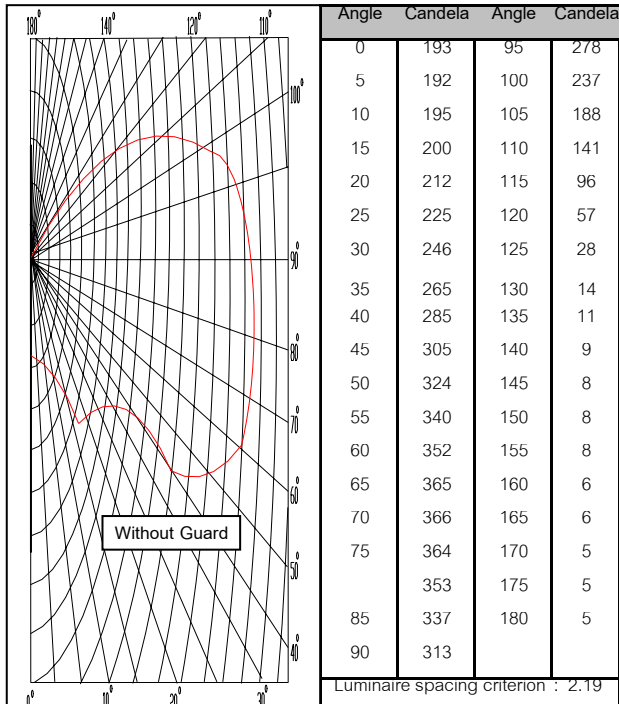


MODEL 125W. Mercury Vapor Lighting Fixtures:

Type FMV 125C (without reflector)

Total Bare Lamp Lumens : 12,700

PHOTOMETRIC DATA

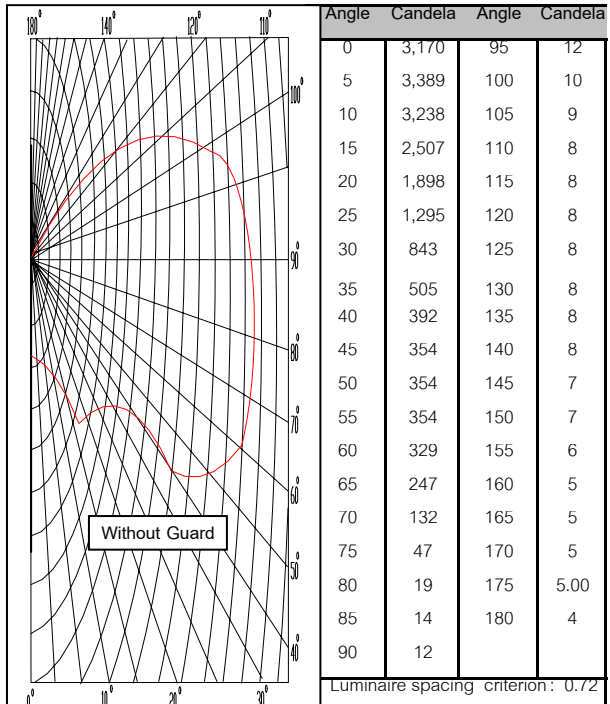


MODEL 125W. Mercury Vapor Lighting Fixtures:

Type FMV 125C (with reflector)

Total Bare Lamp Lumens : 12,700

PHOTOMETRIC DATA



Note: This photometric data is based on 125W. Mercury vapor lamp (6,200 lm.).

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Use following candela/lumen multipliers for other lamp wattage.

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Fixture Series	Lamp lumens	Conversion factor
70W. High Pressure Sodium	5,600	0.90

Fixture Series	Lamp lumens	Conversion factor
70W. High Pressure Sodium	5,600	0.90

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30	182	4.20	6.90
0-40	349	8.00	13.20
0-60	890	20.50	33.70
0-90	1,996	46.00	75.50
90-120	599	13.80	22.70
90-130	628	14.50	23.80
90-150	642	14.80	24.30
90-180	648	14.90	24.50
0-180	2,643	60.90	100.00

Total Luminaire Optical Efficiency = 60.9%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30	1,612	37.10	55.20
0-40	1,958	45.10	67.10
0-60	2,550	58.80	87.40
0-90	2,866	66.00	98.20
90-120	30	0.70	1.00
90-130	38	0.90	1.30
90-150	48	1.10	1.60
90-180	53	1.20	1.80
0-180	2,919	67.30	100.00

