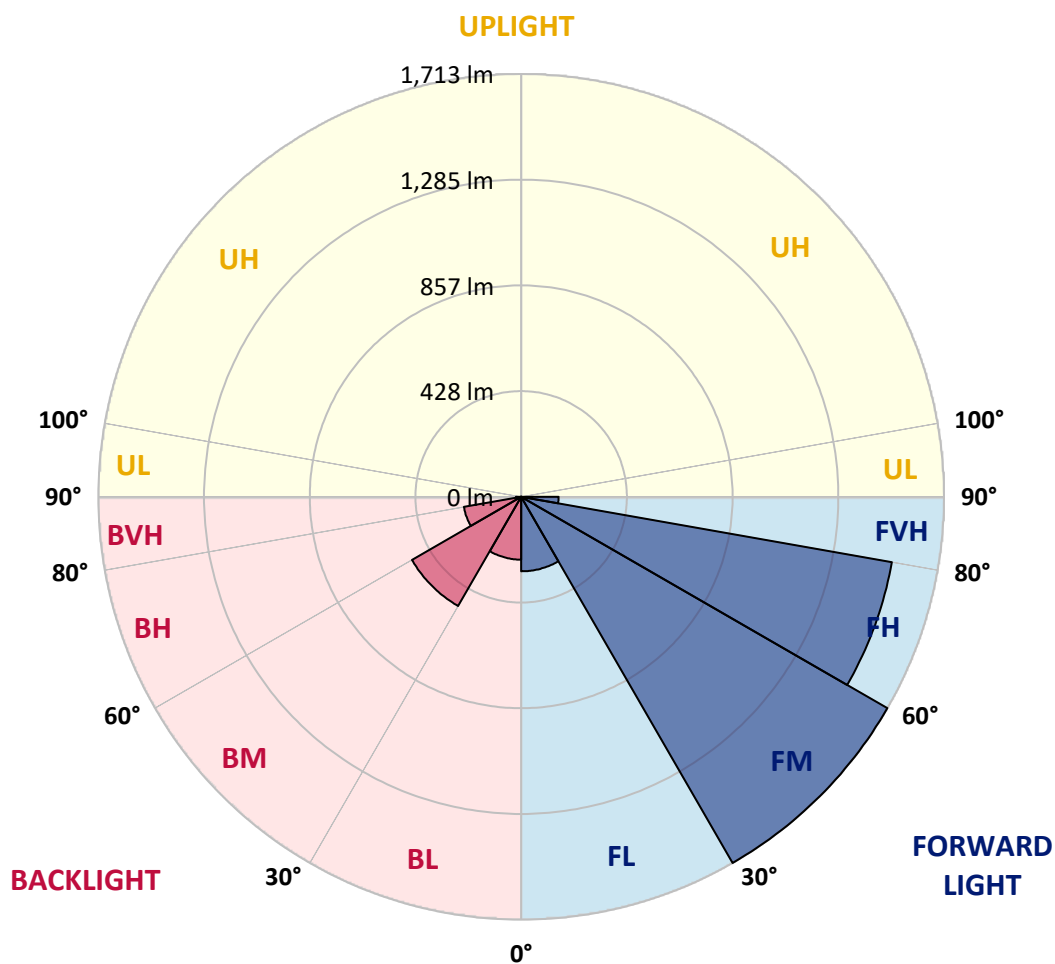
CATALOG NUMBER: VXS-F02-LED-E1-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.8	6.4			
FM	(30°-60°)	1713.1	36.3			
FH	(60°-80°)	1525.0	32.4			G1/1800
FVH	(80°-90°)	151.7	3.2			G2/225
BL	(0°-30°)	254.5	5.4	B1/500		
BM	(30°-60°)	510.9	10.8	B1/1000		
BH	(60°-80°)	235.6	5.0	B1/500		G1/500
BVH	(80°-90°)	21.2	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°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4
2.5°	584.5	586.2	585.6	585.6	586.7	586.2	586.2	586.7	586.7	588.4	590.7
5°	580.0	579.4	578.2	579.4	579.4	579.4	577.1	578.9	579.4	580.5	580.5
7.5°	585.6	583.9	581.7	582.2	582.2	581.1	579.4	580.0	579.4	579.4	578.9
10°	593.0	589.0	586.2	586.2	586.2	585.1	582.2	583.9	583.9	583.3	583.9
12.5°	605.9	601.5	598.0	596.9	596.9	595.2	593.0	595.2	594.1	594.1	593.0
15°	627.4	622.3	618.3	615.0	615.5	615.5	612.7	611.0	608.8	605.9	600.3
17.5°	659.6	654.0	648.8	646.0	646.6	642.7	634.7	626.8	616.1	605.4	593.5
20°	705.3	703.6	696.9	694.0	687.3	677.6	655.6	637.0	616.1	595.8	575.4
22.5°	784.4	776.5	769.7	759.0	736.4	709.8	673.2	640.4	607.7	578.9	551.7
25°	890.6	876.5	843.1	810.4	764.0	716.6	666.9	624.6	583.9	546.1	512.7
27.5°	995.0	952.1	892.8	833.5	765.8	703.6	641.6	591.3	543.8	502.6	465.9
30°	1121.6	1049.2	958.3	864.6	768.6	685.0	610.5	551.7	497.0	453.5	415.0
32.5°	1240.1	1135.6	1016.5	893.4	774.8	667.5	574.9	508.3	451.8	397.0	359.2
35°	1321.5	1185.9	1041.3	896.2	759.6	634.2	530.3	451.8	395.3	344.5	299.9
37.5°	1370.1	1208.0	1042.5	875.9	723.9	589.0	473.8	395.9	343.9	295.3	260.3
40°	1400.5	1213.1	1027.8	846.5	678.8	531.9	417.3	347.3	299.9	260.9	233.8
42.5°	1415.1	1205.1	1004.0	809.2	633.1	481.1	377.8	311.7	270.5	242.8	222.5
45°	1417.4	1191.0	978.7	775.3	592.4	444.5	350.7	297.0	263.1	240.0	219.7
47.5°	1417.4	1178.5	958.3	750.5	565.8	428.6	348.4	303.2	269.9	243.9	219.7
50°	1418.5	1174.6	949.8	738.1	556.8	437.1	367.7	322.5	284.7	250.8	219.1
52.5°	1423.6	1179.7	956.6	747.7	573.2	471.0	403.7	351.3	303.8	258.7	219.1
55°	1434.9	1196.7	985.4	781.0	617.2	522.4	447.3	382.3	319.1	262.1	215.8
57.5°	1466.5	1239.6	1037.9	845.4	692.3	581.7	486.7	404.4	324.7	259.2	208.9
60°	1529.8	1324.9	1127.8	935.8	771.9	632.4	509.9	407.8	319.6	250.2	198.2
62.5°	1630.9	1422.5	1236.7	1034.0	842.6	660.7	512.7	399.3	306.1	233.8	182.4
