

REPORT NUMBER: ITL61684

DATE: 02/10/09

PREPARED FOR: OXYGEN LIGHTING

CATALOG NUMBER: 2-5124-124

LUMINAIRE: FABRICATED SEMI-SPECULAR METAL MOUNTING PLATE AND BRACKET,
SPUN SEMI-SPECULAR METAL DIFFUSER MOUNTING BASE WITH DIFFUSE
INTERIOR, CAST SEMI-DIFFUSE METAL
DIFFUSER MOUNTING COLLAR, CYLINDRICAL
FROSTED GLASS DIFFUSER WITH WHITE
FINISHED INTERIOR, OPEN TOP.

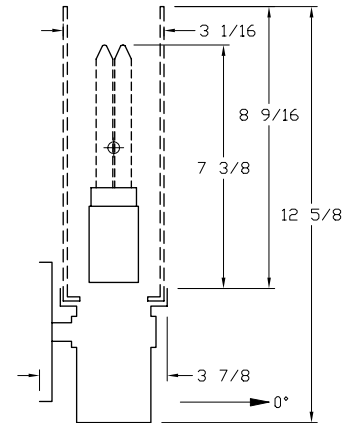
LAMP: ONE 18-WATT DOUBLE TWIN TUBE COMPACT
FLUORESCENT, PENNSYLVANIA CF18DD/E/827,
VERTICAL BASE-DOWN POSITION.

BALLAST: VIVA SU18

MOUNTING: WALL

TOTAL INPUT WATTS = 15.7 AT 120.0 VOLTS

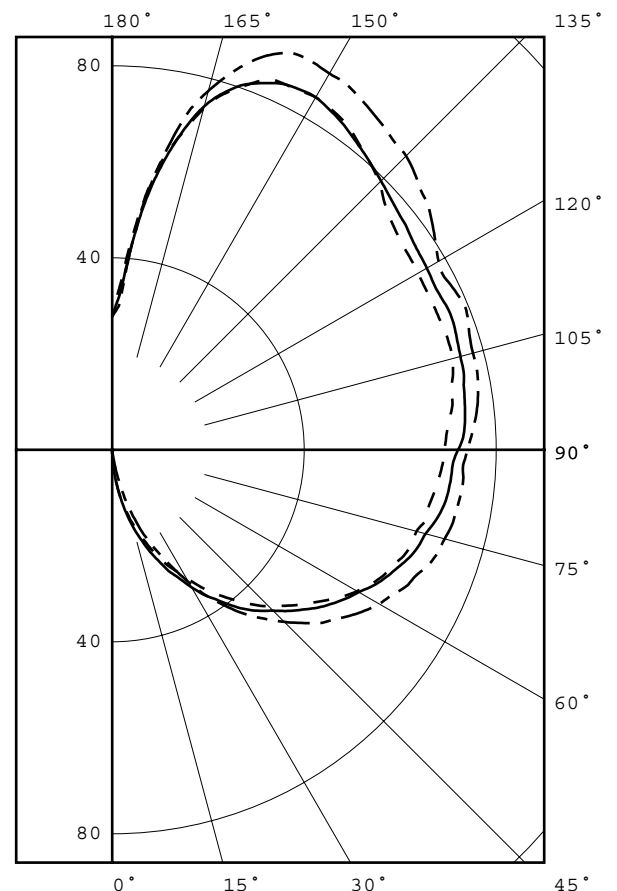
REPORT IS BASED ON 1250 LUMENS PER LAMP.



CANDELA DISTRIBUTION

FLUX

	0.0	45.0	90.0	135.0	180.0	
0	0	0	0	0	0	0
5	5	5	5	3	1	0
15	16	16	17	14	11	4
25	26	27	28	28	25	12
35	36	37	38	40	39	24
45	46	47	47	51	51	37
55	55	56	56	59	60	51
65	62	62	63	67	68	63
75	66	66	68	72	72	72
85	68	69	71	74	73	77
90	69	70	72	75	74	
95	71	71	74	76	76	80
105	73	73	75	78	78	79
115	73	73	76	78	79	75
125	74	73	76	79	82	69
135	79	77	79	84	87	62
145	84	84	83	89	90	54
155	84	88	84	92	91	41
165	74	79	74	81	77	22
175	43	43	41	40	41	4
180	28	28	28	28	28	



ZONAL LUMEN SUMMARY

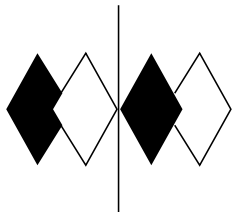
ZONE	LUMENS	%LAMP	%FIXT
0- 30	17	1.3	2.0
0- 40	41	3.3	4.9
0- 60	129	10.3	15.6
0- 90	341	27.3	41.2
90-120	234	18.7	28.3
90-130	303	24.2	36.6
90-150	419	33.5	50.7
90-180	486	38.9	58.8
0-180	827	66.1	100.0

TOTAL LUMINAIRE EFFICIENCY = 66.1 %

CIE TYPE - DIRECT-INDIRECT

Checked B. HYRE

Approved R. BEATTIE



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INDEPENDENT TESTING LABORATORIES, INC.
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

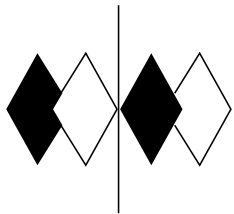
PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

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	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	5	4	5	4	5	3	3	2	1
10.0	10	9	10	9	10	9	7	3	4
15.0	16	15	16	15	17	14	14	10	11
20.0	21	20	21	21	22	20	21	18	18
25.0	26	25	27	26	28	27	28	25	25
30.0	31	31	32	31	33	33	34	32	32
35.0	36	36	37	37	38	38	40	38	39
40.0	41	41	43	42	43	44	46	44	45
45.0	46	45	47	46	47	48	51	50	51
50.0	50	50	51	51	52	53	55	56	56
55.0	55	53	56	55	56	58	59	60	60
60.0	59	56	59	58	59	62	63	63	64
65.0	62	59	62	62	63	65	67	67	68
70.0	65	62	64	65	66	67	69	70	70
75.0	66	64	66	66	68	69	72	72	72
80.0	67	66	68	67	70	71	74	74	73
85.0	68	67	69	68	71	72	74	75	73
90.0	69	67	70	69	72	73	75	75	74
95.0	71	70	71	72	74	76	76	77	76
100.0	72	70	72	73	74	76	77	78	77
105.0	73	71	73	73	75	77	78	77	78
110.0	74	71	73	73	76	77	78	78	79
115.0	73	71	73	74	76	76	78	78	79
120.0	74	72	73	74	76	77	78	78	79
125.0	74	73	73	74	76	77	79	79	82
130.0	75	75	75	76	78	79	81	82	84
135.0	79	78	77	78	79	81	84	85	87
140.0	81	81	80	82	81	84	87	88	88
145.0	84	83	84	85	83	88	89	90	90
150.0	85	84	87	87	85	90	91	93	91
155.0	84	85	88	88	84	91	92	93	91
160.0	81	82	87	85	81	86	89	88	86
165.0	74	73	79	76	74	76	81	76	77
170.0	62	59	64	59	61	60	64	59	62
175.0	43	38	43	38	41	37	40	36	41
180.0	28	28	28	28	28	28	28	28	28



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ZONAL LUMEN SUMMARY

0- 5	0.
5- 10	0.
10- 15	1.
15- 20	3.
20- 25	5.
25- 30	7.
30- 35	10.
35- 40	13.
40- 45	17.
45- 50	20.
50- 55	24.
55- 60	27.
60- 65	30.
65- 70	33.
70- 75	35.
75- 80	37.
80- 85	38.
85- 90	39.
90- 95	40.
95-100	40.
100-105	40.
105-110	39.
110-115	38.
115-120	36.
120-125	35.
125-130	34.
130-135	32.
135-140	30.
140-145	28.
145-150	26.
150-155	22.
155-160	18.
160-165	13.
165-170	8.
170-175	4.
175-180	1.



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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	69	69	69	69	63	63	63	63	52	52	52	41	41	41	32	32	32	27
1	60	56	52	49	54	51	47	44	41	38	36	31	30	28	23	22	20	16
2	53	47	42	37	48	42	38	34	34	30	27	26	23	21	18	17	15	11
3	48	40	34	30	43	36	31	27	29	25	21	22	19	16	15	13	11	8
4	43	35	29	24	39	32	26	22	25	21	17	19	16	13	13	11	9	6
5	40	31	25	20	35	28	22	18	22	18	14	16	13	11	11	9	7	5
6	36	27	21	17	32	24	19	15	19	15	12	15	11	9	10	8	6	4
7	33	24	18	14	30	22	17	13	17	13	10	13	10	8	9	7	5	3
8	31	22	16	12	27	20	15	11	16	12	9	12	9	6	8	6	4	2
9	28	20	14	11	25	18	13	10	14	10	8	11	8	6	8	5	4	2
10	26	18	13	9	24	16	12	8	13	9	7	10	7	5	7	5	3	2

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.