

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-A03-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-A03-T3-4000K-HSS
Description:
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20503.3 lumens
Efficiency: N/A
Efficacy: 112.7 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 - G3

Input Watts (W): 182
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

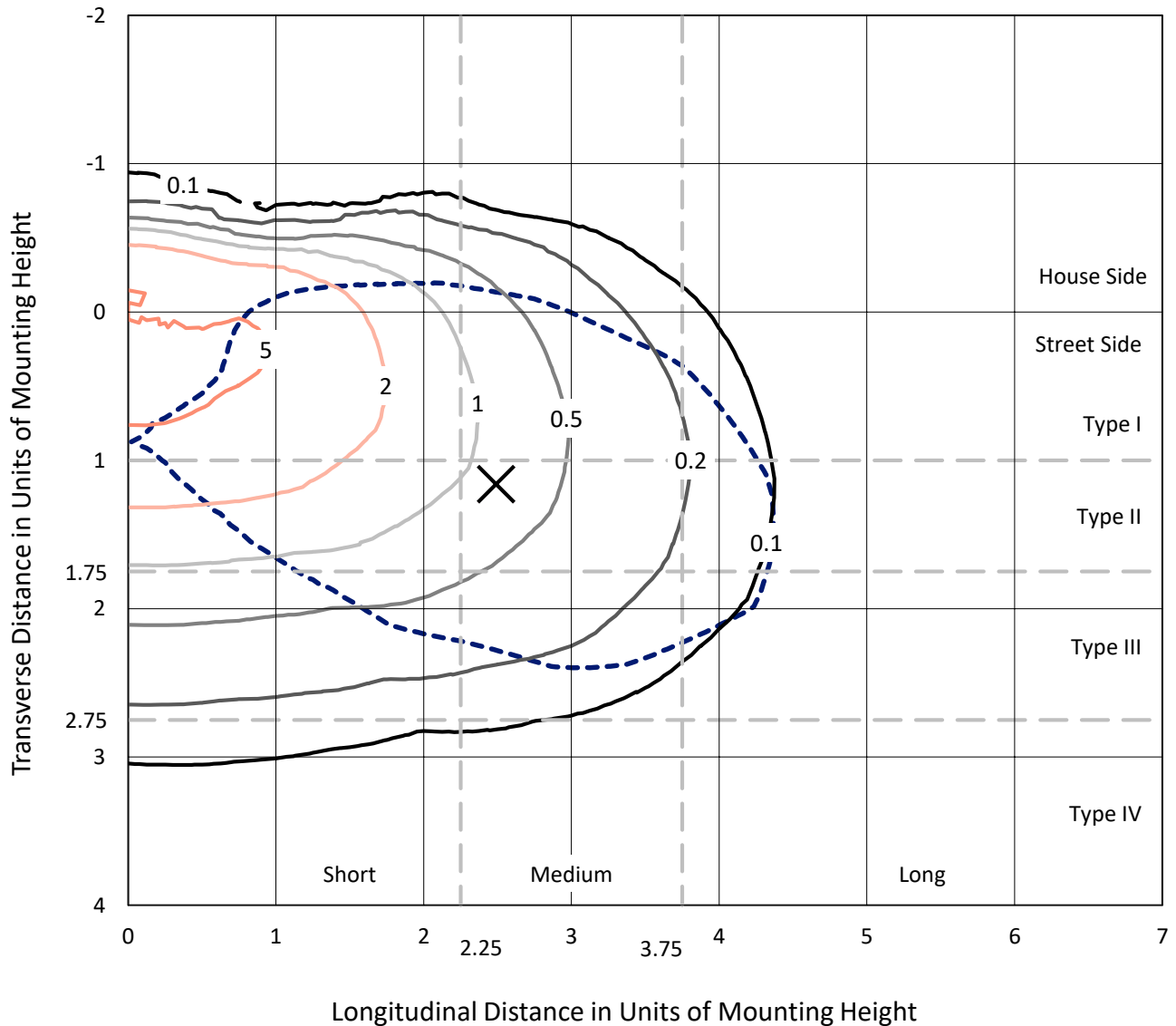


REPORT NUMBER: P#####

CATALOG NUMBER: VERD-M-A03-T3-4000K-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