63°	1665.9	1446.8	1259.9	1052.6	851.6	663.0	510.5	395.9	302.7	229.3	180.1
65°	1763.6	1549.0	1340.1	1118.1	877.0	663.5	498.0	379.0	286.8	211.8	164.4
67.5°	1946.0	1683.4	1441.1	1169.5	886.0	645.5	466.4	347.3	253.6	184.7	144.6
70°	2061.2	1758.5	1480.1	1170.7	859.5	594.1	411.7	296.0	211.2	153.1	124.2
72.5°	2031.3	1684.6	1377.3	1065.1	744.9	496.4	330.9	232.6	164.9	122.6	103.3
75°	1739.9	1402.2	1123.8	825.1	563.0	364.8	242.3	166.0	122.0	96.0	86.4
77.5°	1252.5	1009.1	805.8	587.9	379.5	236.1	160.9	118.5	92.6	79.1	71.2
80°	797.9	591.8	493.0	353.5	222.0	146.2	110.7	89.7	76.3	66.1	61.0
82.5°	416.8	291.9	237.2	180.7	123.1	96.6	81.3	73.4	62.7	54.8	51.9
85°	259.8	172.2	127.7	89.2	61.6	55.3	50.8	49.7	44.7	39.5	37.8
87.5°	29.3	26.5	27.7	17.5	13.0	14.1	13.6	18.0	17.5	13.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4
2.5°	588.4	589.5	589.5	591.3	591.3	592.4	593.5	593.5	594.6	595.2	596.4
5°	581.7	581.7	581.7	583.9	584.5	587.9	589.0	590.2	591.3	595.2	597.5
7.5°	580.0	577.7	578.9	578.9	580.5	583.3	586.2	587.9	589.5	594.6	598.0
10°	583.3	581.7	580.0	580.0	580.5	581.7	583.9	585.6	586.7	591.8	594.6
12.5°	592.4	588.4	585.1	582.2	580.0	579.4	578.2	578.9	580.0	582.8	586.7
15°	594.1	586.7	579.4	572.0	566.4	563.0	560.2	559.1	559.1	560.7	565.3
17.5°	582.8	570.4	559.6	550.1	543.8	537.6	534.8	532.5	531.4	533.7	534.2
20°	558.5	543.8	529.1	517.8	506.5	504.9	500.3	501.5	502.6	506.0	507.7
22.5°	525.2	507.7	489.6	477.7	468.7	460.8	455.8	458.0	459.7	463.1	464.8
25°	484.6	459.1	439.9	428.1	418.4	411.7	406.0	408.3	406.0	409.9	416.2
27.5°	436.5	406.6	386.2	372.7	365.9	360.3	354.6	354.6	360.3	360.3	365.4
30°	378.3	356.4	329.8	315.6	307.3	303.8	303.2	302.1	306.1	308.3	314.0
32.5°	323.6	296.5	271.1	257.5	250.2	246.2	246.7	247.4	249.0	252.4	261.5
35°	268.3	244.6	226.4	211.2	203.8	196.5	196.5	195.4	197.1	201.0	211.8
37.5°	232.6	211.8	197.6	185.8	178.4	173.9	169.9	168.3	168.3	169.9	173.9
40°	212.8	197.6	184.7	174.5	167.8	163.7	161.6	159.8	158.7	158.7	159.3
42.5°	203.8	188.1	175.0	166.0	160.9	158.7	158.1	157.5	155.9	155.3	154.7
45°	199.4	181.2	166.6	159.3	155.3	154.2	154.7	154.7	154.2	153.1	150.8
47.5°	196.0	175.0	160.4	153.6	151.9	151.9	151.9	151.9	151.3	150.8	149.1
50°	190.3	165.5	149.6	144.6	143.4	143.4	144.0	144.0	145.2	144.0	142.9
