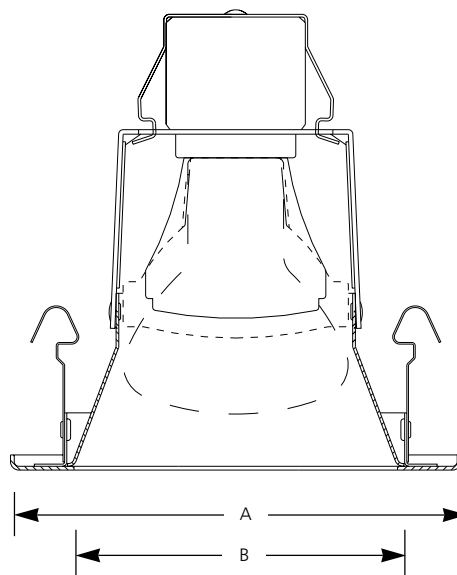


Type _____

-21 -22 -23
P8043 ☐ ☐ ☐

Catalog No.	Finish			Dimensions (Inches)	
	Clear Alzak®	Gold Alzak®	Black Alzak®	A	B
P8043	-21	-22	-23	5	3-7/8


Lamp Wattage

Housing	IC	Non-IC
P831-AT	75PAR16/R20/50PAR20	75PAR16/R20/50PAR20
P830-TG	N/A	55PAR16/50R/PAR20
P832-TG	N/A	55PAR16/50R/PAR20

Specifications:
Flange

- Bright white powdered painted metal flange
- No light leaks around trim flange
- Covers irregular ceiling openings

Trim

- Steel construction
- Push-in Leaf Spring installation
- Lamp tilts 20 degrees., 360-degree positioning
- Socket mounts to trim for optimum performance and consistent lamp position

Options

- Specular Clear Alzak® finish - specify "21" after catalog number
- Polished gold Alzak® finish - specify "22" after catalog number
- Black Alzak® finish - specify "23" after catalog number

Labels

- UL-CUL damp location listed

P830-TG

P830-TG WITH P8043-21

Report No. 98262

No. Lamps: 1 Type Lamp: 50PAR20/NFL-SYLVANIA Total Lumens: 530

Fixture Efficiency: 93.3%

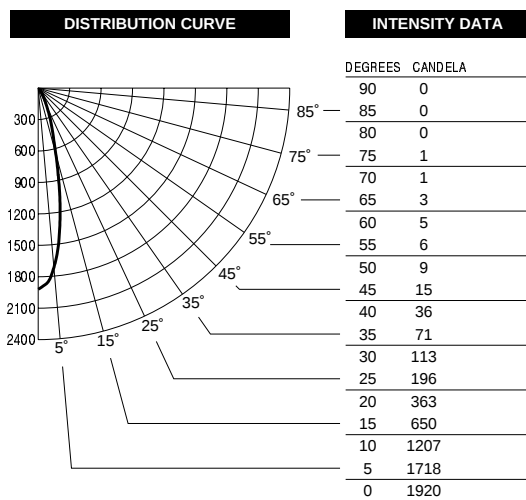
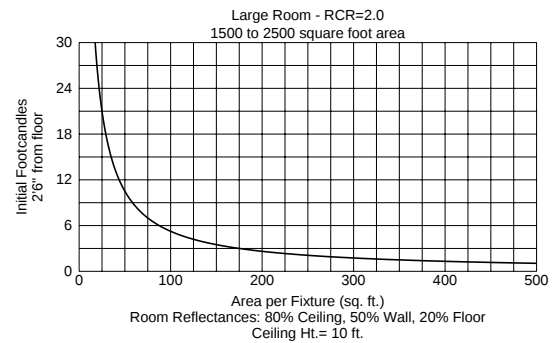
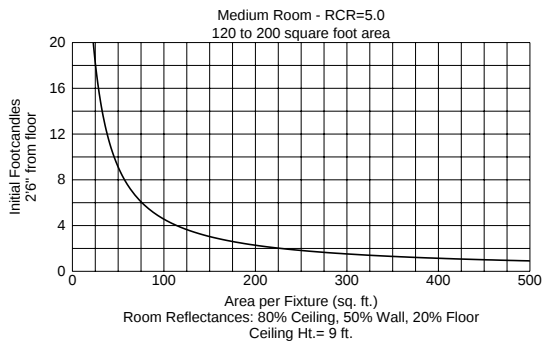
S/MH Ratio: 0.4

