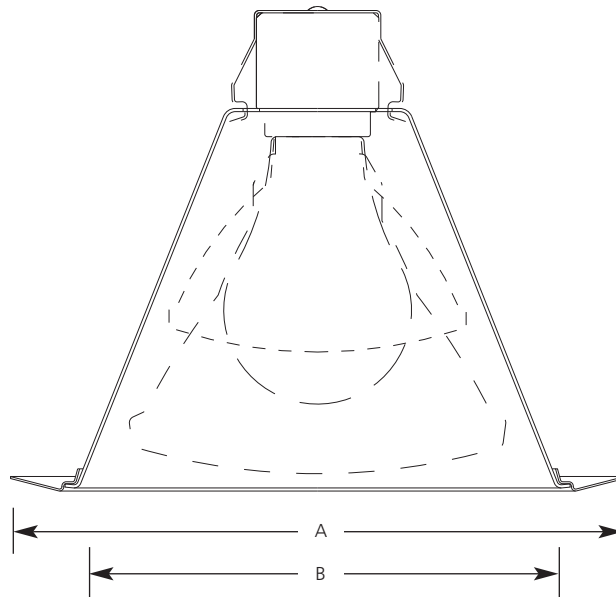


Type _____

-21A -22A -23A -21 -22 -28
P8068

Catalog No.	Finish						Dimensions (Inches)		
	Clear Alzak®	Gold Alzak®	Black Alzak®	Clear	Gold	White	A	B	C
P8068	-21A	-22A	-23A	-21	-22	-28	7-3/4	6-11/32	4-3/4



Lamp Wattage

Housing	IC	Non-IC
P87-AT	75PAR30/65BR30	120BR40/150PAR38/40A19
P87-ATQC	75PAR30/65BR30	120BR40/150PAR38/40A19
P187-TG	75PAR30/65BR30	120BR40/150PAR38/40A19
P821-AT	120BR40/150PAR38/100A19	120BR40/150PAR38/100A19
P821-FB, P821-FBFC	N/A	150R40/150BR40/150PAR38

Specifications:

Flange

- Bright white powdered painted metal flange

Trim

- All aluminum construction
- Built-in bracket to accept Trim-Lok spring
- Trim-Lok action forces trim to fit snugly against the ceiling
- One-piece construction
- No light leaks around trim flange
- Socket mounts to trim for optimum performance and consistent lamp position

Options

- Clear Cone - specify "21" after catalog number
- Gold Cone - specify "22" after catalog number
- White Cone - specify "28" after catalog number
- Clear Alzak® Cone - specify "21A" after catalog number
- Gold Alzak® Cone - specify "22A" after catalog number
- Black Alzak® Cone - specify "23A" after catalog number

Labels

- UL-CUL damp location listed

P87AT

P87AT WITH P8068-21A

Report No. 98127

No. Lamps: 1 Type Lamp: 150PAR38/FL Total Lumens: 2200

Fixture Efficiency: 77.8%

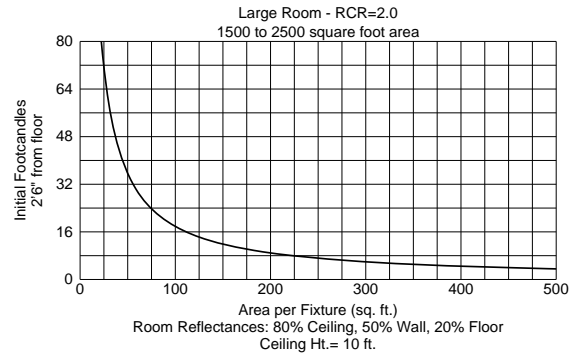
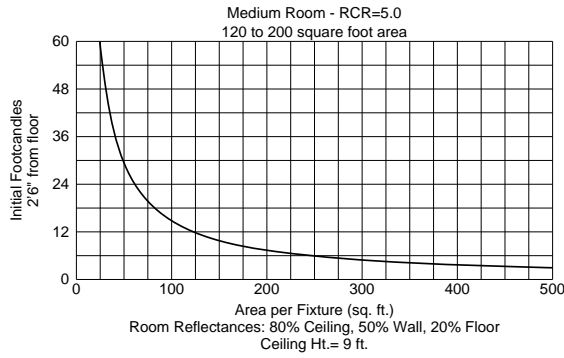
S/MH Ratio: 0.5

Single Fixture Data

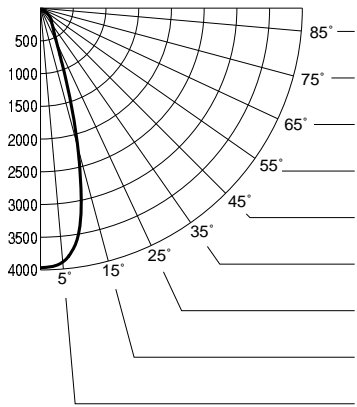
Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 52°			Beam Angle - 30°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	13.1	5	131.2	65.6	3
10	7.1	7	70.5	35.3	4
12	4.4	9	44.0	22.0	5
14	3.0	11	30.0	15.0	6
16	2.2	13	21.8	10.9	7

