

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: STREETWORKS

Report Number: P#####

Luminaire Tested: **VERD-M-A04-T3-4000K-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#####
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P233743)
Test Lab: EATON
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-M-A04-T3-4000K-HSS
Description:
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27235.4 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 0.97' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 247
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: 28.75 FT

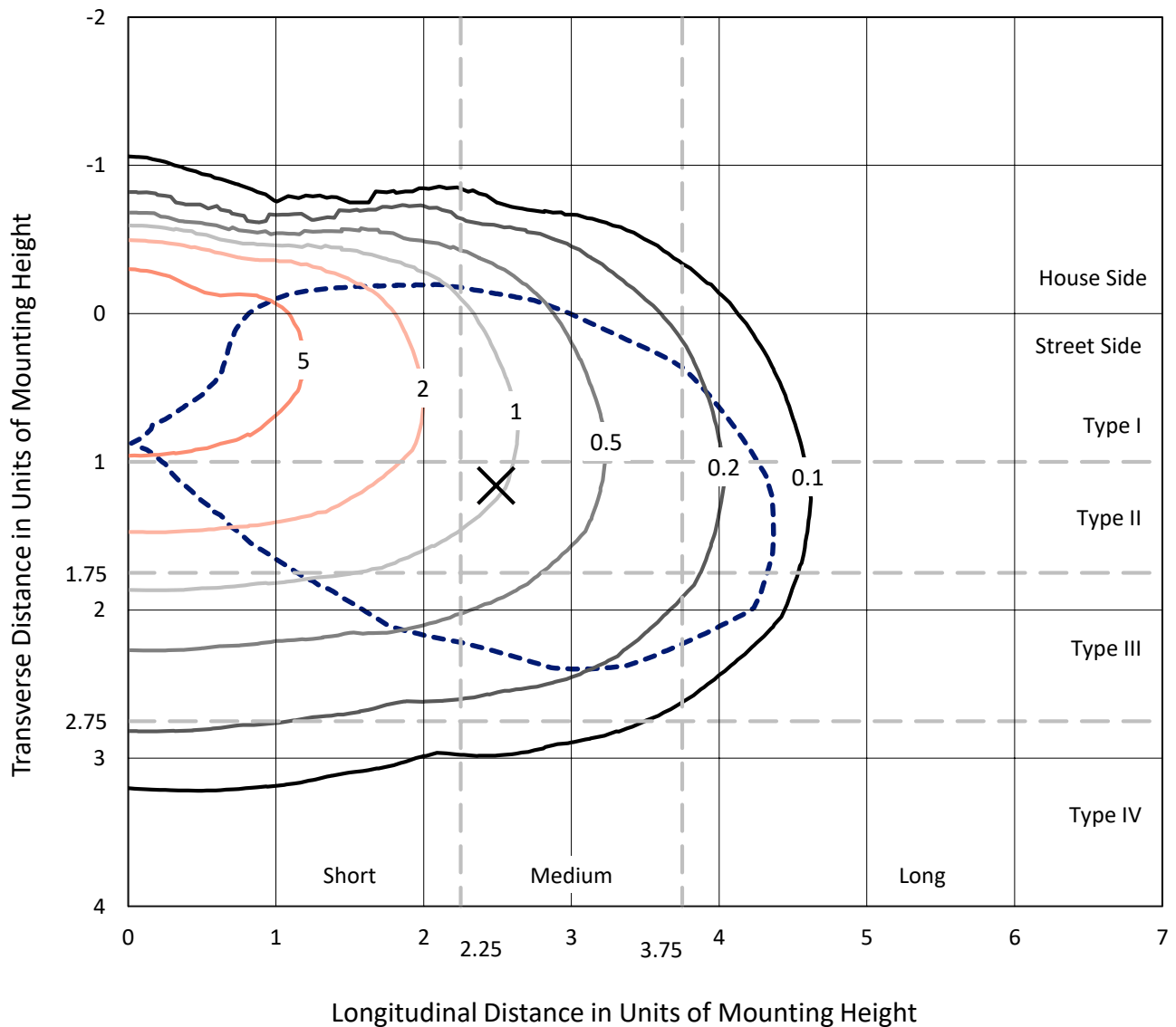


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

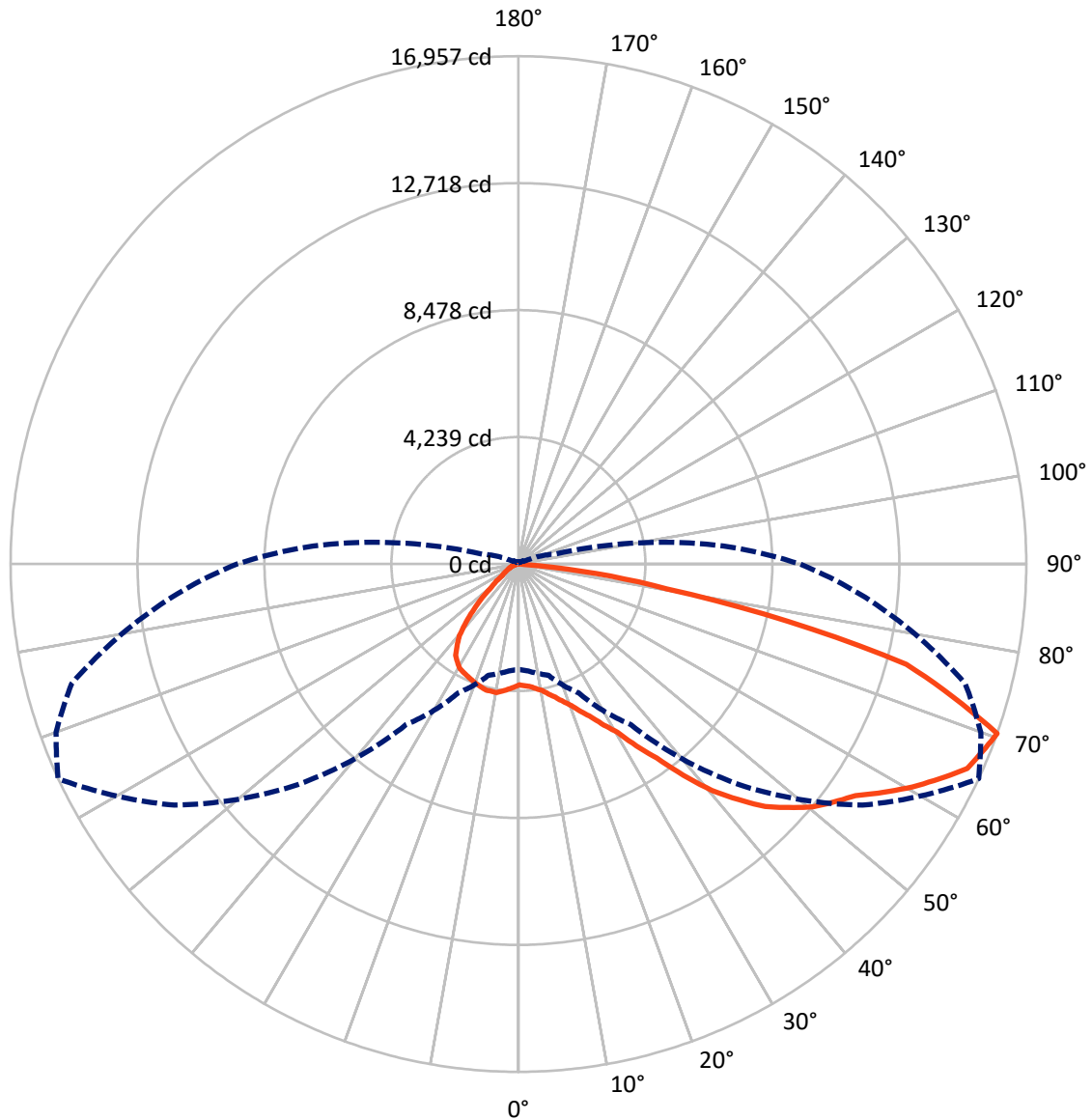


Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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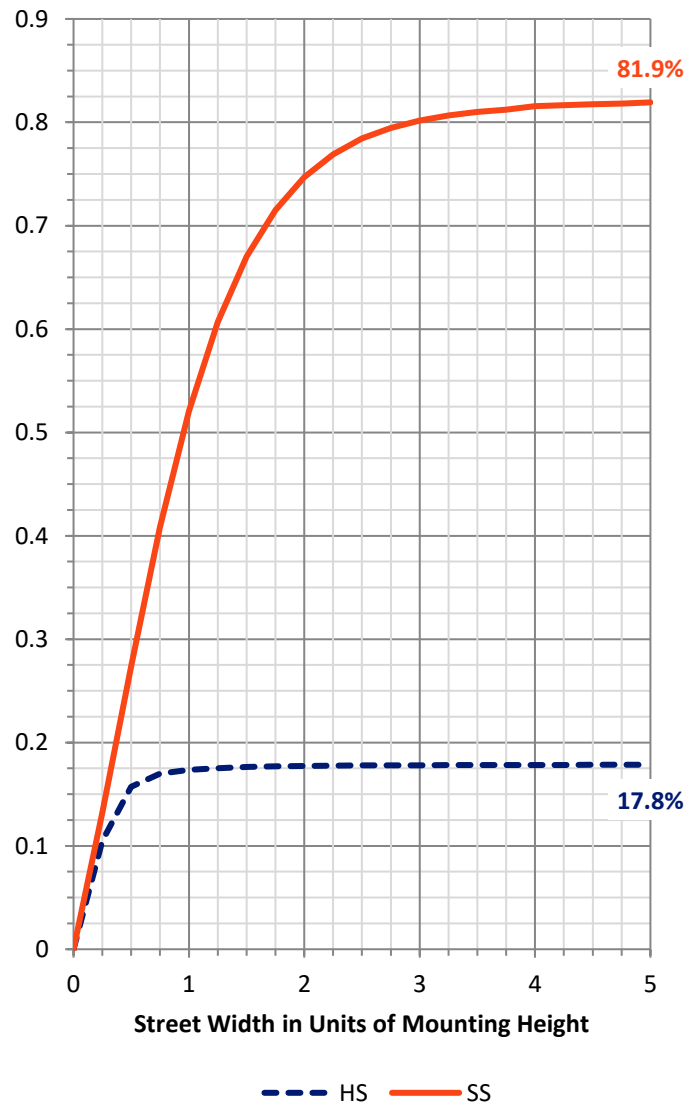
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4923.3	0.0	4923.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	22312.1	0.0	22312.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	27235.4	0.0	27235.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.0	1.5
10°-20°	1279.0	4.7
20°-30°	2186.1	8.0
30°-40°	3307.2	12.1
40°-50°	4659.0	17.1
50°-60°	5638.2	20.7
60°-70°	5907.7	21.7
70°-80°	3544.8	13.0
80°-90°	307.3	1.1
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°	27235.4	100.0
0°-180°	27235.4	100.0

