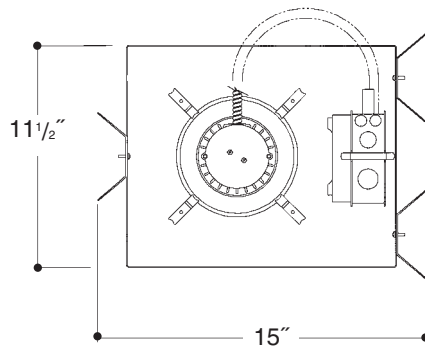


Architectural Grade

Job Name _____

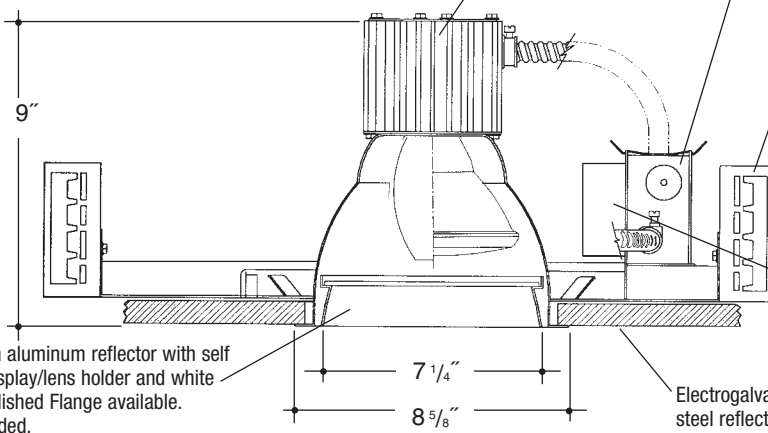
Type _____



8" LENSED HID

Extruded aluminum heat sink socket cup with spring steel snap-in clips for fast assembly. *UL Listed* "enclosed rated" pulse rated, 4KV, medium base porcelain socket, with nickel plated brass screw shell.

Heavy gauge electrogalvanized steel junction box, prewired and grounded with easy access from below. Listed for through branch circuit wiring. Thermal cutout provided.



Adjustable height electrogalvanized plated steel mounting ears with cutouts for various mounting methods. Standard bars (included) are innovative and incorporate rigid formed cross sections, joist positioning tabs, integral nails, auxiliary nailholes, T-Bar slots and holes for locking bars to T-Bar using #8 self-tapping screws (by others). Bars extend 14"-24". Ears will also accept Caddy Bar #520 for fast installation in T-Bar ceilings, bars extend 27".

Electronic ballast factory standard. *UL Listed* component.

Heavy gauge spun aluminum reflector with self trimming flanged splay/lens holder and white painted flange. Polished Flange available. Safety chain provided.

Electrogalvanized plated steel frame components with spring steel reflector clips for fast assembly of reflector.

Rough in Kit – 8" HID (ED17; PAR 20; PAR30; PAR38 Enclosed Rated* lamp). *Note: 'Enclosed Fixture Rated' lamp must be used.

Catalog Number **A8MHE**

A8MHE	Wattage	Ballast	Voltage	Options
150W MAX. PAR38, ED17		H◆	1	QS
100W PAR38, ED17		E	2	QR
70W PAR30, PAR38, ED17			3*	PR
50W PAR30, ED17			4	R
39W PAR20, PAR30				F
35W ED17				

Ballast	
H◆	Encased and Potted "F" Can
E	Electronic
Voltage	
1	120 Volts
2	277 Volts
3*	347 Volts
4	208 Volts
Options ▲	
QS	Quartz Socket
QR	Quartz Restrike
PR	Plaster Ring
R	Remodeler
F	Fused

PAR Lamp – Replace **A8MHE** with **PA8MHE**

HPS – Replace **A8MHE** with **A8HPSE**

* – 347V frame size - 14 1/2" x 17 3/4"

◆ – "F" Can Ballast available only in 150W: frame size – 16 3/4" x 17 3/4"

Finishing Kit – 8" HID Lensed Reflector - clear reflector standard with White Splay and self trim flange.