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	0
85	1
80	2
75	4
70	8
65	13
60	34
55	94
50	161
45	215
40	261
35	315
30	404
25	587
20	1083
15	2197
10	3427
5	3895
0	3968

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																							
	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	0
0	93	93	93	93	91	91	91	91	87	87	87	83	83	83	79	79	79	78	78	78	78	78	78	78
1	89	86	85	83	87	85	83	82	82	80	79	79	78	77	76	75	74	73	73	73	73	73	73	73
2	84	81	78	75	83	79	77	74	77	75	73	75	73	71	72	71	70	68	68	68	68	68	68	68
3	80	76	72	69	79	74	71	68	72	70	67	71	68	66	69	67	65	64	64	64	64	64	64	64
4	77	71	67	64	75	70	66	63	68	65	63	67	64	62	66	63	61	60	60	60	60	60	60	60
5	73	67	63	60	72	66	62	59	65	61	59	64	61	58	62	60	58	57	57	57	57	57	57	57
6	70	63	59	56	69	63	59	56	62	58	55	61	57	55	60	57	55	54	54	54	54	54	54	54
7	67	60	56	53	66	60	56	53	59	55	52	58	55	52	57	54	52	51	51	51	51	51	51	51
8	64	57	53	50	63	57	53	50	56	53	50	55	52	50	55	52	49	48	48	48	48	48	48	48
9	62	55	51	48	61	55	50	48	54	50	48	53	50	47	53	49	47	46	46	46	46	46	46	46
10	59	53	48	46	59	52	48	46	52	48	46	51	48	45	51	47	45	44	44	44	44	44	44	44

P87-AT

P87-AT WITH P8068-21A

Report No. 98087

No. Lamps: 1 Type Lamp: 40A19 Total Lumens: 505

Fixture Efficiency: 54.0%

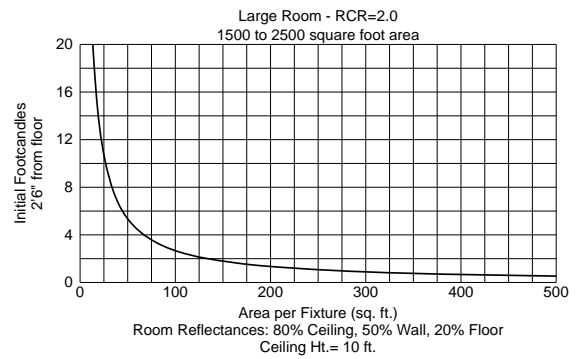
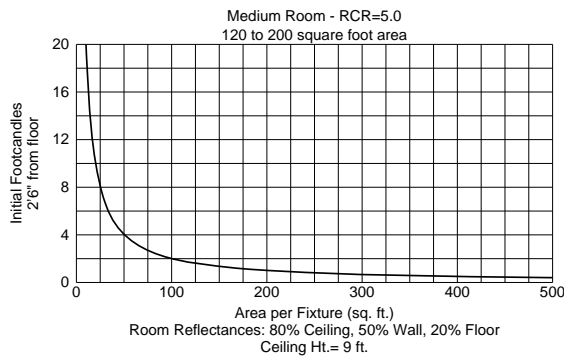
S/MH Ratio: 1.4

Single Fixture Data

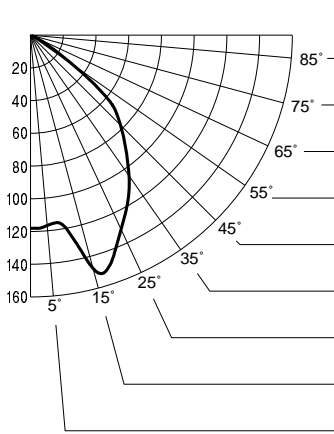
Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 104°			Beam Angle - 69°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	0.4	14	3.9	2.0	8
10	0.2	19	2.1	1.0	10
12	0.1	24	1.3	0.7	13
14	0.1	30	0.9	0.4	16
16	0.1	35	0.6	0.3	19

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	0
85	0
80	0
75	0
70	1
65	4
60	13
55	32
50	64
45	78
40	91
35	105
30	119
25	131
20	146
15	148
10	119
5	117
0	118

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																						
	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	65	65	65	65	63	63	63	63	60	60	60	58	58	58	55	55	55	54					
1	61	59	57	56	59	58	56	55	56	54	53	53	52	52	52	51	50	49					
2	57	53	51	48	55	52	50	48	51	48	47	49	47	46	47	46	45	44					
3	53	48	45	42	52	47	44	42	46	43	41	45	42	40	43	41	40	39					
4	49	44	40	37	48	43	40	37	42	39	36	41	38	36	40	37	35	34					
5	46	40	36	33	45	39	35	33	38	35	32	37	34	32	36	34	32	31					
6	42	36	32	29	42	36	32	29	35	31	29	34	31	29	33	31	28	27					
7	40	33	29	26	39	33	29	26	32	29	26	31	28	26	31	28	26	25					
8	37	31	26	24	36	30	26	24	30	26	24	29	26	23	28	25	23	22					
9	35	28	24	22	34	28	24	21	27	24	21	27	24	21	26	23	21	20					
10	33	26	22	20	32	26	22	20	25	22	20	25	22	19	24	21	19	19					

P87-AT

P87-AT WITH P8068-21A

Report No. 98084

No. Lamps: 1 Type Lamp: 65BR30 FL Total Lumens: 770

Fixture Efficiency: 92.1%

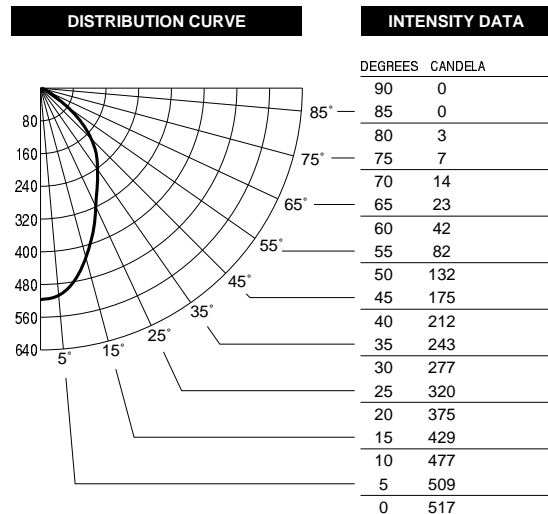
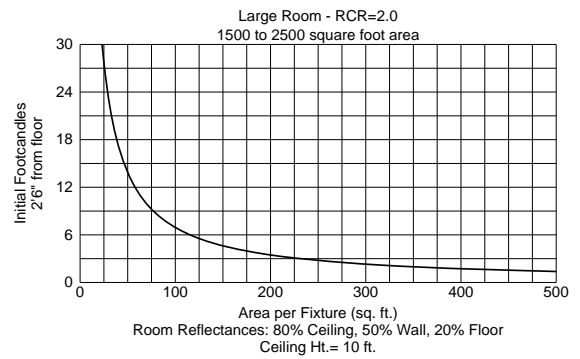
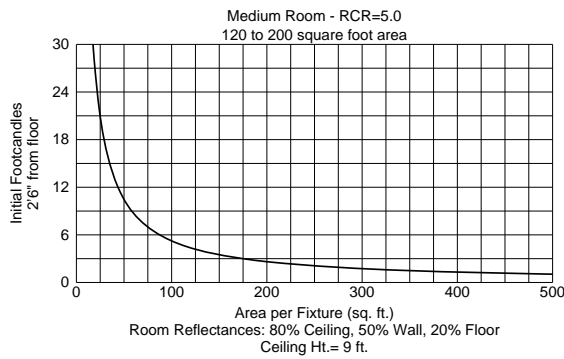
S/MH Ratio: 0.9

Single Fixture Data

Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 94°			Beam Angle - 47°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	1.7	12	17.1	8.5	5
10	0.9	16	9.2	4.6	7
12	0.6	20	5.7	2.9	8
14	0.4	24	3.9	2.0	10
16	0.3	29	2.8	1.4	12

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																						
	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	110	110	110	110	107	107	107	107	102	102	102	98	98	98	94	94	94	92					
1	103	100	97	94	101	98	95	93	94	92	90	91	89	87	87	86	85	83					
2	96	90	86	82	94	89	84	81	86	82	79	83	80	77	80	78	76	74					
3	90	82	76	71	88	81	75	71	78	73	70	76	72	69	74	70	67	66					
4	83	75	68	63	82	73	67	63	71	66	62	69	65	61	68	64	60	59					
5	78	68	61	56	76	67	61	56	65	60	56	64	59	55	62	58	54	53					
6	73	63	56	51	71	62	55	51	60	54	50	59	54	50	57	53	49	48					
7	68	58	51	46	67	57	50	46	56	50	46	54	49	45	53	49	45	43					
8	64	53	47	42	63	53	46	42	52	46	42	51	45	41	50	45	41	40					
9	60	49	43	38	59	49	43	38	48	42	38	47	42	38	46	41	38	36					
10	57	46	40	35	56	46	40	35	45	39	35	44	39	35	43	39	35	34					

