

**LUMARK**



# Decorative High-Bay

Luminaire

**COOPER** Lighting



## AVID Series

### INNOVATION IN AN AESTHETICALLY DESIGNED SERIES

- Airports
- Automobile Dealerships
- Office
- Warehouse Retail
- Corridors
- Restaurants

### LUMARK AVID

By combining an architectural form with superior lighting performance, the AVID series offers a scalable, aesthetically pleasing series of luminaires that satisfies the needs of lighting designers, architects, and building owners. The series is designed with four scaled sizes, enabling one consistent look throughout an application from the general lighting of large open spaces to decorative accents over counters and retail displays. The AVID series offers a variety of optical choices including borosilicate glass lens, prismatic acrylic lens, high performance aluminum reflector and an optional shroud. With a large range of lamping options that include 20-400 watt metal halide, single and multi-lamp compact fluorescent, quartz halogen, and incandescent, the series offers a high performance solution for a wide array of applications.

- Complete optical offering delivers high efficiencies up to 96%
- Multiple mounting configurations and decorative lens options create many different looks
- Cast aluminum construction makes the AVID series durable
- Available in four sizes, the AVID series is ideal for many different applications

<u>SIZE</u>	<u>APPLICATIONS</u>
Mini	Restaurant accent lighting
Small	Office interiors and point of sales areas
Medium	Retail spaces
Large	Automotive dealerships



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# AVID Series

AVID SMALL





### AVID MINI

The AVID series provides superior performance in a wide range of applications. The AVID Small is ideal for office interiors providing general lighting for corridors and in conference rooms. The AVID Mini is an attractive accent fixture that is perfect in a restaurant setting. Open ceiling applications, such as automotive showrooms, need superior foot candle levels on the floor space. The AVID Medium and Large deliver the proper light levels at higher mounting heights while maintaining the aesthetics of the space. The series of products allows lighting designers the flexibility to use one size or a combination of all four sizes to maintain a consistent look. The AVID series delivers the required performance in a sleek contemporary design.



### AVID MEDIUM



# AVID Series

## MINI AND SMALL

Beautiful form in a compact package, the AVID Mini is a perfect fixture over tables in a restaurant or display counters. Available with a wide array of optical choices and mounting options, the AVID Small is ideal for point of sale areas.

### MOUNTING

Cast aluminum top can be specified for pendant or suspension mounting. Pendant mounting comes with 3/8" pipe for the Mini and 1/2" pipe for the Small with internal locking screw assuring security. Suspension mounting has two stainless steel suspension cables with quick adjustment enabling the luminaire to be quickly leveled.

### INTEGRAL BALLAST HOUSING

Integral ballast housing consists of heat dissipating aluminum finned construction allowing thermal transfer from the electrical compartment to the exterior surfaces through convection heat transfer assuring a lasting reliable electrical gear.

### MIDSECTION

Cast aluminum midsection is designed to dissipate the heat energy away from the lamp compartment separating the optical cavity from the integral ballast housing assuring a cool operation.

### OPTICAL SYSTEM

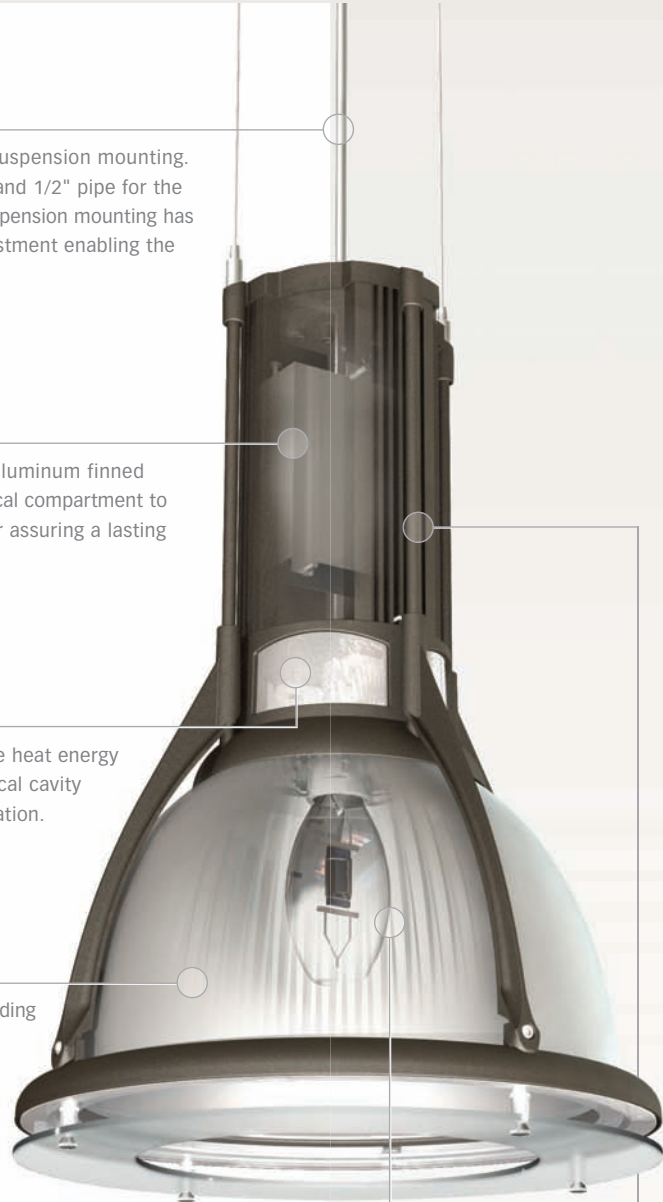
Optical construction is designed to remain flexible providing multiple distributions and optical types. The extensive refractive and reflective optical systems with internal distribution adjustments allow for a wide range of application needs.