Catalog Number **84**

84	Lens	Finish	Options
8411 - Tempered Clear Lens		SCL	PF
8414 - Tempered Prismatic Lens (C73 Pattern)		SGO	DGSK
8416 - Fresnel Lens		WHT	

Finish (Factory Standard)

SCL	Specular Clear "Alzak" Splay with White Flange
SGO	Specular Gold "Alzak" Splay with White Flange
WHT	White Splay with White Flange

Options ▲

PF	High Polished Flange
DGSK	Neoprene Foam Double Gasketing

Features

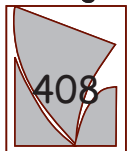
Manufactured and Listed to UL 1598, ETL and CSA standards. Suitable for Damp Locations Wet location under covered ceiling



▲ See Options and Finishes pages for a list of additional finishes and equipment.

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

Vantage



76 Community Avenue Plainfield, CT 06374
 voice (860)564.4512 fax (860)564.4854
 www.vantageitg.com

03/10

Luminaires

Photometric Information

Product Number: A8MHE50H/8414SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with prismatic glass lens and white splay
LTL Test Number: 07050
Lamp(s) Source: (1) 50W coated ED17 Metal Halide rated at 3400 lumens
Total Luminaire Efficiency: 49.1%
CIE Type: Direct
Luminaire Spacing Criterion: 0.8
Luminous Diameter: 7.250

Zonal Lumen Summary

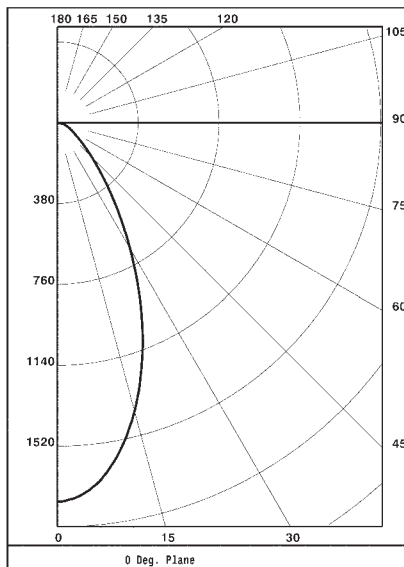
ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	975	28.7	58.4
0- 40	1280	37.6	76.7
0- 60	1561	45.9	93.5
0- 90	1669	49.1	100.0
90-180	0	0.0	0.0
0-180	1669	49.1	100.0

Cone of Light

Ft. Below	Fc Nadir	Dia @50%
6.0	49.5	4.7
8.0	27.8	6.3
10.0	17.8	7.8
12.0	12.4	9.4
14.0	9.1	11.0
16.0	7.0	12.5

Coefficients of Utilization

RC	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
0	58	58	58	58	57	57	57	57	55	55	55	52	52	52	50	50	50	49								
1	55	54	53	51	54	53	52	51	51	50	49	49	48	48	47	47	46	45								
2	53	50	48	46	51	49	47	46	48	46	45	46	45	44	45	44	43	42								
3	50	47	44	42	49	46	44	42	45	43	41	43	42	40	42	41	40	39								
4	47	44	41	39	46	43	40	38	42	40	38	41	39	37	40	38	37	36								
5	45	41	38	36	44	40	37	35	39	37	35	38	36	35	38	36	34	34								
6	43	38	35	33	42	38	35	33	37	35	33	36	34	32	36	34	32	32								
7	40	36	33	31	40	35	33	30	35	32	30	34	32	30	34	32	30	29								
8	38	34	31	29	38	33	30	28	33	30	28	32	30	28	32	30	28	27								
9	36	32	29	27	36	31	28	27	31	28	26	30	28	26	30	28	26	26								
10	35	30	27	25	34	30	27	25	29	27	25	29	26	25	28	26	25	24								