Single Fixture Data

	10% Values		Zero Degrees Ft.-C	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 47°			Beam Angle - 23°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	6.3	5	63.5	31.7	2
10	3.4	6	34.1	17.1	3
12	2.1	8	21.3	10.6	4
14	1.5	10	14.5	7.3	5
16	1.1	12	10.5	5.3	6

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	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	111	111	111	111	108	108	108	108	103	103	103	99	99	99	95	95	95	93			
1	107	104	102	101	104	102	101	99	99	97	96	95	94	93	92	91	91	89			
2	103	99	96	93	101	97	94	92	94	92	90	92	90	88	89	88	86	85			
3	99	94	90	87	97	93	89	87	90	88	85	88	86	84	86	84	83	81			
4	95	90	85	82	94	89	85	82	87	83	81	85	82	80	83	81	79	78			
5	92	86	81	78	90	85	81	78	83	80	77	82	79	77	81	78	76	75			
6	89	82	78	75	87	82	77	74	80	77	74	79	76	74	78	75	73	72			
7	86	79	75	72	85	78	74	71	77	74	71	76	73	71	75	73	70	69			
8	83	76	72	69	82	76	72	69	75	71	68	74	71	68	73	70	68	67			
9	80	73	69	66	80	73	69	66	72	69	66	72	68	66	71	68	66	65			
10	78	71	67	64	77	71	67	64	70	66	64	69	66	64	69	66	64	63			

P830-TG

P830-TG WITH P8043-21

Report No. 98261

No. Lamps: 1 Type Lamp: 50PAR20/NFL-GE Total Lumens: 570

Fixture Efficiency: 98.8%

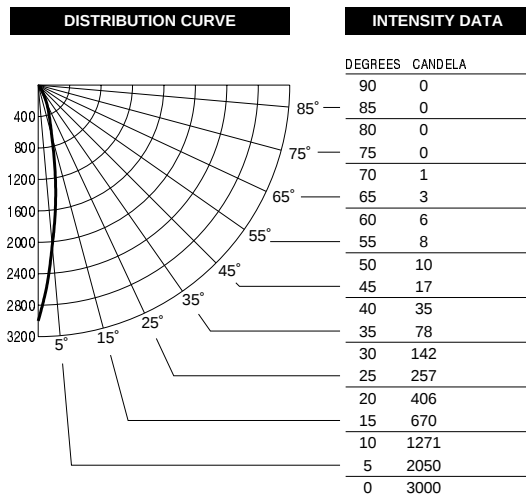
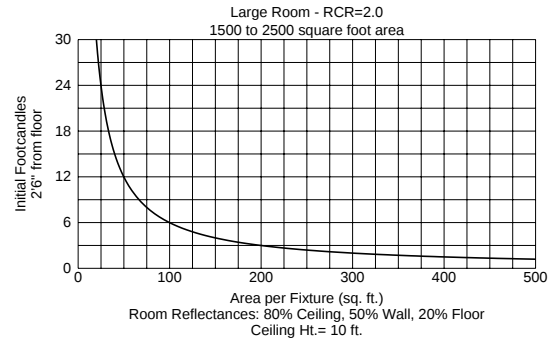
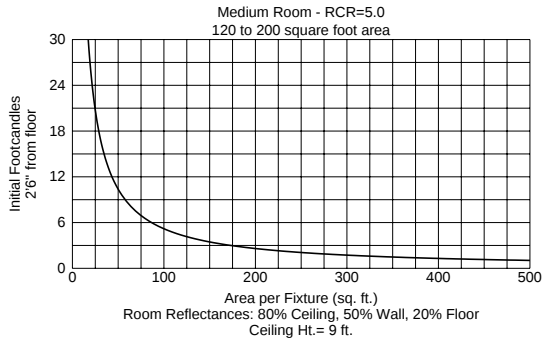
S/MH Ratio: 0.3