### LAMP AND BALLAST SYSTEM

With a vast array of lamps available, the luminaire can be specified with the latest cost effective lighting systems for the application needs.

### FINISH

Housing components are finished in a five-stage cleaning and corrosion pretreatment system and coated and baked with a premium TGIC polyester powder providing superior protection against fading and peeling. Standard colors include white, grey, bronze, black, graphite metallic, and dark platinum. RAL or custom color matches available.

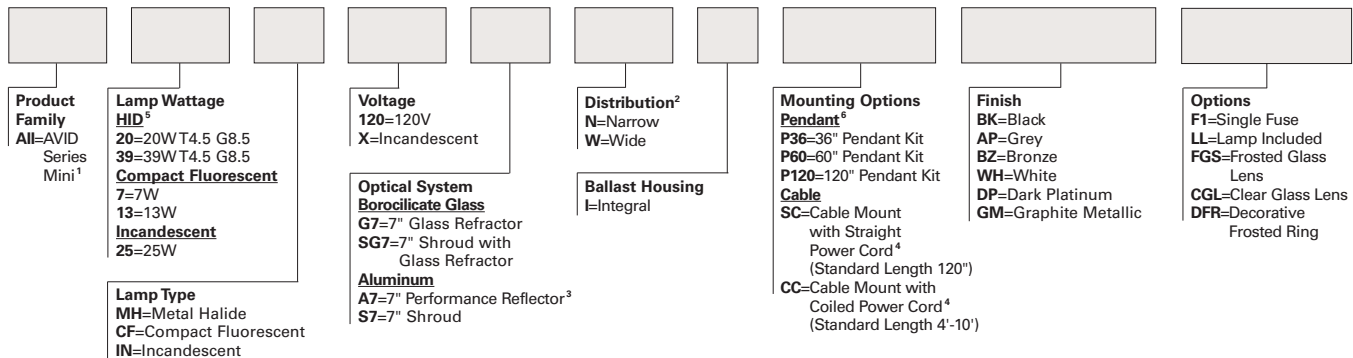




## AVID MINI ORDERING LOGIC

Refer to Cooper Lighting's website for the latest information on the AVID series.