Product Number: A8MHE70H/8414SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with prismatic glass lens and white splay
LTL Test Number: 07052
Lamp(s) Source: (1) 70W ED17 coated Metal Halide rated at 5800 lumens
Total Luminaire Efficiency: 49.2%
CIE Type: Direct
Luminaire Spacing Criterion: 0.8
Luminous Diameter: 7.250

Zonal Lumen Summary

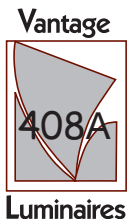
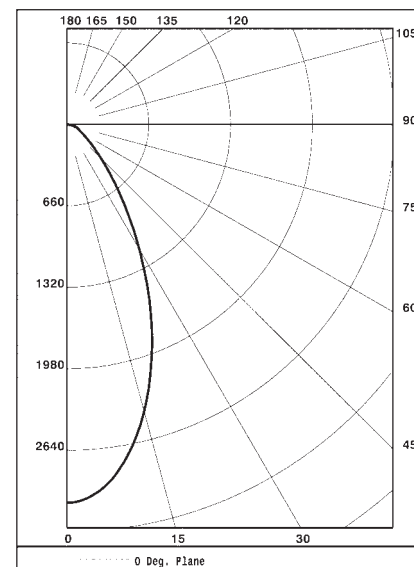
ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	1669	28.8	58.5
0- 40	2189	37.7	76.8
0- 60	2665	45.9	93.4
0- 90	2852	49.2	100.0
90-180	0	0.0	0.0
0-180	2852	49.2	100.0

Cone of Light

Ft. Below	Fc Nadir	Dia @50%
6.0	85.1	4.7
8.0	47.9	6.2
10.0	30.6	7.8
12.0	21.3	9.3
14.0	15.6	10.9
16.0	12.0	12.5

Coefficients of Utilization

RC	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
0	59	59	59	59	57	57	57	57	55	55	55	52	52	52	50	50	50	49								
1	56	54	53	52	54	53	52	51	51	50	49	49	48	48	47	47	46	45								
2	53	50	48	46	52	49	47	46	48	46	45	46	45	44	45	44	43	42								
3	50	47	44	42	49	46	44	42	45	43	41	43	42	40	42	41	40	39								
4	47	44	41	39	47	43	40	38	42	40	38	41	39	38	40	38	37	36								
5	45	41	38	36	44	40	38	35	39	37	35	39	36	35	38	36	35	34								
6	43	38	35	33	42	38	35	33	37	35	33	36	34	33	36	34	32	32								
7	40	36	33	31	40	35	33	31	35	32	30	34	32	30	34	32	30	29								
8	38	34	31	29	38	33	31	29	33	30	28	32	30	28	32	30	28	28								
9	37	32	29	27	36	31	29	27	31	28	27	30	28	26	30	28	26	26								
10	35	30	27	25	34	30	27	25	29	27	25	29	26	25	28	26	25	24								



Photometric Information

Product Number: A8MHE70H/8416SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 06257
Lamp(s) Source: (1) 70W ED17 clear Metal Halide rated at 5000 lumens
Total Luminaire Efficiency: 48.4%
CIE Type: Direct
Luminaire Spacing Criterion: 0.2
Luminous Diameter: 7.375

Zonal Lumen Summary

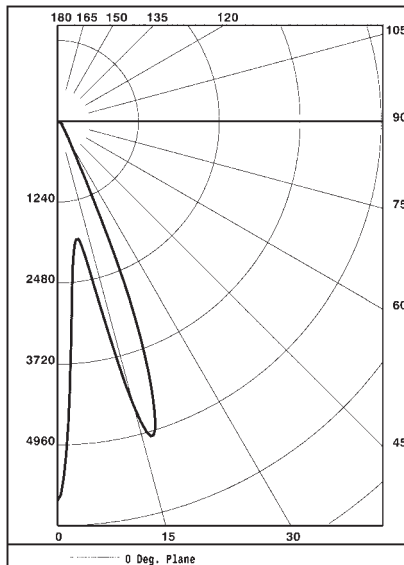
ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	2070	41.4	85.5
0- 40	2221	44.4	91.7
0- 60	2382	47.6	98.4
0- 90	2421	48.4	100.0
90-180	0	0.0	0.0
0-180	2421	48.4	100.0

Cone of Light

Ft. Below	Fc Nadir	Dia @50%
6.0	161.5	0.9
8.0	90.8	1.2
10.0	58.1	1.6
12.0	40.4	1.9
14.0	29.7	2.2
16.0	22.7	2.5

Coefficients of Utilization

RC	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	0
0	58	58	58	58	56	56	56	56	54	54	54	52	52	52	49	49	49	48	48	48	48
1	56	54	53	53	54	53	53	52	52	51	50	50	49	49	48	48	47	46	46	46	46
2	54	52	50	49	53	51	50	48	49	48	47	48	47	46	47	46	45	45	45	45	45
3	52	50	48	46	51	49	47	46	48	46	45	47	45	44	46	45	44	43	43	43	43
4	50	47	45	44	49	47	45	44	46	44	43	45	44	43	44	43	42	42	42	42	42
5	48	45	43	42	48	45	43	41	44	42	41	43	42	41	43	41	40	40	40	40	40
6	47	44	42	40	46	43	41	40	43	41	40	42	41	39	42	40	39	39	39	39	39
7	45	42	40	38	45	42	40	38	41	39	38	41	39	38	40	39	38	37	37	37	37
8	44	40	38	37	43	40	38	37	40	38	36	39	38	36	39	37	36	36	36	36	36
9	42	39	37	35	42	39	37	35	38	36	35	38	36	35	38	36	35	34	34	34	34
10	41	38	35	34	41	37	35	34	37	35	34	37	35	34	36	35	34	33	33	33	33



Product Number: A8MHE100H/8414SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with prismatic glass lens and specular clear "Alzak" splay
LTL Test Number: 06259
Lamp(s) Source: (1) 100W ED17 clear Metal Halide rated at 7800 lumens
Total Luminaire Efficiency: 38.6%
CIE Type: Direct
Luminaire Spacing Criterion: 0.6
Luminous Diameter: 7.375

Zonal Lumen Summary

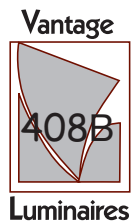
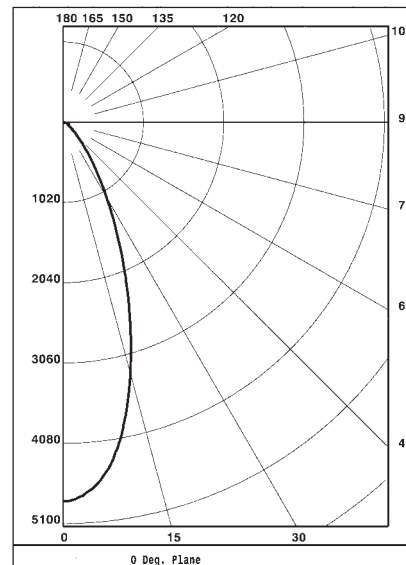
ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	2121	27.2	70.3
0- 40	2569	32.9	85.2
0- 60	2897	37.1	96.1
0- 90	3014	38.6	100.0
90-180	0	0.0	0.0
0-180	3014	38.6	100.0

Cone of Light

Ft. Below	Fc Nadir	Dia @50%
6.0	133.8	3.9
8.0	75.3	5.2
10.0	48.2	6.5
12.0	33.4	7.8
14.0	24.6	9.0
16.0	18.8	10.3