Coefficient of Utilization



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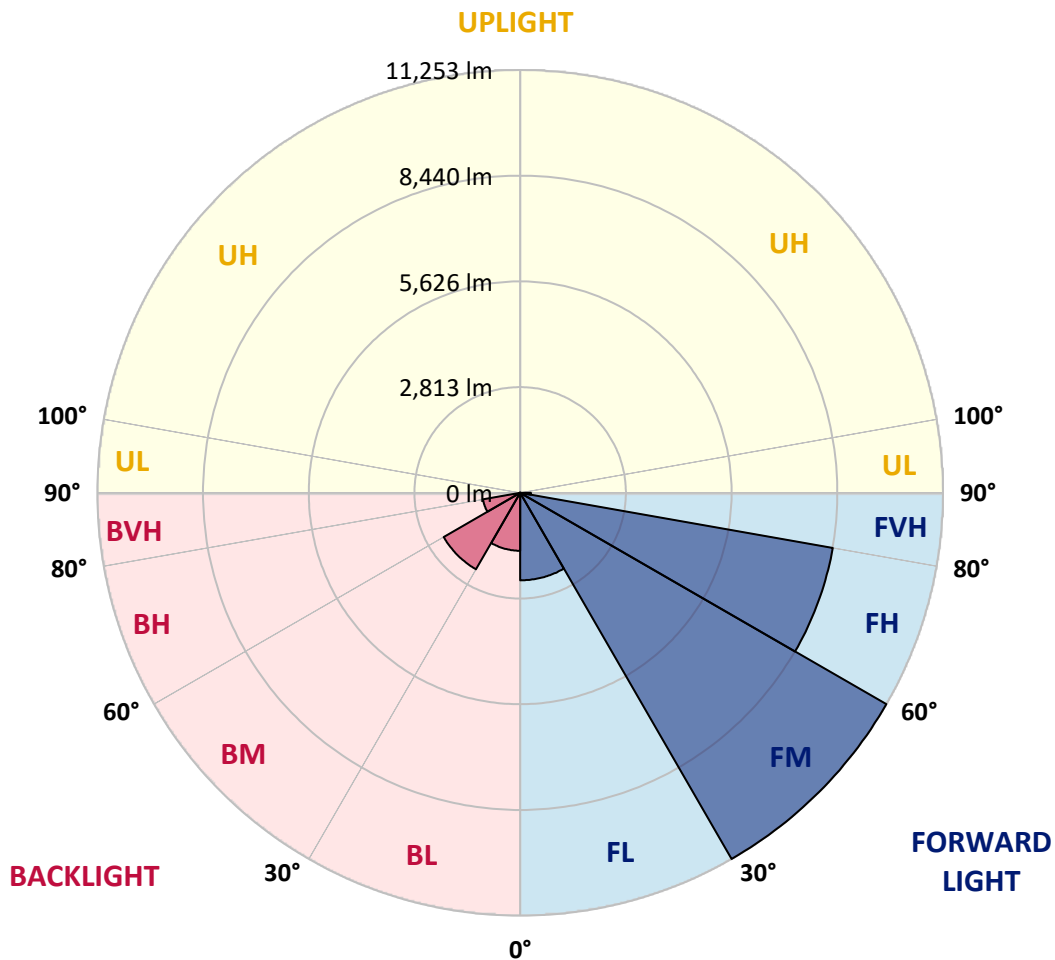
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2328.8	8.6			
FM	(30°-60°)	11252.8	41.3			
FH	(60°-80°)	8447.4	31.0			G4/12000
FVH	(80°-90°)	283.1	1.0			G3/500
BL	(0°-30°)	1542.3	5.7	B3/2500		
BM	(30°-60°)	2351.7	8.6	B2/2500		
BH	(60°-80°)	1005.1	3.7	B3/2500		G3/2500
BVH	(80°-90°)	24.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3
5°	4257.0	4257.0	4254.9	4252.8	4228.9	4204.9	4186.5	4168.1	4156.1	4144.1	4136.4
10°	4658.9	4665.6	4659.1	4652.7	4612.4	4572.1	4540.7	4509.2	4468.9	4428.6	4391.8
15°	5195.7	5200.3	5194.9	5189.5	5128.5	5067.5	5024.1	4980.7	4923.2	4865.7	4792.9
20°	5854.5	5865.2	5857.6	5849.9	5798.9	5747.8	5679.4	5610.9	5511.0	5411.2	5304.7
25°	6651.8	6647.7	6652.0	6656.3	6590.0	6523.6	6455.2	6386.7	6272.6	6158.4	5994.5
30°	7445.0	7445.0	7463.4	7481.8	7451.4	7421.0	7367.8	7314.7	7201.6	7088.5	6895.2
35°	8079.7	8097.1	8169.9	8242.7	8249.1	8255.5	8245.8	8236.1	8167.6	8099.2	7976.4
40°	8490.4	8537.9	8623.8	8709.6	8784.6	8859.7	8970.5	9081.3	9131.4	9181.4	9305.3
45°	8194.7	8234.0	8392.6	8551.2	8862.0	9172.7	9441.1	9709.5	10060.4	10411.3	10656.9
50°	7796.9	7858.1	8052.5	8246.8	8630.4	9013.9	9568.1	10122.2	10796.9	11471.6	11748.7
55°	7186.5	7266.7	7491.7	7716.7	8179.6	8642.6	9460.6	10278.5	11126.1	11973.6	12338.8
60°	6321.4	6406.1	6655.1	6904.1	7407.1	7910.2	8865.3	9820.3	11016.5	12212.7	12946.1
65°	5174.2	5250.3	5470.7	5691.1	6178.1	6665.0	7659.2	8653.3	10384.2	12115.1	13270.1
70°	3518.4	3579.2	3710.7	3842.2	4293.0	4743.7	5647.7	6551.7	8480.5	10409.2	12220.5
75°	1316.7	1462.7	1656.0	1849.4	2002.6	2155.8	2548.0	2940.3	4481.9	6023.6	8357.6
80°	136.9	138.9	159.6	180.3	308.5	436.7	520.4	604.2	817.2	1030.1	1862.4
85°	54.2	54.2	60.8	67.4	78.2	88.9	75.9	62.9	102.1	141.4	167.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3
5°	4128.8	4119.1	4109.3	4107.4	4100.7	4094.0	4087.4	4102.7	4128.8	4136.4	4144.1
10°	4355.0	4322.3	4289.7	4279.8	4270.2	4276.6	4283.0	4285.5	4339.7	4339.7	4339.7
