



Filename: 207A432MV

Manufacturer: TEXAS FLUORESCENTS

Luminaire: 4/32W T8 4' SURFACE MNT LUMINAIRE W/ WHITE REFL BODY WRAP AROUND PRISMATIC LENS REFL=93% WATTS=114

Luminaire Cat: 207A432MV

Lamp Cat: LAMP=F032T8/735

Lamp Output: 4 lamps, rated Lumens/lamp: 2950

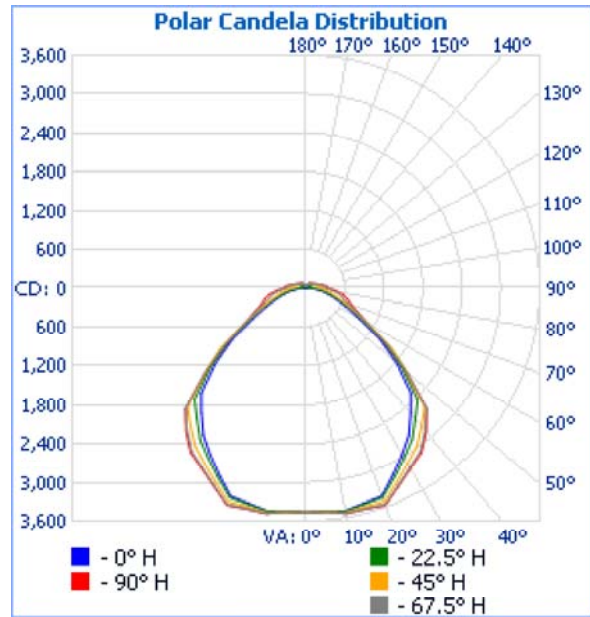
Max Candela: 3,566.2 at Horizontal: 90°, Vertical: 20°

Input Wattage: 114

Luminous Opening: Rectangle w/Luminous Sides (L: 48", W: 16.8", H: 3")

Photometry : Type C

Nema Type: 7 X 7



**Roadway Summary**

Cutoff Classification:	SEMICUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	324.5	
Max Cd, 80 to <90 Deg:	575.1	
	Lumens	% Lamp
Downward Street Side:	4,779.9	40.5%
Downward House Side:	4,779.9	40.5%
Downward Total:	9,559.9	81%
Upward Street Side:	305.9	2.6%
Upward House Side:	305.9	2.6%
Upward Total:	611.8	5.2%
Total Lumens:	10,171.7	86.2%

**Flood Summary**

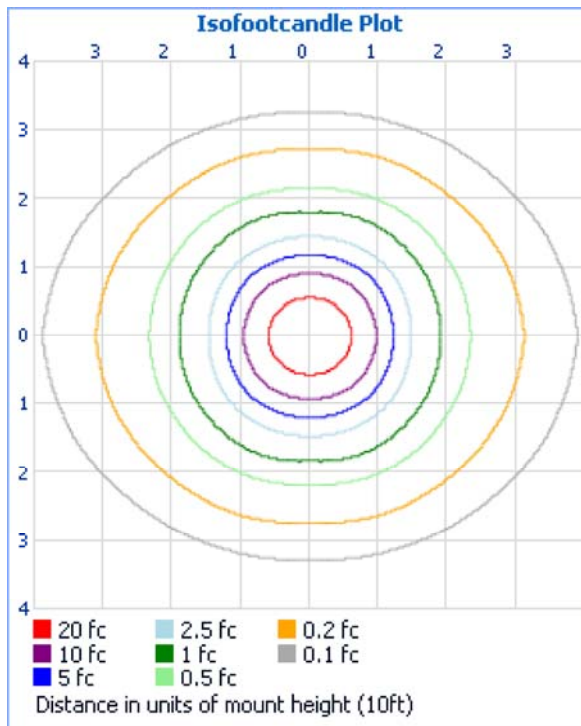
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	79.2%	9,342.9	177.4	150
Beam (50%):	58.4%	6,894.7	104.1	98.1
Total:	86.2%	10,169.9		

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	2,842.8	24.1%	28%
0-40	4,682.2	39.7%	46%
0-60	7,922.9	67.1%	77.9%
60-90	1,632.8	13.8%	16.1%
70-100	1,000.8	8.5%	9.8%
90-120	413.1	3.5%	4.1%
0-90	9,555.7	81%	94%
90-180	612.0	5.2%	6%
0-180	10,167.6	86.2%	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	332.8	3.3%	90-100	180.6	1.8%
10-20	991.4	9.8%	100-110	138.0	1.4%
20-30	1,518.6	14.9%	110-120	94.5	0.9%
30-40	1,839.4	18.1%	120-130	69.6	0.7%
40-50	1,882.7	18.5%	130-140	51.2	0.5%
50-60	1,358.0	13.4%	140-150	37.4	0.4%
60-70	812.7	8.0%	150-160	22.8	0.2%
70-80	516.9	5.1%	160-170	14.0	0.1%
80-90	303.2	3.0%	170-180	4.0	0%