P87AT

P87AT WITH P8068-22A

Report No. 98128

No. Lamps: 1 Type Lamp: 40A19 - GE Total Lumens: 505

Fixture Efficiency: 57.7%

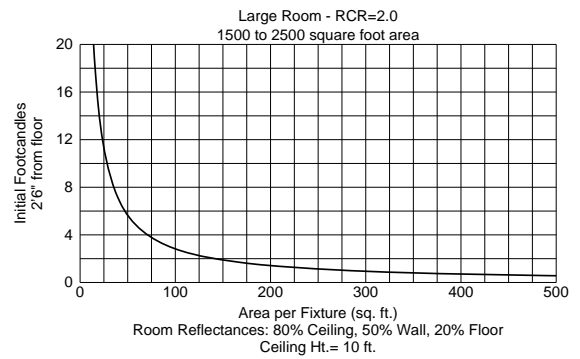
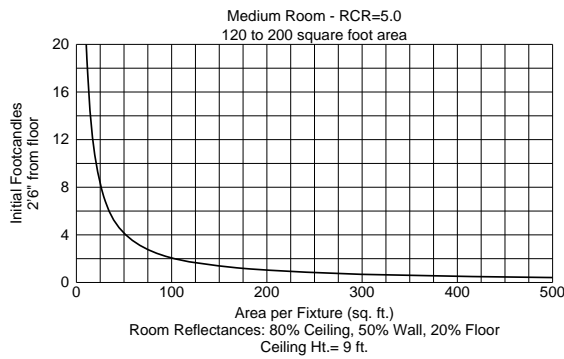
S/MH Ratio: 1.4

Single Fixture Data

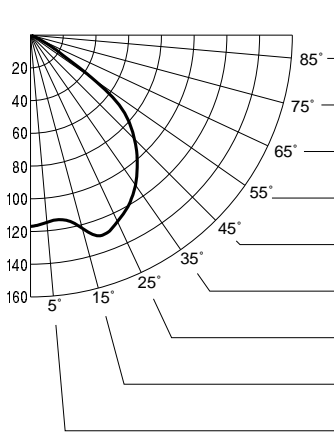
Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 108°			Beam Angle - 72°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	0.4	15	3.9	1.9	8
10	0.2	20	2.1	1.0	11
12	0.1	26	1.3	0.6	14
14	0.1	31	0.9	0.4	17
16	0.1	37	0.6	0.3	20

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	0
85	0
80	0
75	1
70	1
65	6
60	18
55	47
50	76
45	90
40	102
35	112
30	120
25	126
20	130
15	122
10	115
5	115
0	117

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																						
	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	69	69	69	69	67	67	67	67	64	64	64	62	62	62	59	59	59	58					
1	65	62	61	59	63	61	60	58	59	57	56	57	56	55	55	54	53	52					
2	60	56	53	51	59	55	52	50	53	51	49	51	49	48	50	48	47	46					
3	55	51	47	44	54	50	46	43	48	45	42	47	44	42	45	43	41	40					
4	51	45	41	38	50	45	41	38	43	40	37	42	39	37	41	38	36	35					
5	48	41	37	33	46	40	36	33	39	36	33	38	35	32	37	34	32	31					
6	44	37	33	29	43	37	32	29	36	32	29	35	31	29	34	31	29	28					
7	41	34	29	26	40	34	29	26	33	29	26	32	28	26	31	28	26	25					
8	38	31	27	23	37	31	26	23	30	26	23	29	26	23	29	25	23	22					
9	36	29	24	21	35	28	24	21	28	24	21	27	23	21	26	23	21	20					
10	33	26	22	19	33	26	22	19	25	22	19	25	21	19	24	21	19	18					

P87-AT

P87-AT WITH P8068-22

Report No. 98107

No. Lamps: 1 Type Lamp: 150PAR38 SYLVANIA Total Lumens: 2200

Fixture Efficiency: 76.5%

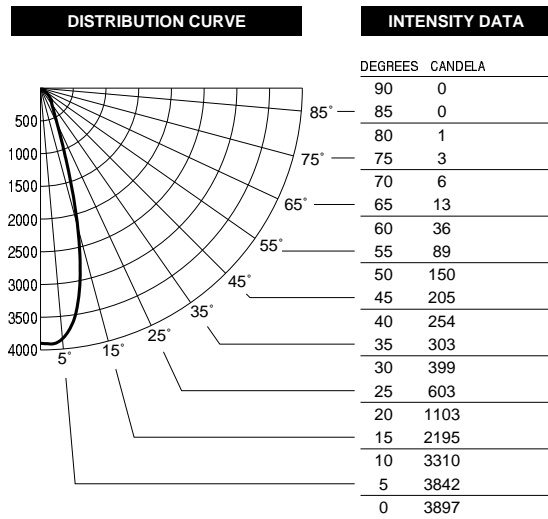
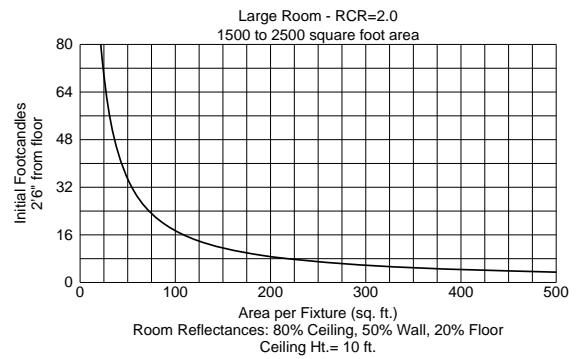
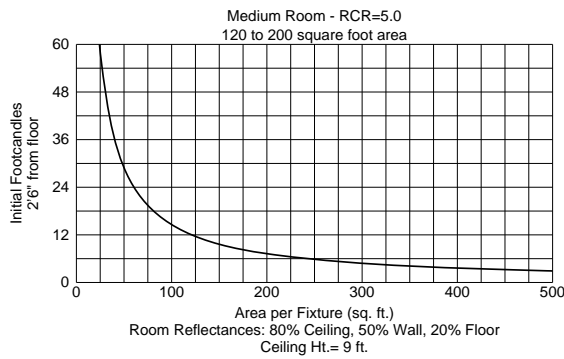
S/MH Ratio: 0.5

