

REPORT NUMBER: ITL61281

DATE: 11/07/08

PREPARED FOR: SCOTT ARCHITECTURAL LIGHTING

LUMINAIRE: FABRICATED WHITE PAINTED METAL REFLECTOR/MOUNTING PLATE,
TRANSLUCENT WHITE PLASTIC DIFFUSER, FABRICATED BRONZE
FINISHED DIFFUSER MOUNTING BRACKETS. OPEN
TOP, BOTTOM AND SIDES.

LAMPS: TWO 26-WATT DOUBLE TWIN TUBE COMPACT
FLUORESCENTS, SYLVANIA CF26DD/E/830,
ONE VERTICAL BASE-UP POSITION, ONE
VERTICAL BASE-DOWN POSITION.

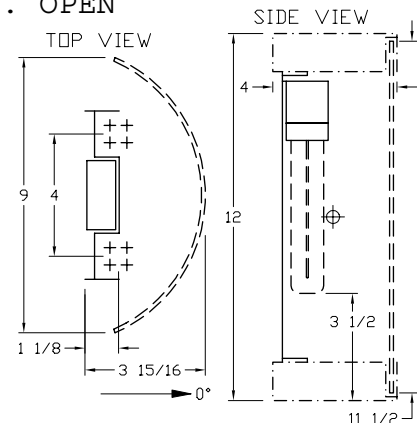
BALLAST: ADVANCE ICF-2S26-H1-LD

MOUNTING: WALL

TOTAL REFLECTANCE OF PAINT = 88.9 %

TOTAL INPUT WATTS = 51.3 AT 120.0 VOLTS

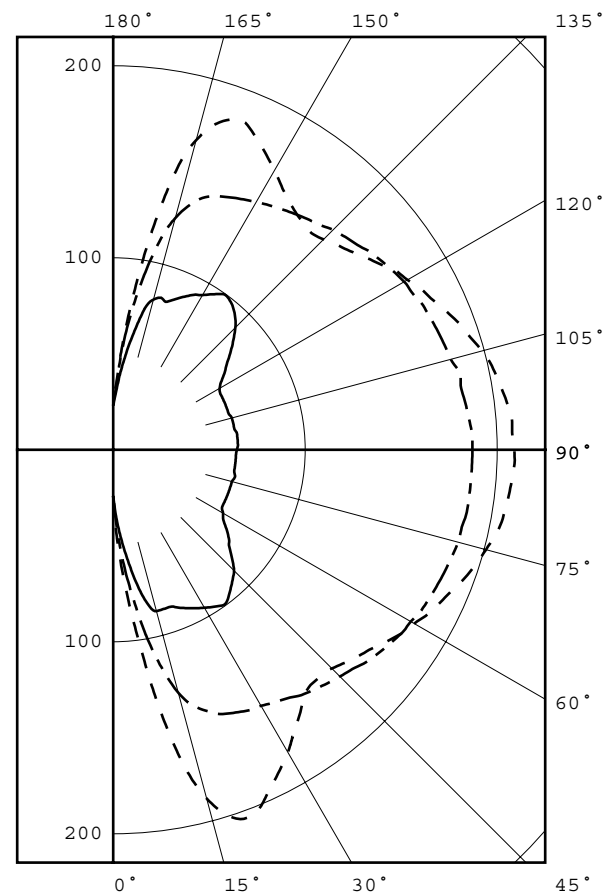
REPORT IS BASED ON 1710 LUMENS PER LAMP.



CANDELA DISTRIBUTION

FLUX

	0.0	45.0	90.0	135.0	180.0	
0	24	24	24	24	24	6
5	71	65	46	48	58	34
15	188	146	87	92	131	63
25	194	172	91	105	151	81
35	169	136	99	101	158	94
45	161	123	89	98	167	108
55	174	126	72	96	176	123
65	188	136	64	96	182	136
75	201	146	64	97	186	141
85	208	151	64	96	187	141
90	209	150	64	96	187	141
95	208	150	65	96	186	133
105	199	143	64	94	182	120
115	184	133	63	94	178	105
125	169	121	71	93	171	91
135	155	116	90	95	162	78
145	159	129	99	99	153	59
155	178	162	88	103	145	31
165	167	126	81	89	125	5
175	55	49	39	44	52	
180	23	23	23	23	23	



LEGEND:

0-deg: - - - - -
90-deg: _____
180-deg:

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	103	3.0	6.7
0- 40	184	5.4	11.9
0- 60	387	11.3	24.9
0- 90	787	23.0	50.7
90-120	394	11.5	25.4
90-130	499	14.6	32.2
90-150	668	19.5	43.1
90-180	764	22.3	49.3
0-180	1551	45.3	100.0

