



Filename: HBG854M23MV

Manufacturer: Texas Fluorescents

Luminaire: 8/54W T5HO C LAMP 2x4'SUSPENDED HIGH BAY LUMINAIRE MIRO4 SPECULAR REFLECTOR w/ OPEN BOTTOM 2 ADVANCE BALLAST #ICN-4S54-90C-2LS-G WATTS=458

Luminaire Cat: HBG854M23MV

Lamp Cat: FP54T5HO/835C

Lamp Output: 8 lamps, rated Lumens/lamp: 4900

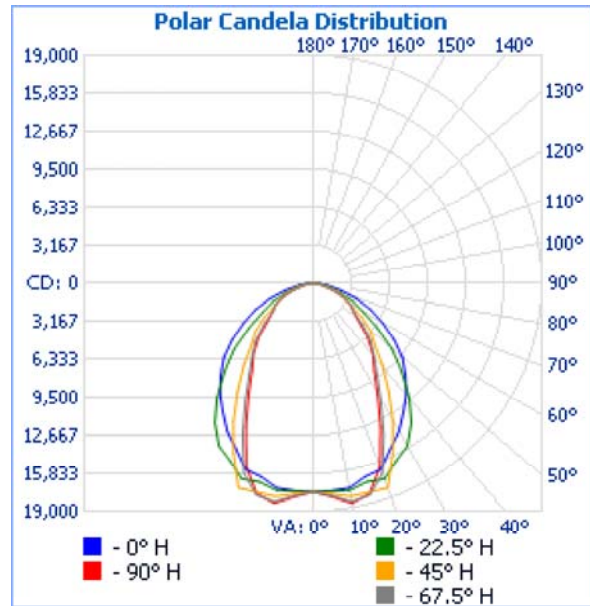
Max Candela: 18,626.0 at Horizontal: 90°, Vertical: 10°

Input Wattage: 458

Luminous Opening: Rectangle (L: 48.19", W: 24.94")

Photometry : Type C

Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	FULL CUTOFF
Distribution:	TYPE II, VERY SHORT
Max Cd, 90 Deg Vert:	0
Max Cd, 80 to <90 Deg:	1,215.0
	Lumens % Lamp
Downward Street Side:	18,464.8 47.1%
Downward House Side:	18,464.8 47.1%
Downward Total:	36,929.6 94.2%
Upward Street Side:	0 0%
Upward House Side:	0 0%
Upward Total:	0 0%
Total Lumens:	36,929.6 94.2%

Flood Summary

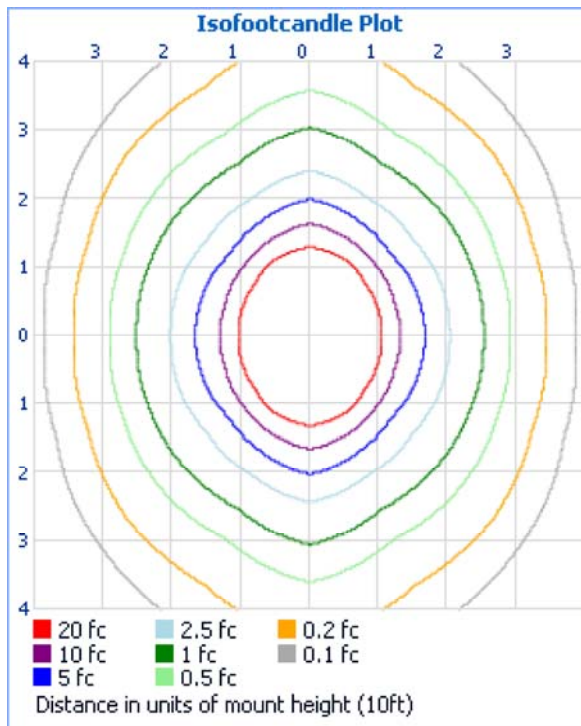
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	91.2%	35,731.2	138.2	150.8
Beam (50%):	56.5%	22,149.0	67.6	96.5
Total:	94.2%	36,912.8		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	13,596.3	34.7%	36.8%
0-40	20,712.1	52.8%	56.1%
0-60	31,991.2	81.6%	86.7%
60-90	4,913.4	12.5%	13.3%
70-100	1,648.7	4.2%	4.5%
90-120	0	0%	0%
0-90	36,904.6	94.1%	100%
90-180	0	0%	0%
0-180	36,904.6	94.1%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,695.1	4.6%	90-100	0	0%
10-20	4,986.6	13.5%	100-110	0	0%
20-30	6,914.6	18.7%	110-120	0	0%
30-40	7,115.7	19.3%	120-130	0	0%
40-50	6,379.5	17.3%	130-140	0	0%
50-60	4,899.7	13.3%	140-150	0	0%
60-70	3,264.7	8.8%	150-160	0	0%
70-80	1,399.7	3.8%	160-170	0	0%
80-90	248.9	0.7%	170-180	0	0%