Single Fixture Data

Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 53°			Beam Angle - 30°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	12.9	5	128.8	64.4	3
10	6.9	7	69.3	34.6	4
12	4.3	9	43.2	21.6	5
14	2.9	11	29.5	14.7	6
16	2.1	13	21.4	10.7	7

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																							
	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	0
0	91	91	91	91	89	89	89	89	85	85	85	81	81	81	78	78	78	77	77	77	77	77	77	77
1	87	85	83	82	85	83	82	80	80	79	78	77	76	76	75	74	73	72	72	72	72	72	72	72
2	83	79	76	74	81	78	75	73	76	73	72	73	72	70	71	70	69	67	67	67	67	67	67	67
3	79	74	71	68	78	73	70	67	71	69	66	70	67	65	68	66	64	63	63	63	63	63	63	63
4	75	70	66	63	74	69	65	63	68	64	62	66	63	61	65	62	60	59	59	59	59	59	59	59
5	72	66	62	59	71	65	61	58	64	61	58	63	60	57	62	59	57	56	56	56	56	56	56	56
6	69	63	58	55	68	62	58	55	61	57	55	60	57	54	59	56	54	53	53	53	53	53	53	53
7	66	59	55	52	65	59	55	52	58	54	52	57	54	52	56	53	51	50	50	50	50	50	50	50
8	63	57	52	50	62	56	52	49	55	52	49	55	51	49	54	51	49	48	48	48	48	48	48	48
9	61	54	50	47	60	54	50	47	53	49	47	52	49	47	52	49	47	46	46	46	46	46	46	46
10	59	52	48	45	58	52	48	45	51	47	45	50	47	45	50	47	45	44	44	44	44	44	44	44

P87-AT

P87-AT WITH P8068-28

Report No. 98102

No. Lamps: 1 Type Lamp: 65BR30 FL Total Lumens: 770

Fixture Efficiency: 91.0%

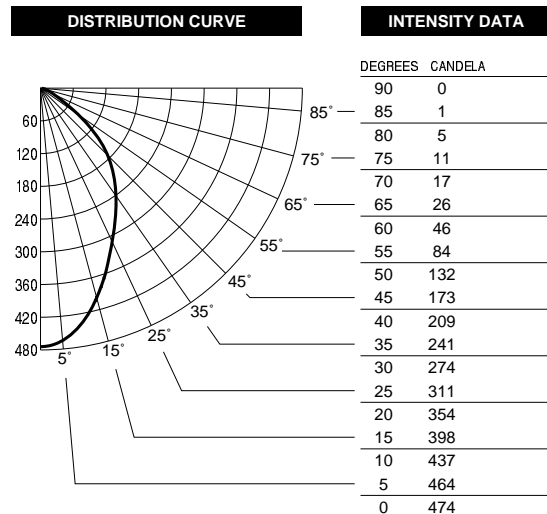
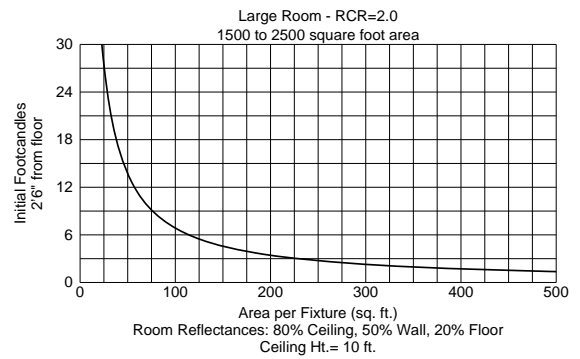
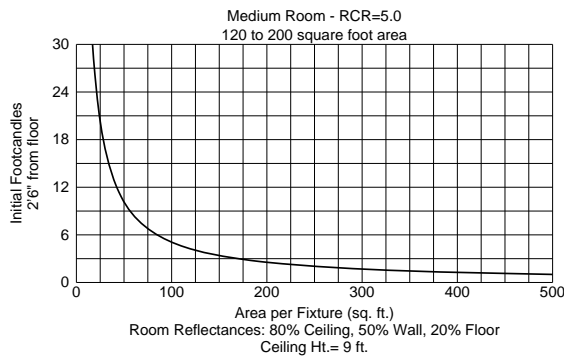
S/MH Ratio: 0.9