Coefficients of Utilization

RC	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	0
0	46	46	46	46	45	45	45	45	43	43	43	41	41	41	39	39	39	39	39	39	39
1	44	43	42	41	43	42	41	41	41	40	39	39	39	38	38	38	37	36	36	36	36
2	42	40	39	38	41	40	38	37	39	37	37	37	37	36	36	35	34	34	34	34	34
3	40	38	36	35	40	38	36	35	37	35	34	36	35	34	35	34	33	33	33	33	33
4	39	36	34	33	38	36	34	33	35	33	32	34	33	32	33	32	32	32	32	32	32
5	37	34	32	31	36	34	32	31	33	32	30	33	31	30	32	31	30	29	29	29	29
6	36	33	31	29	35	32	30	29	32	30	29	31	30	29	31	29	28	28	28	28	28
7	34	31	29	27	34	31	29	27	30	28	27	30	28	27	29	28	27	26	26	26	26
8	33	29	27	26	32	29	27	26	29	27	26	28	27	26	28	27	26	25	25	25	25
9	31	28	26	25	31	28	26	25	27	26	24	27	26	24	27	25	24	24	24	24	24
10	30	27	25	23	30	27	25	23	26	25	23	26	24	23	26	24	23	23	23	23	23



Photometric Information

Product Number: A8MHE100H/8416SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 06260
Lamp(s) Source: (1) 100W ED17 clear Metal Halide rated at 7800 lumens
Total Luminaire Efficiency: 38.7%
CIE Type: Direct
Luminaire Spacing Criterion: 0.2
Luminous Diameter: 7.375

Zonal Lumen Summary

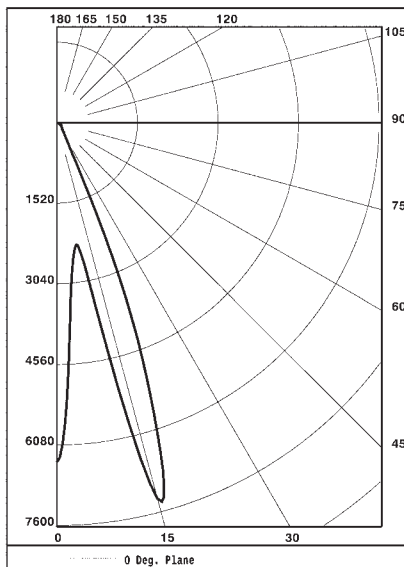
ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	2581	33.1	85.5
0- 40	2726	35.0	90.3
0- 60	2915	37.4	96.5
0- 90	3020	38.7	100.0
90-180	0	0.0	0.0
0-180	3020	38.7	100.0

Cone of Light

Ft. Below	Fc Nadir	Dia @50%
6.0	177.9	1.0
8.0	100.1	1.3
10.0	64.1	1.7
12.0	44.5	2.0
14.0	32.7	2.4
16.0	25.0	2.7

Coefficients of Utilization

RC	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	0
0	46	46	46	46	45	45	45	45	43	43	43	41	41	41	40	40	40	39	38	38	37
1	44	43	43	42	43	43	42	41	41	41	40	40	39	39	38	38	37	37	37	36	36
2	43	41	40	39	42	41	39	38	39	38	38	38	37	37	37	36	36	36	35	35	34
3	41	39	38	37	41	39	38	36	38	37	36	37	36	35	36	35	35	34	34	33	33
4	40	38	36	35	39	37	36	35	37	35	34	36	35	34	35	34	33	33	33	32	32
5	39	36	34	33	38	36	34	33	35	34	33	35	33	32	34	33	32	32	31	31	31
6	37	35	33	32	37	35	33	32	34	33	32	34	32	31	33	32	31	31	30	30	29
7	36	34	32	31	36	33	32	30	33	31	30	32	31	30	32	31	30	30	29	29	28
8	35	32	31	29	35	32	31	29	32	30	29	31	30	29	31	30	29	29	28	28	27
9	34	31	30	28	34	31	29	28	31	29	28	30	29	28	30	29	28	28	27	27	26
10	33	30	29	27	33	30	29	27	30	28	27	30	28	27	29	28	27	27	26	26	25



