

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: P189827

Luminaire Tested: **VERD-M-A0385-E-U-T3-7030-AP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26224)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-M-A0385-E-U-T3-7030-AP
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K LEDS AT 85% STANDARD LUMENS AND TYPE III OPTICS, GREY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18631 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 152
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

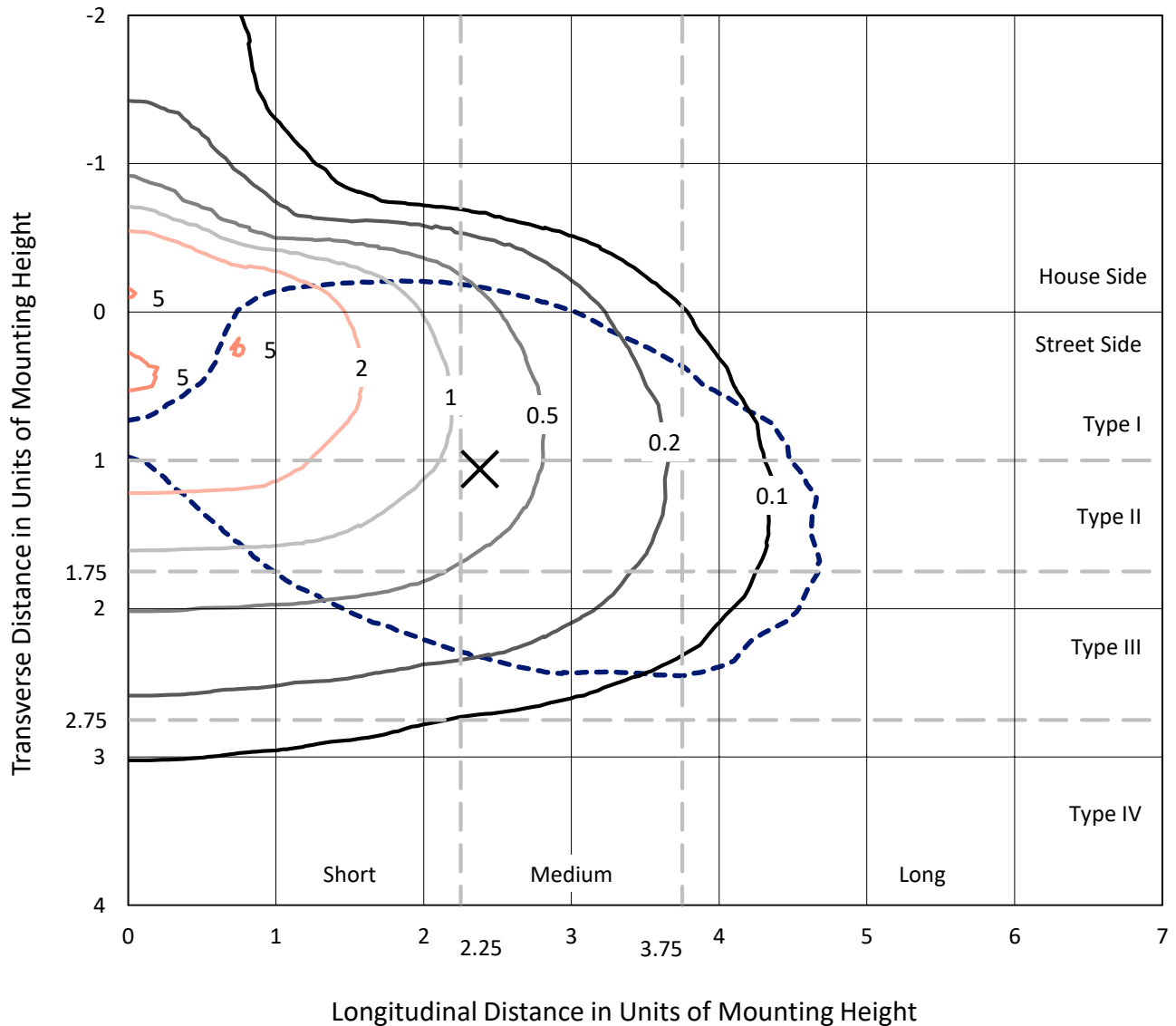


REPORT NUMBER: P189827

CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

Iso-Footcandle Lines of Horizontal Illumination

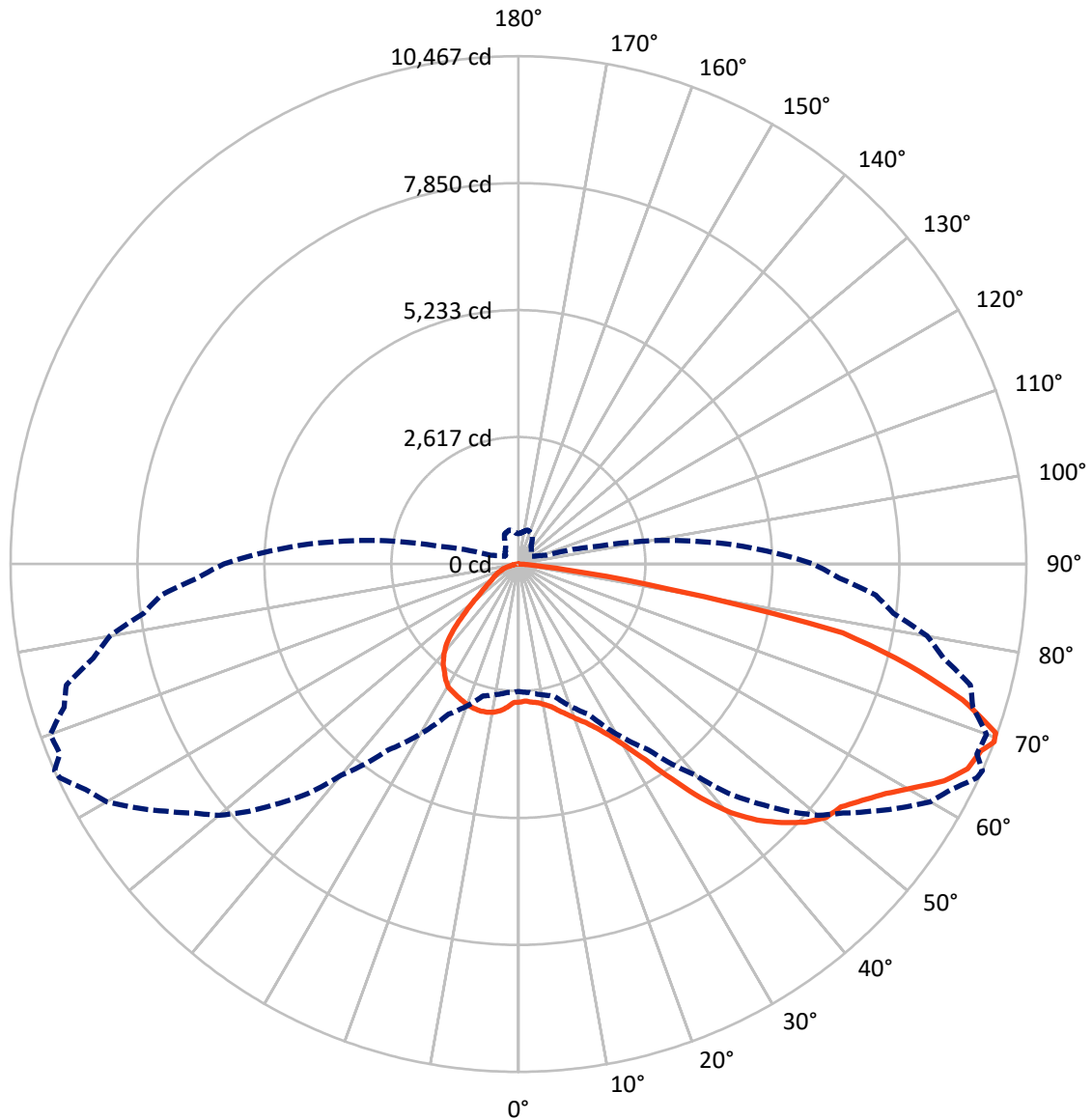
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P189827
CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P189827

CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

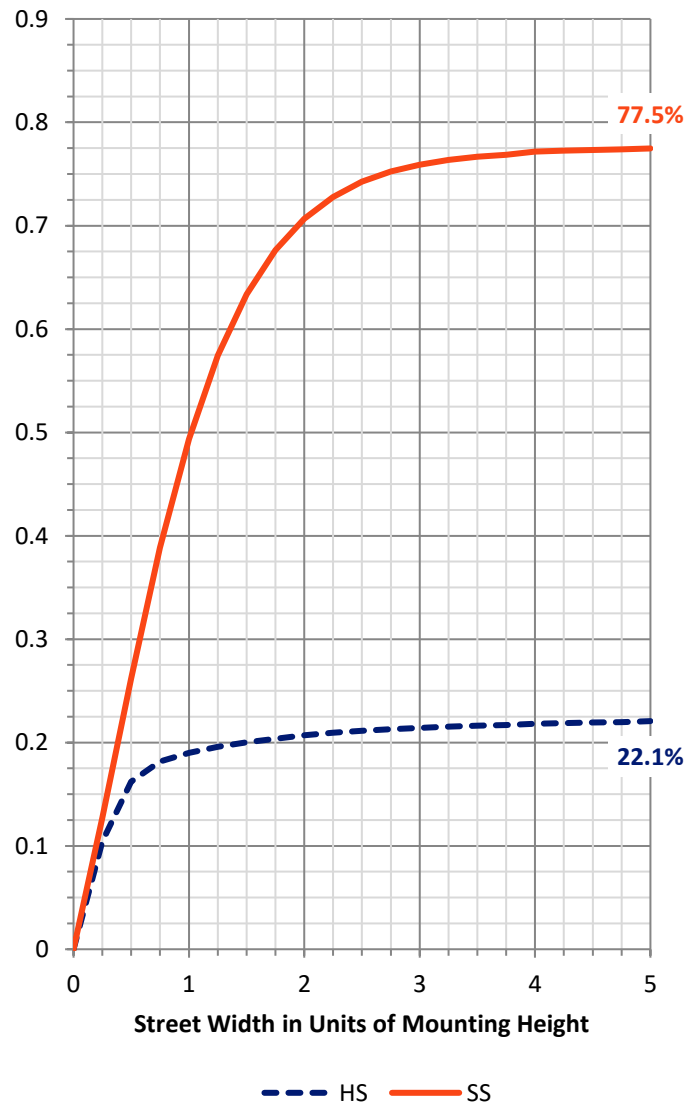
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4186.6	0.0	4186.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	14444.4	0.0	14444.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	18631.0	0.0	18631.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.6	1.5
10°-20°	911.0	4.9
20°-30°	1560.2	8.4
30°-40°	2339.6	12.6
40°-50°	3183.3	17.1
50°-60°	3745.4	20.1
60°-70°	3933.1	21.1
70°-80°	2436.9	13.1
80°-90°	234.7	1.3
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°	18631.0	100.0
0°-180°	18631.0	100.0



REPORT NUMBER: P189827

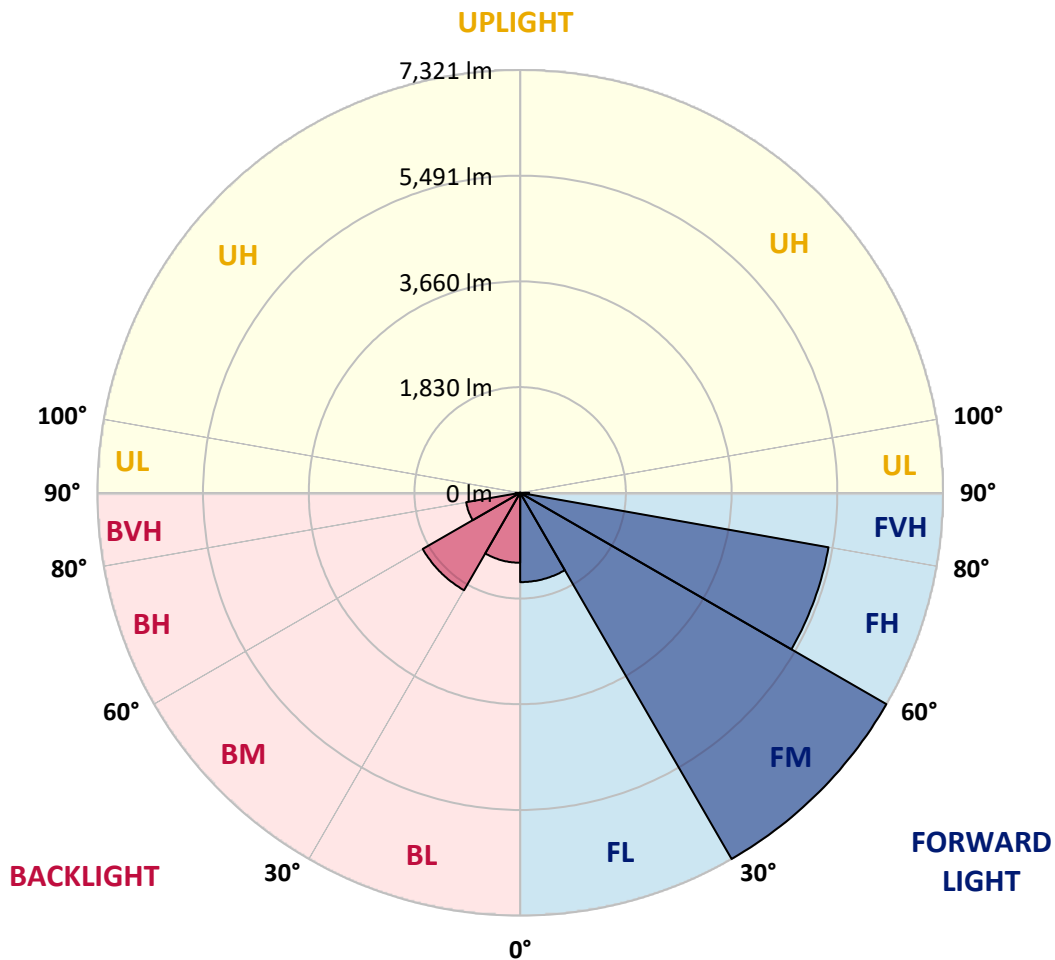
CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1546.7	8.3			
FM (30°-60°)	7320.9	39.3			
FH (60°-80°)	5420.7	29.1			G3/7500
FVH (80°-90°)	156.0	0.8			G2/225
BL (0°-30°)	1211.2	6.5	B3/2500		
BM (30°-60°)	1947.5	10.5	B2/2500		
BH (60°-80°)	949.2	5.1	B2/1000		G2/1000
BVH (80°-90°)	78.7	0.4			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: P189827

CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8
2.5°	2892.4	2892.4	2861.8	2856.9	2851.9	2837.2	2827.4	2827.4	2817.6	2827.4	2832.3
5°	2951.3	2936.6	2904.7	2902.3	2887.5	2887.5	2887.5	2871.6	2861.8	2856.9	2856.9
7.5°	3036.0	3018.8	2994.3	2972.2	2953.8	2941.5	2912.1	2936.6	2919.4	2917.0	2919.4
10°	3171.0	3158.7	3113.3	3108.4	3066.7	3052.0	3026.2	3026.2	3016.4	3011.5	2996.8
12.5°	3296.2	3291.3	3243.4	3233.6	3188.2	3166.1	3151.4	3146.5	3124.4	3117.0	3093.7
15°	3480.3	3458.2	3422.6	3405.4	3345.3	3330.5	3301.1	3276.6	3263.1	3255.7	3248.3
17.5°	3649.6	3637.3	3600.5	3572.3	3504.8	3485.2	3450.8	3445.9	3405.4	3390.7	3371.0
20°	3844.7	3823.9	3787.1	3774.8	3726.9	3675.4	3630.0	3630.0	3582.1	3540.4	3533.0
22.5°	4053.4	4031.3	3980.9	3973.6	3929.4	3903.6	3844.7	3823.9	3767.4	3734.3	3687.7
25°	4287.7	4258.3	4223.9	4212.9	4178.5	4163.8	4088.9	4079.1	3994.4	3963.8	3929.4
27.5°	4492.7	4504.9	4487.8	4475.5	4449.7	4422.7	4367.5	4367.5	4268.1	4253.4	4203.1
30°	4771.2	4751.6	4761.4	4754.1	4722.2	4717.3	4681.7	4676.8	4589.6	4597.0	4512.3
32.5°	4986.0	4990.9	5014.2	5019.1	5029.0	5036.3	5000.7	4966.4	4911.1	4946.7	4857.1
35°	5155.4	5155.4	5237.6	5348.0	5367.7	5445.0	5399.6	5384.8	5292.8	5375.0	5280.5
37.5°	5295.2	5302.6	5360.3	5500.2	5633.9	5724.8	5708.8	5739.5	5667.1	5799.6	5729.7
40°	5399.6	5402.0	5502.6	5672.0	5896.6	6023.0	6032.8	6078.2	6051.2	6218.1	6189.9
42.5°	5300.2	5314.9	5500.2	5831.5	6131.0	6292.9	6346.9	6452.5	6464.7	6661.1	6656.2
45°	5181.1	5200.8	5408.1	5889.2	6332.2	6542.1	6661.1	6836.6	6873.4	7100.4	7102.9
47.5°	5070.7	5103.8	5314.9	5846.2	6515.1	6786.3	6955.6	7170.4	7255.0	7453.8	7467.3
50°	4966.4	4995.8	5227.8	5814.3	6677.0	7010.8	7220.7	7474.7	7556.9	7748.4	7741.0
52.5°	4746.7	4782.3	5053.5	5706.4	6754.4	7120.1	7344.6	7574.1	7699.3	7912.8	7898.1
55°	4543.0	4587.2	4857.1	5577.5	6759.3	7140.9	7394.9	7619.5	7763.1	8002.4	7992.6
57.5°	4313.5	4330.7	4611.7	5375.0	6661.1	7080.8	7329.9	7619.5	7765.5	8047.8	8090.7
60°	4009.2	4055.8	4318.4	5098.9	6486.8	6980.2	7320.1	7658.8	7837.9	8202.4	8289.5
62.5°	3724.5	3750.2	4004.3	4771.2	6189.9	6756.8	7150.7	7574.1	7868.6	8267.5	8489.6
65°	3361.2	3402.9	3622.6	4338.1	5761.6	6337.1	6801.0	7325.0	7731.2	8192.6	8501.8
67.5°	2917.0	2948.9	3139.1	3804.2	5125.9	5689.2	6213.2	6875.8	7364.3	7837.9	8255.2
69°	2627.4	2660.5	2812.7	3415.2	4676.8	5195.8	5684.3	6416.9	6972.8	7544.7	8057.6
70°	2413.8	2431.0	2585.7	3131.7	4335.6	4836.3	5260.9	6032.8	6646.4	7359.4	7898.1
72.5°	1819.9	1844.4	1959.8	2378.3	3318.3	3774.8	4154.0	4777.4	5481.8	6353.1	6940.9
75°	1237.0	1234.5	1343.8	1600.2	2076.4	2373.4	2697.3	3265.5	3881.5	4652.2	5435.1
77.5°	408.6	418.5	486.0	722.8	935.1	1007.5	1051.7	1261.5	1767.1	2194.2	3018.8
80°	159.5	164.4	271.2	359.6	466.3	503.1	528.9	623.4	713.0	827.1	1056.6
82.5°	99.4	137.4	189.0	214.8	217.2	204.9	193.9	234.4	292.1	364.5	425.8
85°	65.0	87.1	87.1	92.0	92.0	84.7	65.0	94.5	130.1	144.8	174.3
87.5°	34.4	52.8	50.3	43.0	31.9	19.6	0.0	9.8	19.6	24.5	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P189827

CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	66°	67.5°	70°	72.5°	75°
0°	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8
2.5°	2832.3	2829.9	2802.9	2829.9	2812.7	2827.4	2827.4	2802.9	2834.8	2842.1	2849.5
5°	2851.9	2859.3	2847.0	2849.5	2847.0	2851.9	2859.3	2851.9	2866.7	2876.5	2866.7
7.5°	2897.4	2909.6	2871.6	2899.8	2866.7	2871.6	2885.1	2871.6	2904.7	2912.1	2902.3
10°	2977.1	2977.1	2967.3	2967.3	2946.4	2948.9	2944.0	2936.6	2946.4	2926.8	2953.8
12.5°	3056.9	3061.8	3031.1	3049.5	3021.3	3021.3	3016.4	3001.7	3016.4	3011.5	3011.5
15°	3190.6	3201.7	3161.2	3178.4	3146.5	3141.6	3139.1	3136.7	3129.3	3110.9	3136.7
17.5°	3335.5	3328.1	3301.1	3281.5	3255.7	3260.6	3258.1	3260.6	3245.9	3236.1	3250.8
20°	3485.2	3482.7	3455.7	3433.6	3410.3	3400.5	3402.9	3400.5	3385.8	3390.7	3393.1
22.5°	3685.2	3639.8	3644.7	3595.6	3579.7	3562.5	3550.2	3574.8	3540.4	3584.6	3550.2
25°	3914.7	3861.9	3879.1	3799.3	3784.6	3752.7	3746.6	3779.7	3750.2	3819.0	3782.1
27.5°	4173.6	4118.4	4123.3	4058.3	4033.7	4004.3	4004.3	4074.2	4031.3	4093.8	4023.9
30°	4502.5	4452.2	4492.7	4381.0	4383.5	4345.4	4350.3	4447.3	4388.4	4468.1	4385.9
32.5°	4901.3	4819.1	4881.7	4779.8	4816.7	4779.8	4806.8	4941.8	4881.7	5000.7	4854.7
35°	5335.7	5256.0	5375.0	5300.2	5384.8	5410.6	5437.6	5614.3	5580.0	5729.7	5611.9
37.5°	5848.7	5795.9	5903.9	5896.6	6058.5	6078.2	6121.1	6346.9	6305.2	6506.5	6355.5
40°	6367.8	6310.1	6501.6	6462.3	6677.0	6699.1	6740.9	6986.3	6911.4	7030.5	6853.8
42.5°	6820.6	6805.9	6936.0	6933.5	7145.8	7167.9	7212.1	7394.9	7305.4	7349.5	7182.6
45°	7284.5	7235.4	7390.0	7359.4	7588.8	7581.5	7601.1	7779.0	7694.4	7673.5	7511.5
47.5°	7598.7	7564.3	7728.7	7699.3	7933.7	7915.3	7950.8	8052.7	7945.9	7953.3	7788.9
50°	7898.1	7856.4	8002.4	7975.4	8161.9	8187.7	8214.7	8277.3	8147.2	8057.6	7925.1
52.5°	8057.6	7975.4	8098.1	8112.8	8287.1	8287.1	8319.0	8352.1	8292.0	8282.2	8165.6
55°	8117.7	8084.6	8197.5	8227.0	8471.2	8543.6	8596.3	8651.6	8623.3	8606.2	8466.3
57.5°	8257.6	8236.8	8441.7	8514.1	8775.5	8865.1	8922.8	9035.7	8980.4	8870.0	8695.7
60°	8562.0	8606.2	8850.4	8915.4	9244.3	9321.6	9362.1	9408.7	9381.7	9219.7	9005.0
62.5°	8765.7	8905.6	9205.0	9362.1	9703.3	9828.4	9848.1	9843.1	9732.7	9503.2	9277.4
65°	8830.7	9040.6	9444.3	9708.2	10042.0	10164.7	10172.0	10131.5	10046.9	9722.9	9483.6
67.5°	8641.7	8978.0	9444.3	9758.5	10111.9	10278.8	10281.2	10186.8	10176.9	9797.7	9608.8
69°	8431.9	8883.5	9349.8	9797.7	10056.7	10428.5	10466.6	10227.3	10266.5	9817.4	9645.6
70°	8321.5	8813.6	9319.1	9797.7	10111.9	10379.4	10435.9	10281.2	10219.9	9722.9	9514.3
72.5°	7469.8	8038.0	8746.1	9184.2	9398.9	9594.0	9573.2	9483.6	9421.0	8920.3	8738.7
75°	6068.4	6621.8	7279.6	7718.9	7927.5	8274.8	8299.4	8212.2	8257.6	7753.3	7624.4
77.5°	3739.2	4649.8	5340.7	5988.6	6203.4	6747.0	6834.1	6815.7	6913.9	6457.4	6317.5
80°	1232.1	1570.8	1894.8	2428.6	2353.7	3021.3	3153.8	3156.3	3340.4	2583.2	2864.2
82.5°	468.8	582.9	693.4	830.8	877.4	942.5	949.8	922.8	1005.1	897.1	887.2
85°	139.9	159.5	139.9	162.0	164.4	202.5	179.2	135.0	184.1	144.8	137.4
87.5°	9.8	14.7	14.7	31.9	0.0	31.9	19.6	14.7	14.7	19.6	17.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P189827

CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

CANDELA DISTRIBUTION (continued):

	77.5°	80°	82.5°	85°	87.5°	90°	95°	100°	102.5°	105°	107.5°
0°	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8
2.5°	2847.0	2837.2	2842.1	2839.7	2842.1	2854.4	2847.0	2832.3	2837.2	2849.5	2832.3
5°	2871.6	2856.9	2887.5	2837.2	2866.7	2882.6	2887.5	2892.4	2892.4	2894.9	2917.0
7.5°	2902.3	2874.0	2902.3	2899.8	2917.0	2919.4	2939.1	2956.3	2977.1	2967.3	2986.9
10°	2951.3	2953.8	2962.4	2956.3	2972.2	2969.8	3001.7	3028.7	3052.0	3039.7	3042.2
12.5°	3061.8	3028.7	3056.9	3036.0	3056.9	3056.9	3071.6	3066.7	3106.0	3086.3	3071.6
15°	3171.0	3144.0	3166.1	3144.0	3161.2	3156.3	3148.9	3126.8	3156.3	3148.9	3141.6
17.5°	3291.3	3250.8	3281.5	3238.5	3250.8	3218.9	3190.6	3146.5	3180.8	3144.0	3126.8
20°	3410.3	3393.1	3390.7	3350.2	3330.5	3313.4	3241.0	3183.3	3196.8	3163.7	3110.9
22.5°	3555.1	3530.6	3515.8	3450.8	3429.9	3398.0	3308.5	3218.9	3196.8	3168.6	3121.9
25°	3769.9	3709.7	3695.0	3622.6	3605.4	3537.9	3395.6	3283.9	3250.8	3209.1	3136.7
27.5°	4023.9	3934.3	3909.8	3806.7	3794.4	3687.7	3545.3	3373.5	3296.2	3211.5	3151.4
30°	4377.3	4221.5	4212.9	4069.3	4053.4	3898.7	3697.5	3499.9	3390.7	3283.9	3175.9
32.5°	4921.0	4707.4	4727.1	4522.1	4502.5	4250.9	3909.8	3620.2	3465.5	3340.4	3166.1
35°	5754.2	5517.4	5495.3	5268.3	5210.6	4944.3	4490.2	3919.6	3625.1	3398.0	3171.0
37.5°	6358.0	6177.6	6123.6	5916.2	5699.0	5487.9	4966.4	4318.4	3973.6	3639.8	3241.0
40°	6786.3	6592.4	6472.1	6254.9	6083.1	5873.2	5322.2	4659.6	4253.4	3854.5	3390.7
42.5°	7115.1	6933.5	6801.0	6602.2	6426.7	6148.1	5546.8	4768.8	4347.9	3973.6	3405.4
45°	7419.5	7237.9	7095.5	6878.3	6686.9	6445.1	5778.8	4819.1	4338.1	3898.7	3335.5
47.5°	7683.3	7487.0	7284.5	7063.6	6851.3	6621.8	5930.9	4901.3	4287.7	3784.6	3101.1
50°	7798.7	7636.7	7464.9	7240.3	7005.9	6786.3	6032.8	4862.1	4088.9	3542.8	2796.7
52.5°	8028.2	7788.9	7593.7	7366.7	7110.2	6848.8	6015.6	4719.7	3794.4	3175.9	2423.7
55°	8287.1	8074.8	7803.6	7586.4	7264.9	6950.7	6070.8	4550.4	3535.5	2924.4	2148.8
57.5°	8511.7	8274.8	7948.4	7709.1	7325.0	6986.3	5948.1	4338.1	3301.1	2682.6	1914.4
60°	8731.3	8499.4	8132.5	7837.9	7380.2	6965.4	5829.1	4212.9	3131.7	2470.3	1630.9
62.5°	8930.1	8661.4	8173.0	7853.9	7294.3	6878.3	5672.0	3978.5	2837.2	2216.3	1336.4
65°	9055.3	8731.3	8132.5	7784.0	7165.5	6731.0	5410.6	3642.2	2513.2	1851.8	1046.8
67.5°	9055.3	8676.1	7972.9	7610.9	6875.8	6370.3	4921.0	3136.7	2034.7	1450.5	747.3
69°	8975.5	8550.9	7793.8	7392.5	6621.8	6070.8	4485.3	2759.9	1715.6	1152.3	594.0
70°	8870.0	8436.8	7588.8	7143.4	6392.3	5799.6	4168.7	2520.6	1500.8	952.3	543.6
72.5°	8127.6	7709.1	6756.8	6307.7	5485.5	4941.8	3398.0	1752.4	848.0	543.6	439.3
75°	6970.3	6634.1	5645.0	5203.2	4343.0	3859.5	2303.4	817.3	478.6	413.6	338.7
77.5°	5485.5	5143.1	4297.6	3794.4	2902.3	2435.9	932.7	436.9	359.6	287.2	224.6
80°	2204.0	2112.0	1300.8	1278.7	797.7	708.1	456.5	304.3	244.2	196.3	139.9
82.5°	722.8	705.6	594.0	546.1	449.1	425.8	304.3	212.3	159.5	130.1	79.8
85°	104.3	127.6	120.3	120.3	84.7	96.9	72.4	57.7	45.4	36.8	19.6
87.5°	0.0	7.4	4.9	12.3	9.8	14.7	19.6	19.6	4.9	19.6	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



