

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: P153288

Luminaire Tested: **VXS-E02-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153288
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-8030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4696.7 lumens
Efficiency: N/A
Efficacy: 90.1 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

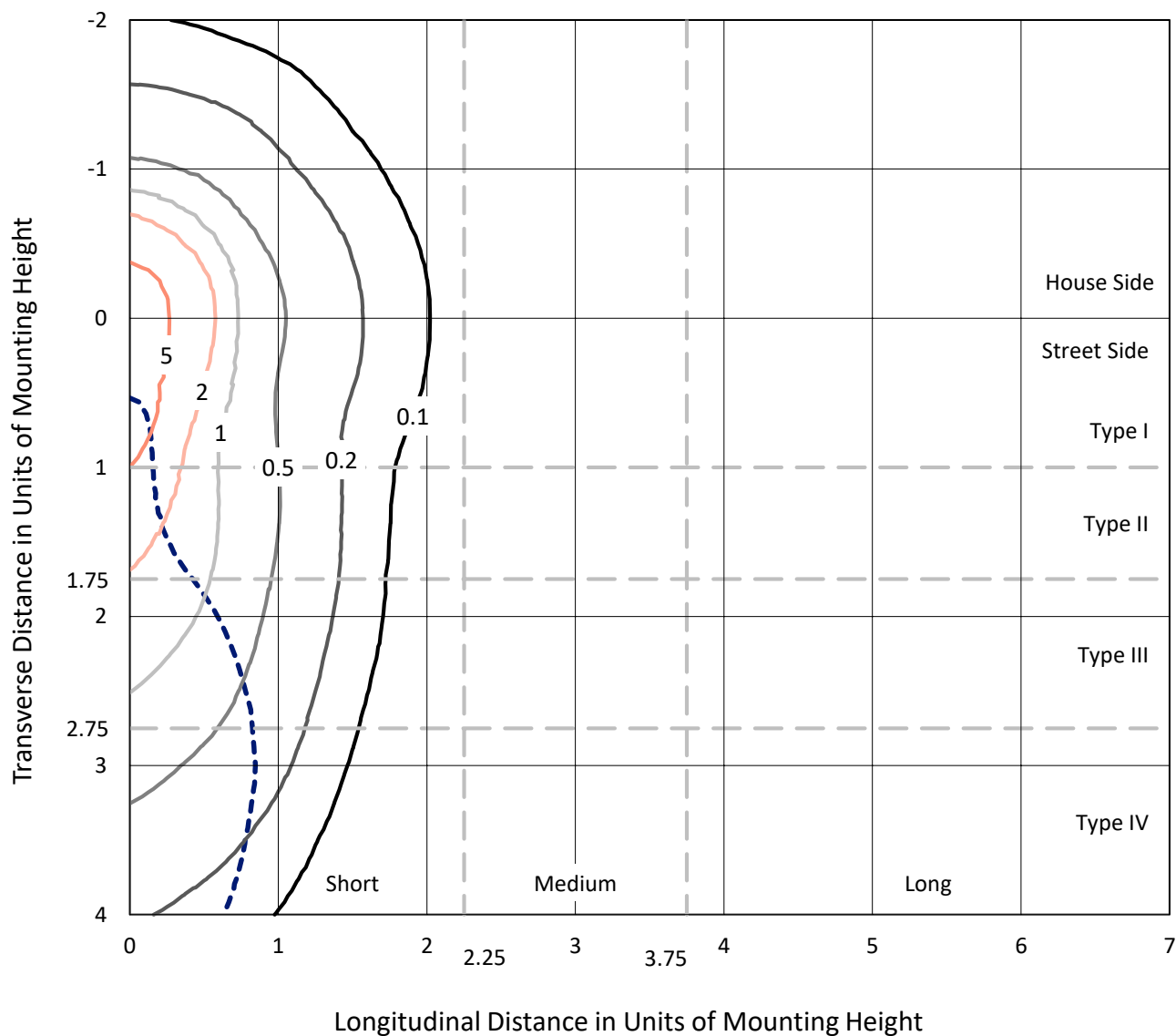


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

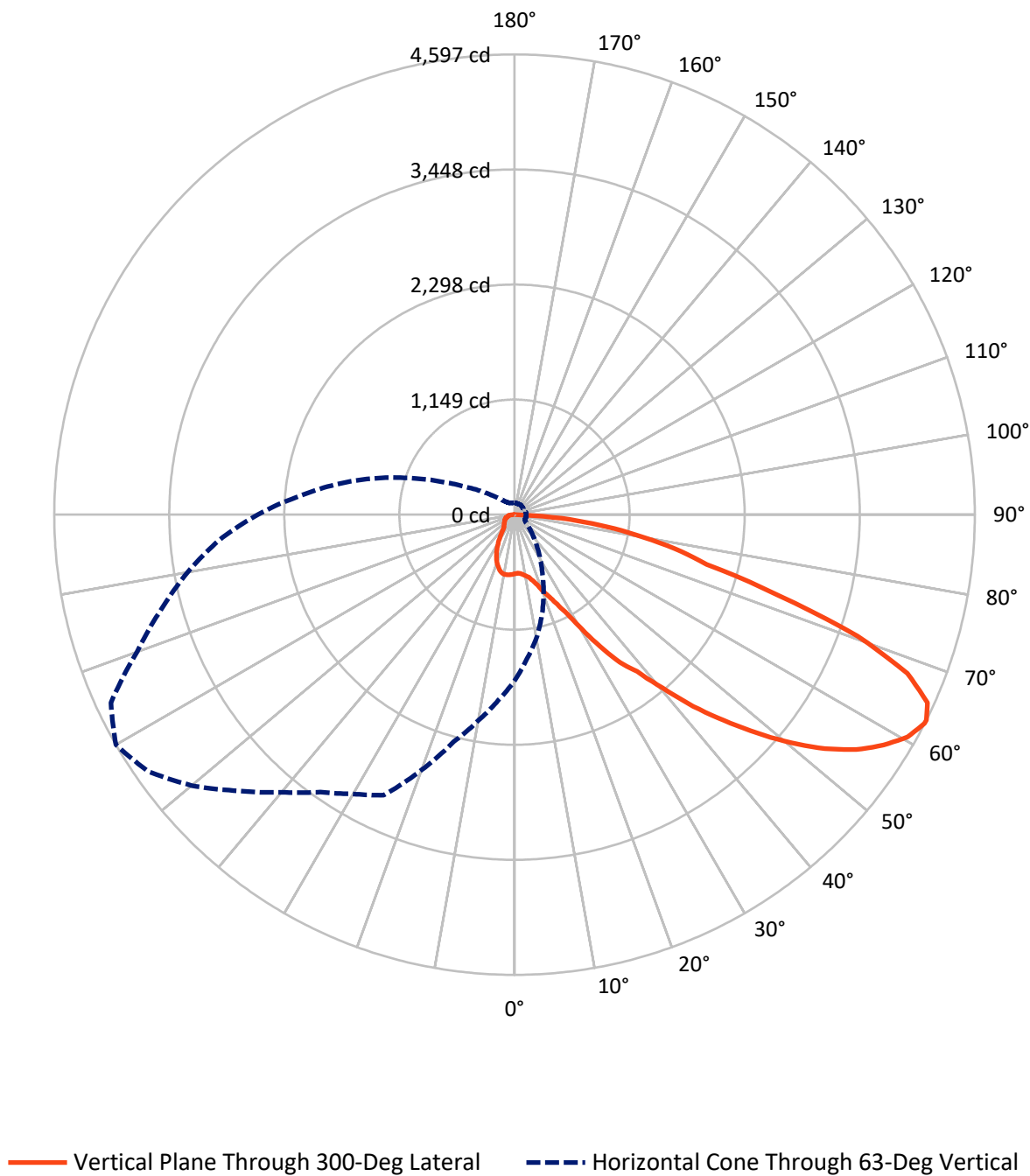


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1018.5	0.0	1018.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3678.3	0.0	3678.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	4696.7	0.0	4696.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.2
10°-20°	178.9	3.8
20°-30°	317.9	6.8
30°-40°	500.6	10.7
40°-50°	736.7	15.7
50°-60°	978.6	20.8
60°-70°	1077.9	23.0
70°-80°	676.3	14.4
80°-90°	172.2	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°	4696.7	100.0
0°-180°	4696.7	100.0

Coefficient of Utilization



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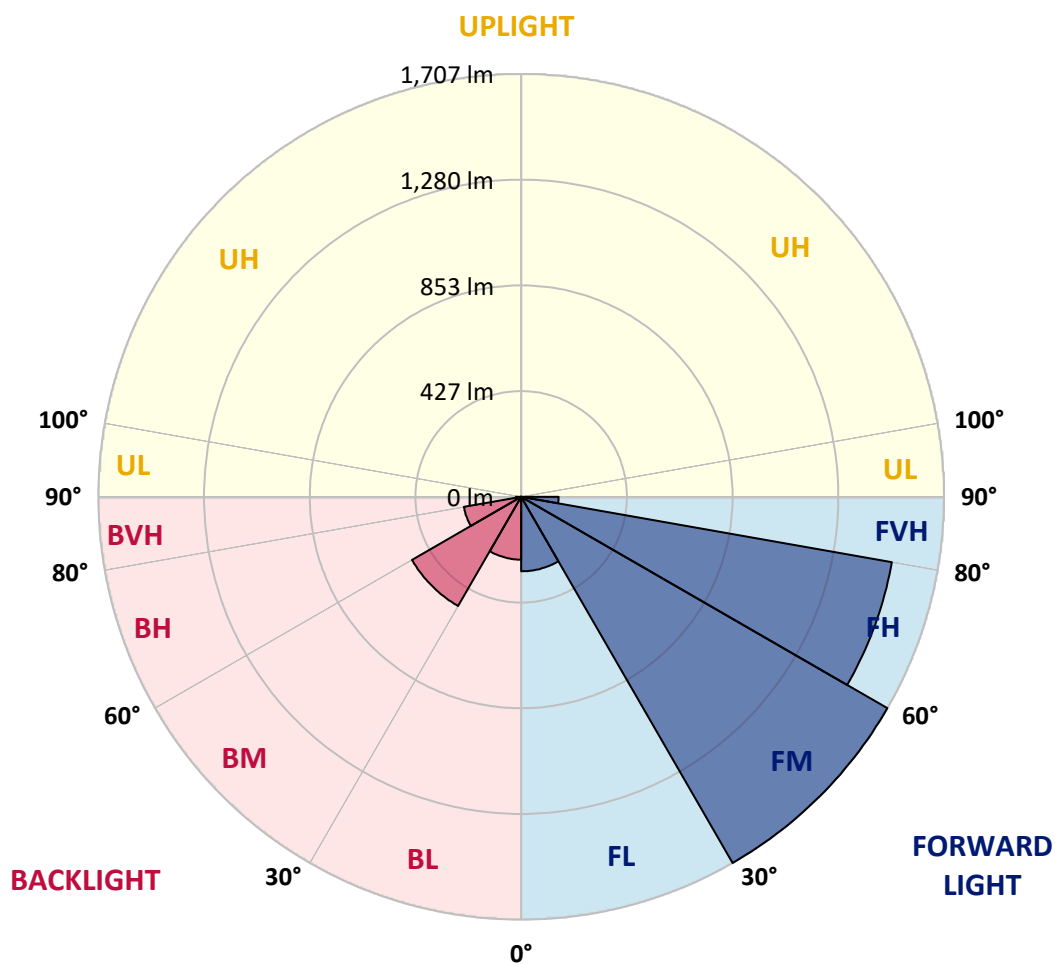
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.7	6.4			
FM	(30°-60°)	1706.9	36.3			
FH	(60°-80°)	1519.5	32.4			G1/1800
FVH	(80°-90°)	151.2	3.2			G2/225
BL	(0°-30°)	253.6	5.4	B1/500		
BM	(30°-60°)	509.1	10.8	B1/1000		
BH	(60°-80°)	234.8	5.0	B1/500		G1/500
BVH	(80°-90°)	21.1	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°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	582.4	584.0	583.5	583.5	584.6	584.0	584.0	584.6	584.6	586.3	588.5
5°	577.8	577.3	576.2	577.3	577.3	577.3	575.0	576.7	577.3	578.4	578.4
7.5°	583.5	581.8	579.6	580.1	580.1	579.0	577.3	577.8	577.3	577.3	576.7
10°	590.8	586.8	584.0	584.0	584.0	582.9	580.1	581.8	581.8	581.2	581.8
12.5°	603.7	599.3	595.9	594.7	594.7	593.1	590.8	593.1	591.9	591.9	590.8
15°	625.1	620.1	616.1	612.7	613.3	613.3	610.5	608.8	606.5	603.7	598.1
17.5°	657.2	651.6	646.5	643.7	644.2	640.3	632.4	624.6	613.9	603.2	591.4
20°	702.8	701.0	694.3	691.5	684.8	675.2	653.3	634.7	613.9	593.6	573.4
22.5°	781.6	773.7	766.9	756.2	733.7	707.3	670.7	638.0	605.4	576.7	549.7
25°	887.4	873.3	840.1	807.5	761.2	714.0	664.5	622.3	581.8	544.0	510.9
27.5°	991.4	948.6	889.5	830.5	763.0	701.0	639.2	589.1	541.9	500.7	464.1
30°	1117.4	1045.4	954.8	861.5	765.8	682.5	608.2	549.7	495.1	451.8	413.6