Single Fixture Data

Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 95°			Beam Angle - 49°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	1.6	12	15.7	7.8	5
10	0.8	16	8.4	4.2	7
12	0.5	21	5.3	2.6	9
14	0.4	25	3.6	1.8	10
16	0.3	29	2.6	1.3	12

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																						
	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	108	108	108	108	106	106	106	106	101	101	101	97	97	97	93	93	93	91					
1	101	98	95	93	99	96	93	91	92	90	88	89	87	86	86	84	83	81					
2	94	89	84	80	92	87	82	79	84	80	77	81	78	75	78	76	74	72					
3	88	80	74	69	86	79	73	69	76	72	68	74	70	67	72	68	66	64					
4	82	73	66	61	80	72	65	61	69	64	60	67	63	59	66	62	59	57					
5	76	66	59	54	74	65	59	54	64	58	54	62	57	53	60	56	53	51					
6	71	61	54	49	69	60	53	49	58	53	48	57	52	48	56	51	48	46					
7	66	56	49	44	65	55	49	44	54	48	44	53	47	43	51	47	43	42					
8	62	52	45	40	61	51	45	40	50	44	40	49	44	40	48	43	39	38					
9	59	48	41	37	57	47	41	37	46	41	37	45	40	36	45	40	36	35					
10	55	45	38	34	54	44	38	34	43	38	34	42	37	34	42	37	33	32					

P87-AT

P87-AT WITH P8068-28

Report No. 98100

No. Lamps: 1 Type Lamp: 75PAR30 LN/FL Total Lumens: 985

Fixture Efficiency: 97.9%

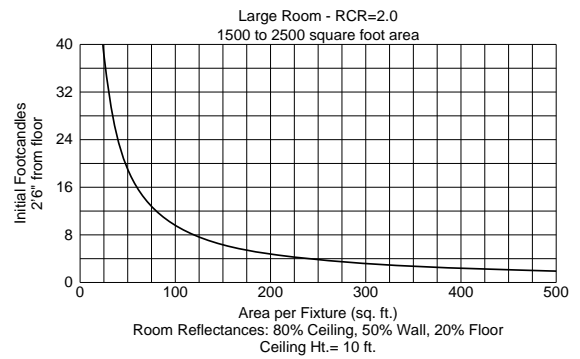
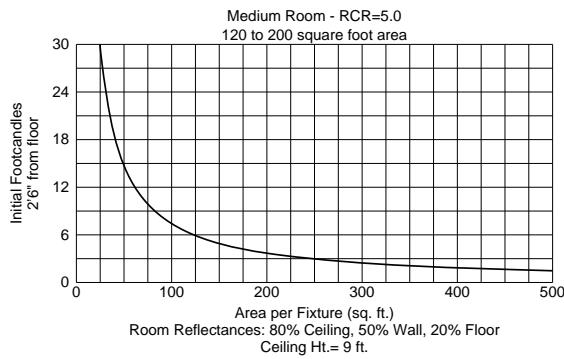
S/MH Ratio: 1.0

Single Fixture Data

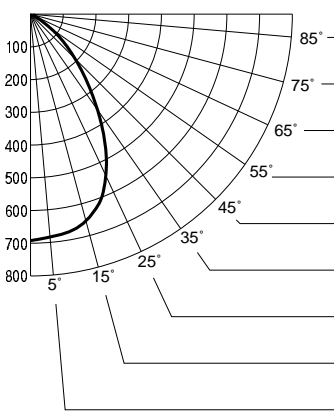
Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 90°			Beam Angle - 55°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	2.3	11	22.9	11.4	6
10	1.2	15	12.3	6.2	8
12	0.8	19	7.7	3.8	10
14	0.5	23	5.2	2.6	12
16	0.4	27	3.8	1.9	14

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	0
85	2
80	4
75	6
70	9
65	16
60	34
55	75
50	131
45	192
40	268
35	357
30	455
25	544
20	615
15	654
10	676
5	683
0	692

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0				
	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
0	116	116	116	116	114	114	114	114	109	109	109	104	104	104	100	100	100	98							
1	110	107	104	101	107	105	102	100	101	98	97	97	95	94	93	92	91	89							
2	103	97	93	89	101	96	91	88	92	89	86	89	87	84	87	84	82	80							
3	97	89	83	79	94	88	82	78	85	80	77	83	79	76	80	77	74	73							
4	90	82	75	70	89	81	75	70	78	73	69	76	72	68	74	71	67	66							
5	85	75	68	63	83	74	68	63	72	67	62	71	66	62	69	65	61	60							
6	80	69	62	58	78	69	62	57	67	61	57	65	60	56	64	60	56	54							
7	75	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50							
8	70	60	53	48	69	59	53	48	58	52	48	57	51	48	56	51	47	46							
9	66	56	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42							
10	63	52	45	41	62	51	45	41	51	45	41	50	44	41	49	44	41	39							



