

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: P189824

Luminaire Tested: **VERD-M-A04-E-U-T3-7030-AP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189824
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-A04-E-U-T3-7030-AP
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 3000K LEDS AND TYPE III OPTICS, GREY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28396 lumens
Efficiency: N/A
Efficacy: 115.0 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 - G4

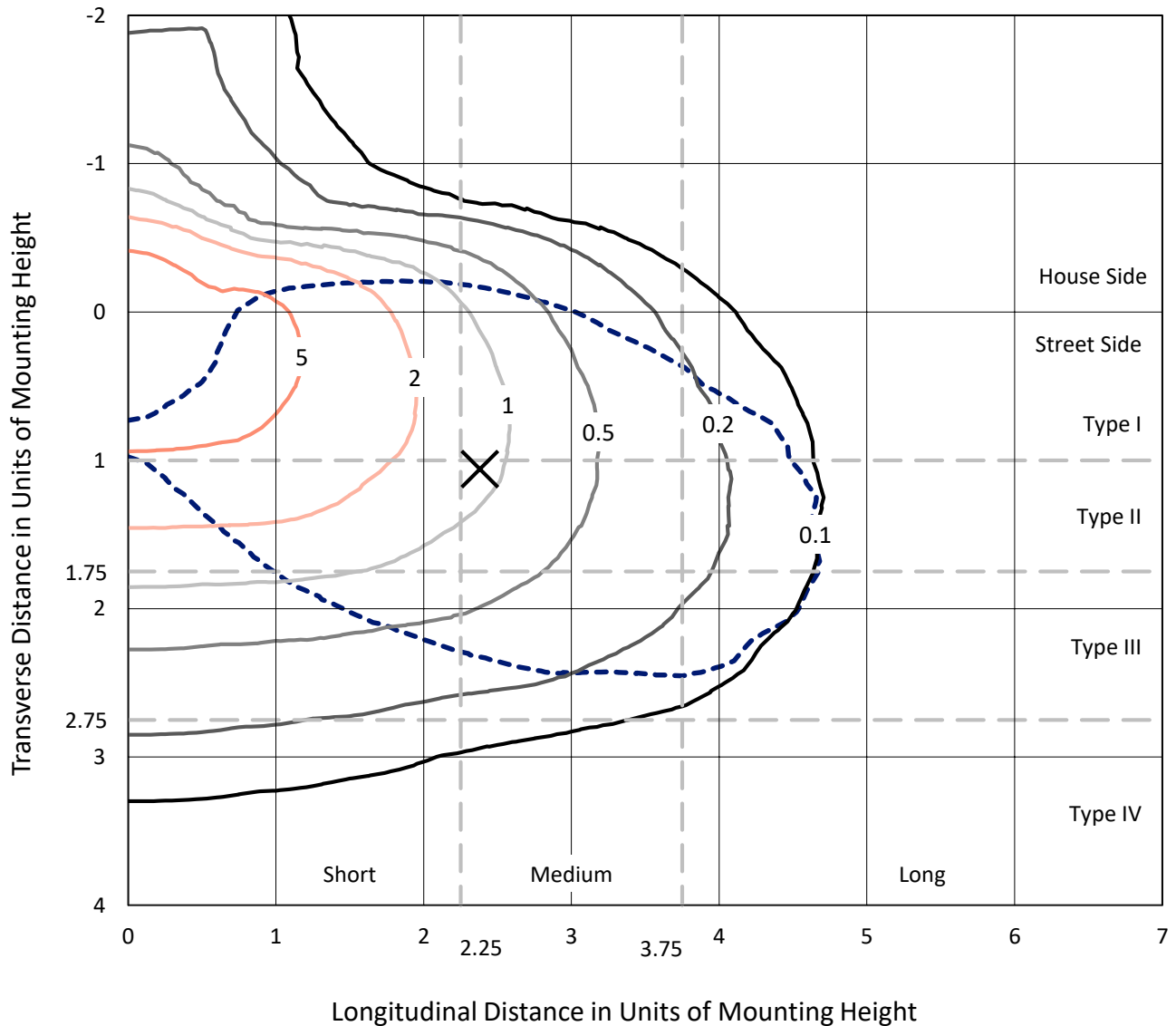
Input Watts (W): 247
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P189824
 CATALOG NUMBER: VERD-M-A04-E-U-T3-7030-AP