32.5°	1235.6	1131.5	1012.7	890.2	772.0	665.1	572.7	506.4	450.2	395.5	357.8
35°	1316.6	1181.6	1037.5	893.0	756.8	631.9	528.3	450.2	393.9	343.2	298.8
37.5°	1365.0	1203.5	1038.7	872.6	721.3	586.8	472.0	394.4	342.7	294.3	259.4
40°	1395.4	1208.6	1024.0	843.4	676.3	530.1	415.9	346.0	298.8	260.0	233.0
42.5°	1410.1	1200.7	1000.4	806.3	630.8	479.4	376.4	310.6	269.5	242.0	221.7
45°	1412.2	1186.6	975.1	772.5	590.3	442.8	349.4	296.0	262.2	239.2	218.9
47.5°	1412.2	1174.3	954.8	747.8	563.8	427.0	347.2	302.2	268.9	243.1	218.9
50°	1413.4	1170.4	946.4	735.4	554.8	435.5	366.3	321.2	283.6	249.8	218.3
52.5°	1418.4	1175.4	953.2	745.0	571.1	469.2	402.3	349.9	302.7	257.7	218.3
55°	1429.7	1192.2	981.9	778.1	615.0	520.4	445.6	380.9	317.9	261.0	214.9
57.5°	1461.2	1235.0	1034.2	842.3	689.8	579.6	485.0	402.9	323.5	258.2	208.2
60°	1524.2	1320.0	1123.6	932.3	769.1	630.2	508.1	406.2	318.4	249.2	197.5
62.5°	1625.0	1417.3	1232.2	1030.3	839.5	658.3	510.9	397.8	305.0	233.0	181.8
63°	1659.9	1441.6	1255.3	1048.8	848.5	660.5	508.6	394.4	301.6	228.4	179.5
65°	1757.2	1543.4	1335.2	1114.1	873.8	661.1	496.3	377.5	285.8	211.0	163.7
67.5°	1939.0	1677.3	1436.0	1165.3	882.8	643.1	464.8	346.0	252.6	184.0	144.0
70°	2053.7	1752.1	1474.7	1166.4	856.4	591.9	410.2	294.8	210.5	152.4	123.8
72.5°	2023.9	1678.4	1372.3	1061.1	742.2	494.6	329.7	231.8	164.2	122.1	103.0
75°	1733.6	1397.1	1119.7	822.1	560.9	363.5	241.3	165.4	121.6	95.6	86.1
77.5°	1248.0	1005.5	802.9	585.7	378.1	235.2	160.3	118.1	92.2	78.8	70.9
80°	795.0	589.6	491.2	352.2	221.1	145.7	110.3	89.4	76.0	65.8	60.7
82.5°	415.2	290.9	236.3	180.0	122.7	96.2	81.0	73.2	62.5	54.6	51.8
85°	258.9	171.6	127.2	88.9	61.3	55.1	50.7	49.5	44.5	39.4	37.7
87.5°	29.2	26.4	27.6	17.4	13.0	14.1	13.5	18.0	17.4	13.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	586.3	587.5	587.5	589.1	589.1	590.3	591.4	591.4	592.4	593.1	594.2
5°	579.6	579.6	579.6	581.8	582.4	585.7	586.8	588.0	589.1	593.1	595.3
7.5°	577.8	575.6	576.7	576.7	578.4	581.2	584.0	585.7	587.5	592.4	595.9
10°	581.2	579.6	577.8	577.8	578.4	579.6	581.8	583.5	584.6	589.6	592.4
12.5°	590.3	586.3	582.9	580.1	577.8	577.3	576.2	576.7	577.8	580.6	584.6
15°	591.9	584.6	577.3	569.9	564.4	560.9	558.1	557.0	557.0	558.8	563.2
17.5°	580.6	568.3	557.6	548.1	541.9	535.6	532.8	530.6	529.4	531.7	532.2
20°	556.5	541.9	527.3	516.0	504.7	503.0	498.5	499.7	500.7	504.1	505.8
22.5°	523.3	505.8	487.9	476.1	467.0	459.2	454.1	456.3	458.0	461.3	463.1