52.5°	184.1	156.5	140.6	136.1	135.5	134.9	134.9	134.9	135.5	135.5	134.9
55°	177.3	149.6	136.1	132.7	133.3	132.7	132.1	131.6	131.6	131.0	129.8
57.5°	170.6	144.0	132.7	130.5	131.0	131.0	129.8	128.7	128.2	126.5	125.4
60°	160.4	136.1	125.9	124.8	126.5	126.5	126.5	125.9	125.9	125.4	122.6
62.5°	146.8	124.8	116.9	117.5	118.0	119.2	119.2	119.2	119.2	118.0	115.2
63°	144.0	122.6	115.2	115.2	116.9	116.9	117.5	116.9	117.5	116.4	113.0
65°	132.7	115.2	109.5	110.2	111.3	111.3	111.3	110.7	110.7	109.0	107.3
67.5°	119.7	106.2	102.8	103.3	103.9	105.1	104.5	104.5	105.1	103.9	102.2
70°	105.1	96.6	94.3	94.9	95.4	95.4	94.9	94.9	95.4	94.3	92.6
72.5°	93.8	90.4	88.7	88.7	87.6	87.6	86.4	85.8	85.3	85.3	83.6
75°	79.1	78.4	79.1	80.2	79.1	77.9	77.4	75.6	74.5	74.5	74.0
77.5°	67.8	67.8	68.9	70.6	71.2	71.2	69.4	66.6	66.1	66.1	66.1
80°	58.8	57.6	57.6	59.3	61.0	60.4	57.6	54.8	54.8	57.6	58.1
82.5°	51.4	51.4	49.7	50.3	49.7	49.1	46.3	44.7	44.0	46.3	48.6
85°	40.6	41.2	40.6	40.1	39.5	37.8	35.5	33.9	33.4	35.5	39.0
87.5°	16.4	15.9	15.2	15.9	15.2	16.4	15.9	14.7	14.1	15.9	19.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4
2.5°	596.9	598.0	599.2	599.2	600.3	599.7	600.3	600.8	600.8	601.5	601.5
5°	600.3	602.0	604.2	606.5	607.0	608.8	610.5	609.3	611.0	613.3	613.3
7.5°	601.5	605.4	607.0	610.5	611.0	613.3	617.2	614.4	617.8	619.5	620.1
10°	599.7	603.7	606.5	610.5	612.1	616.1	620.1	619.0	622.9	625.7	626.3
12.5°	589.5	593.5	599.7	605.4	609.8	616.1	623.4	621.1	626.8	630.3	631.9
15°	569.8	573.8	580.5	589.5	598.0	607.7	617.2	619.0	624.6	628.5	630.3
17.5°	538.8	543.8	551.2	560.7	571.5	587.9	600.3	606.5	614.4	616.7	619.5
20°	509.9	515.0	519.6	525.2	533.1	548.9	565.3	577.7	587.9	596.4	598.5
22.5°	471.5	476.1	481.7	486.2	491.9	503.2	516.7	530.9	546.6	551.7	557.4
25°	425.2	428.1	436.0	438.8	442.7	452.3	463.1	473.3	488.5	499.2	502.1
27.5°	375.5	378.3	385.7	387.4	392.4	401.6	409.4	413.4	427.5	438.8	447.8
30°	317.9	325.3	334.3	335.4	341.1	346.7	354.1	358.0	371.0	382.9	394.2
32.5°	268.3	275.5	282.9	287.5	290.3	294.8	302.1	306.1	318.5	329.2	340.5
35°	217.4	226.4	234.4	240.5	242.8	248.5	254.1	258.0	271.1	280.6	288.6
37.5°	179.0	185.8	194.3	200.5	206.7	210.7	217.4	223.1	231.0	236.1	244.6
40°	160.4	163.7	168.3	173.4	178.4	183.0	188.1	192.5	197.6	204.5	210.1
42.5°	154.2	154.7	154.7	156.5	159.3	161.6	166.0	169.4	172.8	177.9	180.7