Product Number: A8MHE150H/8414SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with prismatic glass lens and specular clear "Alzak" splay
LTL Test Number: 06262
Lamp(s) Source: (1) 150W ED17 clear Metal Halide rated at 11,500 lumens
Total Luminaire Efficiency: 30.5%
CIE Type: Direct
Luminaire Spacing Criterion: 0.7
Luminous Diameter: 7.375

Zonal Lumen Summary

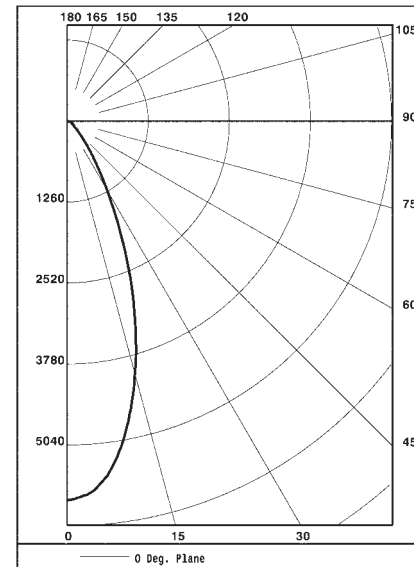
ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	2583	22.5	73.7
0- 40	3060	26.6	87.4
0- 60	3383	29.4	96.6
0- 90	3502	30.5	100.0
90-180	0	0.0	0.0
0-180	3502	30.5	100.0

Cone of Light

Ft. Below	Fc Nadir	Dia @50%
6.0	163.8	3.9
8.0	92.1	5.2
10.0	59.0	6.5
12.0	41.0	7.8
14.0	30.1	9.1
16.0	23.0	10.4

Coefficients of Utilization

RC	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	0
0	36	36	36	36	35	35	35	35	34	34	34	32	32	32	31	31	31	31	31	31	30
1	35	34	33	33	34	33	33	32	32	32	31	31	31	30	30	30	29	29	29	29	29
2	33	32	31	30	33	32	31	30	31	30	29	30	29	28	29	28	28	28	28	28	27
3	32	30	29	28	31	30	29	28	29	28	27	28	28	27	28	27	26	26	26	26	26
4	31	29	27	26	30	28	27	26	28	27	26	27	26	26	27	26	25	25	25	25	25
5	29	27	26	25	29	27	26	25	27	25	24	26	25	24	26	25	24	24	24	24	24
6	28	26	25	23	28	26	24	23	25	24	23	25	24	23	25	24	23	23	23	23	23
7	27	25	23	22	27	25	23	22	24	23	22	24	23	22	24	23	22	22	22	22	21
8	26	24	22	21	26	24	22	21	23	22	21	23	22	21	23	22	21	21	21	21	21
9	25	23	21	20	25	23	21	20	22	21	20	22	21	20	22	21	20	20	20	20	20
10	24	22	20	19	24	22	20	19	21	20	19	21	20	19	21	20	19	19	19	19	19



Photometric Information

Product Number: A8MHE150H/8416SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 06263
Lamp(s) Source: (1) 150W ED17 clear Metal Halide rated at 11,500 lumens
Total Luminaire Efficiency: 29.7%
CIE Type: Direct
Luminaire Spacing Criterion: 0.2
Luminous Diameter: 7.375