Single Fixture Data

	10% Values		Zero Degrees Ft.-C	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 42°			Beam Angle - 16°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	9.9	4	99.2	49.6	2
10	5.3	6	53.3	26.7	2
12	3.3	7	33.2	16.6	3
14	2.3	9	22.7	11.3	3
16	1.6	10	16.5	8.2	4

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	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	101	101	101	99			
1	113	111	109	107	111	109	107	106	105	104	102	101	100	99	98	97	96	95			
2	109	105	102	99	107	103	101	98	100	98	96	98	96	94	95	93	92	90			
3	105	100	96	93	103	99	95	92	96	93	91	94	91	89	92	90	88	87			
4	101	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	83			
5	98	91	87	83	96	90	86	83	89	85	82	87	84	81	86	83	81	80			
6	94	87	83	79	93	87	82	79	85	82	79	84	81	78	83	80	78	77			
7	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			
8	88	81	76	73	87	80	76	73	79	76	73	79	75	72	78	75	72	71			
9	86	78	74	71	85	78	73	70	77	73	70	76	73	70	75	72	70	69			
10	83	76	71	68	82	75	71	68	74	71	68	74	70	68	73	70	68	67			

P830-TG

P830-TG WITH P8043-21

Report No. 98237

No. Lamps: 1 Type Lamp: 50R20-GE Total Lumens: 410

Fixture Efficiency: 85.5%

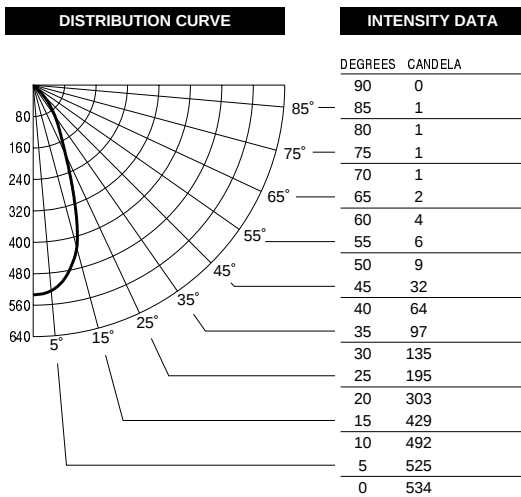
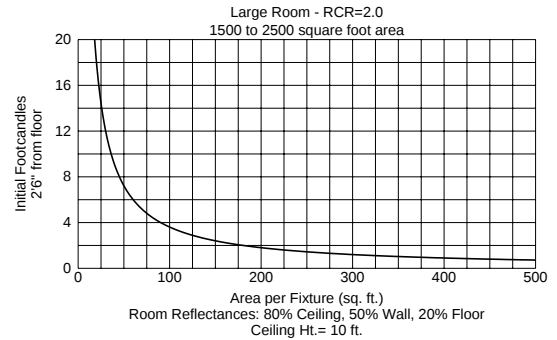
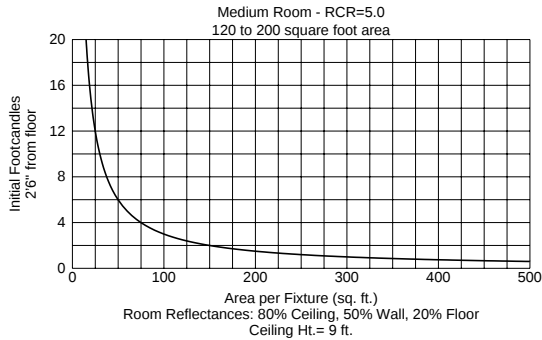
S/MH Ratio: 0.7