Iso-Footcandle Lines of Horizontal Illumination

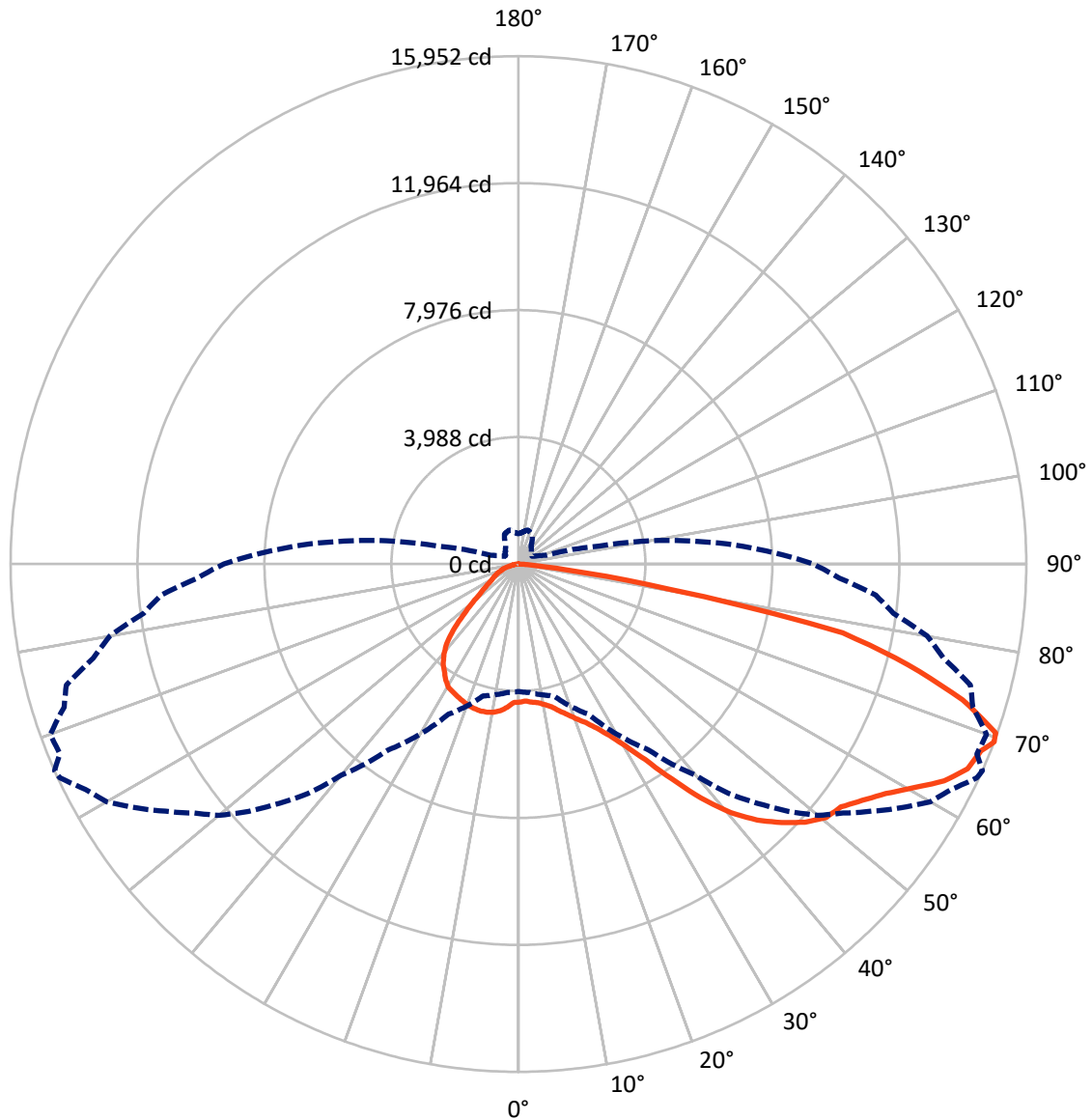
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P189824
CATALOG NUMBER: VERD-M-A04-E-U-T3-7030-AP