Zonal Lumen Summary

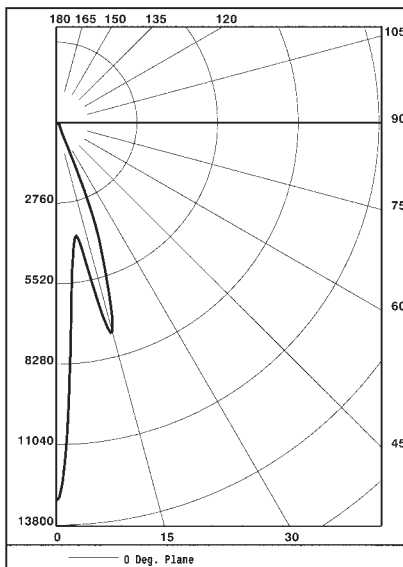
ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	2831	24.6	83.0
0- 40	3002	26.1	88.0
0- 60	3263	28.4	95.6
0- 90	3413	29.7	100.0
90-180	0	0.0	0.0
0-180	3413	29.7	100.0

Cone of Light

Ft. Below	Fc Nadir	Dia @50%
6.0	360.4	1.0
8.0	202.7	1.3
10.0	129.8	1.6
12.0	90.1	1.9
14.0	66.2	2.3
16.0	50.7	2.6

Coefficients of Utilization

RC	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	0
0	35	35	35	35	35	35	35	35	33	33	33	32	32	32	30	30	30	30	30	30	30
1	34	33	33	32	33	33	32	32	31	31	31	30	30	30	29	29	29	28	28	28	28
2	33	31	30	30	32	31	30	29	30	29	29	29	29	28	28	28	27	27	27	27	27
3	32	30	29	28	31	30	29	28	29	28	27	28	27	27	28	27	26	26	26	26	26
4	30	29	27	26	30	28	27	26	28	27	26	27	26	26	27	26	25	25	25	25	25
5	29	27	26	25	29	27	26	25	27	26	25	26	25	25	26	25	24	24	24	24	24
6	29	27	25	24	28	26	25	24	26	25	24	26	25	24	25	24	24	23	23	23	23
7	28	26	24	23	27	25	24	23	25	24	23	25	24	23	24	23	23	22	22	22	22
8	27	25	23	22	26	24	23	22	24	23	22	24	23	22	24	23	22	22	22	22	22
9	26	24	23	22	26	24	22	22	23	22	22	23	22	22	23	22	21	21	21	21	21
10	25	23	22	21	25	23	22	21	23	22	21	23	22	21	22	22	21	21	21	21	21



Product Number: A8MHE175H/8414SCL/SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with prismatic glass lens and specular clear "Alzak" splay
LTL Test Number: 06265
Lamp(s) Source: (1) 175W ED17 clear Metal Halide rated at 14,000 lumens
Total Luminaire Efficiency: 37.0%
CIE Type: Direct
Luminaire Spacing Criterion: 0.6
Luminous Diameter: 7.375

Zonal Lumen Summary

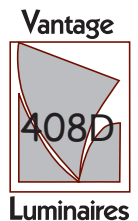
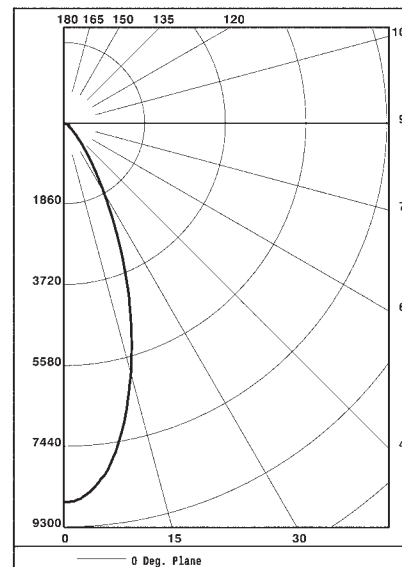
ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	3798	27.1	73.4
0- 40	4503	32.2	87.0
0- 60	4980	35.6	96.2
0- 90	5176	37.0	100.0
90-180	0	0.0	0.0
0-180	5176	37.0	100.0