15°	4720.1	4664.7	4609.3	4596.9	4598.2	4592.8	4587.4	4550.6	4526.6	4484.2	4441.8
20°	5198.2	5119.8	5041.5	5033.7	5024.1	4968.7	4913.3	4815.7	4702.8	4593.0	4483.2
25°	5830.5	5745.7	5660.9	5638.9	5602.2	5478.4	5354.5	5172.1	4956.7	4740.6	4524.5
30°	6701.8	6611.7	6521.5	6507.6	6452.1	6237.8	6023.6	5719.7	5356.6	4990.4	4624.2
35°	7853.5	7906.9	7960.2	8123.6	8305.5	8062.2	7818.8	7266.7	6510.8	5674.0	4837.2
40°	9429.1	9682.2	9935.3	10152.0	10237.6	9820.3	9403.1	8742.2	7858.1	6747.5	5637.0
45°	10902.6	11228.4	11554.3	11605.2	11454.2	10958.8	10463.4	9705.0	8705.4	7324.4	5943.4
50°	12025.7	12387.6	12749.4	12638.2	12412.8	11830.3	11247.9	10424.5	9303.0	7376.5	5450.0
55°	12703.9	13176.6	13649.3	13616.1	13390.4	12639.6	11888.9	10924.1	9457.2	6994.0	4530.7
60°	13679.5	14395.5	15111.6	14914.4	14444.5	13391.7	12338.8	11002.2	9176.9	6510.6	3844.3
65°	14425.1	15445.3	16465.5	16087.1	15398.6	13901.4	12404.1	10752.5	8688.1	5746.8	2805.5
70°	14031.8	15494.3	16956.8	16429.7	15446.5	13439.6	11432.7	9391.9	6873.4	4074.6	1275.8
75°	10691.7	12035.7	13379.7	13100.4	12428.1	10415.8	8403.5	6204.3	3757.4	2092.7	428.0
80°	2694.6	3861.6	5028.6	4948.5	4419.9	3278.1	2136.3	1030.1	630.2	418.3	206.4
85°	193.5	199.9	206.4	183.9	182.4	159.6	136.9	106.3	82.7	57.7	32.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3
5°	4166.8	4189.6	4204.9	4220.2	4252.8	4285.5	4305.0	4324.4	4326.7	4328.9	4339.7
10°	4346.1	4352.5	4342.8	4333.1	4334.1	4335.1	4317.8	4300.4	4284.3	4268.1	4259.3
15°	4390.8	4339.7	4287.6	4235.5	4190.8	4146.2	4085.4	4024.6	3986.5	3948.5	3912.7
20°	4358.1	4233.0	4126.5	4020.0	3900.5	3781.0	3649.7	3518.4	3416.3	3314.1	3217.3
25°	4318.0	4111.4	3921.4	3731.4	3498.8	3266.1	2993.4	2720.7	2539.3	2358.0	2244.9
30°	4308.1	3991.9	3612.7	3233.5	2852.2	2470.9	2137.4	1803.9	1593.0	1382.1	1238.6
35°	4270.0	3702.8	3090.2	2477.5	1973.2	1468.9	1118.0	767.1	622.6	478.1	434.6
40°	4365.7	3094.5	2217.6	1340.7	903.0	465.2	371.8	278.3	257.6	237.0	239.0
45°	4025.6	2107.8	1231.1	354.4	310.8	267.1	242.1	217.1	207.4	197.7	197.7