Luminous Intensity Polar Plot



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

REPORT NUMBER: P189824

CATALOG NUMBER: VERD-M-A04-E-U-T3-7030-AP

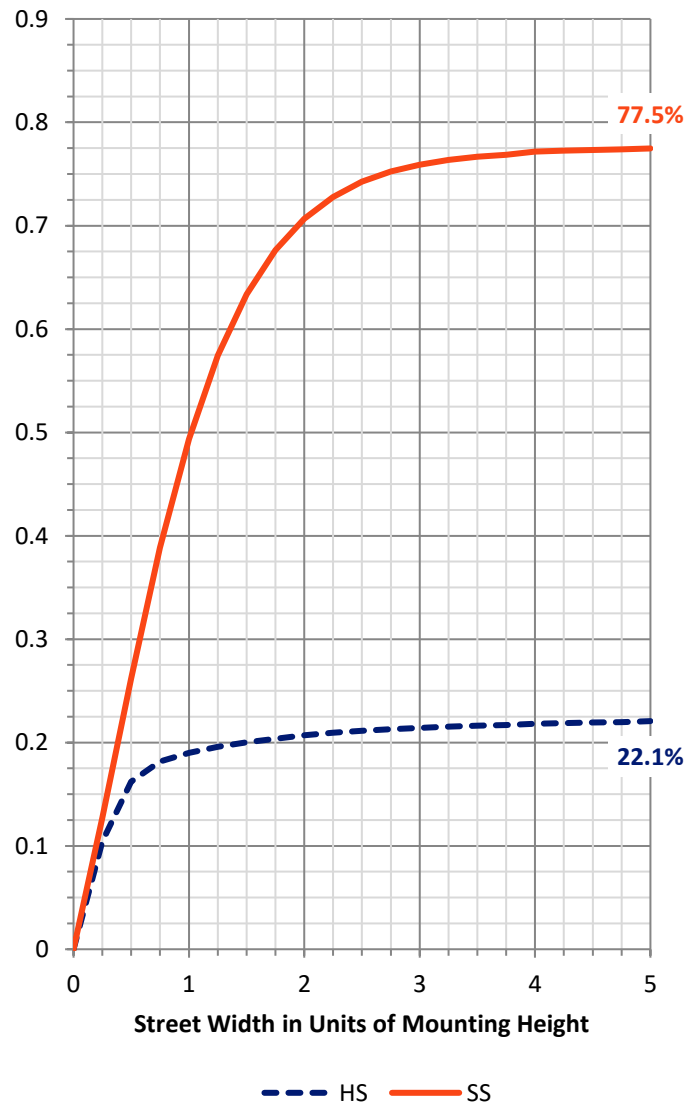
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6380.9	0.0	6380.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	22015.1	0.0	22015.1
	% Fixture	77.5	0.0	77.5
Total	Lumens	28396.0	0.0	28396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.9	1.5
10°-20°	1388.5	4.9
20°-30°	2378.0	8.4
30°-40°	3565.9	12.6
40°-50°	4851.8	17.1
50°-60°	5708.5	20.1
60°-70°	5994.6	21.1
70°-80°	3714.1	13.1
80°-90°	357.8	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°	28396.0	100.0
0°-180°	28396.0	100.0

Coefficient of Utilization



REPORT NUMBER: P189824

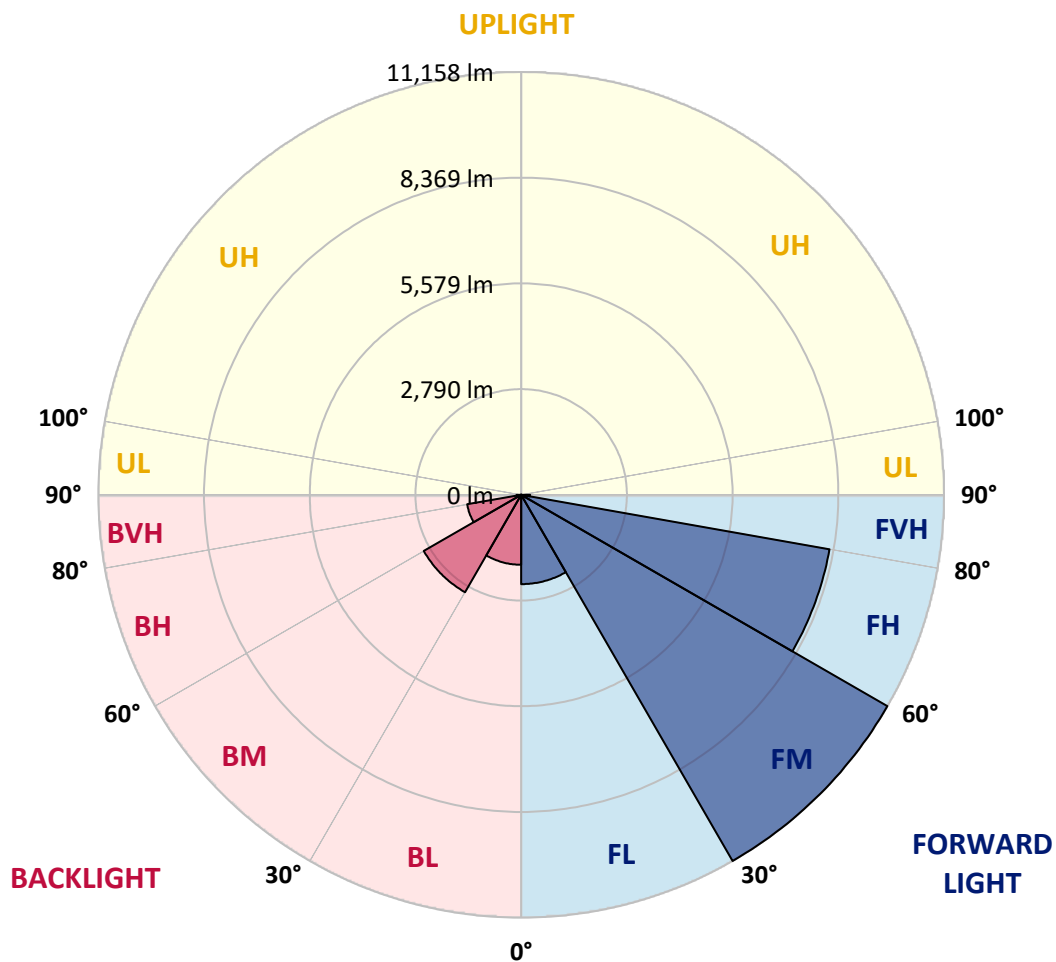
CATALOG NUMBER: VERD-M-A04-E-U-T3-7030-AP