25°	482.8	457.4	438.3	426.5	416.9	410.2	404.6	406.8	404.6	408.5	414.7
27.5°	434.9	405.1	384.9	371.4	364.6	359.0	353.4	353.4	359.0	359.0	364.0
30°	377.0	355.0	328.6	314.5	306.1	302.7	302.2	301.0	305.0	307.3	312.8
32.5°	322.4	295.4	270.1	256.6	249.2	245.3	245.9	246.4	248.1	251.5	260.5
35°	267.3	243.6	225.6	210.5	203.1	195.9	195.9	194.7	196.4	200.3	211.0
37.5°	231.8	211.0	196.9	185.1	177.8	173.3	169.3	167.7	167.7	169.3	173.3
40°	212.1	196.9	184.0	173.9	167.2	163.2	160.9	159.3	158.1	158.1	158.7
42.5°	203.1	187.4	174.4	165.4	160.3	158.1	157.5	157.0	155.3	154.7	154.2
45°	198.7	180.6	166.0	158.7	154.7	153.6	154.2	154.2	153.6	152.4	150.3
47.5°	195.2	174.4	159.8	153.1	151.4	151.4	151.4	151.4	150.8	150.3	148.5
50°	189.6	164.9	149.1	144.0	142.9	142.9	143.5	143.5	144.6	143.5	142.4
52.5°	183.4	155.9	140.1	135.6	135.0	134.5	134.5	134.5	135.0	135.0	134.5
55°	176.7	149.1	135.6	132.2	132.7	132.2	131.7	131.1	131.1	130.6	129.4
57.5°	169.9	143.5	132.2	129.9	130.6	130.6	129.4	128.3	127.8	126.0	124.9
60°	159.8	135.6	125.5	124.4	126.0	126.0	126.0	125.5	125.5	124.9	122.1
62.5°	146.3	124.4	116.5	117.0	117.6	118.8	118.8	118.8	118.8	117.6	114.8
63°	143.5	122.1	114.8	114.8	116.5	116.5	117.0	116.5	117.0	116.0	112.5
65°	132.2	114.8	109.1	109.7	110.9	110.9	110.9	110.3	110.3	108.6	106.9
67.5°	119.3	105.8	102.4	103.0	103.5	104.7	104.0	104.0	104.7	103.5	101.9
70°	104.7	96.2	94.0	94.5	95.1	95.1	94.5	94.5	95.1	94.0	92.2
72.5°	93.4	90.1	88.3	88.3	87.3	87.3	86.1	85.5	85.0	85.0	83.3
75°	78.8	78.2	78.8	79.9	78.8	77.6	77.1	75.4	74.3	74.3	73.7
77.5°	67.6	67.6	68.6	70.4	70.9	70.9	69.2	66.4	65.8	65.8	65.8
80°	58.5	57.4	57.4	59.1	60.7	60.2	57.4	54.6	54.6	57.4	57.9
82.5°	51.2	51.2	49.5	50.1	49.5	48.9	46.1	44.5	43.9	46.1	48.4
85°	40.5	41.0	40.5	40.0	39.4	37.7	35.4	33.8	33.2	35.4	38.9
87.5°	16.3	15.8	15.2	15.8	15.2	16.3	15.8	14.6	14.1	15.8	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°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	594.7	595.9	597.0	597.0	598.1	597.5	598.1	598.7	598.7	599.3	599.3
5°	598.1	599.8	602.1	604.2	604.9	606.5	608.2	607.2	608.8	611.1	611.1
7.5°	599.3	603.2	604.9	608.2	608.8	611.1	615.0	612.1	615.5	617.2	617.8
10°	597.5	601.5	604.2	608.2	609.9	613.9	617.8	616.7	620.6	623.4	624.0
12.5°	587.5	591.4	597.5	603.2	607.7	613.9	621.1	619.0	624.6	628.0	629.6
15°	567.8	571.7	578.4	587.5	595.9	605.4	615.0	616.7	622.3	626.2	628.0
17.5°	536.8	541.9	549.1	558.8	569.4	585.7	598.1	604.2	612.1	614.4	617.2