Single Fixture Data

	10% Values		Zero Degrees	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 70°			Beam Angle - 39°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	1.8	8	17.6	8.8	4
10	0.9	10	9.5	4.7	5
12	0.6	13	5.9	3.0	7
14	0.4	16	4.0	2.0	8
16	0.3	19	2.9	1.5	10

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	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	102	102	102	102	100	100	100	100	95	95	95	91	91	91	87	87	87
1	97	95	93	91	95	93	91	89	90	88	87	86	85	84	83	83	82
2	93	88	85	82	91	87	84	81	84	82	80	82	80	78	79	78	76
3	88	83	79	75	86	82	78	75	79	76	73	77	75	72	75	73	71
4	84	78	73	70	82	77	72	69	75	71	68	73	70	67	72	69	67
5	80	73	68	65	79	72	68	64	71	67	64	69	66	63	68	65	63
6	76	69	64	60	75	68	63	60	67	63	60	66	62	59	65	61	59
7	73	65	60	57	72	64	60	56	63	59	56	62	59	56	61	58	56
8	69	62	57	53	68	61	56	53	60	56	53	59	56	53	58	55	53
9	66	58	54	50	65	58	53	50	57	53	50	56	53	50	56	52	50
10	64	56	51	48	63	55	51	48	55	50	47	54	50	47	53	50	47

P830-TG

P830-TG WITH P8043-21

Report No. 98263

No. Lamps: 1 Type Lamp: 75PAR16/NFL-SYLVANIA Total Lumens: 1900

Fixture Efficiency: 95.5%

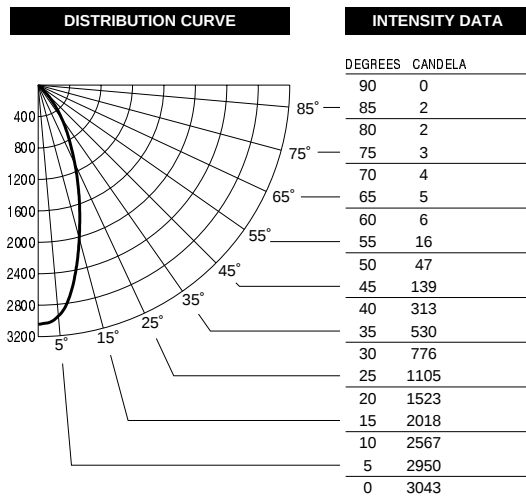
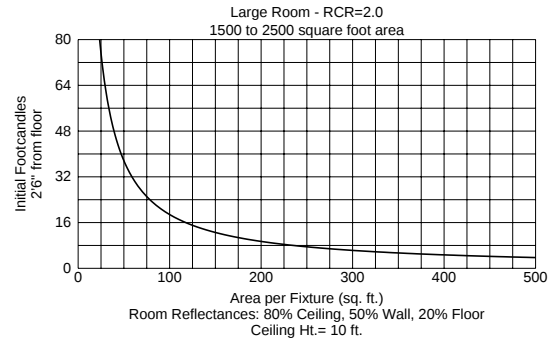
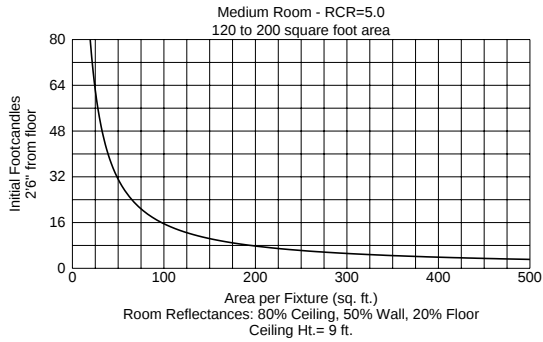
S/MH Ratio: 0.6

Single Fixture Data

	10% Values		Zero Degrees Ft.-C	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 69°			Beam Angle - 35°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	10.1	8	100.6	50.3	3
10	5.4	10	54.1	27.0	5
12	3.4	13	33.7	16.9	6
14	2.3	16	23.0	11.5	7
16	1.7	19	16.7	8.3	9

