

**LUMINAIRE:** MDM22-HLD-EXAM  
 MediMode Multifunctional Patient Room Light, Recessed  
 2 x 2 led with opal lenses  
**BALLAST:** OTi50W/PRG1400/UNV/DIM/L  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 4097  
**WATTS:** 52.10  
**MOUNTING:** Recessed  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.12 90° = 1.12  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 1.71  
 WIDTH: 1.71  
 HEIGHT: 0.04

TEST #16.03333  
 DATE: 12/6/2016

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 79**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.04**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

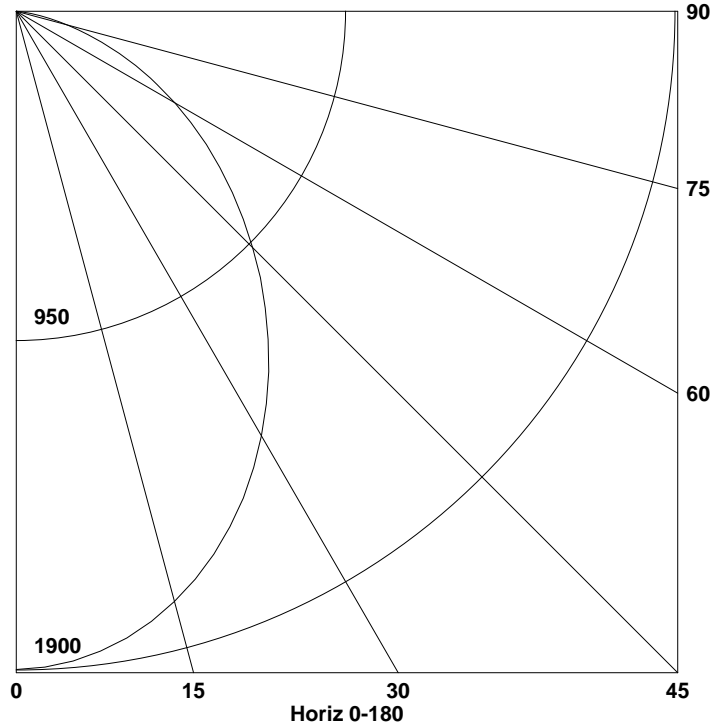
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1387	33.9	33.9
0-40	2180	53.2	53.2
0-60	3524	86.0	86.0
0-90	4097	100.0	100.0
0-180	4097	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	0.0
0	6987
30	5930
40	5264
45	4904
50	4535
55	4155
60	3736
65	3251
70	2660
75	1962
80	1160
85	433

**INDOOR CANDELA PLOT**



0.0 ———

**COEFFICIENTS OF UTILIZATION (%)**

**ZONAL CAVITY METHOD**

**EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
	80%				70%				50%				30%					
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64
R 4	86	75	67	60	83	73	66	60	71	64	59	69	63	58	67	62	58	56
C 5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
R 6	73	61	53	46	72	60	52	46	58	51	46	57	50	46	55	49	45	43
7	68	56	47	41	67	55	47	41	53	46	41	52	45	41	51	45	40	39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.  
 ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.  
 THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: \_\_\_\_\_

**LUMINAIRE:** MDM22-HLD-EXAM  
MediMode Multifunctional Patient Room Light, Recessed  
2 x 2 led with opal lenses

TEST #16.03333  
DATE: 12/6/2016

### CANDELA VALUES

ANGLE	0.0
0.0	1898*
2.5	1893
5.0	1881
7.5	1861
10.0	1835
12.5	1802
15.0	1762
17.5	1717
20.0	1666
22.5	1609
25.0	1549
27.5	1483
30.0	1414
32.5	1342
35.0	1269
37.5	1193
40.0	1117
42.5	1042
45.0	964
47.5	888
50.0	814
52.5	740
55.0	669
57.5	597
60.0	528
62.5	458
65.0	392
67.5	327
70.0	263
72.5	204
75.0	150
77.5	102
80.0	62
82.5	33
85.0	13
87.5	2
90.0	0

\*MAXIMUM CANDELA VALUE