45°	149.6	149.1	148.0	146.8	147.4	148.5	151.3	153.6	157.5	159.8	160.4
47.5°	147.4	145.2	142.9	141.1	140.6	141.1	143.4	145.7	148.0	149.6	150.3
50°	140.0	138.3	134.9	132.7	131.6	132.7	135.5	136.7	139.0	140.6	141.1
52.5°	132.7	130.5	128.2	125.9	125.9	126.5	128.7	131.0	133.3	133.9	134.9
55°	128.2	124.8	122.6	120.8	119.7	121.5	123.1	125.9	128.7	129.3	130.5
57.5°	123.6	120.3	118.0	116.4	115.2	116.9	118.5	122.6	125.9	125.9	125.9
60°	120.8	118.0	114.6	113.0	111.3	113.0	115.2	119.2	122.6	122.0	121.5
62.5°	113.0	110.2	108.4	108.4	106.7	109.5	111.8	116.4	116.9	115.8	114.6
63°	110.7	108.4	107.3	107.3	106.2	109.0	111.3	115.2	115.2	114.1	113.0
65°	105.1	103.3	102.2	103.3	103.3	106.2	106.7	109.5	109.0	107.3	106.7
67.5°	100.5	99.4	98.2	98.2	98.2	98.9	99.4	100.5	100.0	99.4	100.0
70°	93.2	92.6	91.5	91.5	90.9	90.9	90.9	91.5	91.5	92.0	92.6
72.5°	84.1	83.0	83.0	83.6	82.5	83.0	83.6	83.0	84.1	84.1	84.7
75°	74.0	73.4	74.5	75.6	75.1	75.1	75.6	75.6	76.3	76.3	76.8
77.5°	66.1	66.6	67.2	68.3	68.9	68.9	68.9	68.3	68.9	68.9	69.4
80°	58.8	59.9	61.0	62.1	62.7	62.7	62.7	62.1	62.1	62.1	62.1
82.5°	53.1	54.8	56.0	56.5	56.5	56.5	56.5	56.5	56.5	55.3	54.2
85°	44.7	48.0	48.0	48.6	46.8	45.7	44.7	45.2	45.7	43.5	42.9
87.5°	22.6	22.6	23.7	24.9	25.4	25.4	28.8	27.2	26.5	26.0	24.9
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4
2.5°	602.0	601.5	602.6	601.5	602.0	602.6	601.5	603.1	604.2	602.6	600.8
5°	614.4	614.4	617.2	618.3	619.0	622.3	620.6	621.8	622.9	622.3	622.9
7.5°	622.3	624.6	627.4	630.3	630.8	633.6	633.1	634.7	635.9	638.7	638.7
10°	629.1	631.9	635.9	638.7	641.6	643.7	644.9	648.3	648.8	651.1	651.1
12.5°	635.3	638.7	642.7	647.2	649.9	654.5	655.0	660.1	661.9	662.4	660.7
15°	634.2	638.1	642.7	647.8	652.8	658.4	661.9	666.9	669.7	670.9	668.1
17.5°	623.4	626.8	632.4	639.3	645.5	652.8	659.1	666.3	670.9	672.0	671.4
20°	602.6	604.8	612.1	621.1	628.5	639.8	648.8	660.1	667.5	673.2	674.8
22.5°	561.3	566.9	574.3	584.5	595.2	609.3	622.3	638.7	654.5	668.1	681.7
25°	511.6	521.8	533.1	546.6	559.6	574.3	589.0	607.7	630.8	659.1	691.2
27.5°	461.3	478.9	493.0	510.5	525.8	540.4	556.8	577.1	602.6	636.5	677.6
30°	410.6	430.4	445.6	465.9	486.2	506.0	522.4	543.8	568.7	603.1	648.3
32.5°	356.4	376.1	394.2	412.8	435.4	459.1	478.9	505.4	531.9	567.6	613.3
