

REPORT NUMBER: ITL82257

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ISSUE DATE: 08/15/14

PREPARED FOR: OXYGEN LIGHTING

CATALOG NUMBER: 3-500-XX

LUMINAIRE: FABRICATED SEMI-SPECULAR METAL HOUSING, FROSTED FLAT GLASS DIFFUSER, FLAT SEMI-DIFFUSE DIFFUSER RETAINING BRACKET. DIFFUSER FROSTED SIDE IN.

LAMP: ONE 7-WATT MR-16 STYLE GU-10 BASE LED LAMP, SATCO
7MR16/LED/40/3K/120V/GU10, TILTED 10-DEGREES FROM VERTICAL BASE-DOWN POSITION.

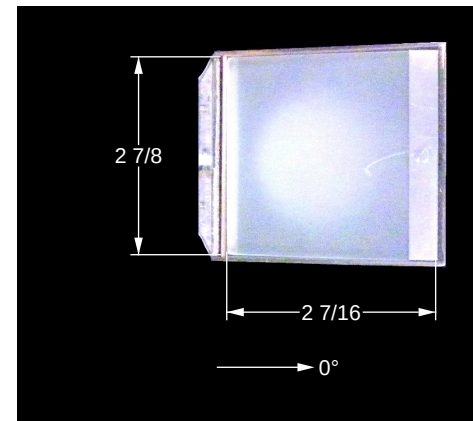
TOTAL INPUT WATTS = 7.08 AT 120.0 VOLTS

MOUNTING: WALL

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE
PROVIDED AT RATED INPUT VOLTAGE
(120VAC, 60Hz) TO THE LAMP.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET



CANDELA DISTRIBUTION

FLUX

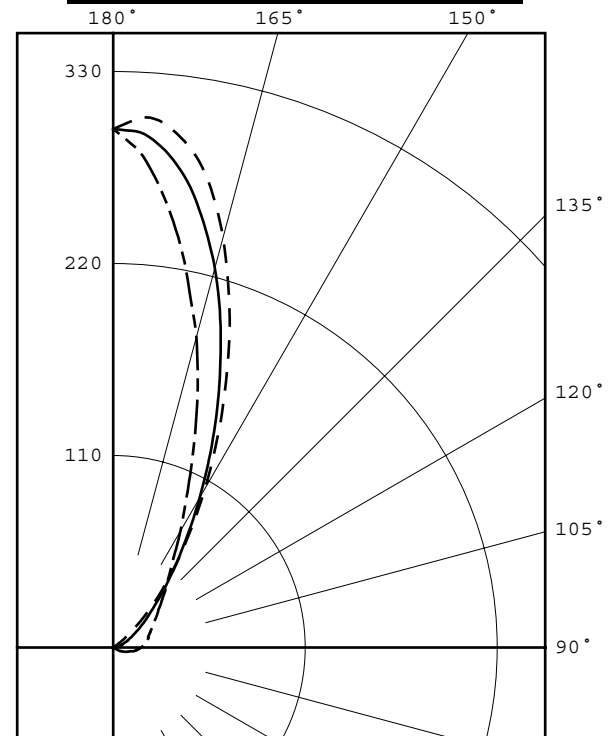
	0.0	45.0	90.0	135.0	180.0	
0	0	0	0	0	0	0
5	0	0	0	0	0	0
15	0	0	0	0	0	0
25	0	0	0	0	0	0
35	0	0	0	0	0	0
45	0	0	0	0	0	0
55	0	0	0	0	0	0
65	0	0	0	0	5	1
75	0	0	0	2	9	2
85	0	0	0	5	14	3
90	0	0	0	7	16	
95	0	0	1	8	18	5
105	0	0	4	12	21	7
115	0	0	9	16	24	9
125	2	10	17	23	30	15
135	25	33	33	34	40	26
145	71	77	69	59	59	43
155	147	152	137	110	102	60
165	243	243	225	195	184	61
175	303	299	290	277	271	27
180	297	297	297	297	297	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	0	0.0
0- 40	0	0.0
0- 60	0	0.0
0- 90	5	2.1
90-120	21	8.2
90-130	36	14.1
90-150	105	40.8
90-180	253	97.9
0-180	258	100.0