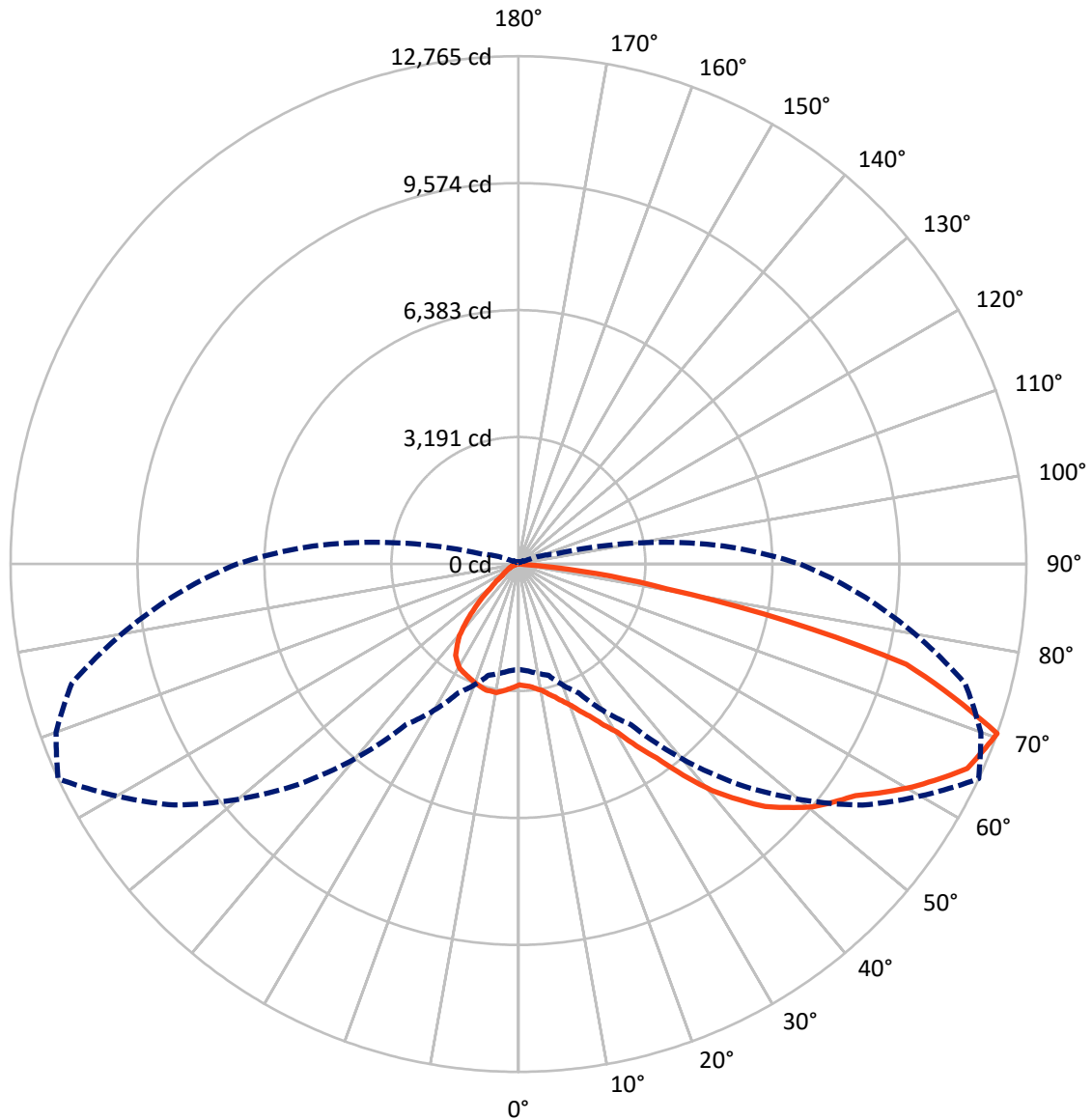


Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P#####

CATALOG NUMBER: VERD-M-A03-T3-4000K-HSS

Luminous Intensity Polar Plot



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



REPORT NUMBER: P#####

CATALOG NUMBER: VERD-M-A03-T3-4000K-HSS

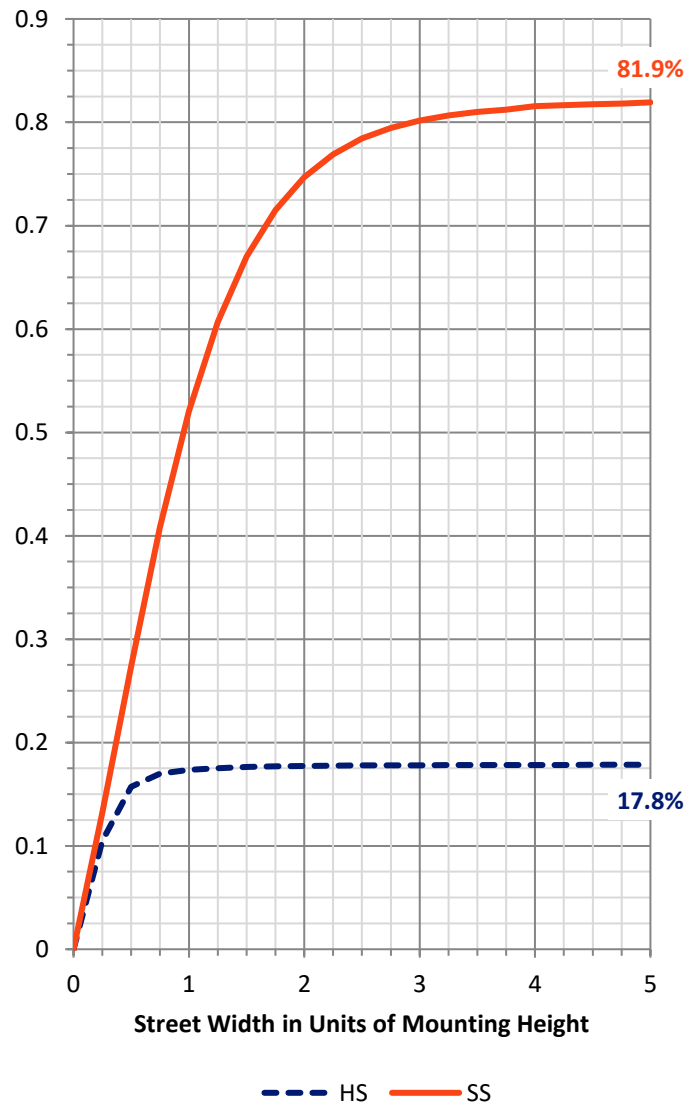
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3706.3	0.0	3706.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16797.0	0.0	16797.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	20503.3	0.0	20503.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.6	1.5
10°-20°	962.9	4.7
20°-30°	1645.7	8.0
30°-40°	2489.7	12.1
40°-50°	3507.4	17.1
50°-60°	4244.6	20.7
60°-70°	4447.4	21.7
70°-80°	2668.6	13.0
80°-90°	231.4	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°	20503.3	100.0
0°-180°	20503.3	100.0