50°	3318.2	1186.4	732.4	278.3	252.3	226.2	210.9	195.6	182.6	169.6	170.6
55°	2597.9	665.0	456.3	247.7	219.4	191.1	179.3	167.5	159.8	152.2	147.8
60°	2162.2	480.1	349.9	219.6	190.2	160.9	148.9	136.9	124.9	112.9	105.2
65°	1576.6	347.8	268.4	189.0	167.3	145.6	120.5	95.5	87.9	80.2	75.9
70°	762.8	249.8	205.3	160.9	131.5	102.1	88.1	74.0	67.4	60.8	57.5
75°	299.8	171.6	137.9	104.2	92.2	80.2	69.5	58.7	53.3	48.0	43.6
80°	140.2	74.0	56.7	39.3	40.3	41.4	38.0	34.7	31.4	28.1	26.1
85°	26.1	19.4	17.4	15.3	15.3	15.3	13.0	10.8	8.7	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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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CATALOG NUMBER: VERD-M-A04-T3-4000K-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3
5°	4350.4	4379.8	4409.2	4411.2	4409.2	4379.8	4350.4	4339.7	4328.9	4326.7	4324.4
10°	4250.4	4273.3	4296.3	4307.0	4296.3	4273.3	4250.4	4259.3	4268.1	4284.3	4300.4
15°	3876.9	3884.4	3891.8	3879.0	3891.8	3884.4	3876.9	3912.7	3948.5	3986.5	4024.6
20°	3120.6	3095.6	3070.5	3037.9	3070.5	3095.6	3120.6	3217.3	3314.1	3416.3	3518.4
25°	2131.8	2072.0	2012.3	2001.5	2012.3	2072.0	2131.8	2244.9	2358.0	2539.3	2720.7
30°	1095.1	1056.0	1016.9	975.5	1016.9	1056.0	1095.1	1238.6	1382.1	1593.0	1803.9
35°	391.2	375.9	360.6	345.7	360.6	375.9	391.2	434.6	478.1	622.6	767.1
40°	241.1	242.3	243.6	243.6	243.6	242.3	241.1	239.0	237.0	257.6	278.3
45°	197.7	196.6	195.6	195.6	195.6	196.6	197.7	197.7	197.7	207.4	217.1
50°	171.6	179.3	186.9	186.9	186.9	179.3	171.6	170.6	169.6	182.6	195.6
55°	143.5	145.6	147.6	150.1	147.6	145.6	143.5	147.8	152.2	159.8	167.5
60°	97.6	95.5	93.5	93.5	93.5	95.5	97.6	105.2	112.9	124.9	136.9
65°	71.5	69.5	67.4	67.4	67.4	69.5	71.5	75.9	80.2	87.9	95.5
70°	54.2	51.1	48.0	48.0	48.0	51.1	54.2	57.5	60.8	67.4	74.0
75°	39.3	36.0	32.7	30.6	32.7	36.0	39.3	43.6	48.0	53.3	58.7
80°	24.0	21.7	19.4	19.4	19.4	21.7	24.0	26.1	28.1	31.4	34.7
85°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	8.7	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P#####