REPORT NUMBER: P189827

CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°
0°	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8	2845.8
2.5°	2859.3	2861.8	2854.4	2866.7	2871.6	2882.6	2882.6	2892.4	2882.6	2887.5	2924.4
5°	2946.4	2967.3	2956.3	2967.3	2982.0	2982.0	3004.1	3021.3	3011.5	3023.8	3091.2
7.5°	3011.5	3056.9	3042.2	3066.7	3069.2	3091.2	3081.4	3126.8	3108.4	3110.9	3171.0
10°	3079.0	3091.2	3103.5	3110.9	3117.0	3151.4	3131.7	3151.4	3158.7	3158.7	3206.6
12.5°	3096.2	3121.9	3124.4	3146.5	3119.5	3166.1	3141.6	3171.0	3153.8	3151.4	3183.3
15°	3134.2	3136.7	3119.5	3131.7	3126.8	3185.7	3153.8	3175.9	3134.2	3141.6	3163.7
17.5°	3113.3	3117.0	3110.9	3121.9	3103.5	3131.7	3096.2	3117.0	3083.9	3064.2	3061.8
20°	3134.2	3117.0	3071.6	3081.4	3061.8	3076.5	3036.0	3036.0	2991.8	2969.8	2897.4
22.5°	3106.0	3071.6	3036.0	3001.7	2974.7	2972.2	2934.2	2941.5	2864.2	2794.3	2707.1
25°	3093.7	3016.4	2996.8	2921.9	2917.0	2882.6	2807.8	2791.8	2719.4	2615.1	2498.5
27.5°	3110.9	3001.7	2941.5	2866.7	2812.7	2728.0	2677.7	2607.7	2518.2	2402.8	2201.5
30°	3083.9	2982.0	2882.6	2737.8	2692.4	2568.5	2486.3	2397.9	2308.3	2158.6	1909.5
32.5°	3064.2	2907.2	2762.4	2588.1	2515.7	2358.6	2286.2	2143.9	2054.3	1865.3	1551.1
35°	2986.9	2796.7	2622.5	2433.5	2331.6	2158.6	2039.6	1880.0	1754.9	1530.3	1189.1
37.5°	2964.8	2677.7	2505.9	2238.4	2102.1	1894.8	1762.2	1561.0	1435.8	1191.6	949.8
40°	2986.9	2557.4	2313.2	2008.9	1817.4	1575.7	1406.3	1201.4	1064.0	882.3	732.6
42.5°	2956.3	2388.1	2083.7	1689.8	1466.5	1181.8	1002.6	848.0	782.9	670.0	555.9
45°	2805.3	2168.4	1749.9	1276.3	1059.0	817.3	695.8	598.9	580.5	521.5	493.3
47.5°	2550.1	1810.1	1403.9	932.7	753.5	598.9	553.5	508.0	514.2	493.3	481.1
50°	2240.8	1510.6	1119.2	732.6	616.0	573.1	533.8	514.2	514.2	490.9	488.4
52.5°	1899.7	1211.2	884.8	603.8	541.2	514.2	483.5	488.4	461.4	446.7	446.7
55°	1638.3	997.7	760.8	558.4	505.6	478.6	486.0	459.0	454.1	439.3	456.5
57.5°	1403.9	822.2	657.8	528.9	490.9	459.0	466.3	428.3	436.9	433.2	454.1
60°	1145.0	688.4	596.4	493.3	456.5	444.2	428.3	413.6	408.6	401.3	441.8
62.5°	910.6	608.7	543.6	463.9	423.4	403.7	398.8	403.7	396.4	403.7	446.7