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2357.4	8.3			
FM	(30°-60°)	11158.0	39.3			
FH	(60°-80°)	8261.9	29.1			G4/12000
FVH	(80°-90°)	237.8	0.8			G3/500
BL	(0°-30°)	1846.0	6.5	B3/2500		
BM	(30°-60°)	2968.2	10.5	B3/5000		
BH	(60°-80°)	1446.8	5.1	B3/2500		G3/2500
BVH	(80°-90°)	119.9	0.4			G2/225
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





REPORT NUMBER: P189824

CATALOG NUMBER: VERD-M-A04-E-U-T3-7030-AP

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4
2.5°	4408.5	4408.5	4361.7	4354.2	4346.7	4324.3	4309.3	4309.3	4294.4	4309.3	4316.8
5°	4498.2	4475.8	4427.2	4423.4	4401.0	4401.0	4401.0	4376.7	4361.7	4354.2	4354.2
7.5°	4627.3	4601.1	4563.7	4530.0	4502.0	4483.3	4438.4	4475.8	4449.6	4445.9	4449.6
10°	4833.0	4814.3	4745.1	4737.6	4674.0	4651.6	4612.3	4612.3	4597.4	4589.9	4567.4
12.5°	5023.8	5016.3	4943.4	4928.4	4859.2	4825.5	4803.1	4795.6	4762.0	4750.7	4715.2
15°	5304.4	5270.7	5216.5	5190.3	5098.6	5076.2	5031.3	4993.9	4973.3	4962.1	4950.9
17.5°	5562.5	5543.8	5487.7	5444.6	5341.8	5311.8	5259.5	5252.0	5190.3	5167.8	5137.9
20°	5859.9	5828.1	5771.9	5753.2	5680.3	5601.7	5532.5	5532.5	5459.6	5396.0	5384.8
22.5°	6177.8	6144.2	6067.5	6056.2	5988.9	5949.6	5859.9	5828.1	5742.0	5691.5	5620.4
25°	6535.1	6490.2	6437.8	6421.0	6368.6	6346.2	6232.1	6217.1	6088.0	6041.3	5988.9
27.5°	6847.4	6866.1	6839.9	6821.2	6781.9	6740.8	6656.6	6656.6	6505.1	6482.7	6406.0
30°	7272.0	7242.1	7257.0	7245.8	7197.2	7189.7	7135.4	7128.0	6995.2	7006.4	6877.3
32.5°	7599.3	7606.8	7642.3	7649.8	7664.8	7676.0	7621.7	7569.4	7485.2	7539.4	7402.9
35°	7857.4	7857.4	7982.7	8151.1	8181.0	8298.8	8229.6	8207.2	8066.9	8192.2	8048.2
37.5°	8070.6	8081.9	8169.8	8383.0	8586.8	8725.3	8700.9	8747.7	8637.3	8839.3	8732.7
40°	8229.6	8233.4	8386.7	8644.8	8987.1	9179.8	9194.7	9263.9	9222.8	9477.1	9434.1
42.5°	8078.1	8100.6	8383.0	8888.0	9344.3	9591.2	9673.5	9834.4	9853.1	10152.3	10144.9
45°	7896.7	7926.6	8242.7	8975.9	9651.1	9970.9	10152.3	10419.8	10475.9	10821.9	10825.7
47.5°	7728.4	7778.9	8100.6	8910.4	9929.8	10343.1	10601.2	10928.5	11057.6	11360.6	11381.2
50°	7569.4	7614.3	7967.8	8861.8	10176.7	10685.4	11005.2	11392.4	11517.7	11809.5	11798.3
52.5°	7234.6	7288.8	7702.2	8697.2	10294.5	10851.9	11194.1	11543.9	11734.7	12060.1	12037.7
55°	6924.1	6991.4	7402.9	8500.8	10302.0	10883.7	11270.8	11613.1	11831.9	12196.7	12181.7
57.5°	6574.3	6600.5	7028.8	8192.2	10152.3	10792.0	11171.7	11613.1	11835.7	12265.9	12331.3
60°	6110.5	6181.6	6581.8	7771.4	9886.8	10638.6	11156.7	11673.0	11946.0	12501.5	12634.3
62.5°	5676.6	5715.8	6103.0	7272.0	9434.1	10298.2	10898.6	11543.9	11992.8	12600.7	12939.2
65°	5122.9	5186.5	5521.3	6611.7	8781.4	9658.6	10365.6	11164.2	11783.3	12486.6	12957.9
67.5°	4445.9	4494.5	4784.4	5798.1	7812.5	8671.0	9469.7	10479.7	11224.1	11946.0	12582.0
69°	4004.5	4055.0	4286.9	5205.2	7128.0	7919.1	8663.5	9780.1	10627.4	11499.0	12280.8
70°	3679.0	3705.2	3940.9	4773.2	6608.0	7371.1	8018.3	9194.7	10129.9	11216.6	12037.7
72.5°	2773.8	2811.2	2987.0	3624.8	5057.5	5753.2	6331.2	7281.3	8354.9	9682.9	10578.8
75°	1885.3	1881.6	2048.1	2439.0	3164.7	3617.3	4111.1	4977.0	5916.0	7090.6	8283.9
77.5°	622.8	637.8	740.7	1101.6	1425.2	1535.6	1602.9	1922.7	2693.3	3344.2	4601.1
80°	243.1	250.6	413.4	548.0	710.7	766.8	806.1	950.1	1086.7	1260.6	1610.4
82.5°	151.5	209.5	288.0	327.3	331.1	312.4	295.5	357.2	445.1	555.5	649.0
85°	99.1	132.8	132.8	140.3	140.3	129.1	99.1	144.0	198.3	220.7	265.6
87.5°	52.4	80.4	76.7	65.5	48.6	29.9	0.0	15.0	29.9	37.4	18.7
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: P189824