Coefficient of Utilization



REPORT NUMBER: P#####

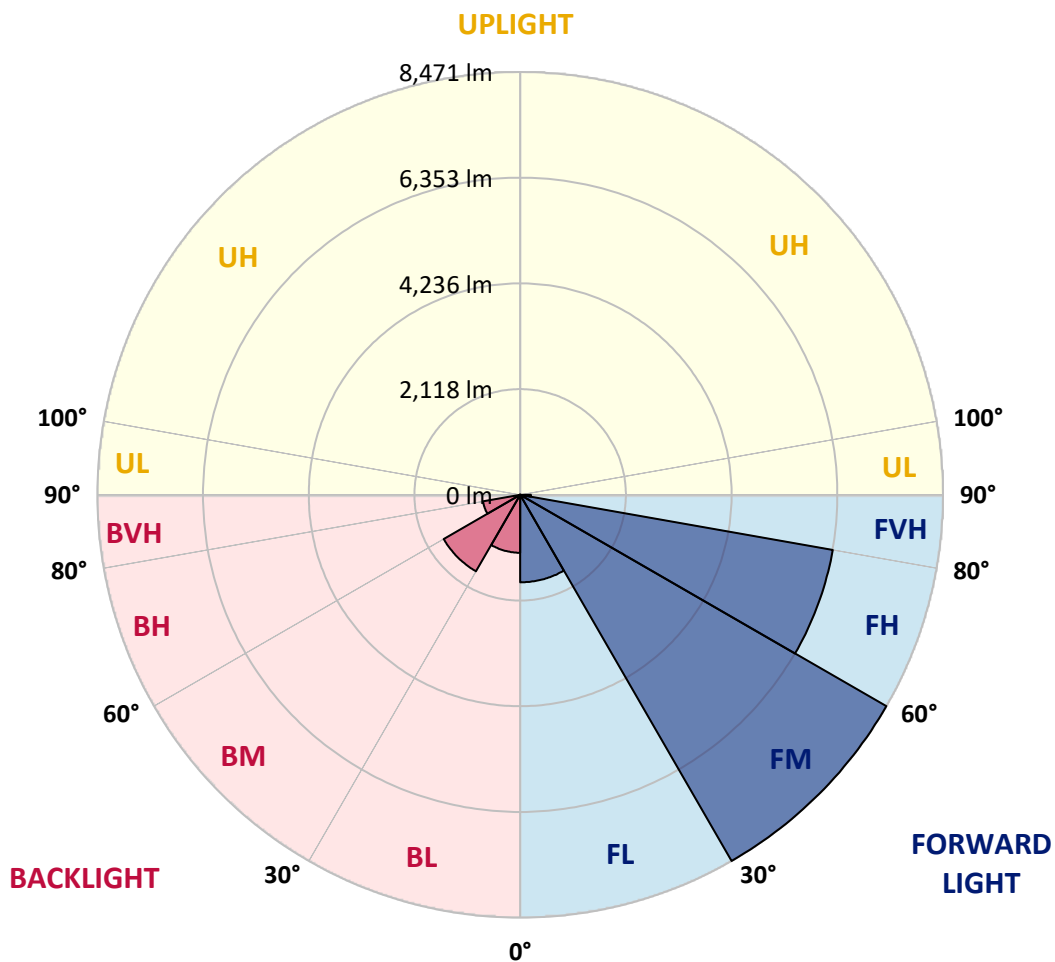
CATALOG NUMBER: VERD-M-A03-T3-4000K-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1753.2	8.6			
FM (30°-60°)	8471.3	41.3			
FH (60°-80°)	6359.4	31.0			G3/7500
FVH (80°-90°)	213.1	1.0			G2/225
BL (0°-30°)	1161.1	5.7	B3/2500		
BM (30°-60°)	1770.4	8.6	B2/2500		
BH (60°-80°)	756.7	3.7	B2/1000		G2/1000
BVH (80°-90°)	18.2	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-G3

Type III Medium





REPORT NUMBER: P#####

CATALOG NUMBER: VERD-M-A03-T3-4000K-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3
5°	3204.7	3204.7	3203.2	3201.6	3183.6	3165.5	3151.6	3137.8	3128.8	3119.7	3114.0
10°	3507.3	3512.3	3507.5	3502.7	3472.3	3442.0	3418.3	3394.6	3364.3	3333.9	3306.2
15°	3911.4	3914.8	3910.8	3906.8	3860.8	3814.9	3782.2	3749.5	3706.3	3663.0	3608.2
20°	4407.4	4415.5	4409.7	4403.9	4365.5	4327.0	4275.5	4224.0	4148.8	4073.6	3993.5
25°	5007.6	5004.5	5007.7	5011.0	4961.0	4911.1	4859.5	4808.0	4722.1	4636.2	4512.7
30°	5604.7	5604.7	5618.5	5632.4	5609.5	5586.6	5546.6	5506.6	5421.5	5336.3	5190.8
35°	6082.6	6095.6	6150.4	6205.2	6210.1	6214.9	6207.6	6200.2	6148.7	6097.2	6004.7
40°	6391.7	6427.5	6492.1	6556.7	6613.2	6669.7	6753.2	6836.6	6874.3	6911.9	7005.2
45°	6169.1	6198.7	6318.1	6437.5	6671.4	6905.4	7107.4	7309.5	7573.6	7837.8	8022.7
50°	5869.6	5915.7	6062.0	6208.3	6497.1	6785.8	7203.0	7620.2	8128.1	8636.0	8844.6
55°	5410.1	5470.5	5639.9	5809.2	6157.8	6506.3	7122.1	7737.9	8375.9	9014.0	9288.9
60°	4758.8	4822.7	5010.1	5197.5	5576.2	5954.9	6673.9	7392.9	8293.4	9193.9	9746.0
65°	3895.2	3952.5	4118.5	4284.4	4651.0	5017.5	5766.0	6514.4	7817.4	9120.4	9989.9
70°	2648.7	2694.5	2793.5	2892.5	3231.8	3571.2	4251.7	4932.2	6384.2	7836.2	9199.8
75°	991.2	1101.1	1246.7	1392.2	1507.6	1622.9	1918.2	2213.5	3374.1	4534.7	6291.8
80°	103.0	104.6	120.2	135.7	232.2	328.8	391.8	454.8	615.2	775.5	1402.0
85°	40.8	40.8	45.8	50.7	58.8	66.9	57.1	47.3	76.9	106.5	126.1
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-A03-T3-4000K-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3
5°	3108.2	3100.9	3093.6	3092.1	3087.0	3082.1	3077.1	3088.6	3108.2	3114.0	3119.7
10°	3278.5	3253.9	3229.3	3221.9	3214.7	3219.5	3224.3	3226.2	3267.0	3267.0	3267.0
15°	3553.4	3511.7	3470.0	3460.6	3461.6	3457.5	3453.5	3425.8	3407.7	3375.8	3343.9
20°	3913.3	3854.3	3795.3	3789.4	3782.2	3740.5	3698.8	3625.3	3540.3	3457.7	3375.0
25°	4389.3	4325.5	4261.7	4245.1	4217.5	4124.2	4031.0	3893.7	3731.5	3568.8	3406.2
30°	5045.3	4977.4	4909.5	4899.0	4857.2	4696.0	4534.7	4305.9	4032.5	3756.9	3481.2
35°	5912.3	5952.4	5992.6	6115.6	6252.6	6069.3	5886.1	5470.5	4901.4	4271.5	3641.5
40°	7098.4	7288.9	7479.5	7642.6	7707.0	7392.9	7078.8	6581.3	5915.7	5079.7	4243.6
45°	8207.6	8453.0	8698.3	8736.6	8622.9	8250.0	7877.0	7306.1	6553.6	5513.9	4474.3
50°	9053.2	9325.6	9598.0	9514.3	9344.6	8906.1	8467.6	7847.8	7003.5	5553.2	4102.9
55°	9563.8	9919.6	10275.4	10250.4	10080.5	9515.3	8950.1	8223.8	7119.6	5265.2	3410.8
60°	10298.2	10837.2	11376.3	11227.8	10874.1	10081.5	9288.9	8282.7	6908.5	4901.3	2894.0
65°	10859.5	11627.5	12395.5	12110.7	11592.3	10465.2	9338.0	8094.6	6540.5	4326.3	2112.0
70°	10563.4	11664.4	12765.4	12368.6	11628.4	10117.6	8606.8	7070.4	5174.4	3067.4	960.4
75°	8048.9	9060.7	10072.4	9862.2	9356.1	7841.2	6326.3	4670.7	2828.7	1575.4	322.2
80°	2028.6	2907.1	3785.7	3725.3	3327.4	2467.8	1608.3	775.5	474.5	314.9	155.3
85°	145.7	150.5	155.3	138.5	137.3	120.2	103.0	80.0	62.3	43.4	24.6
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