**SAMPLE NUMBER:** AII-39-MH-120-G7-N-I-SC-GM

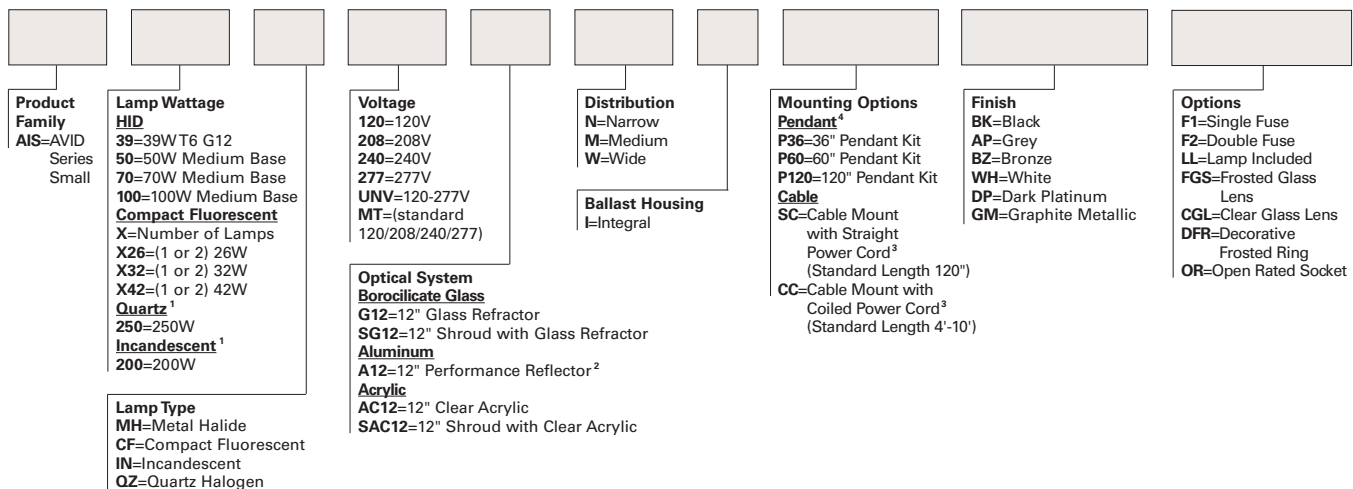


**NOTES:** 1 Avid Series Mini "AII" is 120V only. 2 Mini available only in Narrow and Wide distributions. 3 Shroud comes standard with Performance Reflector. 4 Specify W for white cord, example: SCW. 5 Must specify FGS or CGL. 6 Pendant dimensions refer to the distance from the mounting plane to the bottom of the fixture. 7 Specifications and dimensions subject to change without notice.

## AVID SMALL ORDERING LOGIC

Refer to Cooper Lighting's website for the latest information on the AVID series.

**SAMPLE NUMBER:** AIS-100-MH-120-A12-M-I-SC-GM



**NOTES:** 1 Cannot be used with AC12 Optic. 2 Shroud comes standard with Performance Reflector. 3 Specify W for white cord, example: SCW. 4 Pendant dimension refers to the distance from the mounting plane to the bottom of the fixture. 5 Specifications and dimensions subject to change without notice.







# AVID Series

## MEDIUM AND LARGE

The AVID Medium bridges the gap between the higher and lower mounting heights allowing for a consistent look throughout an entire space. With its combination of lamps and high performance optics the AVID large is perfect for open ceiling applications.

### MOUNTING

Cast aluminum top can be specified for pendant mounting. Pendant mounting comes with a 3/4" or 1/2" pipe with internal locking screw assuring security.

### INTEGRAL BALLAST HOUSING

Integral ballast housing consists of heat dissipating aluminum finned construction allowing thermal transfer from the electrical compartment to the exterior surfaces through convection heat transfer assuring a lasting reliable electrical gear.

### MIDSECTION

Cast aluminum midsection is designed to dissipate the heat energy away from the lamp compartment separating the optical cavity from the integral ballast housing assuring a cool operation.

### OPTICAL SYSTEM

Optics are designed to deliver high fixture efficiencies and the maximum foot candle levels to the floor at mounting heights above 20'. The field adjustable socket bracket has three settings concentrated, medium, and wide which allows the distribution to be optimized for the application.

### LAMP AND BALLAST SYSTEM

Lamps available in a range from 150-400 watts in both standard and pulse start metal halide. High power factor ballast with class H insulation minimum starting temperature is -30°C (-20°F) for MH, and MP.

### FINISH

Housing components are finished in a five-stage cleaning and corrosion pretreatment system and coated and baked with a premium TGIC polyester powder providing superior protection against fading and peeling. Standard colors include white, grey, black, bronze, graphite metallic, and dark platinum. RAL or custom color matches available.