Total Luminaire Optical Efficiency = 67.3%

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance (Rfc) 20%

Room Cavity Ratio (RCR)	% Ceiling Rcc				Eff. Ceil.				C									
	80		70		50		30											
	Rw	70	50	30	10	30	10	50		30	10							
0	66	68	68	68	65	65	65	65	59	59	59	53	53	53	48	48	48	46
1	58	53	49	46	55	51	47	43	45	42	39	40	38	35	35	34	32	29
2	51	44	38	34	48	42	36	32	37	33	29	33	29	26	29	26	23	21
3	45	37	31	26	43	35	29	25	31	26	22	27	23	20	24	21	18	16
4	41	32	26	21	38	30	24	20	27	22	18	23	19	16	20	17	14	12
5	37	28	22	17	35	26	20	16	23	18	14	20	16	13	18	14	11	10
6	34	25	18	14	32	23	18	13	21	16	12	18	14	11	16	12	9	8
7	31	22	16	12	29	21	15	11	18	14	10	16	12	9	14	11	8	7
8	29	20	14	10	27	19	13	10	17	12	9	15	11	8	13	9	7	6
9	27	18	12	9	25	17	12	8	15	11	8	13	10	7	12	8	6	5
10	25	16	11	8	23	15	11	7	14	10	7	12	9	6	11	8	5	4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD

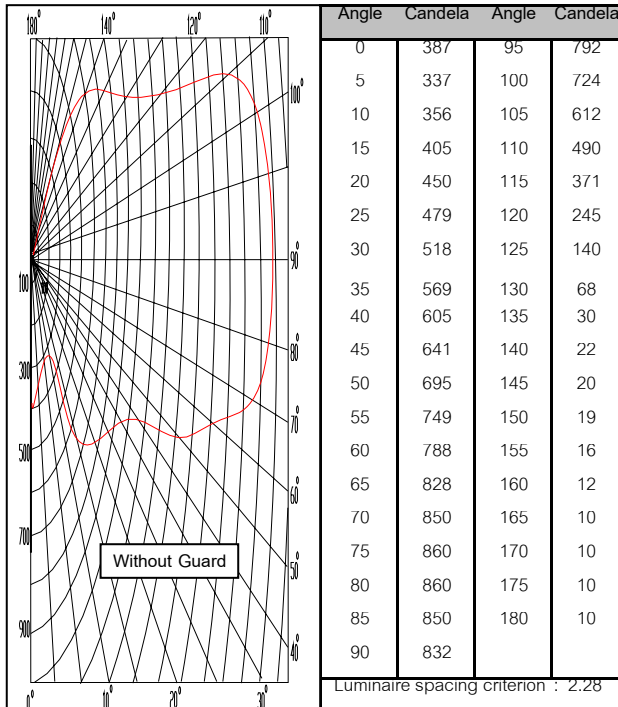
Effective Floor Cavity Reflectance (Rfc) 20%

Room Cavity Ratio (RCR)	% Ceiling Rcc				Eff. Ceil.				C									
	80		70		50		30											
	Rw	70	50	30	10	30	10	50		30	10							
0	79	79	79	79	77	77	77	77	73	73	73	70	70	70	67	67	67	65
1	74	72	69	68	72	70	68	66	67	65	64	64	63	62	62	61	60	58
2	69	65	61	58	67	64	60	58	61	58	56	59	57	55	57	55	53	52
3	64	59	55	51	63	58	54	51	56	53	50	54	51	49	52	50	48	47
4	60	54	50	46	59	53	49	46	52	48	45	50	47	44	48	46	44	42
5	57	50	45	42	55	49	45	41	48	44	41	46	43	40	45	42	40	39
6	53	46	42	38	52	46	41	38	45	41	38	43	40	37	42	39	37	36
7	51	43	39	35	49	43	38	35	42	38	35	41	37	35	40	37	34	33
8	48	41	36	33	47	40	36	33	39	35	32	38	35	32	38	34	32	31
9	46	48	34	31	45	38	34	31	37	33	30	36	33	30	36	32	30	29
10	43	36	32	29	43	36	32	29	35	31	29	34	31	29	34	31	28	27

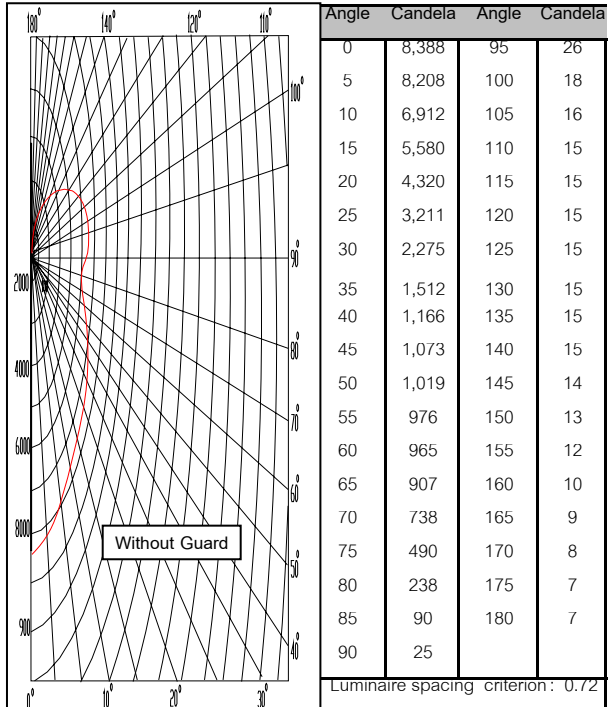
MODEL 250W. Mercury Vapor Lighting Fixtures:
 Type FMV 250C (without reflector)
 Total Bare Lamp Lumens : 12,700

