

LUMINAIRE: MDM24-HLD-AMBIENT-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: 6267
WATTS: 95.10
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.22 90° = 1.21
LUMINOUS OPENING IN FEET
 LENGTH: 3.71
 WIDTH: 1.71
 HEIGHT: 0.00

TEST #16.03364
 DATE: 1/20/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 66

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.64
BASED ON 3000 HRS. AND \$.08 PER KWH

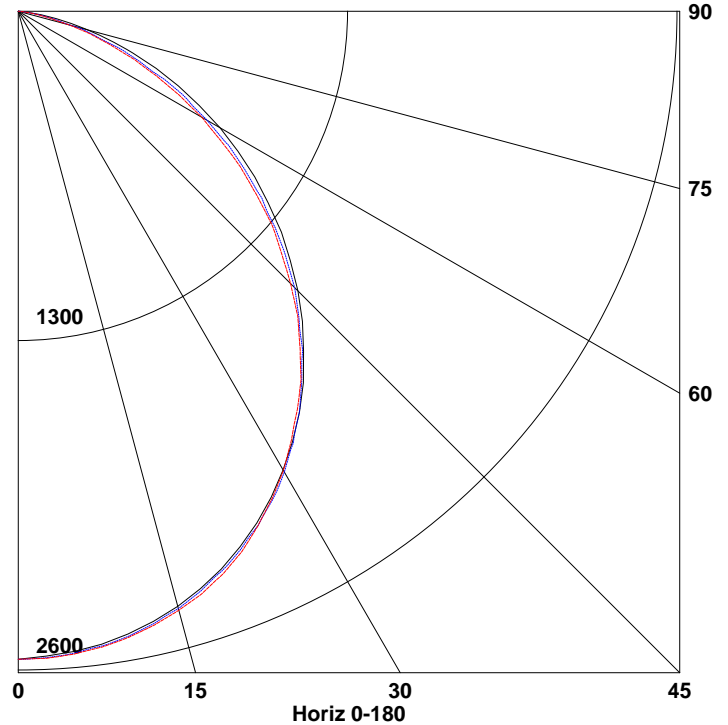
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1962	31.3	31.3
0-40	3169	50.6	50.6
0-60	5341	85.2	85.2
0-90	6267	100.0	100.0
0-180	6267	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	4338	4338	4338	4338	4338
30	4095	4106	4114	4114	4099
40	3878	3894	3865	3849	3832
45	3746	3741	3700	3671	3647
50	3579	3558	3484	3455	3445
55	3369	3328	3233	3189	3165
60	3119	3054	2925	2857	2837
65	2798	2686	2557	2449	2401
70	2386	2232	2079	1964	1915
75	1862	1672	1521	1396	1357
80	1182	1006	889	772	782
85	506	389	331	370	389

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 2600

COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

ZONAL CAVITY METHOD

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	102	100
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	65	63
R	4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
C	5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
R	6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
	7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
	8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
	9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
	10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

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	2557	2557	2557	2557	2557
2.5	2547	2552	2553	2560*	2556
5.0	2536	2541	2542	2551	2546
7.5	2519	2524	2526	2535	2531
10.0	2495	2501	2504	2513	2509
12.5	2466	2472	2475	2486	2481
15.0	2431	2436	2440	2452	2447
17.5	2389	2396	2398	2412	2410
20.0	2342	2348	2350	2366	2363
22.5	2287	2294	2297	2311	2307
25.0	2228	2232	2239	2249	2239
27.5	2162	2167	2173	2177	2169
30.0	2090	2096	2100	2100	2092
32.5	2014	2017	2020	2017	2006
35.0	1934	1936	1933	1928	1920
37.5	1848	1850	1838	1834	1833
40.0	1751	1758	1745	1738	1730
42.5	1660	1663	1639	1639	1633
45.0	1561	1559	1542	1530	1520
47.5	1456	1452	1432	1420	1407
50.0	1356	1348	1320	1309	1305
52.5	1243	1236	1212	1193	1183
55.0	1139	1125	1093	1078	1070
57.5	1028	1008	984	956	945
60.0	919	900	862	842	836
62.5	805	782	752	722	716
65.0	697	669	637	610	598
67.5	589	562	520	501	496
70.0	481	450	419	396	386
72.5	379	351	315	301	297
75.0	284	255	232	213	207
77.5	193	172	151	137	132
80.0	121	103	91	79	80
82.5	65	52	44	44	43
85.0	26	20	17	19	20
87.5	5	4	4	4	4
90.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE