

REPORT NUMBER: ITL82264

ISSUE DATE: 12/24/14

PREPARED FOR: OXYGEN LIGHTING

CATALOG NUMBER: 3-509-XX

LUMINAIRE: FABRICATED SEMI-SPECULAR METAL HOUSING WITH A TOP AND A BOTTOM APERTURE, FROSTED FLAT GLASS TOP AND BOTTOM DIFFUSERS. DIFFUSERS FROSTED SIDE IN.

LAMPS: TWO 7-WATT MR-16 STYLE GU-10 BASE LED LAMPS, SATCO 7MR16/LED/40/3K/120V/GU10, ONE TILTED 14-DEGREES FROM VERTICAL BASE-UP POSITION, ONE VERTICAL BASE-DOWN POSITION.

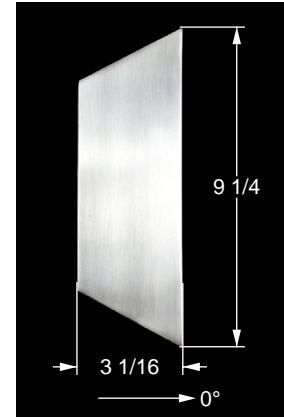
INPUT ELECTRICAL: 120.0 VOLTS, 14.4 WATTS, 0.166 AMPS

MOUNTING: WALL

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

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET



CANDELA DISTRIBUTION

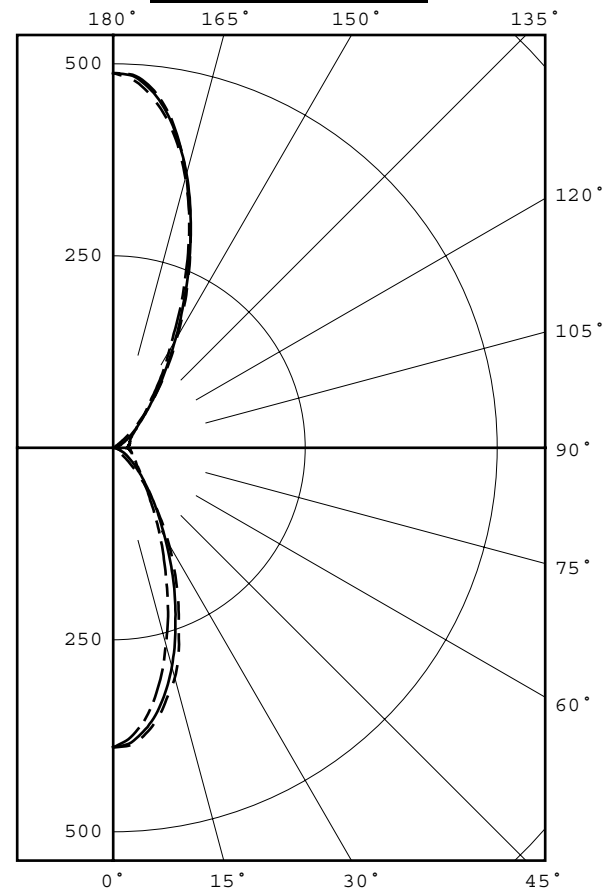
	0.0	45.0	90.0	135.0	180.0
0	390	390	390	390	390
5	382	381	377	372	368
15	310	306	295	276	265
25	195	199	183	162	155
35	102	108	99	87	85
45	39	50	52	51	52
55	3	16	28	34	37
65	0	0	15	25	30
75	0	0	6	19	25
85	0	0	1	17	21
90	0	0	0	16	18
95	0	0	1	15	19
105	0	0	5	15	22
115	0	1	13	20	24
125	7	19	27	30	32
135	47	56	54	52	52
145	117	121	113	104	103
155	227	229	222	215	211
165	363	367	369	368	367
175	469	470	475	478	478
180	488	488	488	488	488