CATALOG NUMBER: VERD-M-A04-T3-4000K-HSS

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3
5°	4305.0	4285.5	4252.8	4220.2	4204.9	4189.6	4166.8	4144.1	4136.4	4128.8	4102.7
10°	4317.8	4335.1	4334.1	4333.1	4342.8	4352.5	4346.1	4339.7	4339.7	4339.7	4285.5
15°	4085.4	4146.2	4190.8	4235.5	4287.6	4339.7	4390.8	4441.8	4484.2	4526.6	4550.6
20°	3649.7	3781.0	3900.5	4020.0	4126.5	4233.0	4358.1	4483.2	4593.0	4702.8	4815.7
25°	2993.4	3266.1	3498.8	3731.4	3921.4	4111.4	4318.0	4524.5	4740.6	4956.7	5172.1
30°	2137.4	2470.9	2852.2	3233.5	3612.7	3991.9	4308.1	4624.2	4990.4	5356.6	5719.7
35°	1118.0	1468.9	1973.2	2477.5	3090.2	3702.8	4270.0	4837.2	5674.0	6510.8	7266.7
40°	371.8	465.2	903.0	1340.7	2217.6	3094.5	4365.7	5637.0	6747.5	7858.1	8742.2
45°	242.1	267.1	310.8	354.4	1231.1	2107.8	4025.6	5943.4	7324.4	8705.4	9705.0
50°	210.9	226.2	252.3	278.3	732.4	1186.4	3318.2	5450.0	7376.5	9303.0	10424.5
55°	179.3	191.1	219.4	247.7	456.3	665.0	2597.9	4530.7	6994.0	9457.2	10924.1
60°	148.9	160.9	190.2	219.6	349.9	480.1	2162.2	3844.3	6510.6	9176.9	11002.2
65°	120.5	145.6	167.3	189.0	268.4	347.8	1576.6	2805.5	5746.8	8688.1	10752.5
70°	88.1	102.1	131.5	160.9	205.3	249.8	762.8	1275.8	4074.6	6873.4	9391.9
75°	69.5	80.2	92.2	104.2	137.9	171.6	299.8	428.0	2092.7	3757.4	6204.3
80°	38.0	41.4	40.3	39.3	56.7	74.0	140.2	206.4	418.3	630.2	1030.1
85°	13.0	15.3	15.3	15.3	17.4	19.4	26.1	32.7	57.7	82.7	106.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P#####
 CATALOG NUMBER: VERD-M-A04-T3-4000K-HSS