REPORT NUMBER: P#####

CATALOG NUMBER: VERD-M-A03-T3-4000K-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3
5°	3136.9	3154.0	3165.5	3177.0	3201.6	3226.2	3240.8	3255.5	3257.2	3258.9	3267.0
10°	3271.8	3276.6	3269.3	3262.0	3262.8	3263.6	3250.5	3237.4	3225.3	3213.1	3206.4
15°	3305.4	3267.0	3227.8	3188.5	3154.9	3121.3	3075.5	3029.8	3001.1	2972.5	2945.6
20°	3280.8	3186.7	3106.5	3026.3	2936.4	2846.4	2747.6	2648.7	2571.8	2494.9	2422.1
25°	3250.6	3095.1	2952.1	2809.0	2633.9	2458.8	2253.5	2048.2	1911.7	1775.1	1690.0
30°	3243.2	3005.2	2719.7	2434.2	2147.2	1860.1	1609.1	1358.0	1199.2	1040.4	932.4
35°	3214.5	2787.6	2326.3	1865.1	1485.5	1105.8	841.7	577.5	468.7	359.9	327.2
40°	3286.6	2329.6	1669.5	1009.3	679.8	350.2	279.9	209.5	194.0	178.4	179.9
45°	3030.5	1586.8	926.8	266.8	234.0	201.1	182.3	163.4	156.1	148.8	148.8
50°	2498.0	893.2	551.3	209.5	189.9	170.3	158.8	147.3	137.4	127.6	128.4
55°	1955.7	500.6	343.5	186.5	165.2	143.8	135.0	126.1	120.3	114.6	111.3
60°	1627.7	361.4	263.4	165.3	143.2	121.1	112.1	103.0	94.0	85.0	79.2
65°	1186.9	261.8	202.0	142.3	125.9	109.6	90.7	71.9	66.2	60.4	57.1
70°	574.2	188.0	154.6	121.1	99.0	76.9	66.3	55.7	50.7	45.8	43.3
75°	225.7	129.2	103.8	78.5	69.4	60.4	52.3	44.2	40.2	36.1	32.8
80°	105.5	55.7	42.7	29.6	30.4	31.1	28.6	26.2	23.7	21.2	19.6
85°	19.6	14.6	13.1	11.5	11.5	11.5	9.8	8.1	6.5	5.0	5.0
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-A03-T3-4000K-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3
5°	3275.1	3297.2	3319.3	3320.9	3319.3	3297.2	3275.1	3267.0	3258.9	3257.2	3255.5
10°	3199.7	3217.0	3234.3	3242.4	3234.3	3217.0	3199.7	3206.4	3213.1	3225.3	3237.4
15°	2918.6	2924.2	2929.8	2920.2	2929.8	2924.2	2918.6	2945.6	2972.5	3001.1	3029.8
20°	2349.2	2330.4	2311.6	2287.0	2311.6	2330.4	2349.2	2422.1	2494.9	2571.8	2648.7
25°	1604.9	1559.9	1514.9	1506.8	1514.9	1559.9	1604.9	1690.0	1775.1	1911.7	2048.2
30°	824.4	795.0	765.5	734.4	765.5	795.0	824.4	932.4	1040.4	1199.2	1358.0
35°	294.5	283.0	271.5	260.3	271.5	283.0	294.5	327.2	359.9	468.7	577.5
40°	181.5	182.4	183.4	183.4	183.4	182.4	181.5	179.9	178.4	194.0	209.5
45°	148.8	148.0	147.3	147.3	147.3	148.0	148.8	148.8	148.8	156.1	163.4
50°	129.2	135.0	140.7	140.7	140.7	135.0	129.2	128.4	127.6	137.4	147.3
55°	108.0	109.6	111.1	113.0	111.1	109.6	108.0	111.3	114.6	120.3	126.1
60°	73.5	71.9	70.4	70.4	70.4	71.9	73.5	79.2	85.0	94.0	103.0
65°	53.9	52.3	50.7	50.7	50.7	52.3	53.9	57.1	60.4	66.2	71.9
70°	40.8	38.4	36.1	36.1	36.1	38.4	40.8	43.3	45.8	50.7	55.7
75°	29.6	27.1	24.6	23.0	24.6	27.1	29.6	32.8	36.1	40.2	44.2
80°	18.1	16.3	14.6	14.6	14.6	16.3	18.1	19.6	21.2	23.7	26.2
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.5	8.1
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-A03-T3-4000K-HSS