EFFICACY = 36.4 lm/W

CIE TYPE - INDIRECT



LEGEND:

0-deg -----
90-deg =====
180-deg -----

Checked N. WHITE

Approved R. BEATTIE
Lighting Engineer



INDEPENDENT TESTING LABORATORIES, INC.
4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

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CANDELA DISTRIBUTION

LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	3	5
70.0	0	0	0	0	0	0	1	4	7
75.0	0	0	0	0	0	0	2	6	9
80.0	0	0	0	0	0	0	4	8	12
85.0	0	0	0	0	0	1	5	10	14
90.0	0	0	0	0	0	3	7	12	16
95.0	0	0	0	0	1	4	8	14	18
100.0	0	0	0	0	2	6	10	16	19
105.0	0	0	0	0	4	8	12	17	21
110.0	0	0	0	2	6	10	14	19	22
115.0	0	0	0	5	9	12	16	21	24
120.0	0	0	4	9	12	15	19	24	27
125.0	2	4	10	14	17	19	23	28	30
130.0	11	14	20	23	24	25	28	33	34
135.0	25	28	33	35	33	32	34	38	40
140.0	45	47	52	52	48	44	44	47	48
145.0	71	73	77	76	69	62	59	59	59
150.0	105	107	111	109	99	88	80	78	77
155.0	147	149	152	149	137	122	110	105	102
160.0	195	196	198	193	180	164	150	141	139
165.0	243	244	243	237	225	209	195	186	184
170.0	283	282	280	273	264	251	239	233	229
175.0	303	302	299	295	290	283	277	273	271
180.0	297	297	297	297	297	297	297	297	297



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	0
5- 10	0
10- 15	0
15- 20	0
20- 25	0
25- 30	0
30- 35	0
35- 40	0
40- 45	0
45- 50	0
50- 55	0
55- 60	0
60- 65	0
65- 70	0
70- 75	1
75- 80	1
80- 85	1
85- 90	2
90- 95	2
95-100	3
100-105	3
105-110	4
110-115	4
115-120	5
120-125	6
125-130	9
130-135	11
135-140	15
140-145	19
145-150	24
150-155	28
155-160	32
160-165	32
165-170	28
170-175	20
175-180	7

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	0
0- 20	0
0- 30	0
0- 40	0
0- 50	0
0- 60	0
0- 70	1
0- 80	2
0- 90	5
0-100	10
0-110	17
0-120	27
0-130	42
0-140	68
0-150	111
0-160	171
0-170	232
0-180	258



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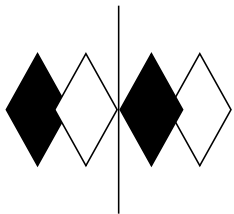
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	96	96	96	96	82	82	82	82	57	57	57	33	33	33	12	12	12	2
1	87	82	78	75	74	71	67	65	49	47	45	28	27	26	10	9	9	1
2	79	72	66	61	67	61	57	53	42	39	37	25	23	22	8	8	7	0
3	71	63	56	50	61	54	48	44	37	34	31	22	20	18	7	7	6	0
4	65	55	48	42	56	47	41	37	33	29	26	19	17	15	6	6	5	0
5	60	49	41	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0
6	55	43	36	31	47	37	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	26	43	34	27	23	23	19	16	14	11	10	5	4	3	0
8	46	35	28	23	40	30	24	20	21	17	14	12	10	8	4	3	3	0
9	43	32	25	20	37	27	21	18	19	15	12	11	9	7	4	3	2	0
10	40	29	22	18	34	25	19	15	17	14	11	10	8	7	4	3	2	0

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.

NOTE: THE ZONAL CAVITY CALCULATION TECHNIQUE IS ACCURATE WHEN LUMINAIRES WITH SYMMETRIC CANDELA DISTRIBUTIONS ARE EMPLOYED AND WHEN THE LUMINAIRES ARE LOCATED SYMMETRICALLY THROUGHOUT THE ROOM. THIS UNIT HAS SPECIAL CHARACTERISTICS AND THEREFORE THESE COEFFICIENTS SHOULD BE USED WITH CAUTION.



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