	Center Beam fc	Beam Width	
1.7ft	1,199 fc	3.9 ft	4.4 ft
3.3ft	318 fc	7.6 ft	8.5 ft
5.0ft	139 fc	11.5 ft	12.8 ft
6.7ft	77.2 fc	15.4 ft	17.2 ft
8.3ft	50.3 fc	19.1 ft	21.3 ft
10.0ft	34.7 fc	23.0 ft	25.7 ft

■ Vert. Spread: 98.1°  
■ Horiz. Spread: 104.1°

**Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0			
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	50	30	20	0			
RCR: 0	1.01	1.01	1.01	1.01	.98	.98	.98	.81	.93	.93	.93	.88	.88	.88	.83	.83	.83	.81						
1	.93	.89	.85	.82	.90	.86	.83	.69	.82	.79	.77	.77	.75	.73	.73	.72	.70	.68						
2	.85	.78	.72	.68	.82	.76	.71	.59	.72	.68	.64	.68	.65	.62	.65	.62	.60	.58						
3	.78	.69	.62	.57	.75	.67	.61	.51	.64	.59	.54	.61	.57	.53	.58	.54	.51	.49						
4	.71	.61	.54	.49	.69	.60	.53	.44	.57	.51	.47	.55	.50	.46	.52	.48	.45	.43						
5	.66	.55	.48	.42	.64	.54	.47	.39	.51	.45	.41	.49	.44	.40	.47	.43	.39	.37						
6	.61	.50	.42	.37	.59	.49	.42	.34	.47	.40	.36	.45	.39	.35	.43	.38	.34	.33						
7	.56	.45	.38	.33	.55	.44	.37	.30	.42	.36	.32	.41	.35	.31	.39	.34	.31	.29						
8	.53	.41	.34	.29	.51	.40	.34	.27	.39	.33	.29	.37	.32	.28	.36	.31	.28	.26						
9	.49	.38	.31	.26	.48	.37	.31	.25	.36	.30	.26	.35	.29	.25	.33	.28	.25	.23						
10	.46	.35	.28	.24	.45	.34	.28	.23	.33	.27	.23	.32	.27	.23	.31	.26	.23	.21						

**Candela Table - Type C**

	0	22.5	45	67.5	90
0	3466	3466	3466	3466	3467
5	3456	3460	3466	3466	3463
10	3492	3501	3518	3533	3534
15	3438	3454	3494	3525	3531
20	3413	3439	3510	3557	3566
25	3170	3219	3304	3359	3370
30	2958	3020	3122	3192	3210
35	2759	2846	2973	3069	3095
40	2506	2620	2771	2855	2877
45	2283	2429	2582	2632	2624
50	1837	1946	2044	2048	2007

55	1394	1498	1608	1535	1462
60	942	1055	1110	1107	1098
65	676	764	818	857	882
70	478	539	599	682	737
75	342	380	464	581	658
80	233	271	371	509	575
85	112	154	264	406	446
90	0	50	178	300	324
95	0	43	192	286	309
100	1	56	192	238	241
105	7	72	150	192	201
110	12	63	127	160	167
115	18	56	104	132	136
120	22	54	96	119	124
125	27	51	85	104	107
130	28	48	77	95	98
135	30	46	71	86	88
140	33	46	67	78	82
145	38	50	63	75	77
150	36	45	53	60	62
155	40	46	51	56	54
160	36	43	46	46	46
165	48	54	57	57	56
170	40	42	45	45	45
175	40	40	42	43	42
180	38	38	38	38	38

#### Luminaire Report Summary

IESNA:LM-63-1996

[MANUFAC] TEXAS FLUORESCENTS

[LUMINAIRE] 4/32W T8 4' SURFACE MNT LUMINAIRE W/ WHITE REFL BODY

[LUMINAIRE] WRAP AROUND PRISMATIC LENS REFL=93% WATTS=114

[LUMCAT] 207A432MV

[LAMPCAT] LAMP=F032T8/735

FILE: CANDELA MULTIPLIER: 1.04

FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 5

FILE: COORDINATE SYSTEM: TYPE C

FILE: UNIT OF MEASURE: STANDARD

FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.