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3
5°	3240.8	3226.2	3201.6	3177.0	3165.5	3154.0	3136.9	3119.7	3114.0	3108.2	3088.6
10°	3250.5	3263.6	3262.8	3262.0	3269.3	3276.6	3271.8	3267.0	3267.0	3267.0	3226.2
15°	3075.5	3121.3	3154.9	3188.5	3227.8	3267.0	3305.4	3343.9	3375.8	3407.7	3425.8
20°	2747.6	2846.4	2936.4	3026.3	3106.5	3186.7	3280.8	3375.0	3457.7	3540.3	3625.3
25°	2253.5	2458.8	2633.9	2809.0	2952.1	3095.1	3250.6	3406.2	3568.8	3731.5	3893.7
30°	1609.1	1860.1	2147.2	2434.2	2719.7	3005.2	3243.2	3481.2	3756.9	4032.5	4305.9
35°	841.7	1105.8	1485.5	1865.1	2326.3	2787.6	3214.5	3641.5	4271.5	4901.4	5470.5
40°	279.9	350.2	679.8	1009.3	1669.5	2329.6	3286.6	4243.6	5079.7	5915.7	6581.3
45°	182.3	201.1	234.0	266.8	926.8	1586.8	3030.5	4474.3	5513.9	6553.6	7306.1
50°	158.8	170.3	189.9	209.5	551.3	893.2	2498.0	4102.9	5553.2	7003.5	7847.8
55°	135.0	143.8	165.2	186.5	343.5	500.6	1955.7	3410.8	5265.2	7119.6	8223.8
60°	112.1	121.1	143.2	165.3	263.4	361.4	1627.7	2894.0	4901.3	6908.5	8282.7
65°	90.7	109.6	125.9	142.3	202.0	261.8	1186.9	2112.0	4326.3	6540.5	8094.6
70°	66.3	76.9	99.0	121.1	154.6	188.0	574.2	960.4	3067.4	5174.4	7070.4
75°	52.3	60.4	69.4	78.5	103.8	129.2	225.7	322.2	1575.4	2828.7	4670.7
80°	28.6	31.1	30.4	29.6	42.7	55.7	105.5	155.3	314.9	474.5	775.5
85°	9.8	11.5	11.5	11.5	13.1	14.6	19.6	24.6	43.4	62.3	80.0
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-A03-T3-4000K-HSS