20°	508.1	513.2	517.6	523.3	531.2	546.9	563.2	575.6	585.7	594.2	596.4
22.5°	469.8	474.3	480.0	484.5	490.1	501.3	514.8	528.9	544.7	549.7	555.3
25°	423.7	426.5	434.4	437.2	441.1	450.7	461.3	471.5	486.7	497.4	500.2
27.5°	374.2	377.0	384.2	386.0	391.1	400.0	408.0	411.9	425.9	437.2	446.2
30°	316.8	324.0	333.1	334.2	339.9	345.5	352.7	356.7	369.6	381.5	392.7
32.5°	267.3	274.6	281.9	286.4	289.2	293.7	301.0	305.0	317.3	328.1	339.3
35°	216.6	225.6	233.5	239.7	242.0	247.6	253.2	257.1	270.1	279.7	287.6
37.5°	178.3	185.1	193.6	199.8	205.9	209.8	216.6	222.3	230.2	235.2	243.6
40°	159.8	163.2	167.7	172.7	177.8	182.3	187.4	191.9	196.9	203.7	209.3
42.5°	153.6	154.2	154.2	155.9	158.7	160.9	165.4	168.8	172.1	177.2	180.0
45°	149.1	148.5	147.5	146.3	146.8	148.0	150.8	153.1	157.0	159.3	159.8
47.5°	146.8	144.6	142.4	140.6	140.1	140.6	142.9	145.2	147.5	149.1	149.6
50°	139.6	137.8	134.5	132.2	131.1	132.2	135.0	136.2	138.4	140.1	140.6
52.5°	132.2	129.9	127.8	125.5	125.5	126.0	128.3	130.6	132.7	133.4	134.5
55°	127.8	124.4	122.1	120.4	119.3	120.9	122.7	125.5	128.3	128.8	129.9
57.5°	123.2	119.9	117.6	116.0	114.8	116.5	118.1	122.1	125.5	125.5	125.5
60°	120.4	117.6	114.2	112.5	110.9	112.5	114.8	118.8	122.1	121.6	120.9
62.5°	112.5	109.7	108.0	108.0	106.3	109.1	111.4	116.0	116.5	115.3	114.2
63°	110.3	108.0	106.9	106.9	105.8	108.6	110.9	114.8	114.8	113.7	112.5
65°	104.7	103.0	101.9	103.0	103.0	105.8	106.3	109.1	108.6	106.9	106.3
67.5°	100.1	99.1	97.9	97.9	97.9	98.4	99.1	100.1	99.6	99.1	99.6
70°	92.8	92.2	91.2	91.2	90.6	90.6	90.6	91.2	91.2	91.7	92.2
72.5°	83.8	82.7	82.7	83.3	82.2	82.7	83.3	82.7	83.8	83.8	84.4
75°	73.7	73.2	74.3	75.4	74.8	74.8	75.4	75.4	76.0	76.0	76.5
77.5°	65.8	66.4	66.9	68.1	68.6	68.6	68.6	68.1	68.6	68.6	69.2
80°	58.5	59.7	60.7	61.9	62.5	62.5	62.5	61.9	61.9	61.9	61.9
82.5°	52.8	54.6	55.8	56.3	56.3	56.3	56.3	56.3	56.3	55.1	54.0
85°	44.5	47.9	47.9	48.4	46.7	45.6	44.5	45.0	45.6	43.3	42.8
87.5°	22.5	22.5	23.6	24.8	25.3	25.3	28.7	27.0	26.4	25.9	24.8
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°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	599.8	599.3	600.3	599.3	599.8	600.3	599.3	600.9	602.1	600.3	598.7
5°	612.1	612.1	615.0	616.1	616.7	620.1	618.3	619.5	620.6	620.1	620.6
7.5°	620.1	622.3	625.1	628.0	628.5	631.3	630.8	632.4	633.6	636.4	636.4
10°	626.8	629.6	633.6	636.4	639.2	641.5	642.6	645.9	646.5	648.7	648.7
12.5°	633.0	636.4	640.3	644.8	647.7	652.1	652.6	657.7	659.5	660.0	658.3