Compact Fluorescent

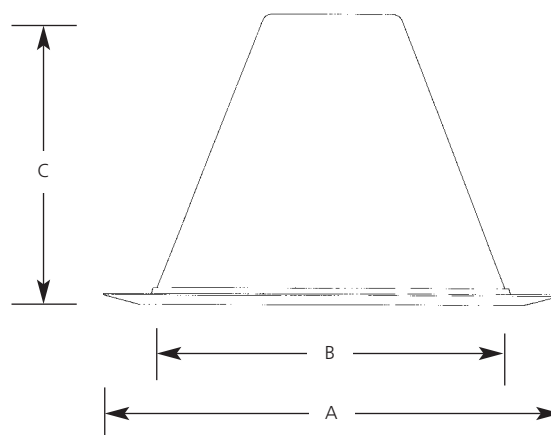
**6" Alzak® Cone
Single Lamp Vertical
IC & Non-IC**

Recessed

Type _____

-21A -22A -23A -28 -21 -22
P8068

Catalog No.	Finish						Dimensions (Inches)		
	Clear Alzak®	Gold Alzak®	Black Alzak®	Clear	Gold	White	A	B	C
P8068	-21A	-22A	-23A	-21	-22	-28	7-3/4	6-11/32	4-3/4



Lamp Wattage

Housing	IC	Non-IC
P83-AT	13w 4-pin Quad/Triple-tube CF	13w 4-pin Quad/Triple-tube CF
P83-ICAT	13w 4-pin Quad/Triple-tube CF	13w 4-pin Quad/Triple-tube CF
P83-26ICAT	26w 4-pin Quad/Triple-tube CF	26w 4-pin Quad/Triple-tube CF
P88-ICAT	18w 4-pin Quad/Triple-tube CF	18w 4-pin Quad/Triple-tube CF
P183-EB	13w 4-pin Quad/Triple-tube CF	13w 4-pin Quad/Triple-tube CF

Specifications:

Flange

- Bright white powdered painted metal flange

Trim

- All aluminum construction
- Trim-Lok action forces trim to fit snugly against the ceiling
- One-piece construction
- No light leaks around trim flange
- Socket mounts to trim for optimum performance and consistent lamp position

Options

- Clear Alzak® Cone - specify "21A" after catalog number
- Gold Alzak® Cone - specify "22A" after catalog number
- Black Alzak® Cone - specify "23A" after catalog number

Labels

- UL-CUL damp location listed

Progress Lighting
701 Millennium Blvd.
Greenville, South Carolina
29607

www.progresslighting.com

Patent# 5,758,981, 5,758,982, 5,758,983, 5,758,984, 5,758,985, 5,758,986

P83

P83 WITH 8068-21

Report No. 98061

No. Lamps: 1 Type Lamp: 13W QUAD CF - GE Total Lumens: 860

Fixture Efficiency: 68.3%

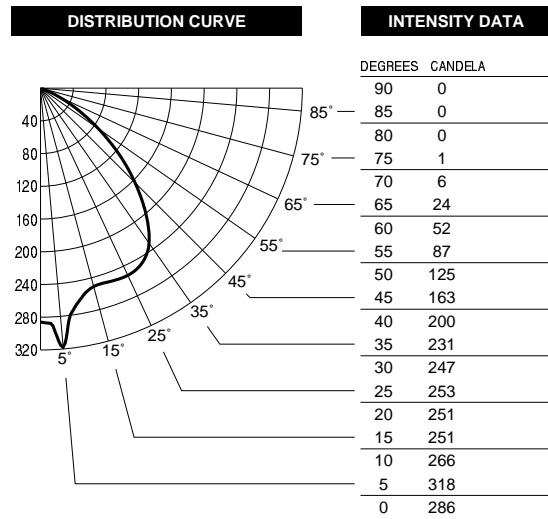
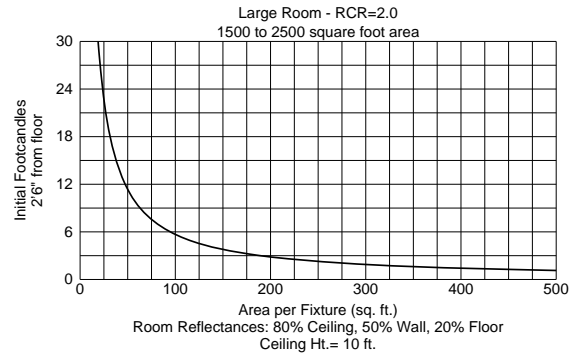
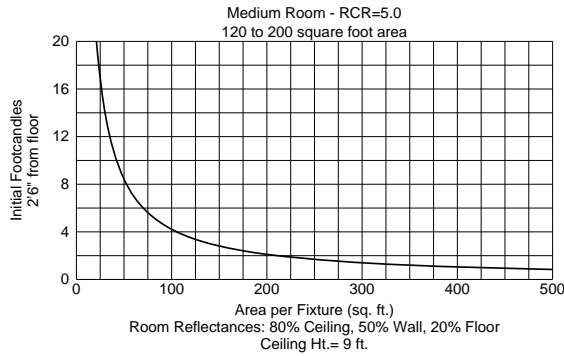
S/MH Ratio: 1.3