35°	300.4	317.9	333.2	353.0	377.8	403.2	429.2	459.7	488.5	525.8	574.3
37.5°	251.8	264.2	279.0	296.5	315.6	342.8	372.1	408.3	441.0	481.7	531.4
40°	211.8	218.5	227.0	241.7	259.2	285.7	314.5	353.0	392.4	437.1	485.1
42.5°	180.7	184.1	186.3	196.0	210.1	236.1	263.7	301.0	344.5	393.1	441.7
45°	160.4	162.1	162.6	167.8	177.9	200.5	229.3	260.9	302.7	350.2	400.9
47.5°	150.8	152.4	153.6	154.7	160.9	178.4	204.5	234.4	272.7	316.3	368.2
50°	142.9	144.6	146.2	145.7	148.5	159.8	181.9	209.5	245.7	285.7	337.1
52.5°	134.9	136.1	136.1	136.1	137.8	145.2	160.9	186.3	219.7	257.5	308.3
55°	130.5	131.6	132.1	132.7	133.3	137.2	149.1	169.4	198.2	233.3	279.0
57.5°	125.9	126.5	127.7	128.2	129.3	131.6	139.0	153.6	177.9	207.3	245.7
60°	122.0	123.1	125.4	125.9	127.0	127.7	131.0	140.0	155.9	178.4	209.5
62.5°	115.8	117.5	119.7	120.3	121.5	122.0	122.6	127.7	134.9	148.5	171.7
63°	114.1	115.8	118.5	119.2	119.7	119.7	120.3	123.6	130.5	142.3	159.3
65°	107.9	110.2	111.8	112.3	113.0	113.0	112.3	113.5	114.1	119.2	129.3
67.5°	101.0	102.8	103.9	104.5	103.9	104.5	103.9	102.8	101.7	102.8	107.3
70°	94.3	95.4	95.4	96.0	96.6	97.1	96.0	94.9	93.8	93.2	96.0
72.5°	86.4	87.6	87.6	88.1	88.1	89.2	89.2	88.7	88.7	89.2	89.7
75°	78.4	79.6	79.1	80.2	80.2	81.9	81.9	82.5	83.6	83.0	82.5
77.5°	71.2	71.7	71.7	72.3	72.8	75.6	77.4	77.9	77.9	76.8	75.6
80°	63.2	63.2	62.1	61.6	62.1	65.0	68.3	68.9	70.6	70.1	70.6
82.5°	53.1	50.8	49.1	49.1	50.3	51.9	53.1	54.2	55.3	55.3	56.5
85°	40.6	38.4	36.7	37.3	39.0	39.5	39.0	39.0	41.2	42.9	41.2
87.5°	24.2	22.1	20.9	19.2	19.8	21.5	20.9	19.2	19.8	15.9	14.7
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4
2.5°	602.0	601.5	600.3	598.5	598.0	596.9	597.5	595.8	594.6	593.5	591.8
5°	622.9	622.9	619.5	619.5	617.8	617.2	613.3	611.6	608.2	609.3	605.4
7.5°	637.6	639.3	635.3	634.7	632.4	631.9	626.8	625.2	622.3	621.1	617.8
10°	648.3	648.3	643.2	639.3	636.5	633.6	628.5	626.3	624.0	624.6	622.3
12.5°	656.8	652.8	645.5	639.8	635.9	633.1	629.1	627.4	626.8	630.8	631.4
15°	663.5	657.9	648.8	644.9	641.6	640.9	640.9	642.7	646.6	654.0	659.6
17.5°	667.5	664.1	659.6	658.4	664.1	667.5	672.0	677.1	682.7	693.0	699.2
20°	674.8	677.1	680.5	685.0	694.0	702.5	708.2	715.5	722.3	734.7	744.9
22.5°	694.0	707.0	717.7	726.8	740.3	752.2	759.6	769.7	774.8	783.2	799.1
25°	718.9	745.4	768.0	787.3	808.1	820.5	830.7	843.7	851.6	865.7	879.8
27.5°	711.5	749.4	783.2	818.9	847.7	879.8	902.4	923.8	937.4	958.3	977.0
30°	688.9	734.1	779.9	826.7	872.5	918.8	961.8	1000.7	1030.6	1060.5	1091.0
32.5°	658.4	710.4	766.3	823.9	883.7	948.2	1007.5	1066.2	1115.9	1159.4	1201.8
35°	623.4	682.2	740.3	811.5	885.5	967.4	1049.8	1131.1	1206.8	1283.6	1335.5
37.5°	581.7	641.6	706.4	788.4	875.3	976.4	1081.5	1187.6	1294.9	1398.2	1488.0
40°	537.0	598.0	666.3	755.0	853.3	970.8	1101.8	1244.7	1392.0	1541.7	1660.8
42.5°	497.5	560.2	634.7	724.6	831.3	963.4	1118.1	1293.8	1473.9	1659.2	1834.2
45°	459.1	528.0	606.5	703.1	821.7	969.0	1142.4	1339.5	1547.4	1772.1	1985.6
47.5°	424.7	494.7	570.9	676.6	807.6	971.9	1166.1	1385.3	1616.8	1860.2	2113.8
50°	393.6	461.3	536.5	642.7	785.5	970.2	1187.6	1426.4	1676.7	1929.6	2212.5
52.5°	363.1	432.0	508.8	609.8	758.4	960.6	1197.7	1460.3	1732.0	1999.7	2292.2
55°	333.2	400.9	478.3	578.9	722.8	935.8	1196.7	1482.4	1776.1	2065.7	2369.0
57.5°	298.1	362.6	438.2	544.4	685.0	897.3	1179.7	1492.5	1813.9	2131.2	2461.0
60°	254.7	315.1	388.0	494.1	635.3	848.2	1144.1	1486.9	1835.9	2179.8	2539.5
62.5°	201.0	253.6	320.2	424.1	573.2	777.6	1077.5	1435.5	1800.9	2173.1	2576.3
63°	189.7	239.5	304.4	407.2	546.6	758.4	1057.7	1415.1	1783.9	2159.0	2571.2
65°	152.4	184.7	236.6	328.7	457.4	664.1	959.5	1310.7	1693.1	2059.5	2497.7
67.5°	116.9	133.3	160.9	225.3	323.6	522.4	777.1	1110.8	1469.4	1813.9	2261.1
70°	100.0	107.3	119.2	149.6	205.6	329.8	545.5	828.4	1139.1	1437.7	1839.9
72.5°	90.9	94.3	100.5	113.5	141.1	197.6	347.9	539.3	774.8	1025.0	1335.5
75°	83.6	86.4	91.5	98.2	108.4	131.6	198.2	329.8	503.7	673.2	901.2
77.5°	76.3	77.9	83.6	89.7	96.6	108.4	131.0	189.7	289.7	397.0	543.2
80°	70.1	68.9	72.8	83.0	89.7	96.6	103.3	123.1	164.9	217.4	293.7
82.5°	56.0	57.0	60.4	70.6	73.4	71.7	72.8	76.3	92.0	100.5	150.3
85°	37.8	35.0	34.4	35.5	35.5	33.9	33.9	33.4	36.7	41.8	71.7
87.5°	10.2	5.1	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°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	0°
2.5°	590.7	590.2	590.7	587.9	587.9	587.4	586.7	585.6	585.6	583.3	585.1	2.5°
5°	602.0	600.8	598.5	595.2	593.5	591.3	591.3	589.0	587.4	585.1	585.6	5°
7.5°	615.0	615.5	611.6	608.8	607.7	605.4	605.9	602.6	603.1	601.5	600.3	7.5°
10°	622.3	622.3	623.4	622.9	624.0	624.0	625.7	623.4	622.3	620.6	620.6	10°