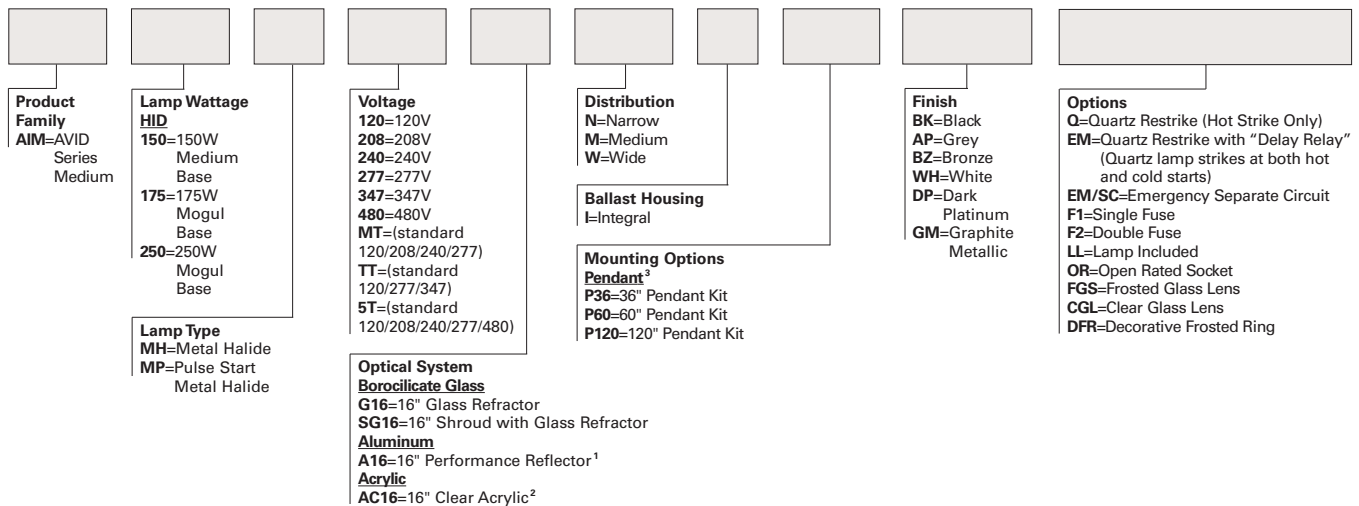




## AVID MEDIUM ORDERING LOGIC

Refer to Cooper Lighting's website for the latest information on the AVID series.

**SAMPLE NUMBER:** AIM-175-MH-MT-AC16-M-I-P36-GM

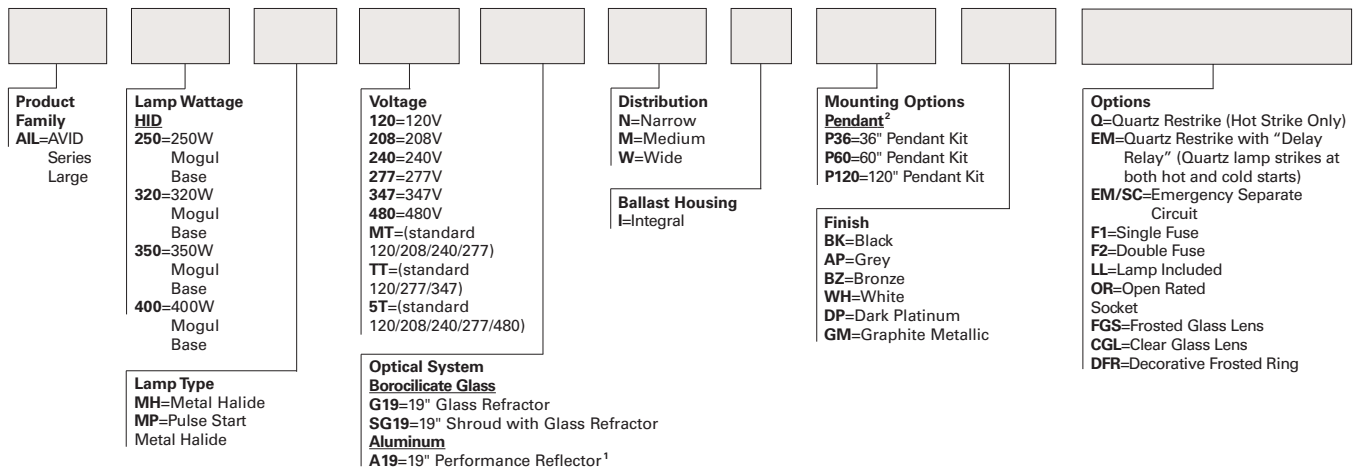


**NOTES:** 1 Shroud comes standard with Performance Reflector. 2 Rated for 25°C ambient environments. 3 Pendant dimension refers to the distance from the mounting plane to the bottom of the fixture.  
4 Specifications and dimensions subject to change without notice.

## AVID LARGE ORDERING LOGIC

Refer to Cooper Lighting's website for the latest information on the AVID series.

**SAMPLE NUMBER:** AIL-400-MH-MT-G19-M I-P36-GM

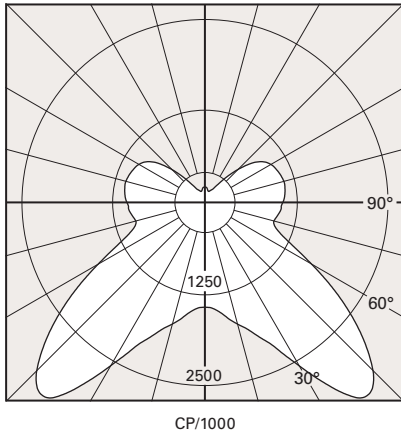


**NOTES:** 1 Shroud comes standard with Performance Reflector. 2 Pendant dimension refers to the distance from the mounting plane to the bottom of the fixture.  
3 Specifications and dimensions subject to change without notice.