15°	631.9	635.9	640.3	645.4	650.5	656.1	659.5	664.5	667.4	668.4	665.6
17.5°	621.1	624.6	630.2	636.9	643.1	650.5	656.6	663.9	668.4	669.5	669.0
20°	600.3	602.6	609.9	619.0	626.2	637.5	646.5	657.7	665.1	670.7	672.3
22.5°	559.3	564.9	572.2	582.4	593.1	607.2	620.1	636.4	652.1	665.6	679.2
25°	509.7	519.9	531.2	544.7	557.6	572.2	586.8	605.4	628.5	656.6	688.7
27.5°	459.7	477.1	491.2	508.6	523.8	538.4	554.8	575.0	600.3	634.1	675.2
30°	409.0	428.7	443.9	464.1	484.5	504.1	520.4	541.9	566.6	600.9	645.9
32.5°	355.0	374.7	392.7	411.3	433.8	457.4	477.1	503.6	530.1	565.5	611.1
35°	299.4	316.8	332.0	351.7	376.4	401.8	427.7	458.0	486.7	523.8	572.2
37.5°	251.0	263.3	277.9	295.4	314.5	341.6	370.8	406.8	439.5	480.0	529.4
40°	211.0	217.7	226.2	240.8	258.2	284.7	313.4	351.7	391.1	435.5	483.3
42.5°	180.0	183.4	185.7	195.2	209.3	235.2	262.8	299.9	343.2	391.6	440.0
45°	159.8	161.5	162.1	167.2	177.2	199.8	228.4	260.0	301.6	348.8	399.5
47.5°	150.3	151.9	153.1	154.2	160.3	177.8	203.7	233.5	271.8	315.1	366.8
50°	142.4	144.0	145.7	145.2	148.0	159.3	181.1	208.7	244.8	284.7	336.0
52.5°	134.5	135.6	135.6	135.6	137.3	144.6	160.3	185.7	218.9	256.6	307.3
55°	129.9	131.1	131.7	132.2	132.7	136.7	148.5	168.8	197.5	232.3	277.9
57.5°	125.5	126.0	127.2	127.8	128.8	131.1	138.4	153.1	177.2	206.5	244.8
60°	121.6	122.7	124.9	125.5	126.6	127.2	130.6	139.6	155.3	177.8	208.7
62.5°	115.3	117.0	119.3	119.9	120.9	121.6	122.1	127.2	134.5	148.0	171.1
63°	113.7	115.3	118.1	118.8	119.3	119.3	119.9	123.2	129.9	141.8	158.7
65°	107.5	109.7	111.4	112.0	112.5	112.5	112.0	113.1	113.7	118.8	128.8
67.5°	100.7	102.4	103.5	104.0	103.5	104.0	103.5	102.4	101.2	102.4	106.9
70°	94.0	95.1	95.1	95.6	96.2	96.8	95.6	94.5	93.4	92.8	95.6
72.5°	86.1	87.3	87.3	87.8	87.8	88.9	88.9	88.3	88.3	88.9	89.4
75°	78.2	79.4	78.8	79.9	79.9	81.6	81.6	82.2	83.3	82.7	82.2
77.5°	70.9	71.5	71.5	72.0	72.5	75.4	77.1	77.6	77.6	76.5	75.4
80°	63.0	63.0	61.9	61.3	61.9	64.7	68.1	68.6	70.4	69.7	70.4
82.5°	52.8	50.7	48.9	48.9	50.1	51.8	52.8	54.0	55.1	55.1	56.3
85°	40.5	38.2	36.6	37.1	38.9	39.4	38.9	38.9	41.0	42.8	41.0
87.5°	24.1	22.0	20.8	19.2	19.7	21.3	20.8	19.2	19.7	15.8	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	599.8	599.3	598.1	596.4	595.9	594.7	595.3	593.6	592.4	591.4	589.6
5°	620.6	620.6	617.2	617.2	615.5	615.0	611.1	609.3	606.0	607.2	603.2
7.5°	635.2	636.9	633.0	632.4	630.2	629.6	624.6	622.9	620.1	619.0	615.5