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	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	114	114	114	114	111	111	111	111	106	106	106	102	102	102	98	98	98	96			
1	109	106	104	102	106	104	102	100	100	99	97	97	95	94	93	92	91	90			
2	104	99	95	92	101	97	94	91	94	92	89	92	89	87	89	87	86	84			
3	99	93	88	85	97	91	87	84	89	85	83	87	84	81	85	82	80	79			
4	94	87	82	78	92	86	81	78	84	80	77	82	79	76	80	77	75	74			
5	90	82	77	73	88	81	76	72	79	75	72	78	74	71	76	73	71	69			
6	85	77	72	68	84	77	71	68	75	71	67	74	70	67	73	69	66	65			
7	82	73	68	64	80	72	67	64	71	67	63	70	66	63	69	65	63	61			
8	78	69	64	60	77	69	64	60	68	63	60	67	63	59	66	62	59	58			
9	74	66	60	57	73	65	60	57	64	60	56	64	59	56	63	59	56	55			
10	71	63	57	54	70	62	57	54	61	57	54	61	56	53	60	56	53	52			

P830-TG

P830-TG WITH P8043-22

Report No. 98259

No. Lamps: 1 Type Lamp: 50PAR20/NFL-SYLVANIA Total Lumens: 530

Fixture Efficiency: 94.4%

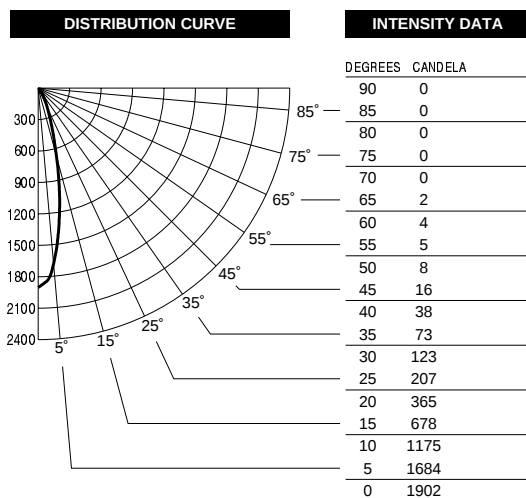
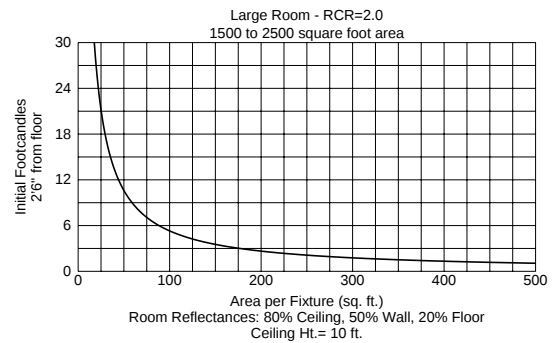
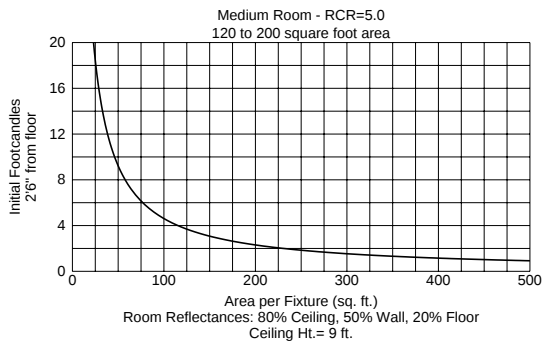
S/MH Ratio: 0.4

Single Fixture Data

	10% Values		Zero Degrees Ft.-C	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 47°			Beam Angle - 23°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	6.3	5	62.9	31.4	2
10	3.4	7	33.8	16.9	3
12	2.1	8	21.1	10.5	4
14	1.4	10	14.4	7.2	5
16	1.0	12	10.4	5.2	6