# AVID Series

## MEDIUM AND LARGE

### PHOTOMETRICS - MEDIUM

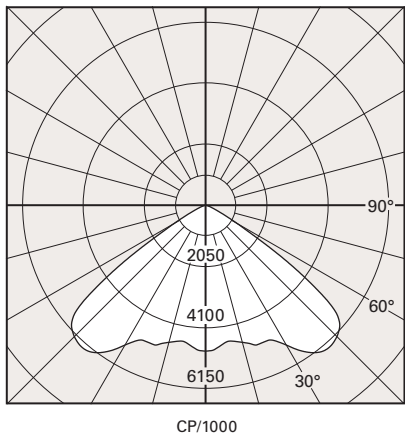


**AIM-250-MH-A16-W**  
250-Watt Coated Metal Halide 16" Performance Reflector, Wide Distribution, 19,800-Lumen Lamps

		Effective floor cavity reflectance																	
		80%				70%				50%		30%		10%		0%			
rc		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
<b>RCR</b>																			
1		83	79	74	70	78	74	70	67	66	63	60	58	56	54	51	49	48	44
2		75	67	61	56	70	64	58	53	56	52	48	50	46	43	44	41	38	35
3		68	58	51	45	63	55	49	43	49	44	39	43	39	35	38	35	32	29
4		62	51	43	38	58	48	41	36	43	37	33	38	33	30	33	29	26	24
5		56	45	37	32	53	43	35	30	38	32	28	33	29	25	29	25	22	20
6		51	40	32	27	48	38	31	26	34	28	23	30	25	21	26	22	19	17
7		47	36	28	23	44	34	27	22	30	24	20	27	22	18	24	20	16	14
8		44	32	25	20	41	31	24	19	27	22	18	24	19	16	21	17	14	12
9		41	29	22	17	38	28	21	17	25	19	15	22	17	14	19	15	13	11
10		38	27	20	15	35	25	19	15	23	17	14	20	16	12	18	14	11	9

Spacing Criterion 2.1			
Zone	%Lamp	Zone	%Lamp
0-30	8.3	0-90	58.0
0-40	18.1	90-180	25.8
0-60	40.6	Total	83.8

Candlepower	
Degree	CP
0	1422
5	1454
15	1711
25	2125
35	3104
45	3233
55	2228
65	1251
75	972
85	1041
90	1058
95	1090
105	1112
115	1070
125	967
135	633
145	286
155	181

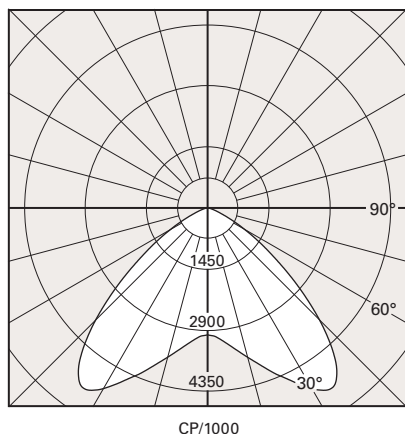


**AIM-250-MH-G16-W**  
250-Watt Clear Metal Halide 16" Glass Refractor, Wide Distribution, 20,500-Lumen Lamps

		Effective floor cavity reflectance																	
		80%				70%				50%		30%		10%		0%			
rc		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
<b>RCR</b>																			
1		89	86	84	81	87	85	82	80	81	79	77	78	76	75	75	74	73	71
2		82	77	72	68	80	75	71	67	72	69	66	70	67	64	68	65	63	61
3		76	68	62	58	74	67	61	57	65	60	56	62	58	55	60	57	54	53
4		69	61	54	49	68	60	53	49	58	52	48	56	51	48	54	50	47	45
5		64	54	47	42	62	53	47	42	51	46	42	50	45	41	48	44	41	39
6		59	48	42	37	57	48	41	36	46	40	36	45	40	36	44	39	36	34
7		54	44	37	32	53	43	36	32	42	36	32	41	35	31	40	35	31	30
8		50	39	33	28	49	39	33	28	38	32	28	37	32	28	36	31	28	26
9		47	36	29	25	45	35	29	25	35	29	25	34	28	25	33	28	25	23
10		43	33	27	22	42	32	26	22	32	26	22	31	26	22	30	25	22	21