65°	717.9	538.7	500.7	434.4	401.3	403.7	386.6	389.0	401.3	408.6	463.9
67.5°	585.4	459.0	433.2	379.2	362.0	343.6	353.4	369.4	374.3	384.1	466.3
69°	514.2	434.4	389.0	343.6	324.0	324.0	321.5	343.6	359.6	374.3	454.1
70°	471.2	369.4	371.8	314.2	297.0	289.6	311.7	319.1	331.3	369.4	463.9
72.5°	398.8	338.7	333.8	279.8	282.2	273.7	282.2	328.9	311.7	362.0	478.6
75°	297.0	258.9	254.0	229.5	227.0	234.4	244.2	263.8	287.2	324.0	441.8
77.5°	212.3	174.3	193.9	154.6	166.9	149.7	174.3	193.9	217.2	256.5	396.4
80°	139.9	120.3	135.0	99.4	114.1	104.3	132.5	139.9	127.6	179.2	297.0
82.5°	89.6	84.7	87.1	60.1	72.4	65.0	69.9	65.0	82.2	96.9	189.0
85°	22.1	19.6	43.0	34.4	19.6	24.5	27.0	45.4	43.0	45.4	72.4
87.5°	0.0	0.0	17.2	0.0	4.9	0.0	4.9	24.5	19.6	24.5	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P189827

CATALOG NUMBER: VERD-M-A0385-E-U-T3-7030-AP

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	2845.8	2845.8	2845.8	2845.8
2.5°	2962.4	3001.7	2991.8	3016.4
5°	3131.7	3183.3	3183.3	3216.4
7.5°	3201.7	3255.7	3255.7	3281.5
10°	3243.4	3301.1	3303.5	3335.5
12.5°	3199.2	3245.9	3255.7	3291.3
15°	3146.5	3156.3	3161.2	3185.7
17.5°	3011.5	3021.3	3026.2	3036.0
20°	2856.9	2842.1	2834.8	2851.9
22.5°	2653.1	2610.2	2583.2	2583.2
25°	2370.9	2348.8	2288.7	2278.9
27.5°	2059.2	2012.6	1964.7	1954.9
30°	1727.9	1662.8	1623.5	1640.7
32.5°	1348.7	1329.0	1329.0	1351.1
35°	1077.5	1102.0	1111.8	1126.5
37.5°	892.2	947.4	967.0	992.8
40°	690.9	765.8	830.8	872.5
42.5°	573.1	671.3	735.1	753.5
45°	546.1	635.7	693.4	698.3
47.5°	541.2	620.9	681.1	698.3
50°	543.6	643.0	695.8	703.2
52.5°	514.2	598.9	647.9	643.0
55°	538.7	618.5	643.0	643.0
57.5°	548.5	643.0	703.2	713.0
60°	570.6	755.9	819.8	822.2
62.5°	638.1	877.4	812.4	782.9
65°	751.0	937.6	830.8	787.8
67.5°	695.8	755.9	665.1	657.8
69°	676.2	725.3	645.5	623.4
70°	652.9	710.5	645.5	638.1
72.5°	660.2	722.8	563.3	528.9
75°	620.9	690.9	536.3	488.4
77.5°	587.8	650.4	528.9	483.5
80°	488.4	594.0	524.0	508.0
82.5°	336.2	468.8	454.1	483.5
85°	174.3	292.1	366.9	428.3
87.5°	57.7	116.6	171.8	193.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)