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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
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REPORT NUMBER: ITL58464
PREPARED FOR: OXYGEN LIGHTING
CATALOG NUMBER: 2-6133-24

DATE: 03/13/07

LUMINAIRE: FORMED WHITE PAINTED METAL REFLECTOR/BALLAST MOUNTING PLATE, FROSTED TRANSLUCENT WHITE ACRYLIC DROP DIFFUSER IN FABRICATED SPECULAR METAL FRAME, DIFFUSER FROSTED SIDE OUT. BALLASTS ARE OFFSET ON EITHER SIDE OF CENTER LAMP AND EXPOSED IN OPTICAL COMPARTMENT.

LAMPS: THREE 24-WATT SINGLE ENDED TWIN TUBE FLUORESCENTS, SYLVANIA FT24DL/835. LAMPS HORIZONTAL WITH TUBES HORIZONTAL.

BALLASTS: TWO ANTRON ELECTRONICS CSD-UV24PBX

MOUNTING: SURFACE

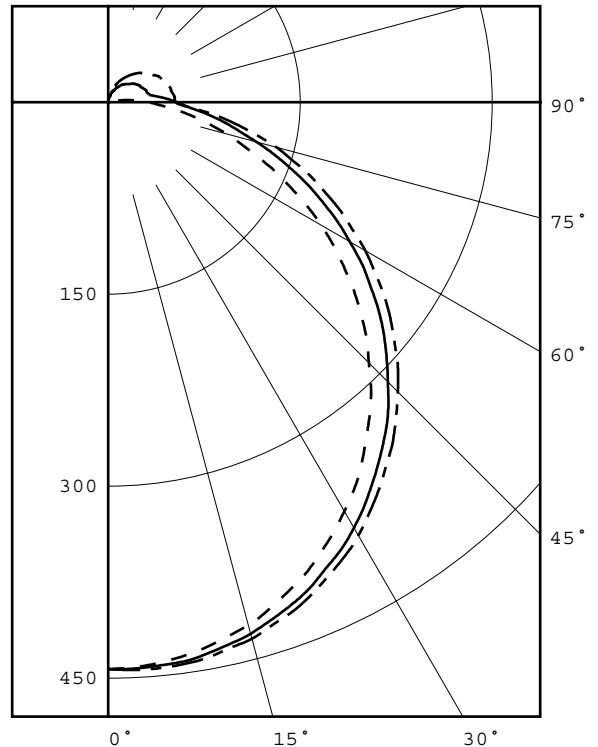
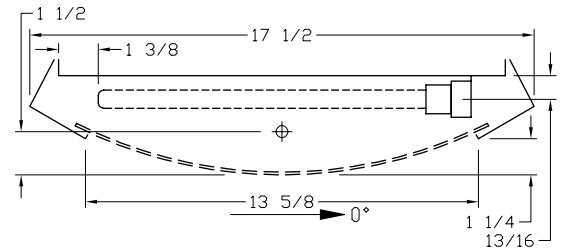
TOTAL REFLECTANCE OF PAINT= 70.2 %

TOTAL INPUT WATTS= 65.4 AT 120.0 VOLTS

REPORT IS BASED ON 1800 LUMENS PER LAMP.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	443	443	443	443	443	
5	440	441	442	443	444	42
15	423	427	430	434	434	121
25	390	399	402	409	408	186
35	345	357	361	371	369	226
45	288	304	309	322	320	240
55	225	244	250	264	263	224
65	157	177	185	201	200	184
75	96	113	120	137	136	128
85	47	64	69	76	72	74
90	32	45	54	57	53	
95	18	29	42	47	52	42
105	0	14	31	44	49	31
115	0	13	28	40	45	26
125	0	11	25	35	39	20
135	0	9	20	28	32	14
145	0	7	15	21	24	9
155	0	4	10	14	16	4
165	0	2	5	7	9	1
175	0	0	0	0	1	0
180	0	0	0	0	0	0



LEGEND:
0-deg: - - - - -
45-deg: = = = = =
90-deg: - - - - -

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	349	6.5	22.2
0- 40	576	10.7	36.6
0- 60	1040	19.3	66.1
0- 90	1426	26.4	90.6
90-120	99	1.8	6.3
90-130	119	2.2	7.6
90-150	142	2.6	9.0
90-180	148	2.7	9.4
0-180	1574	29.1	100.0

TOTAL LUMINAIRE EFFICIENCY = 29.1 %

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.2 1.3

Checked N. WHITE

Approved R. BEATTIE



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	0.0	22.5	45.0	67.5	90.0
0.0	443	443	443	443	443
5.0	440	441	442	443	444
10.0	433	436	438	441	441
15.0	423	427	430	434	434
20.0	408	415	418	423	423
25.0	390	399	402	409	408
30.0	369	380	384	392	391
35.0	345	357	361	371	369
40.0	318	332	337	347	346
45.0	288	304	309	322	320
50.0	258	275	281	294	292
55.0	225	244	250	264	263
60.0	192	211	218	233	232
65.0	157	177	185	201	200
70.0	124	144	152	168	168
75.0	96	113	120	137	136
80.0	70	86	93	104	103
85.0	47	64	69	76	72
90.0	32	45	54	57	53
95.0	18	29	42	47	52
100.0	7	19	33	45	50
105.0	0	14	31	44	49
110.0	0	14	30	42	47
115.0	0	13	28	40	45
120.0	0	12	27	37	42
125.0	0	11	25	35	39
130.0	0	10	22	31	35
135.0	0	9	20	28	32
140.0	0	8	18	25	28
145.0	0	7	15	21	24
150.0	0	5	13	18	20
155.0	0	4	10	14	16
160.0	0	3	8	10	12
165.0	0	2	5	7	9
170.0	0	0	3	4	5
175.0	0	0	0	0	1
180.0	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	11.
5- 10	32.
10- 15	52.
15- 20	70.
20- 25	86.
25- 30	100.
30- 35	110.
35- 40	116.
40- 45	120.
45- 50	120.
50- 55	116.
55- 60	109.
60- 65	98.
65- 70	86.
70- 75	71.
75- 80	57.
80- 85	43.
85- 90	31.
90- 95	24.
95-100	19.
100-105	16.
105-110	15.
110-115	13.
115-120	12.
120-125	11.
125-130	9.
130-135	8.
135-140	6.
140-145	5.
145-150	4.
150-155	3.
155-160	2.
160-165	1.
165-170	0.
170-175	0.
175-180	0.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	34	34	34	34	33	33	33	33	31	31	31	29	29	29	27	27	27	26
1	31	29	28	26	29	28	27	26	26	25	24	25	24	23	23	23	22	21
2	28	25	23	21	27	24	22	21	23	21	20	21	20	19	20	19	18	17
3	25	22	19	17	24	21	19	17	20	18	16	19	17	16	18	16	15	14
4	23	19	17	15	22	19	16	14	18	16	14	17	15	13	16	14	13	12
5	21	17	14	12	20	17	14	12	16	14	12	15	13	12	14	12	11	10
6	19	15	13	11	19	15	12	11	14	12	10	13	12	10	13	11	10	9
7	18	14	11	10	17	14	11	9	13	11	9	12	10	9	12	10	9	8
8	17	13	10	8	16	12	10	8	12	10	8	11	9	8	11	9	8	7
9	16	12	9	8	15	11	9	7	11	9	7	10	8	7	10	8	7	6
10	15	11	8	7	14	10	8	7	10	8	7	10	8	6	9	7	6	6

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.