	Center Beam fc	Beam Width	
1.7R	6,018 fc	3.8 ft	2.3 ft
3.3R	1,597 fc	7.4 ft	4.4 ft
5.0R	696 fc	11.2 ft	6.7 ft
6.7R	387 fc	15.0 ft	9.0 ft
8.3R	252 fc	18.6 ft	11.1 ft
10.0R	174 fc	22.4 ft	13.4 ft

■ Vert. Spread: 96.5°
■ Horiz. Spread: 67.6°

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	0
RCR: 0	1.12	1.12	1.12	1.12	1.09	1.09	1.09	.94	1.05	1.05	1.05	1.00	1.00	1.00	.96	.96	.96	.94
1	1.04	1.00	.97	.94	1.01	.98	.95	.83	.94	.91	.89	.90	.88	.86	.87	.85	.84	.82
2	.96	.89	.83	.79	.93	.87	.82	.72	.84	.80	.76	.81	.77	.74	.78	.75	.73	.71
3	.88	.79	.72	.67	.86	.78	.72	.63	.75	.70	.65	.73	.68	.64	.70	.66	.63	.61
4	.81	.71	.64	.58	.79	.70	.63	.55	.68	.62	.57	.66	.60	.56	.64	.59	.55	.54
5	.75	.64	.57	.51	.74	.63	.56	.49	.61	.55	.50	.60	.54	.50	.58	.53	.49	.47
6	.70	.59	.51	.45	.68	.58	.50	.44	.56	.50	.45	.55	.49	.44	.53	.48	.44	.42
7	.65	.54	.46	.41	.64	.53	.46	.39	.51	.45	.40	.50	.44	.40	.49	.44	.40	.38
8	.61	.49	.42	.37	.60	.49	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
9	.57	.45	.38	.33	.56	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.31
10	.54	.42	.35	.31	.53	.42	.35	.30	.41	.35	.30	.40	.34	.30	.39	.34	.30	.29

Candela Table - Type C

	0	22.5	45	67.5	90
0	17392	17392	17392	17392	17392
5	17358	17417	17594	17771	17854
10	17317	17517	18025	18461	18626
15	16680	17140	18025	18272	18131
20	16456	17329	18131	16821	16232
25	15182	16314	15642	13861	13223
30	14262	15630	13223	11265	10723
35	13082	14226	10947	9260	8859
40	12032	12421	8965	7832	7703
45	10849	10424	7216	6744	6413
50	9685	8540	6263	5332	4942

55	8210	6523	4954	4034	4117
60	6665	4813	3515	3609	3586
65	5320	3621	2913	2807	2689
70	3822	2418	2135	1804	1686
75	2430	1462	1215	790	672
80	1215	766	377	271	247
85	294	165	165	188	188
90	0	0	0	0	0

Luminaire Report Summary

[MANUFAC] Texas Fluorescents
[LUMINAIRE] 8/54W T5HO C LAMP 2x4' SUSPENDED HIGH BAY LUMINAIRE

[MORE] MIRO4 SPECULAR REFLECTOR w/ OPEN BOTTOM
[MORE] 2 ADVANCE BALLAST #ICN-4S54-90C-2LS-G WATTS=458
[LUMCAT] HBG854M23MV
[LAMPCAT] FP54T5HO/835C
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 19, 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.