12.5°	634.2	636.5	640.9	640.9	644.4	645.5	646.0	647.2	644.9	643.7	639.8	12.5°
15°	663.5	669.2	673.2	678.8	685.6	687.9	687.9	685.6	684.5	682.7	675.4	15°
17.5°	712.1	724.6	727.9	737.0	738.1	740.9	748.8	744.2	741.5	729.6	727.4	17.5°
20°	761.8	777.6	793.5	804.8	810.4	821.7	823.3	821.1	809.8	798.5	793.5	20°
22.5°	821.7	845.4	863.4	880.9	889.4	895.0	907.5	904.7	895.6	878.7	871.9	22.5°
25°	906.3	935.8	954.9	976.4	987.7	993.4	1005.8	1005.8	996.2	991.1	990.5	25°
27.5°	1013.1	1049.2	1080.8	1088.2	1117.6	1124.4	1136.2	1136.2	1127.2	1120.9	1150.9	27.5°
30°	1131.7	1169.5	1224.4	1261.0	1296.6	1331.6	1331.1	1333.3	1344.0	1349.6	1362.7	30°
32.5°	1250.3	1297.2	1355.3	1434.9	1511.2	1576.2	1660.3	1713.9	1697.5	1651.8	1633.7	32.5°
35°	1394.3	1446.2	1516.8	1597.0	1736.5	1820.6	1861.3	1890.2	1893.5	1899.7	1912.7	35°
37.5°	1554.7	1641.7	1723.5	1814.4	1891.8	1994.0	2088.3	2164.0	2181.5	2217.1	2196.8	37.5°
40°	1757.4	1854.5	1940.4	2057.8	2161.8	2284.9	2419.8	2523.7	2565.5	2551.9	2450.3	40°
42.5°	1969.7	2090.1	2190.6	2328.9	2463.8	2626.5	2766.0	2911.1	2937.1	2832.6	2680.7	42.5°
45°	2165.1	2314.2	2439.0	2583.0	2747.9	2942.7	3129.1	3278.1	3273.1	3094.1	2890.8	45°
47.5°	2340.7	2523.7	2676.2	2863.7	3041.0	3273.1	3487.2	3597.2	3532.3	3320.5	3071.5	47.5°
50°	2485.9	2714.0	2902.1	3091.8	3317.1	3596.7	3802.8	3865.0	3739.6	3509.1	3247.2	50°
52.5°	2602.8	2889.1	3100.3	3318.9	3603.4	3897.7	4075.0	4051.8	3889.7	3653.2	3392.2	52.5°
55°	2701.7	3022.9	3274.8	3532.8	3885.8	4156.9	4274.9	4212.7	3986.3	3746.3	3491.6	55°
57.5°	2803.8	3152.8	3435.1	3734.5	4127.6	4360.2	4425.7	4298.0	4032.1	3781.9	3534.6	57.5°
60°	2906.0	3261.2	3576.9	3910.7	4310.5	4526.2	4508.2	4317.3	4018.5	3756.0	3505.8	60°
62.5°	2974.9	3325.6	3659.4	4019.1	4447.7	4610.9	4500.2	4248.9	3940.0	3653.7	3419.9	62.5°
63°	2976.6	3327.9	3664.5	4026.4	4463.0	4613.8	4485.0	4224.7	3915.2	3632.8	3394.5	63°
65°	2941.0	3285.5	3619.3	3993.2	4449.9	4548.8	4353.4	4081.2	3773.5	3488.3	3262.4	65°
67.5°	2759.2	3110.5	3405.3	3757.6	4217.3	4245.5	4001.0	3781.3	3504.7	3209.3	2973.3	67.5°
70°	2392.7	2684.7	2973.8	3268.0	3653.7	3648.6	3418.8	3306.9	3064.8	2728.2	2539.0	70°
72.5°	1903.1	2165.1	2368.4	2565.5	2819.6	2768.3	2620.3	2651.3	2494.4	2243.0	2130.7	72.5°