10°	645.9	645.9	640.8	636.9	634.1	631.3	626.2	624.0	621.8	622.3	620.1
12.5°	654.4	650.5	643.1	637.5	633.6	630.8	626.8	625.1	624.6	628.5	629.0
15°	661.1	655.5	646.5	642.6	639.2	638.7	638.7	640.3	644.2	651.6	657.2
17.5°	665.1	661.7	657.2	656.1	661.7	665.1	669.5	674.6	680.2	690.4	696.6
20°	672.3	674.6	678.0	682.5	691.5	700.0	705.6	712.8	719.7	732.0	742.2
22.5°	691.5	704.5	715.1	724.1	737.6	749.4	756.8	766.9	772.0	780.4	796.2
25°	716.3	742.7	765.2	784.4	805.2	817.5	827.7	840.6	848.5	862.6	876.6
27.5°	708.9	746.6	780.4	815.9	844.6	876.6	899.2	920.5	934.0	954.8	973.4
30°	686.4	731.5	777.0	823.7	869.3	915.4	958.2	997.0	1026.8	1056.7	1087.0
32.5°	656.1	707.9	763.5	820.9	880.5	944.7	1003.8	1062.3	1111.8	1155.1	1197.3
35°	621.1	679.7	737.6	808.5	882.3	963.8	1046.0	1127.0	1202.4	1279.0	1330.7
37.5°	579.6	639.2	703.9	785.5	872.1	972.8	1077.5	1183.3	1290.2	1393.2	1482.6
40°	535.1	595.9	663.9	752.2	850.2	967.3	1097.7	1240.1	1386.9	1536.1	1654.8
42.5°	495.8	558.1	632.4	721.9	828.2	959.9	1114.1	1289.0	1468.5	1653.1	1827.6
45°	457.4	526.1	604.2	700.5	818.7	965.5	1138.2	1334.6	1541.7	1765.6	1978.3
47.5°	423.1	492.8	568.8	674.1	804.6	968.3	1161.9	1380.2	1610.9	1853.4	2106.0
50°	392.1	459.7	534.5	640.3	782.7	966.6	1183.3	1421.2	1670.6	1922.6	2204.5
52.5°	361.8	430.5	506.9	607.7	755.6	957.1	1193.4	1455.0	1725.7	1992.3	2283.8
55°	332.0	399.5	476.6	576.7	720.2	932.3	1192.2	1477.0	1769.5	2058.2	2360.3
57.5°	297.1	361.2	436.6	542.4	682.5	894.1	1175.4	1487.2	1807.3	2123.5	2452.1
60°	253.8	314.0	386.5	492.3	633.0	845.1	1140.0	1481.5	1829.2	2171.9	2530.3
62.5°	200.3	252.6	319.1	422.6	571.1	774.8	1073.6	1430.3	1794.3	2165.1	2566.8
63°	189.0	238.5	303.3	405.7	544.7	755.6	1053.9	1410.1	1777.4	2151.1	2561.8
65°	151.9	184.0	235.8	327.5	455.8	661.7	956.0	1305.9	1686.8	2052.0	2488.6
67.5°	116.5	132.7	160.3	224.5	322.4	520.4	774.2	1106.7	1464.0	1807.3	2252.8
70°	99.6	106.9	118.8	149.1	204.8	328.6	543.5	825.4	1134.9	1432.5	1833.2
72.5°	90.6	94.0	100.1	113.1	140.6	196.9	346.6	537.3	772.0	1021.2	1330.7
75°	83.3	86.1	91.2	97.9	108.0	131.1	197.5	328.6	501.9	670.7	898.0
77.5°	76.0	77.6	83.3	89.4	96.2	108.0	130.6	189.0	288.6	395.5	541.2
80°	69.7	68.6	72.5	82.7	89.4	96.2	103.0	122.7	164.2	216.6	292.5
82.5°	55.8	56.8	60.2	70.4	73.2	71.5	72.5	76.0	91.7	100.1	149.6
85°	37.7	34.9	34.3	35.4	35.4	33.8	33.8	33.2	36.6	41.7	71.5
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°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	0°