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	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	112	112	112	112	110	110	110	110	105	105	105	100	100	100	96	96	96	94			
1	108	106	104	102	106	104	102	101	100	99	97	97	96	95	93	93	92	90			
2	104	100	97	94	102	99	96	93	96	93	91	93	91	89	90	89	88	86			
3	100	95	91	88	98	94	90	88	92	89	86	89	87	85	87	85	84	82			
4	96	91	87	83	95	90	86	83	88	84	82	86	83	81	84	82	80	79			
5	93	87	82	79	92	86	82	79	84	81	78	83	80	77	81	79	77	76			
6	90	83	79	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73			
7	87	80	75	72	86	79	75	72	78	74	72	77	74	71	76	73	71	70			
8	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	68	67			
9	81	74	70	67	80	74	70	67	73	69	67	72	69	66	71	68	66	65			
10	79	72	67	65	78	71	67	64	71	67	64	70	67	64	69	66	64	63			

P830-TG

P830-TG WITH P8043-22

Report No. 98258

No. Lamps: 1 Type Lamp: 50PAR20/NFL-GE Total Lumens: 570

Fixture Efficiency: 98.2%

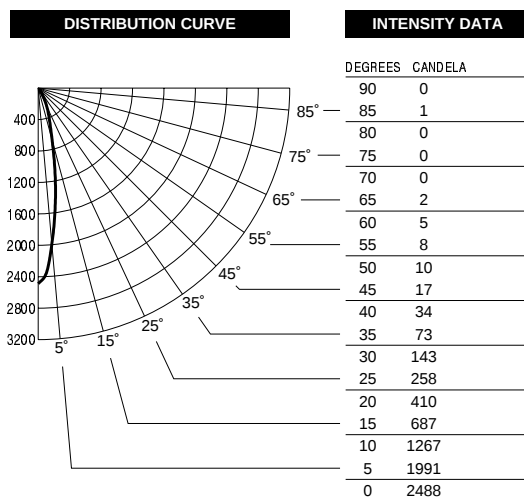
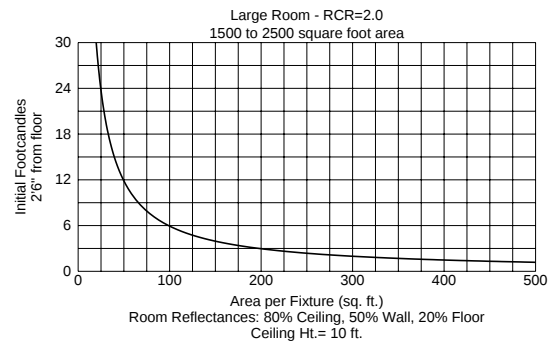
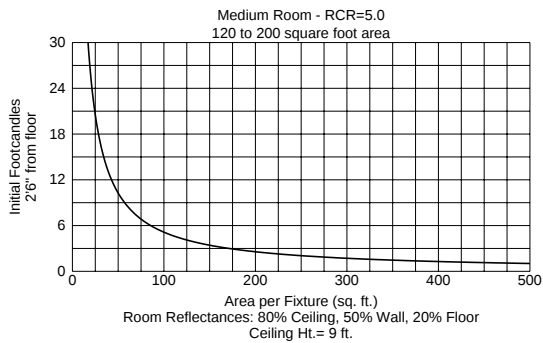
S/MH Ratio: 0.3

Single Fixture Data

	10% Values		Zero Degrees Ft.-C	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 46°			Beam Angle - 20°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	8.2	5	82.2	41.1	2
10	4.4	6	44.2	22.1	3
12	2.8	8	27.6	13.8	3
14	1.9	10	18.8	9.4	4
16	1.4	11	13.7	6.8	5

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	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	117	117	117	117	114	114	114	114	109	109	109	104	104	104	100	100	100	98			
1	112	110	108	106	110	108	106	104	104	103	101	100	99	98	97	96	95	94			
2	108	104	101	98	106	102	100	97	99	97	95	97	95	93	94	92	91	90			
3	104	99	95	92	102	98	94	91	95	92	90	93	90	88	91	89	87	86			
4	100	94	90	87	99	93	89	86	91	88	85	89	87	84	88	85	83	82			
5	97	90	86	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79			
6	93	86	82	79	92	86	81	78	84	81	78	83	80	77	82	79	77	76			
7	90	83	79	75	89	83	78	75	81	78	75	80	77	74	79	76	74	73			
8	87	80	75	72	86	80	75	72	79	75	72	78	74	72	77	74	71	70			
9	85	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	68			
10	82	75	70	67	81	74	70	67	74	70	67	73	69	67	72	69	67	66			