Single Fixture Data

Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 102°			Beam Angle - 65°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	0.9	14	9.5	4.7	7
10	0.5	19	5.1	2.5	10
12	0.3	24	3.2	1.6	12
14	0.2	29	2.2	1.1	15
16	0.2	34	1.6	0.8	17

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																						
	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	81	81	81	81	79	79	79	79	76	76	76	73	73	73	70	70	70	68					
1	76	74	72	70	74	72	70	68	69	68	66	67	66	64	64	63	62	61					
2	71	66	63	60	69	65	62	59	63	60	58	61	58	56	59	57	55	54					
3	66	60	55	51	64	59	54	51	57	53	50	55	52	49	53	51	49	47					
4	61	54	49	45	59	53	48	45	51	47	44	50	46	43	48	45	43	42					
5	56	49	43	39	55	48	43	39	47	42	39	45	41	38	44	41	38	37					
6	52	44	39	35	51	44	39	35	42	38	35	41	37	34	40	37	34	33					
7	49	40	35	31	48	40	35	31	39	34	31	38	34	31	37	33	31	29					
8	45	37	32	28	44	37	32	28	36	31	28	35	31	28	34	30	28	26					
9	42	34	29	25	42	34	29	25	33	28	25	32	28	25	32	28	25	24					
10	40	32	27	23	39	31	26	23	31	26	23	30	26	23	29	26	23	22					

P83

P83 WITH P8068-22

Report No. 98036

No. Lamps: 1 Type Lamp: 13W QUAD CF - GE Total Lumens: 860

Fixture Efficiency: 58.8%

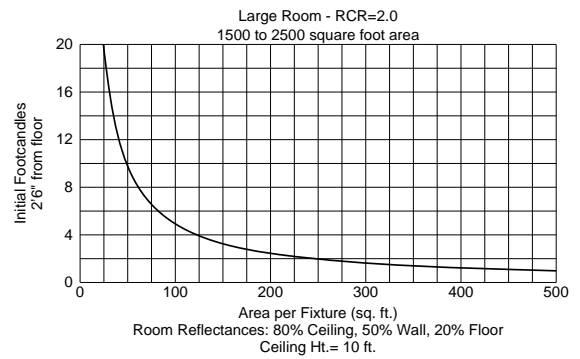
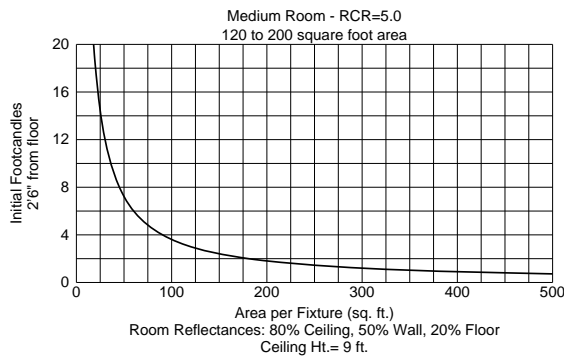
S/MH Ratio: 1.1

Single Fixture Data

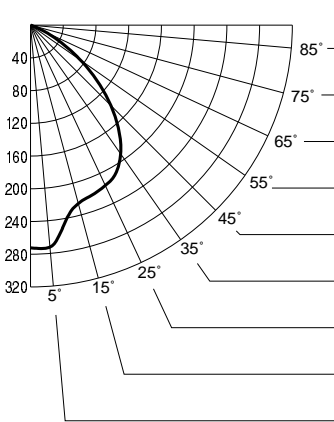
Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 101°			Beam Angle - 60°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	0.9	13	9.0	4.5	6
10	0.5	18	4.8	2.4	9
12	0.3	23	3.0	1.5	11
14	0.2	28	2.1	1.0	13
16	0.1	33	1.5	0.7	16

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	0
85	0
80	0
75	1
70	5
65	21
60	46
55	75
50	107
45	139
40	168
35	192
30	209
25	216
20	221
15	226
10	244
5	272
0	272

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0				
	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
0	70	70	70	70	68	68	68	68	65	65	65	63	63	63	60	60	60	59							
1	66	64	62	60	64	62	61	59	60	58	57	58	57	55	56	55	54	53							
2	61	57	54	51	60	56	53	51	54	52	50	52	50	49	51	49	48	46							
3	57	51	48	44	55	51	47	44	49	46	43	47	45	43	46	44	42	41							
4	52	46	42	39	51	46	42	39	44	41	38	43	40	38	42	39	37	36							
5	49	42	37	34	47	41	37	34	40	36	34	39	36	33	38	35	33	32							
6	45	38	34	30	44	38	33	30	37	33	30	36	32	30	35	32	29	28							
7	42	35	30	27	41	34	30	27	34	30	27	33	29	27	32	29	27	25							
8	39	32	28	24	38	32	27	24	31	27	24	30	27	24	30	26	24	23							
9	37	30	25	22	36	29	25	22	29	25	22	28	24	22	27	24	22	21							
10	35	27	23	20	34	27	23	20	27	23	20	26	22	20	25	22	20	19							