2.5°	588.5	588.0	588.5	585.7	585.7	585.2	584.6	583.5	583.5	581.2	582.9	2.5°
5°	599.8	598.7	596.4	593.1	591.4	589.1	589.1	586.8	585.2	582.9	583.5	5°
7.5°	612.7	613.3	609.3	606.5	605.4	603.2	603.7	600.3	600.9	599.3	598.1	7.5°
10°	620.1	620.1	621.1	620.6	621.8	621.8	623.4	621.1	620.1	618.3	618.3	10°
12.5°	631.9	634.1	638.7	638.7	642.0	643.1	643.7	644.8	642.6	641.5	637.5	12.5°
15°	661.1	666.7	670.7	676.3	683.1	685.3	685.3	683.1	682.0	680.2	673.0	15°
17.5°	709.5	721.9	725.3	734.3	735.4	738.2	746.1	741.6	738.8	726.9	724.7	17.5°
20°	759.1	774.8	790.6	801.8	807.5	818.7	820.3	818.1	806.8	795.6	790.6	20°
22.5°	818.7	842.3	860.3	877.7	886.2	891.8	904.1	901.3	892.3	875.5	868.7	22.5°
25°	903.1	932.3	951.5	972.8	984.1	989.7	1002.1	1002.1	992.5	987.5	986.9	25°
27.5°	1009.4	1045.4	1076.9	1084.2	1113.5	1120.2	1132.1	1132.1	1123.1	1116.9	1146.7	27.5°
30°	1127.6	1165.3	1219.9	1256.4	1291.9	1326.7	1326.2	1328.4	1339.2	1344.8	1357.7	30°
32.5°	1245.7	1292.4	1350.4	1429.7	1505.7	1570.4	1654.2	1707.7	1691.4	1645.8	1627.8	32.5°
35°	1389.2	1440.9	1511.3	1591.2	1730.2	1814.0	1854.5	1883.2	1886.6	1892.7	1905.7	35°
37.5°	1549.0	1635.6	1717.2	1807.9	1884.9	1986.7	2080.7	2156.2	2173.6	2209.0	2188.7	37.5°
40°	1751.0	1847.8	1933.3	2050.4	2153.9	2276.5	2411.0	2514.5	2556.2	2542.7	2441.3	40°
42.5°	1962.6	2082.4	2182.6	2320.4	2454.9	2616.9	2756.0	2900.5	2926.4	2822.3	2671.0	42.5°
45°	2157.2	2305.8	2430.2	2573.6	2737.9	2932.0	3117.7	3266.2	3261.1	3082.8	2880.3	45°
47.5°	2332.2	2514.5	2666.4	2853.3	3029.9	3261.1	3474.4	3584.1	3519.5	3308.4	3060.3	47.5°
50°	2476.8	2704.1	2891.5	3080.5	3305.1	3583.6	3788.9	3850.9	3725.9	3496.4	3235.3	50°
52.5°	2593.3	2878.5	3089.0	3306.7	3590.4	3883.5	4060.2	4037.1	3875.6	3639.9	3379.9	52.5°
55°	2691.8	3011.9	3262.9	3520.0	3871.7	4141.8	4259.4	4197.4	3971.8	3732.6	3479.0	55°
57.5°	2793.6	3141.3	3422.7	3720.8	4112.4	4344.4	4409.5	4282.4	4017.4	3768.2	3521.7	57.5°
60°	2895.4	3249.3	3563.9	3896.4	4294.8	4509.7	4491.7	4301.6	4003.9	3742.3	3493.0	60°
62.5°	2964.1	3313.5	3646.0	4004.5	4431.5	4594.1	4483.8	4233.5	3925.7	3640.4	3407.5	62.5°
63°	2965.8	3315.8	3651.1	4011.8	4446.7	4596.9	4468.6	4209.2	3900.9	3619.6	3382.2	63°
65°	2930.4	3273.6	3606.1	3978.5	4433.8	4532.2	4337.5	4066.3	3759.7	3475.5	3250.5	65°
67.5°	2749.1	3099.2	3392.8	3743.9	4202.0	4230.1	3986.4	3767.6	3491.9	3197.6	2962.4	67.5°
70°	2384.0	2674.9	2963.0	3256.2	3640.4	3635.3	3406.3	3294.9	3053.6	2718.2	2529.7	70°