P830-TG

P830-TG WITH P8043-22

Report No. 98240

No. Lamps: 1 Type Lamp: 50R20-GE Total Lumens: 410

Fixture Efficiency: 84.9%

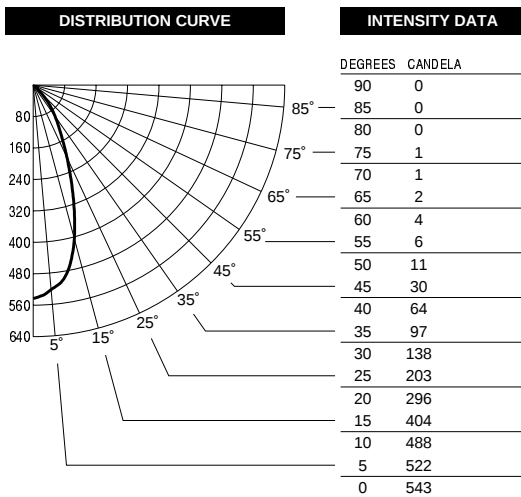
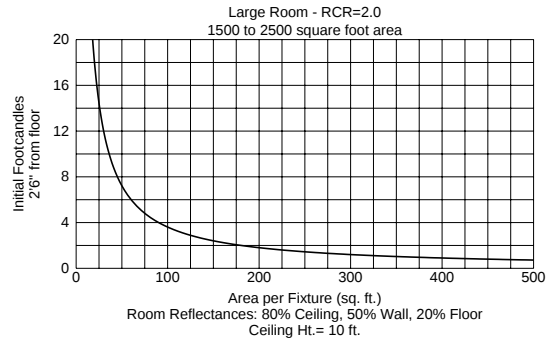
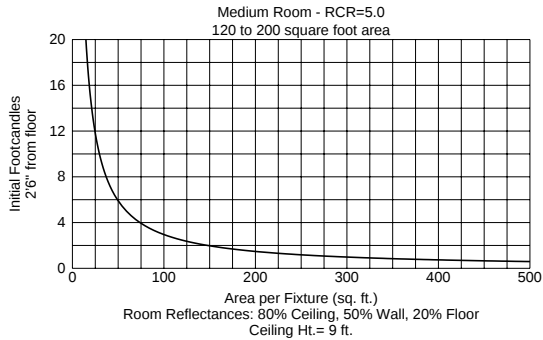
S/MH Ratio: 0.7

Single Fixture Data

	10% Values		Zero Degrees Ft.-C	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 70°			Beam Angle - 38°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	1.8	8	18.0	9.0	4
10	1.0	10	9.7	4.8	5
12	0.6	13	6.0	3.0	6
14	0.4	16	4.1	2.1	8
16	0.3	19	3.0	1.5	9

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	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	101	101	101	101	98	98	98	98	94	94	94	90	90	90	86	86	86	85			
1	96	94	92	90	94	92	90	89	89	87	86	86	84	83	83	82	81	79			
2	92	88	84	81	90	86	83	81	83	81	79	81	79	77	79	77	75	74			
3	87	82	78	75	85	81	77	74	79	75	73	76	74	72	75	72	71	69			
4	83	77	72	69	81	76	72	68	74	70	68	72	69	67	71	68	66	65			
5	79	72	67	64	78	71	67	64	70	66	63	68	65	62	67	64	62	61			
6	75	68	63	60	74	67	63	59	66	62	59	65	61	59	64	61	58	57			
7	72	64	59	56	71	64	59	56	63	58	55	62	58	55	61	57	55	54			
8	69	61	56	53	68	60	56	53	59	55	52	59	55	52	58	54	52	51			
9	66	58	53	50	65	57	53	50	57	52	49	56	52	49	55	52	49	48			
10	63	55	50	47	62	55	50	47	54	50	47	53	49	47	53	49	47	46			