FLUX

35
80
82
61
39
23
14
10
8
8
8
12
22
42
71
102
102
44

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	198	26.0
0- 40	259	34.0
0- 60	320	42.0
0- 90	352	46.3
90-120	28	3.7
90-130	50	6.5
90-150	162	21.3
90-180	409	53.7
0-180	761	100.0



LEGEND:

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

EFFICACY = 52.8 lm/W

CIE TYPE - GENERAL DIFFUSE

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 0.77 0.73 0.66

Checked B. HYRE

Approved R. BEATTIE
Lighting Engineer



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

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LUMINANCE DATA IN CANDELA/SQ M			
ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	27477.	27679.	18744.
55	4650.	14588.	12400.
65	0.	0.	8942.
75	0.	0.	5813.
85	0.	0.	3100.



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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	390	390	390	390	390	390	390	390	390
5.0	382	382	381	380	377	374	372	370	368
10.0	352	351	351	349	344	337	331	327	324
15.0	310	305	306	302	295	284	276	269	265
20.0	250	251	254	248	237	225	216	208	207
25.0	195	197	199	194	183	171	162	154	155
30.0	145	147	149	146	135	125	119	114	115
35.0	102	105	108	106	99	91	87	85	85
40.0	67	71	75	75	71	67	65	65	66
45.0	39	43	50	52	52	51	51	52	52
50.0	18	22	31	36	38	39	41	43	44
55.0	3	7	16	24	28	31	34	36	37
60.0	0	0	6	14	21	25	29	32	33
65.0	0	0	0	8	15	20	25	28	30
70.0	0	0	0	2	10	16	21	26	27
75.0	0	0	0	0	6	13	19	26	25
80.0	0	0	0	0	3	9	18	26	23
85.0	0	0	0	0	1	7	17	26	21
90.0	0	0	0	0	0	6	16	25	18
95.0	0	0	0	0	1	6	15	24	19
100.0	0	0	0	0	2	7	15	23	21
105.0	0	0	0	0	5	10	15	22	22
110.0	0	0	0	3	9	13	16	21	23
115.0	0	0	1	8	13	17	20	22	24
120.0	0	1	7	15	19	22	24	26	27
125.0	7	10	19	24	27	29	30	31	32
130.0	23	27	34	38	38	38	39	39	40
135.0	47	50	56	57	54	53	52	52	52
140.0	78	80	84	83	78	75	72	72	71
145.0	117	119	121	119	113	108	104	103	103
150.0	167	168	170	166	161	156	151	149	146
155.0	227	228	229	228	222	218	215	212	211
160.0	294	296	298	297	295	292	290	288	288
165.0	363	365	367	368	369	368	368	367	367
170.0	426	425	427	429	432	434	434	435	435
175.0	469	469	470	473	475	477	478	478	478
180.0	488	488	488	488	488	488	488	488	488



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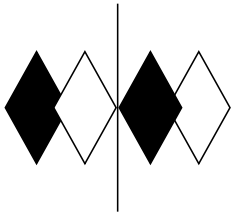
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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	9
5- 10	26
10- 15	37
15- 20	43
20- 25	43
25- 30	39
30- 35	34
35- 40	27
40- 45	22
45- 50	17
50- 55	13
55- 60	10
60- 65	8
65- 70	6
70- 75	5
75- 80	5
80- 85	4
85- 90	4
90- 95	4
95-100	4
100-105	4
105-110	4
110-115	5
115-120	7
120-125	9
125-130	13
130-135	18
135-140	24
140-145	31
145-150	40
150-155	48
155-160	54
160-165	54
165-170	47
170-175	32
175-180	12

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	35
0- 20	115
0- 30	198
0- 40	259
0- 50	297
0- 60	320
0- 70	334
0- 80	344
0- 90	352
0-100	360
0-110	368
0-120	380
0-130	402
0-140	443
0-150	514
0-160	616
0-170	717
0-180	761



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955



NVLAP LAB CODE: 200925-0

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