72.5°	1896.2	2157.2	2359.8	2556.2	2809.3	2758.1	2610.8	2641.7	2485.3	2234.9	2122.9	72.5°
75°	1407.8	1694.7	1793.8	1873.7	1980.5	1981.1	2021.7	2109.4	2107.2	1968.2	1826.9	75°
77.5°	923.3	1237.3	1270.5	1334.6	1462.9	1637.3	1817.4	2011.0	2059.4	1949.6	1740.8	77.5°
80°	514.8	841.1	802.9	858.0	996.5	1233.4	1499.0	1712.7	1838.8	1777.4	1556.3	80°
82.5°	263.3	485.0	463.6	540.1	652.1	858.0	1033.6	1197.9	1346.4	1338.0	1254.2	82.5°
85°	136.7	265.6	302.2	342.1	398.3	472.0	538.4	586.3	648.2	757.3	794.5	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	40.5	29.2	80.4	114.8	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°
590.3	590.3	590.3	590.3	590.3	590.3	590.3
583.5	584.0	582.9	582.9	583.5	583.5	582.4
582.4	582.4	581.2	580.1	579.0	579.0	577.8
595.3	595.3	591.4	589.6	586.8	584.6	583.5
614.4	611.1	606.5	603.2	598.7	593.6	590.8
633.6	628.5	622.9	617.8	612.1	606.5	603.7
665.1	658.3	651.0	644.8	636.9	628.5	625.1
713.5	702.8	693.2	684.1	670.2	663.9	657.2
777.6	761.9	749.4	734.3	716.8	711.2	702.8
855.2	841.8	817.0	805.7	788.3	779.9	781.6
973.4	956.0	927.3	916.6	914.9	896.3	887.4
1127.6	1128.7	1102.3	1073.6	1057.8	1028.5	991.4
1347.0	1331.8	1300.8	1271.6	1234.5	1179.4	1117.4
1612.5	1578.9	1527.7	1473.1	1407.3	1322.3	1235.6
1872.0	1812.8	1731.3	1640.2	1545.1	1439.3	1316.6
2099.9	2008.2	1886.0	1781.3	1646.9	1514.7	1365.0
2308.1	2194.4	2036.8	1901.2	1742.6	1572.6	1395.4
2509.4	2365.4	2172.4	1989.0	1809.5	1611.5	1410.1
2701.3	2515.6	2286.6	2068.3	1858.4	1636.8	1412.2
2848.7	2646.2	2389.0	2125.7	1892.2	1656.0	1412.2
2985.5	2756.5	2467.3	2170.8	1923.7	1668.8	1413.4
3091.8	2834.1	2517.9	2202.8	1948.5	1678.4	1418.4
3168.9	2884.8	2551.7	2222.5	1966.5	1691.9	1429.7
3222.9	2917.9	2570.3	2240.0	1988.4	1715.5	1461.2
3248.8	2979.3	2601.1	2274.8	2026.1	1765.6	1524.2
3229.1	3074.4	2689.5	2333.9	2078.4	1843.8	1625.0
3220.6	3091.8	2713.7	2346.8	2090.3	1860.7	1659.9
3154.8	3109.2	2813.3	2412.1	2146.5	1935.5	1757.2
2950.6	3040.6	2897.1	2522.4	2267.6	2117.3	1939.0
2686.1	2938.8	2882.0	2536.5	2344.6	2266.4	2053.7
2369.3	2631.0	2578.1	2349.1	2259.7	2268.1	2023.9
1864.7	2061.0	2026.1	1945.7	1963.7	2025.6	1733.6
1493.9	1467.5	1386.9	1392.5	1496.7	1569.2	1248.0
1220.4	988.1	883.4	886.2	1068.0	1143.3	795.0
1161.3	934.6	761.2	665.1	777.0	748.3	415.2
827.2	828.8	687.6	558.8	541.2	460.2	258.9
195.9	157.0	112.0	83.3	87.8	57.9	29.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)