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	0°
5°	4087.4	4094.0	4100.7	4107.4	4109.3	4119.1	4128.8	4136.4	4144.1	4156.1	4168.1	5°
10°	4283.0	4276.6	4270.2	4279.8	4289.7	4322.3	4355.0	4391.8	4428.6	4468.9	4509.2	10°
15°	4587.4	4592.8	4598.2	4596.9	4609.3	4664.7	4720.1	4792.9	4865.7	4923.2	4980.7	15°
20°	4913.3	4968.7	5024.1	5033.7	5041.5	5119.8	5198.2	5304.7	5411.2	5511.0	5610.9	20°
25°	5354.5	5478.4	5602.2	5638.9	5660.9	5745.7	5830.5	5994.5	6158.4	6272.6	6386.7	25°
30°	6023.6	6237.8	6452.1	6507.6	6521.5	6611.7	6701.8	6895.2	7088.5	7201.6	7314.7	30°
35°	7818.8	8062.2	8305.5	8123.6	7960.2	7906.9	7853.5	7976.4	8099.2	8167.6	8236.1	35°
40°	9403.1	9820.3	10237.6	10152.0	9935.3	9682.2	9429.1	9305.3	9181.4	9131.4	9081.3	40°
45°	10463.4	10958.8	11454.2	11605.2	11554.3	11228.4	10902.6	10656.9	10411.3	10060.4	9709.5	45°
50°	11247.9	11830.3	12412.8	12638.2	12749.4	12387.6	12025.7	11748.7	11471.6	10796.9	10122.2	50°
55°	11888.9	12639.6	13390.4	13616.1	13649.3	13176.6	12703.9	12338.8	11973.6	11126.1	10278.5	55°
60°	12338.8	13391.7	14444.5	14914.4	15111.6	14395.5	13679.5	12946.1	12212.7	11016.5	9820.3	60°
65°	12404.1	13901.4	15398.6	16087.1	16465.5	15445.3	14425.1	13270.1	12115.1	10384.2	8653.3	65°
70°	11432.7	13439.6	15446.5	16429.7	16956.8	15494.3	14031.8	12220.5	10409.2	8480.5	6551.7	70°
75°	8403.5	10415.8	12428.1	13100.4	13379.7	12035.7	10691.7	8357.6	6023.6	4481.9	2940.3	75°
80°	2136.3	3278.1	4419.9	4948.5	5028.6	3861.6	2694.6	1862.4	1030.1	817.2	604.2	80°
85°	136.9	159.6	182.4	183.9	206.4	199.9	193.5	167.5	141.4	102.1	62.9	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95°
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100°
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	135°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180°



NUMBER: P#####

NUMBER: VERD-M-A04-T3-4000K-HSS

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
4033.3	4033.3	4033.3	4033.3	4033.3	4033.3	4033.3
4186.5	4204.9	4228.9	4252.8	4254.9	4257.0	4257.0
4540.7	4572.1	4612.4	4652.7	4659.1	4665.6	4658.9
5024.1	5067.5	5128.5	5189.5	5194.9	5200.3	5195.7
5679.4	5747.8	5798.9	5849.9	5857.6	5865.2	5854.5
6455.2	6523.6	6590.0	6656.3	6652.0	6647.7	6651.8
7367.8	7421.0	7451.4	7481.8	7463.4	7445.0	7445.0
8245.8	8255.5	8249.1	8242.7	8169.9	8097.1	8079.7
8970.5	8859.7	8784.6	8709.6	8623.8	8537.9	8490.4
9441.1	9172.7	8862.0	8551.2	8392.6	8234.0	8194.7
9568.1	9013.9	8630.4	8246.8	8052.5	7858.1	7796.9
9460.6	8642.6	8179.6	7716.7	7491.7	7266.7	7186.5
8865.3	7910.2	7407.1	6904.1	6655.1	6406.1	6321.4
7659.2	6665.0	6178.1	5691.1	5470.7	5250.3	5174.2
5647.7	4743.7	4293.0	3842.2	3710.7	3579.2	3518.4
2548.0	2155.8	2002.6	1849.4	1656.0	1462.7	1316.7
520.4	436.7	308.5	180.3	159.6	138.9	136.9
75.9	88.9	78.2	67.4	60.8	54.2	54.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)