Spacing Criterion 1.8			
Zone	%Lamp	Zone	%Lamp
0-30	20.2	0-90	80.6
0-40	38.6	90-180	0.0
0-60	77.3	Total	80.6

Candlepower	
Degree	CP
0	4889
5	4782
15	4754
25	4992
35	6016
45	6228
55	3570
65	477
75	116
85	28
90	0



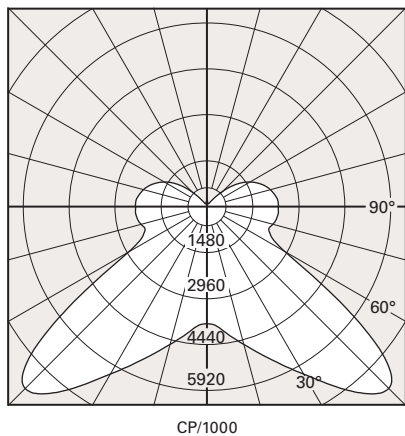
**AIM-250-MH-SG16-M**  
250-Watt Coated Metal Halide 16" Glass Refractor with Shroud, Medium Distribution, 19,800-Lumen Lamps

		Effective floor cavity reflectance																	
		80%				70%				50%		30%		10%		0%			
rc		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
<b>RCR</b>																			
1		66	64	62	60	65	63	61	59	60	59	57	58	57	56	56	55	54	53
2		61	57	54	51	60	56	53	50	54	51	49	52	50	48	50	49	47	46
3		56	51	47	43	55	50	46	43	48	45	42	47	44	42	45	43	41	40
4		52	46	41	37	51	45	40	37	43	40	37	42	39	36	41	38	36	34
5		48	41	36	32	47	40	36	32	39	35	32	38	34	32	37	34	31	30
6		44	37	32	28	43	36	32	28	35	31	28	34	31	28	33	30	28	26
7		41	33	28	25	40	33	28	25	32	28	25	31	27	25	30	27	24	23
8		38	30	26	22	37	30	25	22	29	25	22	28	25	22	28	24	22	21
9		35	28	23	20	35	27	23	20	27	23	20	26	22	20	25	22	19	18
10		33	25	21	18	32	25	21	18	25	21	18	24	20	18	23	20	18	17

Spacing Criterion 1.7			
Zone	%Lamp	Zone	%Lamp
0-30	17.4	0-90	59.8
0-40	33.5	90-180	0.0
0-60	56.0	Total	59.8

Candlepower	
Degree	CP
0	3009
5	3105
15	3661
25	4470
35	5189
45	3767
55	1730
65	541
75	135
85	40
90	0

PHOTOMETRICS – LARGE



CP/1000  
**AIL-400-MH-G19-W**  
 400-Watt Metal Halide 19" Glass Refractor,  
 Wide Distribution, 35,000-Lumen Lamps

**Coefficients Of Utilization**

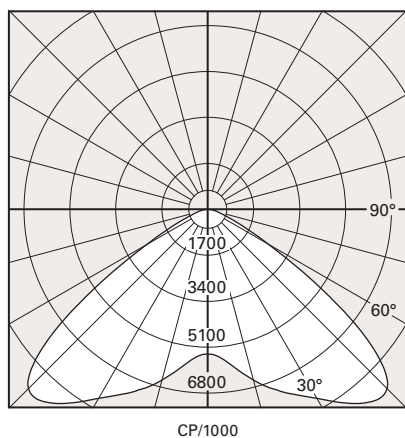
rc	Effective floor cavity reflectance																												
	80%				70%				50%				30%				10%				0%								
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
<b>RCR</b>																													
1	97	92	87	83	92	87	83	79	79	76	73	72	69	66	64	62	61	57											
2	88	80	73	67	83	76	70	65	69	64	60	62	58	55	56	53	50	47											
3	80	70	62	55	76	67	59	53	60	54	50	55	50	46	49	46	42	39											
4	73	62	53	47	69	59	51	45	54	47	42	49	43	39	44	40	36	33											
5	67	55	46	40	63	52	44	38	48	41	36	43	38	33	39	35	31	28											
6	61	48	40	33	58	46	38	32	42	35	30	38	33	28	35	30	26	24											
7	56	42	34	28	53	41	33	27	37	30	25	34	28	24	31	26	22	20											
8	51	38	29	24	48	36	28	23	33	26	21	30	24	20	27	22	19	16											
9	47	34	26	20	44	32	25	19	29	23	18	27	21	17	24	19	16	14											
10	43	30	22	17	41	29	21	16	26	20	15	24	18	14	22	17	13	11											