CATALOG NUMBER: VERD-M-A04-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°	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4
2.5°	4316.8	4313.1	4271.9	4313.1	4286.9	4309.3	4309.3	4271.9	4320.5	4331.8	4343.0
5°	4346.7	4358.0	4339.2	4343.0	4339.2	4346.7	4358.0	4346.7	4369.2	4384.1	4369.2
7.5°	4415.9	4434.6	4376.7	4419.7	4369.2	4376.7	4397.2	4376.7	4427.2	4438.4	4423.4
10°	4537.5	4537.5	4522.5	4522.5	4490.7	4494.5	4487.0	4475.8	4490.7	4460.8	4502.0
12.5°	4659.1	4666.6	4619.8	4647.9	4604.8	4604.8	4597.4	4574.9	4597.4	4589.9	4589.9
15°	4863.0	4879.8	4818.1	4844.2	4795.6	4788.1	4784.4	4780.7	4769.4	4741.4	4780.7
17.5°	5083.7	5072.4	5031.3	5001.4	4962.1	4969.6	4965.8	4969.6	4947.1	4932.2	4954.6
20°	5311.8	5308.1	5267.0	5233.3	5197.7	5182.8	5186.5	5182.8	5160.3	5167.8	5171.6
22.5°	5616.7	5547.5	5555.0	5480.2	5455.9	5429.7	5411.0	5448.4	5396.0	5463.3	5411.0
25°	5966.5	5886.0	5912.2	5790.7	5768.2	5719.6	5710.2	5760.7	5715.8	5820.6	5764.5
27.5°	6361.1	6276.9	6284.4	6185.3	6147.9	6103.0	6103.0	6209.6	6144.2	6239.5	6132.9
30°	6862.4	6785.7	6847.4	6677.2	6680.9	6623.0	6630.4	6778.2	6688.4	6810.0	6684.7
32.5°	7470.2	7344.9	7440.3	7285.1	7341.2	7285.1	7326.2	7532.0	7440.3	7621.7	7399.2
35°	8132.4	8010.8	8192.2	8078.1	8207.2	8246.4	8287.6	8556.9	8504.6	8732.7	8553.2
37.5°	8914.2	8833.7	8998.3	8987.1	9234.0	9263.9	9329.4	9673.5	9609.9	9916.7	9686.6
40°	9705.3	9617.4	9909.2	9849.3	10176.7	10210.3	10273.9	10648.0	10533.9	10715.3	10446.0
42.5°	10395.5	10373.0	10571.3	10567.6	10891.1	10924.8	10992.1	11270.8	11134.3	11201.6	10947.3
45°	11102.5	11027.7	11263.3	11216.6	11566.3	11555.1	11585.0	11856.2	11727.2	11695.4	11448.5
47.5°	11581.3	11528.9	11779.6	11734.7	12091.9	12063.9	12118.1	12273.3	12110.6	12121.8	11871.2
50°	12037.7	11974.1	12196.7	12155.5	12439.8	12479.1	12520.2	12615.6	12417.4	12280.8	12078.8
52.5°	12280.8	12155.5	12342.5	12365.0	12630.6	12630.6	12679.2	12729.7	12638.1	12623.1	12445.4
55°	12372.5	12322.0	12494.0	12538.9	12911.1	13021.5	13101.9	13186.1	13143.1	13116.9	12903.7
57.5°	12585.7	12553.9	12866.2	12976.6	13375.0	13511.5	13599.4	13771.5	13687.3	13519.0	13253.4
60°	13049.5	13116.9	13489.1	13588.2	14089.5	14207.3	14269.0	14340.1	14298.9	14052.1	13724.7
62.5°	13360.0	13573.2	14029.6	14269.0	14789.0	14979.8	15009.7	15002.2	14833.9	14484.1	14140.0
65°	13459.2	13779.0	14394.3	14796.5	15305.2	15492.2	15503.5	15441.7	15312.7	14818.9	14454.2
67.5°	13171.1	13683.6	14394.3	14873.1	15411.8	15666.2	15669.9	15525.9	15510.9	14933.0	14645.0
69°	12851.3	13539.6	14250.3	14933.0	15327.6	15894.4	15952.3	15587.6	15647.5	14962.9	14701.1
70°	12683.0	13433.0	14203.6	14933.0	15411.8	15819.6	15905.6	15669.9	15576.4	14818.9	14500.9
72.5°	11384.9	12250.9	13330.1	13997.8	14325.1	14622.5	14590.7	14454.2	14358.8	13595.7	13318.9
75°	9249.0	10092.5	11095.0	11764.6	12082.6	12611.9	12649.3	12516.5	12585.7	11817.0	11620.6
77.5°	5699.0	7086.8	8139.8	9127.4	9454.7	10283.3	10416.1	10388.0	10537.6	9841.9	9628.6
80°	1877.8	2394.1	2887.8	3701.5	3587.4	4604.8	4806.8	4810.6	5091.1	3937.1	4365.4
82.5°	714.5	888.4	1056.8	1266.2	1337.3	1436.4	1447.7	1406.5	1531.8	1367.2	1352.3
85°	213.2	243.1	213.2	246.9	250.6	308.6	273.1	205.7	280.6	220.7	209.5
87.5°	15.0	22.4	22.4	48.6	0.0	48.6	29.9	22.4	22.4	29.9	26.2