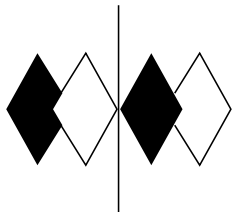
TOTAL LUMINAIRE EFFICIENCY = 45.3 %

CIE TYPE - DIRECT-INDIRECT

PLANE : 0-DEG 90-DEG 180-DEG
SPACING CRITERIA : 4.6 3.0 4.5

Checked N. WHITE

Approved R. BEATTIE



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

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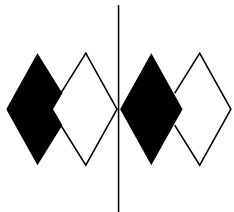
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	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	24	24	24	24	24	24	24	24	24
5.0	71	61	65	47	46	42	48	49	58
10.0	135	124	110	85	71	61	73	84	98
15.0	188	179	146	118	87	77	92	115	131
20.0	204	195	174	129	87	89	103	130	145
25.0	194	187	172	133	91	99	105	134	151
30.0	182	171	156	139	95	105	104	136	154
35.0	169	157	136	133	99	108	101	137	158
40.0	160	148	125	121	95	107	99	138	163
45.0	161	147	123	108	89	104	98	140	167
50.0	167	152	122	97	79	101	96	142	172
55.0	174	158	126	92	72	99	96	144	176
60.0	181	165	130	93	66	98	95	146	179
65.0	188	172	136	95	64	98	96	147	182
70.0	195	179	141	97	64	98	96	146	184
75.0	201	185	146	100	64	98	97	144	186
80.0	206	189	149	101	64	98	97	141	187
85.0	208	192	151	102	64	98	96	137	187
90.0	209	192	150	102	64	98	96	132	187
95.0	208	191	150	102	65	97	96	136	186
100.0	204	188	147	100	64	96	95	139	184
105.0	199	182	143	98	64	95	94	142	182
110.0	192	176	138	95	63	94	94	143	180
115.0	184	168	133	92	63	94	94	143	178
120.0	177	161	127	89	64	95	93	142	175
125.0	169	154	121	88	71	96	93	140	171
130.0	161	147	117	94	80	98	94	138	166
135.0	155	141	116	106	90	101	95	136	162
140.0	154	141	117	118	97	103	97	134	157
145.0	159	149	129	128	99	104	99	133	153
150.0	168	158	148	132	93	101	102	132	149
155.0	178	170	162	123	88	95	103	131	145
160.0	183	172	156	118	82	85	100	126	140
165.0	167	154	126	103	81	73	89	110	125
170.0	115	99	91	69	62	57	70	78	92
175.0	55	47	49	37	39	36	44	43	52
180.0	23	23	23	23	23	23	23	23	23



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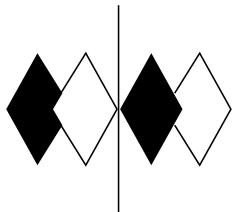
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ZONAL LUMEN SUMMARY

0- 5	1.
5- 10	5.
10- 15	13.
15- 20	22.
20- 25	29.
25- 30	34.
30- 35	39.
35- 40	42.
40- 45	45.
45- 50	49.
50- 55	52.
55- 60	56.
60- 65	60.
65- 70	63.
70- 75	67.
75- 80	69.
80- 85	70.
85- 90	71.
90- 95	71.
95-100	70.
100-105	68.
105-110	65.
110-115	62.
115-120	58.
120-125	54.
125-130	51.
130-135	47.
135-140	44.
140-145	41.
145-150	37.
150-155	33.
155-160	27.
160-165	20.
165-170	11.
170-175	4.
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	49	49	49	49	45	45	45	45	38	38	38	32	32	32	26	26	26	23
1	42	40	37	35	39	36	34	32	30	29	27	25	23	22	20	19	18	15
2	38	33	30	27	34	31	28	25	25	23	21	21	19	17	16	15	14	11
3	34	29	25	22	31	26	23	20	22	19	17	18	16	14	14	12	11	9
4	31	25	21	18	28	23	19	16	19	16	14	15	13	11	12	10	9	7
5	28	22	18	15	26	20	17	14	17	14	12	14	11	9	11	9	7	6
6	26	20	16	13	24	18	14	12	15	12	10	12	10	8	10	8	6	5
7	24	18	14	11	22	16	13	10	14	11	9	11	9	7	9	7	5	4
8	22	16	12	9	20	15	11	9	12	9	7	10	8	6	8	6	5	4
9	21	15	11	8	19	13	10	8	11	8	7	9	7	5	7	5	4	3
10	19	13	10	7	17	12	9	7	10	8	6	8	6	5	7	5	4	3

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.