**Candlepower**

Degree	CP
0	3782
5	3875
15	4588
25	5586
35	7025
45	8277
55	4959
65	2289
75	2192
85	2306
90	2302
95	2290
105	2112
115	1799
125	1331
135	653
145	181
155	102

**Spacing Criterion 2.4**

Zone	%Lamp	Zone	%Lamp
0-30	11.9	0-90	72.9
0-40	24.0	90-180	22.9
0-60	53.0	Total	95.8



CP/1000  
**AIL-400-MH-SG19-W**  
 400-Watt Metal Halide 19" Glass Refractor with  
 Shroud, Wide Distribution, 35,000-Lumen Lamps

**Coefficients Of Utilization**

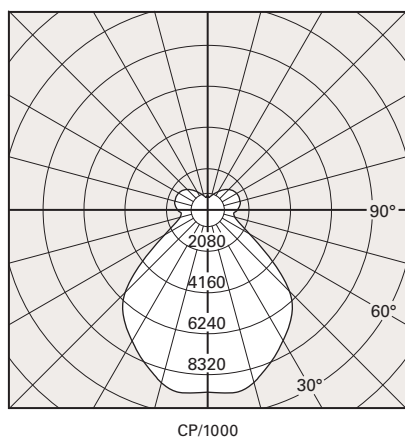
rc	Effective floor cavity reflectance																												
	80%				70%				50%				30%				10%				0%								
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
<b>RCR</b>																													
1	79	76	73	71	77	74	72	70	71	70	68	69	67	66	66	65	64	63											
2	73	68	64	61	71	67	63	60	65	62	59	62	60	58	60	58	56	55											
3	67	61	56	52	66	60	55	52	58	54	51	56	53	50	54	51	49	48											
4	62	55	49	45	61	54	49	45	52	48	44	50	47	44	49	46	43	42											
5	57	49	43	39	56	48	43	39	47	42	38	45	41	38	44	40	37	36											
6	52	43	37	33	51	43	37	33	41	36	33	40	36	32	39	35	32	31											
7	47	38	32	28	46	37	32	28	36	31	27	35	31	27	34	30	27	26											
8	43	34	28	24	42	33	28	24	32	27	23	31	27	23	31	26	23	22											
9	40	30	24	20	39	29	24	20	29	24	20	28	23	20	27	23	20	18											
10	36	27	21	17	35	26	21	17	25	20	17	25	20	17	24	20	17	15											

**Candlepower**

Degree	CP
0	5376
5	5523
15	6552
25	7566
35	8748
45	9390
55	5157
65	1333
75	412
85	68
90	0
95	0
105	0
115	0
125	2
135	5
145	5
155	8

**Spacing Criterion 2.2**

Zone	%Lamp	Zone	%Lamp
0-30	16.8	0-90	70.7
0-40	32.3	90-180	0.0
0-60	65.3	Total	70.7



CP/1000  
**AIL-400-MH-G19-N**  
 400-Watt Metal Halide 19" Glass Refractor,  
 Narrow Distribution, 35,000-Lumen Lamps

**Coefficients Of Utilization**

rc	Effective floor cavity reflectance																												
	80%				70%				50%				30%				10%				0%								
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
<b>RCR</b>																													
1	81	77	74	70	77	74	71	68	68	65	63	62	61	59	57	56	55	52											
2	74	68	63	59	71	66	61	57	61	57	54	56	53	51	52	49	47	45											
3	69	61	56	51	66	59	54	50	55	50	47	51	47	44	47	44	42	40											
4	64	56	50	45	61	54	48	44	50	45	42	47	43	40	43	40	38	36											
5	59	50	44	40	57	49	43	39	46	41	37	43	39	35	40	36	34	32											
6	55	46	40	35	53	44	39	35	42	37	33	39	35	32	37	33	30	29											
7	51	42	36	31	49	40	35	31	38	33	30	36	32	28	34	30	27	26											
8	48	38	32	28	46	37	31	28	35	30	27	33	29	26	31	27	25	23											
9	44	35	29	25	43	34	28	25	32	27	24	30	26	23	28	25	22	21											
10	41	32	26	22	40	31	26	22	29	25	21	28	23	21	26	22	20	18											

**Candlepower**

Degree	CP
0	9728
5	9807
15	9454
25	8419
35	7345
45	5115
55	1798
65	1520
75	1628
85	1664
90	1621
95	1584
105	1445
115	1188
125	739
135	263
145	122
155	108