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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CATALOG NUMBER: VERD-M-A04-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°	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4
2.5°	4339.2	4324.3	4331.8	4328.0	4331.8	4350.5	4339.2	4316.8	4324.3	4343.0	4316.8
5°	4376.7	4354.2	4401.0	4324.3	4369.2	4393.5	4401.0	4408.5	4408.5	4412.2	4445.9
7.5°	4423.4	4380.4	4423.4	4419.7	4445.9	4449.6	4479.5	4505.7	4537.5	4522.5	4552.5
10°	4498.2	4502.0	4515.1	4505.7	4530.0	4526.3	4574.9	4616.1	4651.6	4632.9	4636.6
12.5°	4666.6	4616.1	4659.1	4627.3	4659.1	4659.1	4681.5	4674.0	4733.9	4704.0	4681.5
15°	4833.0	4791.9	4825.5	4791.9	4818.1	4810.6	4799.4	4765.7	4810.6	4799.4	4788.1
17.5°	5016.3	4954.6	5001.4	4935.9	4954.6	4906.0	4863.0	4795.6	4848.0	4791.9	4765.7
20°	5197.7	5171.6	5167.8	5106.1	5076.2	5050.0	4939.6	4851.7	4872.3	4821.8	4741.4
22.5°	5418.4	5381.0	5358.6	5259.5	5227.7	5179.0	5042.5	4906.0	4872.3	4829.3	4758.2
25°	5745.8	5654.1	5631.7	5521.3	5495.1	5392.3	5175.3	5005.1	4954.6	4891.0	4780.7
27.5°	6132.9	5996.4	5959.0	5801.9	5783.2	5620.4	5403.5	5141.6	5023.8	4894.7	4803.1
30°	6671.6	6434.1	6421.0	6202.1	6177.8	5942.2	5635.4	5334.3	5167.8	5005.1	4840.5
32.5°	7500.2	7174.7	7204.6	6892.3	6862.4	6478.9	5959.0	5517.6	5281.9	5091.1	4825.5
35°	8770.1	8409.2	8375.5	8029.5	7941.6	7535.7	6843.7	5973.9	5525.1	5179.0	4833.0
37.5°	9690.4	9415.4	9333.1	9017.0	8686.0	8364.3	7569.4	6581.8	6056.2	5547.5	4939.6
40°	10343.1	10047.6	9864.3	9533.3	9271.4	8951.6	8111.8	7101.8	6482.7	5874.8	5167.8
42.5°	10844.4	10567.6	10365.6	10062.6	9795.1	9370.5	8454.1	7268.2	6626.7	6056.2	5190.3
45°	11308.2	11031.4	10814.5	10483.4	10191.6	9823.2	8807.6	7344.9	6611.7	5942.2	5083.7
47.5°	11710.4	11411.1	11102.5	10765.8	10442.3	10092.5	9039.5	7470.2	6535.1	5768.2	4726.4
50°	11886.2	11639.3	11377.4	11035.2	10677.9	10343.1	9194.7	7410.4	6232.1	5399.7	4262.6
52.5°	12235.9	11871.2	11573.8	11227.8	10836.9	10438.5	9168.5	7193.4	5783.2	4840.5	3694.0
55°	12630.6	12307.0	11893.7	11562.6	11072.6	10593.8	9252.7	6935.3	5388.5	4457.1	3275.0
57.5°	12972.9	12611.9	12114.4	11749.6	11164.2	10648.0	9065.7	6611.7	5031.3	4088.6	2917.8
60°	13307.7	12954.2	12394.9	11946.0	11248.4	10616.2	8884.2	6421.0	4773.2	3765.0	2485.7
62.5°	13610.7	13201.0	12456.6	11970.3	11117.5	10483.4	8644.8	6063.7	4324.3	3377.9	2036.8
65°	13801.4	13307.7	12394.9	11863.7	10921.1	10259.0	8246.4	5551.2	3830.5	2822.4	1595.4
67.5°	13801.4	13223.5	12151.8	11600.0	10479.7	9709.1	7500.2	4780.7	3101.1	2210.8	1139.1
69°	13679.9	13032.7	11878.7	11267.1	10092.5	9252.7	6836.2	4206.5	2614.8	1756.3	905.3
70°	13519.0	12858.8	11566.3	10887.4	9742.7	8839.3	6353.6	3841.7	2287.5	1451.4	828.6
72.5°	12387.4	11749.6	10298.2	9613.7	8360.5	7532.0	5179.0	2670.9	1292.4	828.6	669.6
75°	10623.7	10111.2	8603.7	7930.4	6619.2	5882.3	3510.7	1245.7	729.4	630.3	516.2
77.5°	8360.5	7838.7	6550.0	5783.2	4423.4	3712.7	1421.5	665.9	548.0	437.7	342.3
80°	3359.2	3218.9	1982.6	1948.9	1215.7	1079.2	695.8	463.9	372.2	299.3	213.2
82.5°	1101.6	1075.5	905.3	832.3	684.6	649.0	463.9	323.6	243.1	198.3	121.6
85°	159.0	194.5	183.3	183.3	129.1	147.8	110.4	87.9	69.2	56.1	29.9
87.5°	0.0	11.2	7.5	18.7	15.0	22.4	29.9	29.9	7.5	29.9	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: P189824