75°	1413.0	1700.9	1800.3	1880.5	1987.8	1988.4	2029.0	2117.1	2114.8	1975.3	1833.7	75°
77.5°	926.7	1241.8	1275.1	1339.5	1468.3	1643.3	1824.0	2018.3	2066.8	1956.8	1747.3	77.5°
80°	516.7	844.2	805.8	861.2	1000.1	1237.8	1504.5	1719.0	1845.5	1783.9	1562.0	80°
82.5°	264.2	486.7	465.3	542.2	654.5	861.2	1037.4	1202.3	1351.4	1342.9	1258.8	82.5°
85°	137.2	266.5	303.2	343.3	399.8	473.8	540.4	588.4	650.6	760.1	797.4	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	40.6	29.3	80.7	115.2	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°
592.4	592.4	592.4	592.4	592.4	592.4	592.4
585.6	586.2	585.1	585.1	585.6	585.6	584.5
584.5	584.5	583.3	582.2	581.1	581.1	580.0
597.5	597.5	593.5	591.8	589.0	586.7	585.6
616.7	613.3	608.8	605.4	600.8	595.8	593.0
635.9	630.8	625.2	620.1	614.4	608.8	605.9
667.5	660.7	653.4	647.2	639.3	630.8	627.4
716.1	705.3	695.8	686.7	672.5	666.3	659.6
780.4	764.7	752.2	737.0	719.5	713.8	705.3
858.3	844.8	820.0	808.7	791.2	782.7	784.4
977.0	959.5	930.7	919.9	918.2	899.6	890.6
1131.7	1132.8	1106.3	1077.5	1061.7	1032.3	995.0
1351.9	1336.7	1305.6	1276.3	1239.0	1183.6	1121.6
1618.4	1584.6	1533.2	1478.4	1412.3	1327.0	1240.1
1878.9	1819.5	1737.6	1646.1	1550.7	1444.6	1321.5
2107.6	2015.4	1893.0	1787.9	1653.0	1520.2	1370.1
2316.5	2202.4	2044.2	1908.2	1748.9	1578.3	1400.5
2518.7	2374.1	2180.4	1996.3	1816.2	1617.3	1415.1
2711.2	2524.9	2295.0	2075.9	1865.3	1642.8	1417.4
2859.2	2655.9	2397.8	2133.5	1899.2	1662.0	1417.4
2996.4	2766.5	2476.3	2178.7	1930.8	1674.9	1418.5
3103.1	2844.5	2527.2	2210.9	1955.6	1684.6	1423.6
3180.5	2895.3	2561.0	2230.7	1973.7	1698.1	1434.9
3234.7	2928.6	2579.6	2248.2	1995.8	1721.9	1466.5
3260.7	2990.2	2610.7	2283.1	2033.6	1772.1	1529.8
3240.9	3085.6	2699.4	2342.5	2086.1	1850.6	1630.9
3232.4	3103.1	2723.6	2355.4	2097.9	1867.6	1665.9
3166.3	3120.6	2823.6	2420.9	2154.4	1942.6	1763.6
2961.3	3051.7	2907.8	2531.6	2275.9	2125.1	1946.0
2696.0	2949.5	2892.4	2545.7	2353.2	2274.7	2061.2
2378.0	2640.6	2587.6	2357.7	2267.9	2276.4	2031.3
1871.5	2068.6	2033.6	1952.7	1970.9	2033.0	1739.9
1499.3	1472.7	1392.0	1397.7	1502.2	1575.0	1252.5
1224.9	991.6	886.6	889.4	1071.8	1147.5	797.9
1165.6	938.0	764.0	667.5	779.9	751.1	416.8
830.2	831.8	690.1	560.7	543.2	462.0	259.8
196.5	157.5	112.3	83.6	88.1	58.1	29.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)