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	0°
5°	3077.1	3082.1	3087.0	3092.1	3093.6	3100.9	3108.2	3114.0	3119.7	3128.8	3137.8	5°
10°	3224.3	3219.5	3214.7	3221.9	3229.3	3253.9	3278.5	3306.2	3333.9	3364.3	3394.6	10°
15°	3453.5	3457.5	3461.6	3460.6	3470.0	3511.7	3553.4	3608.2	3663.0	3706.3	3749.5	15°
20°	3698.8	3740.5	3782.2	3789.4	3795.3	3854.3	3913.3	3993.5	4073.6	4148.8	4224.0	20°
25°	4031.0	4124.2	4217.5	4245.1	4261.7	4325.5	4389.3	4512.7	4636.2	4722.1	4808.0	25°
30°	4534.7	4696.0	4857.2	4899.0	4909.5	4977.4	5045.3	5190.8	5336.3	5421.5	5506.6	30°
35°	5886.1	6069.3	6252.6	6115.6	5992.6	5952.4	5912.3	6004.7	6097.2	6148.7	6200.2	35°
40°	7078.8	7392.9	7707.0	7642.6	7479.5	7288.9	7098.4	7005.2	6911.9	6874.3	6836.6	40°
45°	7877.0	8250.0	8622.9	8736.6	8698.3	8453.0	8207.6	8022.7	7837.8	7573.6	7309.5	45°
50°	8467.6	8906.1	9344.6	9514.3	9598.0	9325.6	9053.2	8844.6	8636.0	8128.1	7620.2	50°
55°	8950.1	9515.3	10080.5	10250.4	10275.4	9919.6	9563.8	9288.9	9014.0	8375.9	7737.9	55°
60°	9288.9	10081.5	10874.1	11227.8	11376.3	10837.2	10298.2	9746.0	9193.9	8293.4	7392.9	60°
65°	9338.0	10465.2	11592.3	12110.7	12395.5	11627.5	10859.5	9989.9	9120.4	7817.4	6514.4	65°
70°	8606.8	10117.6	11628.4	12368.6	12765.4	11664.4	10563.4	9199.8	7836.2	6384.2	4932.2	70°
75°	6326.3	7841.2	9356.1	9862.2	10072.4	9060.7	8048.9	6291.8	4534.7	3374.1	2213.5	75°
80°	1608.3	2467.8	3327.4	3725.3	3785.7	2907.1	2028.6	1402.0	775.5	615.2	454.8	80°
85°	103.0	120.2	137.3	138.5	155.3	150.5	145.7	126.1	106.5	76.9	47.3	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-A03-T3-4000K-HSS

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
3036.3	3036.3	3036.3	3036.3	3036.3	3036.3	3036.3
3151.6	3165.5	3183.6	3201.6	3203.2	3204.7	3204.7
3418.3	3442.0	3472.3	3502.7	3507.5	3512.3	3507.3
3782.2	3814.9	3860.8	3906.8	3910.8	3914.8	3911.4
4275.5	4327.0	4365.5	4403.9	4409.7	4415.5	4407.4
4859.5	4911.1	4961.0	5011.0	5007.7	5004.5	5007.6
5546.6	5586.6	5609.5	5632.4	5618.5	5604.7	5604.7
6207.6	6214.9	6210.1	6205.2	6150.4	6095.6	6082.6
6753.2	6669.7	6613.2	6556.7	6492.1	6427.5	6391.7
7107.4	6905.4	6671.4	6437.5	6318.1	6198.7	6169.1
7203.0	6785.8	6497.1	6208.3	6062.0	5915.7	5869.6
7122.1	6506.3	6157.8	5809.2	5639.9	5470.5	5410.1
6673.9	5954.9	5576.2	5197.5	5010.1	4822.7	4758.8
5766.0	5017.5	4651.0	4284.4	4118.5	3952.5	3895.2
4251.7	3571.2	3231.8	2892.5	2793.5	2694.5	2648.7
1918.2	1622.9	1507.6	1392.2	1246.7	1101.1	991.2
391.8	328.8	232.2	135.7	120.2	104.6	103.0
57.1	66.9	58.8	50.7	45.8	40.8	40.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	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)