CATALOG NUMBER: VERD-M-A04-E-U-T3-7030-AP

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°
0°	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4	4337.4
2.5°	4358.0	4361.7	4350.5	4369.2	4376.7	4393.5	4393.5	4408.5	4393.5	4401.0	4457.1
5°	4490.7	4522.5	4505.7	4522.5	4545.0	4545.0	4578.7	4604.8	4589.9	4608.6	4711.5
7.5°	4589.9	4659.1	4636.6	4674.0	4677.8	4711.5	4696.5	4765.7	4737.6	4741.4	4833.0
10°	4692.7	4711.5	4730.2	4741.4	4750.7	4803.1	4773.2	4803.1	4814.3	4814.3	4887.3
12.5°	4718.9	4758.2	4762.0	4795.6	4754.5	4825.5	4788.1	4833.0	4806.8	4803.1	4851.7
15°	4776.9	4780.7	4754.5	4773.2	4765.7	4855.5	4806.8	4840.5	4776.9	4788.1	4821.8
17.5°	4745.1	4750.7	4741.4	4758.2	4730.2	4773.2	4718.9	4750.7	4700.2	4670.3	4666.6
20°	4776.9	4750.7	4681.5	4696.5	4666.6	4689.0	4627.3	4627.3	4560.0	4526.3	4415.9
22.5°	4733.9	4681.5	4627.3	4574.9	4533.8	4530.0	4472.0	4483.3	4365.4	4258.8	4126.0
25°	4715.2	4597.4	4567.4	4453.3	4445.9	4393.5	4279.4	4255.1	4144.7	3985.7	3808.1
27.5°	4741.4	4574.9	4483.3	4369.2	4286.9	4157.8	4081.1	3974.5	3838.0	3662.2	3355.4
30°	4700.2	4545.0	4393.5	4172.8	4103.6	3914.7	3789.4	3654.7	3518.2	3290.0	2910.3
32.5°	4670.3	4430.9	4210.2	3944.6	3834.2	3594.8	3484.5	3267.5	3131.0	2843.0	2364.1
35°	4552.5	4262.6	3997.0	3708.9	3553.7	3290.0	3108.5	2865.4	2674.6	2332.3	1812.4
37.5°	4518.8	4081.1	3819.3	3411.5	3203.9	2887.8	2685.8	2379.1	2188.3	1816.1	1447.7
40°	4552.5	3897.8	3525.6	3061.8	2770.0	2401.5	2143.4	1831.1	1621.6	1344.8	1116.6
42.5°	4505.7	3639.7	3175.9	2575.5	2235.1	1801.2	1528.1	1292.4	1193.3	1021.2	847.3
45°	4275.7	3304.9	2667.1	1945.2	1614.1	1245.7	1060.5	912.7	884.7	794.9	751.9
47.5°	3886.6	2758.8	2139.7	1421.5	1148.4	912.7	843.5	774.3	783.7	751.9	733.2
50°	3415.3	2302.4	1705.8	1116.6	938.9	873.5	813.6	783.7	783.7	748.1	744.4
52.5°	2895.3	1846.1	1348.5	920.2	824.8	783.7	736.9	744.4	703.3	680.8	680.8
55°	2496.9	1520.6	1159.6	851.0	770.6	729.4	740.7	699.5	692.0	669.6	695.8
57.5°	2139.7	1253.1	1002.5	806.1	748.1	699.5	710.7	652.8	665.9	660.2	692.0
60°	1745.1	1049.3	909.0	751.9	695.8	677.1	652.8	630.3	622.8	611.6	673.3
62.5°	1387.8	927.7	828.6	707.0	645.3	615.4	607.9	615.4	604.1	615.4	680.8