MODEL 250W. Mercury Vapor Lighting Fixtures:
 Type FMV 250C (with reflector)
 Total Bare Lamp Lumens : 12,700

PHOTOMETRIC DATA



PHOTOMETRIC DATA



Note: This photometric data is based on 125W. Mercury vapor lamp (12,700 lm.)

Use following candela/lumen multipliers for other lamp wattage.

Fixture Series	Lamp lumens	Conversion factor
400W. Mercury Vapor	22,000	1.73

Use following candela/lumen multipliers for other lamp wattage.

Fixture Series	Lamp lumens	Conversion factor
400W. Mercury Vapor	22,000	1.73

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30	373	4.20	5.60
0-40	730	8.00	11.00
0-60	1,900	20.50	28.70
0-90	4,551	46.00	68.80
90-120	1,871	13.80	28.30
90-130	2,006	14.50	30.30
90-150	2,048	14.80	31.00
90-180	2,060	14.90	31.20
0-180	6,610	60.90	100.00

Total Luminaire Optical Efficiency = 74.4%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30	3,746	42.10	46.40
0-40	4,744	53.40	58.80
0-60	6,463	72.70	80.10
0-90	7,970	89.70	98.80
90-120	58	0.70	0.70
90-130	71	0.80	0.90
90-150	92	1.00	1.10
90-180	101	1.10	1.20
0-180	8,071	90.80	100.00

Total Luminaire Optical Efficiency = 90.80%

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance (R_{fc}) 20%

Room Cavity Ratio (RCR)	% Ceiling Rcc																	
	80	70	50	30	10	0	80	70	50	30	10	0	80	70	50	30	10	0
0	82	82	82	82	78	78	78	78	69	69	69	61	61	61	54	54	54	51
1	70	64	59	55	65	60	56	52	53	49	46	46	43	40	39	37	35	32
2	62	53	46	40	57	50	43	38	43	38	34	37	33	29	32	28	25	22
3	55	45	37	31	51	42	35	29	36	31	26	31	26	23	26	22	19	16
4	49	39	31	25	46	36	29	24	31	25	21	27	22	18	22	18	15	13
5	45	34	26	20	42	32	25	19	27	21	17	23	18	15	20	16	12	10
6	41	30	22	17	38	28	21	16	24	18	14	21	16	12	17	13	10	8
7	38	27	19	14	35	25	18	14	22	16	12	19	14	10	16	12	9	7
8	35	24	17	12	32	22	16	12	20	14	10	17	12	9	14	10	7	5
9	32	22	15	11	30	20	14	10	18	13	9	15	11	8	13	9	6	4
10	30	20	14	9	28	19	13	9	16	11	8	14	10	7	12	8	6	4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance (R_{fc}) 20%

Room Cavity Ratio (RCR)	% Ceiling Rcc																	
	80	70	50	30	10	0	80	70	50	30	10	0	80	70	50	30	10	0
0	108	108	108	108	105	105	105	105	100	100	100	96	96	96	92	92	92	90
1	100	96	93	89	97	94	91	88	90	87	85	86	84	82	83	81	79	76
2	92	85	80	75	90	84	79	74	80	76	72	77	74	71	74	71	69	67
3	85	77	70	65	83	75	69	64	73	67	63	70	66	60	68	64	61	59
4	79	70	63	57	77	68	62	57	66	60	56	64	59	55	62	58	54	52
5	74	64	57	51	72	63	56	51	61	55	50	59	54	50	57	53	49	47
6	70	59	52	47	68	58	51	46	56	50	46	55	50	45	53	49	45	43
7	65	55	48	43	64	54	47	43	53	47	42	51	46	42	50	45	42	40
8	62	51	44	40	60	50	44	39	49	43	39	48	43	39	47	42	39	37
9	59	48	41	37	57	47	41	37	46	41	37	45	40	36	44	40	36	34
10	56	45	39	35	55	45	39	34	44	38	34	43	38	34	42	37	34	32