

LUMINAIRE: MDM24-HLD-EXAM-98CHIP
 MediMode Multifunctional Patient Room Light, Recessed
 2 x 4 led with opal lens
BALLAST: Oti85/2A0 @2.0A
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 7935
WATTS: 94.00
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.16 90° = 1.09
LUMINOUS OPENING IN FEET
 LENGTH: 3.71
 WIDTH: 1.71
 HEIGHT: 0.04

TEST #16.03363
 DATE: 1/20/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 84
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.86
BASED ON 3000 HRS. AND \$.08 PER KWH

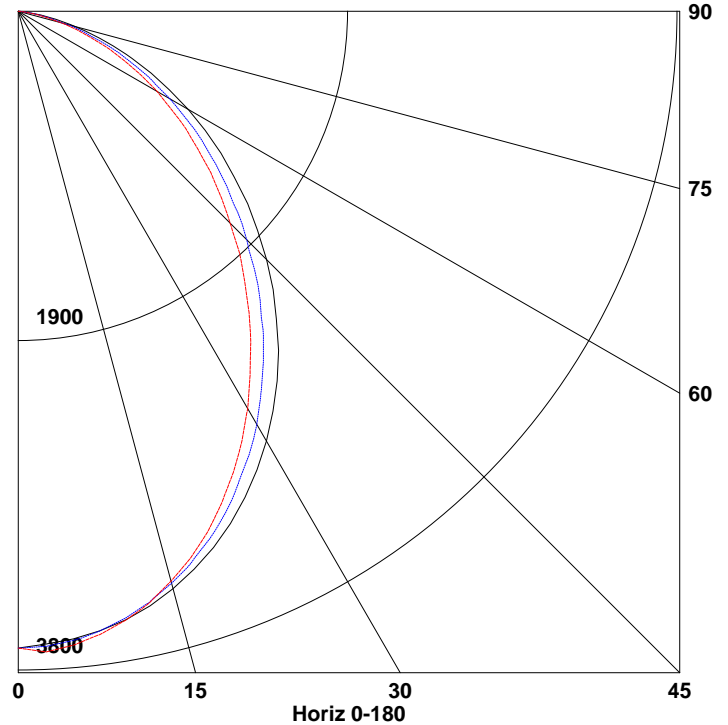
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2688	33.9	33.9
0-40	4227	53.3	53.3
0-60	6824	86.0	86.0
0-90	7935	100.0	100.0
0-180	7935	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	6232	6232	6232	6232	6232
30	5572	5469	5315	5116	5117
40	5084	4951	4709	4449	4414
45	4809	4642	4367	4098	4052
50	4501	4308	4026	3760	3729
55	4157	3966	3686	3432	3375
60	3771	3585	3290	3073	3017
65	3320	3137	2844	2640	2584
70	2775	2608	2345	2178	2098
75	2136	1972	1732	1579	1543
80	1335	1200	1031	938	932
85	537	432	366	331	338

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 3800

COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				50%				30%						
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
RW	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	50	45	43
	7	68	56	47	41	67	55	47	41	53	46	41	52	46	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	32
	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: _____

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CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	3673	3673	3673	3673	3673
2.5	3653	3650	3666	3662	3698*
5.0	3634	3629	3642	3634	3669
7.5	3604	3597	3605	3591	3624
10.0	3564	3554	3554	3535	3566
12.5	3512	3499	3492	3463	3494
15.0	3448	3431	3415	3377	3403
17.5	3374	3354	3330	3284	3306
20.0	3292	3268	3235	3176	3194
22.5	3198	3169	3127	3056	3068
25.0	3093	3060	3004	2928	2935
27.5	2982	2944	2883	2792	2793
30.0	2862	2822	2751	2650	2647
32.5	2734	2688	2606	2497	2489
35.0	2603	2554	2465	2351	2338
37.5	2467	2411	2319	2203	2186
40.0	2316	2271	2169	2052	2032
42.5	2176	2121	2016	1909	1887
45.0	2026	1971	1864	1752	1728
47.5	1872	1817	1716	1612	1587
50.0	1727	1669	1569	1468	1452
52.5	1569	1526	1426	1331	1306
55.0	1427	1377	1289	1203	1179
57.5	1278	1232	1141	1064	1041
60.0	1132	1091	1010	946	925
62.5	983	950	877	817	798
65.0	846	813	745	694	676
67.5	709	685	630	584	568
70.0	576	553	504	470	450
72.5	452	433	398	364	354
75.0	339	322	288	264	256
77.5	237	220	193	179	174
80.0	145	136	120	110	108
82.5	78	69	60	57	54
85.0	31	27	24	22	22
87.5	5	5	4	2	2
90.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE