

REPORT NUMBER: ITL61282

DATE: 11/06/08

PREPARED FOR: SCOTT ARCHITECTURAL LIGHTING

LUMINAIRE: FABRICATED WHITE PAINTED METAL MOUNTING PLATE/REFLECTOR,
TRANSLUCENT WHITE FROSTED PLASTIC DIFFUSER IN FABRICATED
SEMI-SPECULAR METAL TRIM/TRIM, DIFFUSER FROSTED SIDE OUT.
OPEN TOP AND BOTTOM.
BALLAST IS EXPOSED AND CENTERED
IN OPTICAL COMPARTMENT.

LAMPS: TWO 13-WATT DOUBLE TWIN TUBE COMPACT
FLUORESCENTS, SYLVANIA CF13DD/E/827,
ONE TILTED 25-DEGREES FROM VERTICAL
BASE-UP POSITION, ONE TILTED
25-DEGREES FROM VERTICAL BASE-DOWN
POSITION.

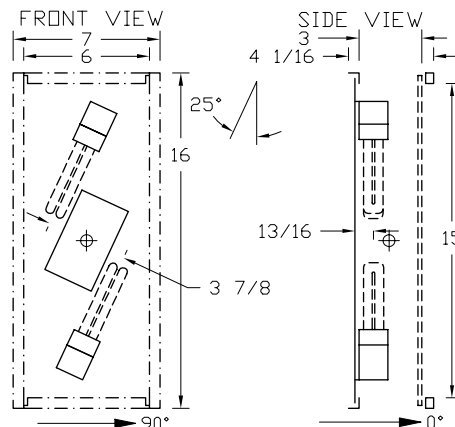
BALLAST: ADVANCE ICF-2S13-M1-BS

MOUNTING: WALL

TOTAL REFLECTANCE OF PAINT = 87.3 %

TOTAL INPUT WATTS = 30.2 AT 120.0 VOLTS

REPORT IS BASED ON 900 LUMENS PER LAMP.



CANDELA DISTRIBUTION

	0.0	90.0	180.0	270.0
0	61	61	61	61
5	128	73	46	66
15	134	96	47	81
25	120	78	37	99
35	129	72	22	101
45	150	80	14	97
55	171	88	8	98
65	189	94	5	101
75	200	98	3	103
85	205	99	1	104
90	205	98	0	104
95	203	97	1	104
105	196	96	3	102
115	183	94	5	97
125	164	90	8	90
135	144	89	15	82
145	125	92	23	74
155	120	88	37	81
165	121	70	46	91
175	87	54	51	65
180	47	47	47	47

FLUX

8
26
39
50
64
79
93
103
108
107
102
91
76
62
49
38
24
7

ZONAL LUMEN SUMMARY

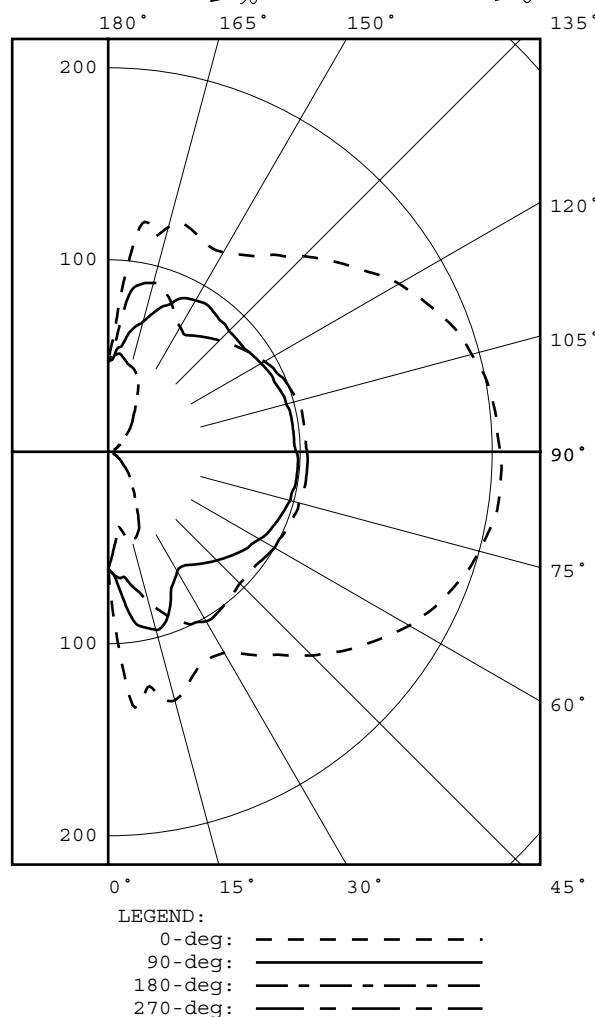
ZONE	LUMENS	%LAMP	%FIXT
0- 30	72	4.0	6.4
0- 40	122	6.8	10.9
0- 60	266	14.8	23.6
0- 90	570	31.7	50.7
90-120	299	16.6	26.6
90-130	375	20.8	33.4
90-150	486	27.0	43.2
90-180	554	30.8	49.3
0-180	1124	62.5	100.0

TOTAL LUMINAIRE EFFICIENCY = 62.5 %

CIE TYPE - DIRECT-INDIRECT

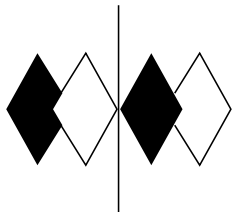
PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 3.0 1.9 0.9



Checked N. WHITE

Approved R. BEATTIE



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INDEPENDENT TESTING LABORATORIES, INC.
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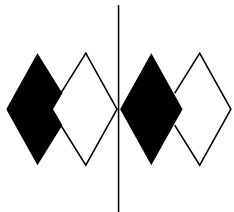
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	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	61	61	61	61	61	61	61	61	61	61
5.0	128	121	119	90	73	68	62	51	46	48
10.0	124	143	153	130	92	89	75	47	42	39
15.0	134	132	129	132	96	87	62	52	47	44
20.0	126	122	114	111	91	76	47	45	45	45
25.0	120	113	104	94	78	66	42	39	37	42
30.0	121	114	104	89	72	57	38	30	28	35
35.0	129	120	109	92	72	51	32	22	22	29
40.0	138	129	118	98	76	50	28	18	18	23
45.0	150	140	127	105	80	50	24	14	14	18
50.0	161	151	136	112	84	50	22	10	10	12
55.0	171	161	145	118	88	51	20	8	8	9
60.0	181	170	153	124	91	51	19	6	6	7
65.0	189	178	159	129	94	52	18	5	5	5
70.0	195	184	165	133	96	53	18	4	3	4
75.0	200	189	169	137	98	53	17	3	3	3
80.0	204	193	172	139	99	54	17	2	2	2
85.0	205	194	173	140	99	53	16	1	1	1
90.0	205	194	173	139	98	52	15	0	0	0
95.0	203	192	171	138	97	52	15	1	1	0
100.0	201	190	170	137	97	53	16	2	2	2
105.0	196	186	166	135	96	52	16	3	3	3
110.0	191	181	162	132	95	52	17	4	4	4
115.0	183	174	156	128	94	52	18	5	5	5
120.0	175	166	150	124	92	52	20	7	6	6
125.0	164	157	143	120	90	53	22	9	8	8
130.0	154	147	137	116	89	55	25	13	11	11
135.0	144	139	130	113	89	58	31	18	15	14
140.0	134	130	125	110	90	64	37	24	19	19
145.0	125	124	119	108	92	71	45	30	23	24
150.0	120	121	114	106	91	76	53	36	29	31
155.0	120	121	116	100	88	79	60	43	37	40
160.0	124	126	118	90	80	79	61	46	43	44
165.0	121	116	101	75	70	73	59	45	46	50
170.0	121	104	86	71	63	60	55	48	49	58
175.0	87	72	76	59	54	47	49	48	51	52
180.0	47	47	47	47	47	47	47	47	47	47



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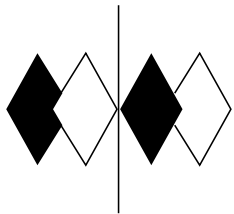
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CANDELA DISTRIBUTION

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	61	61	61	61	61	61	61
5.0	52	62	66	75	95	110	128
10.0	47	61	71	78	94	111	124
15.0	53	73	81	90	114	130	134
20.0	59	81	91	101	124	132	126
25.0	59	83	99	108	123	126	120
30.0	54	80	102	115	124	126	121
35.0	46	74	101	118	130	131	129
40.0	38	68	99	120	135	139	138
45.0	32	62	97	123	141	148	150
50.0	27	59	97	126	148	158	161
55.0	23	57	98	131	156	168	171
60.0	21	56	100	135	163	177	181
65.0	19	56	101	139	168	185	189
70.0	18	56	102	142	173	191	195
75.0	17	56	103	145	177	196	200
80.0	17	56	104	146	180	199	204
85.0	16	55	104	147	181	201	205
90.0	14	54	104	146	180	200	205
95.0	16	56	104	145	178	197	203
100.0	17	56	103	144	176	194	201
105.0	17	55	102	141	173	190	196
110.0	18	54	100	137	168	184	191
115.0	18	54	97	132	161	177	183
120.0	19	53	94	127	154	169	175
125.0	20	52	90	120	146	159	164
130.0	22	52	86	113	136	148	154
135.0	25	51	82	106	127	137	144
140.0	29	51	78	99	117	127	134
145.0	33	53	74	92	110	119	125
150.0	38	59	75	90	105	114	120
155.0	43	68	81	97	106	115	120
160.0	48	76	88	109	114	121	124
165.0	64	85	91	109	126	124	121
170.0	74	86	88	90	122	128	121
175.0	58	57	65	61	75	75	87
180.0	47	47	47	47	47	47	47



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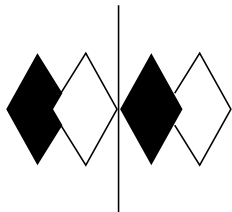
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ZONAL LUMEN SUMMARY

0- 5	2.
5- 10	6.
10- 15	11.
15- 20	15.
20- 25	18.
25- 30	21.
30- 35	24.
35- 40	27.
40- 45	30.
45- 50	34.
50- 55	38.
55- 60	41.
60- 65	45.
65- 70	48.
70- 75	51.
75- 80	53.
80- 85	54.
85- 90	54.
90- 95	54.
95-100	53.
100-105	52.
105-110	50.
110-115	47.
115-120	44.
120-125	40.
125-130	36.
130-135	33.
135-140	29.
140-145	26.
145-150	23.
150-155	20.
155-160	18.
160-165	14.
165-170	10.
170-175	5.
175-180	1.



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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	67	67	67	67	62	62	62	62	52	52	52	44	44	44	35	35	35	32
1	58	54	51	48	53	50	47	44	41	39	37	34	32	30	27	25	24	21
2	52	46	41	37	47	42	38	34	35	31	28	28	26	23	22	20	18	15
3	47	40	34	29	43	36	31	27	30	26	23	24	21	19	19	16	14	12
4	42	34	29	24	39	32	26	22	26	22	19	21	18	15	16	14	12	9
5	39	30	25	20	35	28	23	19	23	19	16	19	15	13	14	12	10	8
6	36	27	21	17	32	25	20	16	21	16	13	17	13	11	13	10	8	6
7	33	24	19	15	30	22	17	14	19	15	12	15	12	9	12	9	7	6
8	30	22	17	13	28	20	15	12	17	13	10	14	11	8	11	8	6	5
9	28	20	15	11	26	18	14	11	15	12	9	13	9	7	10	7	6	4
10	26	18	13	10	24	17	12	9	14	10	8	12	9	7	9	7	5	4

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.

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.