

REPORT NUMBER: ITL77200

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ISSUE DATE: 06/11/13

PREPARED FOR: OXYGEN LIGHTING

CATALOG NUMBER: 2-6164-124

LUMINAIRE: FORMED SEMI-DIFFUSE METAL HOUSING WITH WHITE PAINTED INTERIOR, CLEAR FLAT GLASS LENS WITH TRANSLUCENT WHITE FINISHED INTERIOR, SPUN SEMI-DIFFUSE LENS RETAINING PLATE. BALLAST IS EXPOSED IN THE CENTER OF THE OPTICAL COMPARTMENT.

LAMP: ONE 22-WATT T-5 CIRCULAR FLUORESCENT, SYLVANIA FPC22/830, HORIZONTAL POSITION.

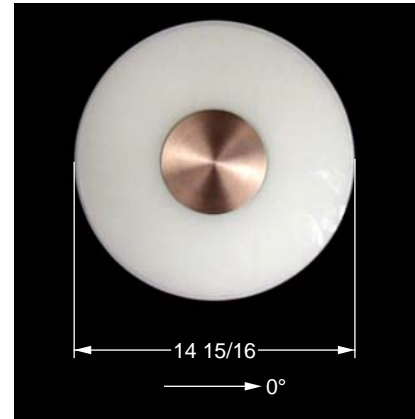
TOTAL INPUT WATTS = 24.8 AT 120.0 VOLTS

TOTAL REFLECTANCE OF PAINT = 81.7 %

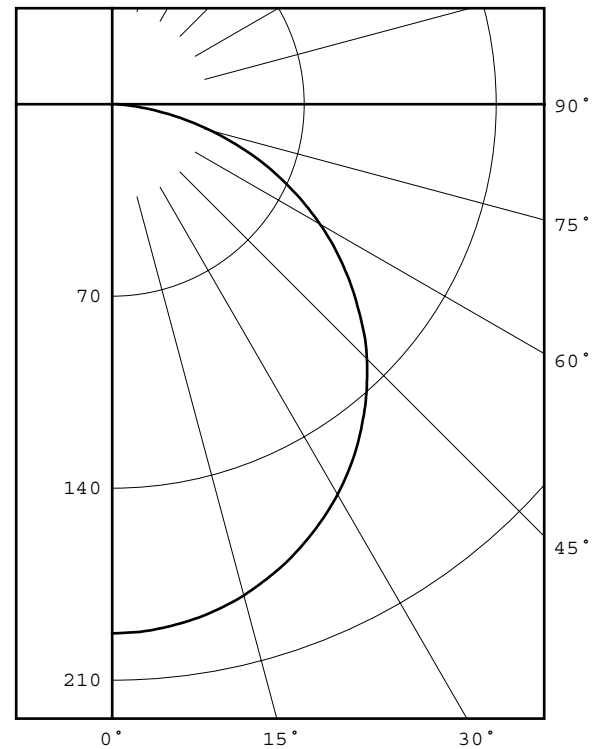
MOUNTING: SURFACE

BALLAST: FULHAM RH3-UNV-226-C

REPORT IS BASED ON 1800 LUMENS PER LAMP.



DEG	CANDELA	LUMENS
0	193	
5	192	18
15	185	52
25	173	80
35	155	97
45	131	101
55	103	92
65	71	70
75	37	39
85	8	10
90	2	
95	2	2
105	2	2
115	2	2
125	2	2
135	2	1
145	2	1
155	2	1
165	2	0
175	2	0
180	2	



ZONAL ZONE	LUMEN LUMENS	%LAMP	%FIXT
0- 30	150	8.3	26.3
0- 40	247	13.7	43.2
0- 60	440	24.4	77.0
0- 90	559	31.1	98.0
90-120	6	0.3	1.1
90-130	8	0.4	1.4
90-150	10	0.6	1.8
90-180	12	0.6	2.0
0-180	571	31.7	100.0

TOTAL LUMINAIRE EFFICIENCY = 31.7 %

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 1.27

Checked B. HYRE

Approved R. BEATTIE
Lighting Engineer



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
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CANDELA DISTRIBUTION

0.0	193
5.0	192
10.0	190
15.0	185
20.0	180
25.0	173
30.0	164
35.0	155
40.0	144
45.0	131
50.0	117
55.0	103
60.0	88
65.0	71
70.0	54
75.0	37
80.0	21
85.0	8
90.0	2
95.0	2
100.0	2
105.0	2
110.0	2
115.0	2
120.0	2
125.0	2
130.0	2
135.0	2
140.0	2
145.0	2
150.0	2
155.0	2
160.0	2
165.0	2
170.0	2
175.0	2
180.0	2



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	5
5- 10	14
10- 15	22
15- 20	30
20- 25	37
25- 30	43
30- 35	47
35- 40	50
40- 45	51
45- 50	50
50- 55	48
55- 60	44
60- 65	39
65- 70	32
70- 75	24
75- 80	15
80- 85	8
85- 90	2
90- 95	1
95-100	1
100-105	1
105-110	1
110-115	1
115-120	1
120-125	1
125-130	1
130-135	1
135-140	1
140-145	1
145-150	1
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	18
0- 20	71
0- 30	150
0- 40	247
0- 50	348
0- 60	440
0- 70	510
0- 80	550
0- 90	559
0-100	561
0-110	564
0-120	565
0-130	567
0-140	569
0-150	570
0-160	571
0-170	571
0-180	571



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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	38	38	38	38	37	37	37	37	35	35	35	33	33	33	32	32	32	31	31
1	34	33	31	30	33	32	31	30	31	30	29	29	28	28	28	27	27	26	26
2	31	29	26	25	30	28	26	24	27	25	24	26	24	23	24	23	22	22	22
3	28	25	22	20	28	24	22	20	23	21	20	22	21	19	22	20	19	18	18
4	26	22	19	17	25	22	19	17	21	19	17	20	18	16	19	18	16	15	15
5	24	20	17	15	23	19	17	15	19	16	14	18	16	14	17	15	14	13	13
6	22	18	15	13	21	17	15	13	17	14	13	16	14	12	16	14	12	12	12
7	20	16	13	11	20	16	13	11	15	13	11	15	13	11	14	12	11	10	10
8	19	15	12	10	18	14	12	10	14	12	10	13	11	10	13	11	10	9	9
9	18	13	11	9	17	13	11	9	13	11	9	12	10	9	12	10	9	8	8
10	17	12	10	8	16	12	10	8	12	10	8	12	9	8	11	9	8	7	7

ALL CANDELA, LUMENS, LUMINANCE, COEFFICIENT OF UTILIZATION AND VCP VALUES IN THIS REPORT ARE BASED ON RELATIVE PHOTOMETRY WHICH ASSUMES A BALLAST FACTOR OF 1.000. ANY CALCULATIONS PREPARED FROM THESE DATA SHOULD INCLUDE AN APPROPRIATE BALLAST FACTOR.