**Spacing Criterion 1.2**

Zone	%Lamp	Zone	%Lamp
0-30	21.2	0-90	63.0
0-40	33.9	90-180	14.5
0-60	49.4	Total	77.5

# Product Matrix

## AVID Series

- Optics
- Lenses
- Mounting Options
- Dimensions

### OPTICS



PERFORMANCE REFLECTOR  
Mini, Small, Medium and Large



BOROSILICATE GLASS  
Mini, Small, Medium and Large

### LENSES



CLEAR GLASS LENS (CGL)  
Mini, Small, Medium and Large

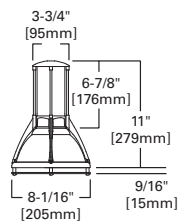


DECORATIVE FROSTED RING (DFR)  
Mini, Small, Medium and Large

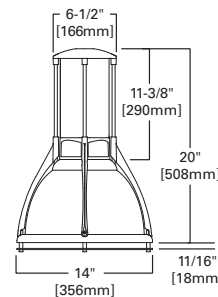


FROSTED GLASS LENS (FGS)  
Mini, Small, Medium and Large

### DIMENSIONS



MINI



SMALL



SHROUD\*  
Mini, Small, Medium and Large  
\*Standard with Performance Reflector Optional with Glass



ACRYLIC  
Small and Medium

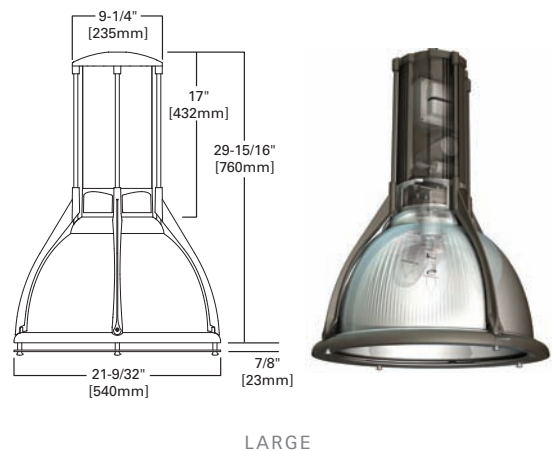
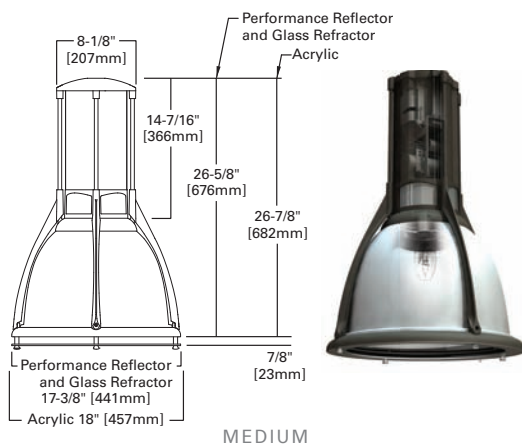
MOUNTING OPTIONS



PENDANT  
Mini 3/8", Small 1/2",  
Medium 1/2" and 3/4", Large 1/2" and 3/4"



CABLE MOUNT  
Mini and Small  
Straight Cable and Coiled Cable Options



**Cooper Lighting**

Customer First Center  
1121 Highway 74 South  
Peachtree City, GA 30269

P: 770-486-4800  
F: 770-486-4801

[www.cooperlighting.com](http://www.cooperlighting.com)

**International Sales, USA**

Cooper Lighting  
1121 Highway 74 South  
Peachtree City, GA 30269

P: 770-486-4800  
F: 770-486-4801

**Canada**

Cooper Lighting  
5925 McLaughlin Road  
Mississauga, Ontario L5R 1B8

P: 905-507-4000  
F: 905-568-7049

**The Cooper Lighting Family**

Halo  
Metalux  
**Lumark**  
Sure-Lites  
Neo-Ray  
Corelite  
Portfolio  
Iris  
Shaper  
io  
Lumière  
Invue  
McGraw-Edison  
Streetworks  
Fail-Safe  
MWS  
DLS  
RSA  
Ametrix

**Domestic Facilities**

Cranbury, New Jersey  
Elk Grove Village, Illinois  
Irving, Texas  
Ontario, California  
Peachtree City, Georgia

**Canadian Facility**

Calgary, Alberta T2E 7V9

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**Cooper Industries, Ltd.**  
600 Travis, Ste. 5800  
Houston, TX 77002-1001  
P: 713-209-8400  
[www.cooperindustries.com](http://www.cooperindustries.com)