Cone of Light

Ft. Below	Fc Nadir	Dia @50%
6.0	242.6	3.9
8.0	136.5	5.2
10.0	87.3	6.5
12.0	60.7	7.8
14.0	44.6	9.1
16.0	34.1	10.3

Coefficients of Utilization

RC	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	0
0	44	44	44	44	43	43	43	43	41	41	41	39	39	39	38	38	38	37	37	37	37
1	42	41	40	40	41	40	40	39	39	38	38	38	37	37	36	36	36	35	35	35	35
2	40	39	38	36	40	38	37	36	37	36	35	36	35	34	35	34	34	33	33	33	33
3	39	37	35	34	38	36	35	34	35	34	33	34	33	33	34	33	32	32	32	32	32
4	37	35	33	32	37	34	33	32	34	32	31	33	32	31	32	31	31	30	30	30	30
5	36	33	31	30	35	33	31	30	32	31	30	32	30	29	31	30	29	29	29	29	29
6	34	32	30	28	34	31	30	28	31	29	28	30	29	28	30	29	28	28	28	28	28
7	33	30	28	27	33	30	28	27	29	28	27	29	28	27	29	27	26	26	26	26	26
8	32	29	27	26	31	29	27	26	28	27	25	28	26	25	27	26	25	25	25	25	25
9	30	27	26	24	30	27	25	24	27	25	24	27	25	24	26	25	24	24	24	24	24
10	29	26	24	23	29	26	24	23	26	24	23	26	24	23	25	24	23	23	23	23	23



Photometric Information

Product Number: A8MHE175H/8416SCL/SCL
Frame In Kit: 8" Vertical Mount Metal Halide
Reflector: 8" Vertical Clear "Alzak" Reflector with
 fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 06266
Lamp(s) Source: (1) 175W ED17 clear Metal Halide rated at
 14,000 lumens
Total Luminaire Efficiency: 36.9%
CIE Type: Direct
Luminaire Spacing Criterion: 0.2
Luminous Diameter: 7.375

Zonal Lumen Summary

ZONE	LUMENS	%LAMP	%FIXTURE
0- 30	4349	31.1	84.2
0- 40	4607	32.9	89.2
0- 60	4967	35.5	96.2
0- 90	5162	36.9	100.0
90-180	0	0.0	0.0
0-180	5162	36.9	100.0

Cone of Light

Ft. Below Nadir	Fc Nadir	Dia @50%
6.0	461.6	0.9
8.0	259.7	1.2
10.0	166.2	1.6
12.0	115.4	1.9
14.0	84.8	2.2
16.0	64.9	2.5

Coefficients of Utilization

RC	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	0
0	44	44	44	44	43	43	43	43	41	41	41	39	39	39	38	38	38	37	37	37	37
1	42	41	41	40	41	41	40	39	39	39	38	38	37	37	36	36	35	35	35	34	34
2	41	39	38	37	40	39	37	37	37	37	36	36	36	35	35	35	34	34	34	33	34
3	39	37	36	35	39	37	36	35	36	35	34	35	34	33	34	34	33	34	34	33	32
4	38	36	34	33	37	35	34	33	35	33	32	34	33	32	33	32	32	32	32	31	31
5	37	34	33	31	36	34	32	31	33	32	31	33	32	31	32	31	31	31	31	30	30
6	36	33	31	30	35	33	31	30	32	31	30	32	31	30	31	30	30	30	30	29	29
7	34	32	30	29	34	32	30	29	31	30	29	31	30	29	30	29	29	29	28	28	28
8	33	31	29	28	33	31	29	28	30	29	28	30	29	28	30	28	28	28	27	27	27
9	32	30	28	27	32	30	28	27	29	28	27	29	28	27	29	28	27	27	27	26	26
10	31	29	27	26	31	29	27	26	28	27	26	28	27	26	28	27	26	26	26	26	26