65°	1094.2	821.1	763.1	662.1	611.6	615.4	589.2	592.9	611.6	622.8	707.0
67.5°	892.2	699.5	660.2	577.9	551.8	523.7	538.7	563.0	570.5	585.4	710.7
69°	783.7	662.1	592.9	523.7	493.8	493.8	490.0	523.7	548.0	570.5	692.0
70°	718.2	563.0	566.7	478.8	452.6	441.4	475.1	486.3	505.0	563.0	707.0
72.5°	607.9	516.2	508.7	426.4	430.2	417.1	430.2	501.3	475.1	551.8	729.4
75°	452.6	394.6	387.2	349.8	346.0	357.2	372.2	402.1	437.7	493.8	673.3
77.5°	323.6	265.6	295.5	235.7	254.4	228.2	265.6	295.5	331.1	390.9	604.1
80°	213.2	183.3	205.7	151.5	173.9	159.0	202.0	213.2	194.5	273.1	452.6
82.5°	136.5	129.1	132.8	91.6	110.4	99.1	106.6	99.1	125.3	147.8	288.0
85°	33.7	29.9	65.5	52.4	29.9	37.4	41.1	69.2	65.5	69.2	110.4
87.5°	0.0	0.0	26.2	0.0	7.5	0.0	7.5	37.4	29.9	37.4	29.9
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: P189824

CATALOG NUMBER: VERD-M-A04-E-U-T3-7030-AP

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	4337.4	4337.4	4337.4	4337.4
2.5°	4515.1	4574.9	4560.0	4597.4
5°	4773.2	4851.7	4851.7	4902.2
7.5°	4879.8	4962.1	4962.1	5001.4
10°	4943.4	5031.3	5035.0	5083.7
12.5°	4876.0	4947.1	4962.1	5016.3
15°	4795.6	4810.6	4818.1	4855.5
17.5°	4589.9	4604.8	4612.3	4627.3
20°	4354.2	4331.8	4320.5	4346.7
22.5°	4043.7	3978.3	3937.1	3937.1
25°	3613.5	3579.9	3488.2	3473.3
27.5°	3138.5	3067.4	2994.5	2979.5
30°	2633.5	2534.3	2474.5	2500.7
32.5°	2055.5	2025.6	2025.6	2059.3
35°	1642.2	1679.6	1694.6	1717.0
37.5°	1359.8	1443.9	1473.8	1513.1
40°	1053.0	1167.1	1266.2	1329.8
42.5°	873.5	1023.1	1120.3	1148.4
45°	832.3	968.8	1056.8	1064.2
47.5°	824.8	946.4	1038.1	1064.2
50°	828.6	980.1	1060.5	1071.7
52.5°	783.7	912.7	987.6	980.1
55°	821.1	942.7	980.1	980.1
57.5°	836.1	980.1	1071.7	1086.7
60°	869.7	1152.1	1249.4	1253.1
62.5°	972.6	1337.3	1238.2	1193.3
65°	1144.7	1429.0	1266.2	1200.8
67.5°	1060.5	1152.1	1013.7	1002.5
69°	1030.6	1105.4	983.8	950.1
70°	995.0	1082.9	983.8	972.6
72.5°	1006.3	1101.6	858.5	806.1
75°	946.4	1053.0	817.3	744.4
77.5°	895.9	991.3	806.1	736.9
80°	744.4	905.3	798.6	774.3
82.5°	512.5	714.5	692.0	736.9
85°	265.6	445.1	559.2	652.8
87.5°	87.9	177.7	261.9	295.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)