P830-TG

P830-TG WITH P8043-22

Report No. 98260

No. Lamps: 1 Type Lamp: 75PAR16/NFL-SYLVANIA Total Lumens: 1900

Fixture Efficiency: 94.7%

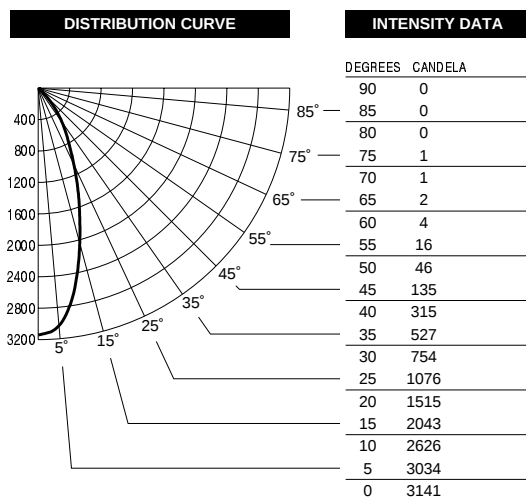
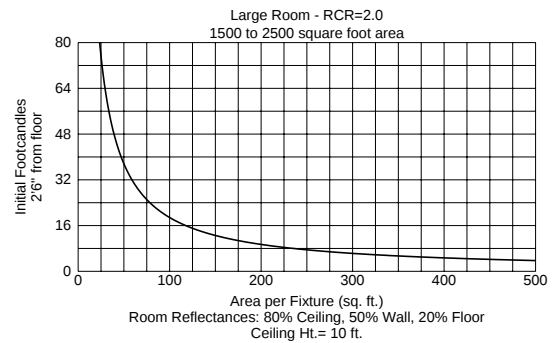
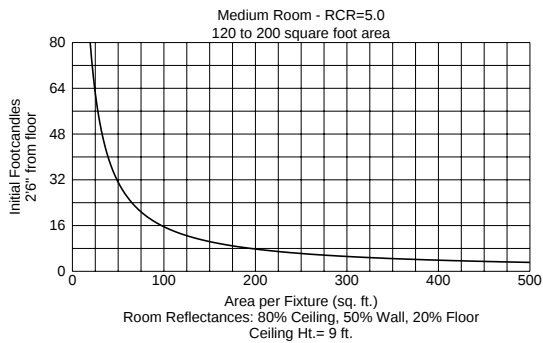
S/MH Ratio: 0.6

Single Fixture Data

	10% Values		Zero Degrees Ft.-C	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 69°			Beam Angle - 34°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	10.4	8	103.8	51.9	3
10	5.6	10	55.8	27.9	5
12	3.5	13	34.8	17.4	6
14	2.4	16	23.8	11.9	7
16	1.7	18	17.2	8.6	8

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	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	113	113	113	113	110	110	110	110	105	105	105	101	101	101	97	97	97	95				
1	108	105	103	101	106	103	101	100	100	98	96	96	95	94	93	92	91	89				
2	103	99	95	92	101	97	94	91	94	91	89	91	89	87	89	87	85	84				
3	98	92	88	84	96	91	87	84	89	85	82	86	83	81	84	82	80	78				
4	94	87	82	78	92	86	81	78	84	80	77	82	79	76	80	77	75	74				
5	89	82	77	73	88	81	76	72	79	75	72	78	74	71	76	73	70	69				
6	85	77	72	68	84	76	71	68	75	71	67	74	70	67	73	69	66	65				
7	81	73	68	64	80	72	67	64	71	67	63	70	66	63	69	65	63	61				
8	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58				
9	74	66	60	57	73	65	60	57	64	60	57	64	59	56	63	59	56	55				
10	71	63	57	54	70	62	57	54	61	57	54	61	57	54	60	56	53	52				