



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

905 Harrison Street · Allentown, PA 18103 · (610) 770-1044 · Fax (610) 770-8912 · www.LuminaireTesting.com

LTL NUMBER: 05650

DATE: 04-19-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 6VF113E-06000SCL

LUMINAIRE: FORMED STEEL HOUSING, SPUN SPECULAR ALUMINUM REFLECTOR, NO ENCLOSURE.

LAMP: ONE SYLVANIA CF13DD/E/835 RATED AT 900 LUMENS.

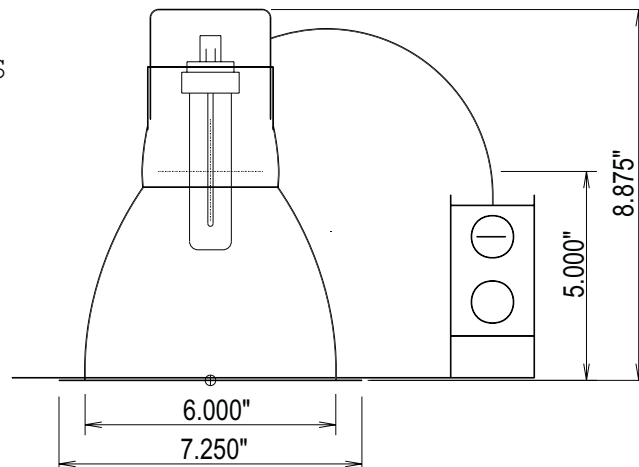
BALLAST: ONE ADVANCE ICF-2S13-H1-LD

MOUNTING: RECESSED

TOTAL INPUT WATTS = 14.9 AT 120.0 VOLTS

#05650

DEG	CANDELA	LUMENS
0	460	
5	505	45
15	329	94
25	280	129
35	185	114
45	61	49
55	1	5
65	0	0
75	0	0
85	0	0
90	0	



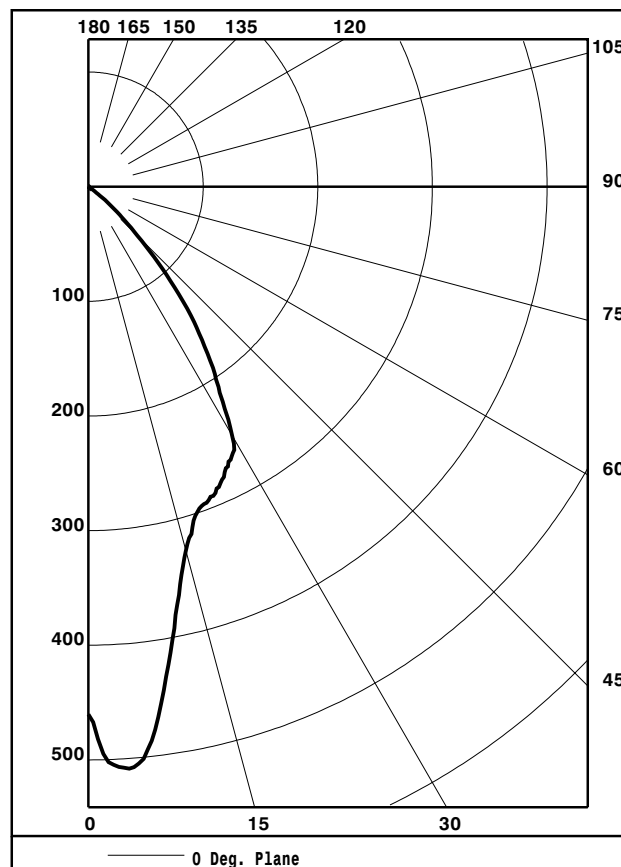
ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	268	29.8	61.4
0- 40	382	42.5	87.6
0- 60	436	48.5	100.0
0- 90	436	48.5	100.0
90-180	0	0.0	0.0
0-180	436	48.5	100.0

TOTAL LUMINAIRE EFFICIENCY: 48.5%
CIE TYPE: DIRECT
LUMINAIRE SPACING CRITERION = 0.8
LUMINOUS DIAMETER: 6.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	25215.
45	4729.
55	96.
65	0.
75	0.
85	0.



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER

THIS REPORT BASED ON LM-41 AND OTHER PERTINENT IES PROCEDURES.



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

905 Harrison Street · Allentown, PA 18103 · (610) 770-1044 · Fax (610) 770-8912 · www.LuminaireTesting.com

LTL NUMBER: 05650

DATE: 04-19-2001

PREPARED FOR: VANTAGE LUMINAIRES

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	58	58	58	58	56	56	56	56	54	54	54	52	52	52	49	49	49	48
1	55	54	53	52	54	53	52	51	51	50	49	49	48	48	47	47	46	45
2	52	50	48	47	51	49	48	46	48	46	45	46	45	44	45	44	43	42
3	50	47	44	42	49	46	44	42	45	43	41	44	42	41	43	41	40	39
4	47	43	41	39	46	43	40	39	42	40	38	41	39	38	40	38	37	36
5	45	41	38	36	44	40	37	35	39	37	35	38	36	35	38	36	34	34
6	42	38	35	33	42	38	35	33	37	34	33	36	34	32	36	34	32	31
7	40	35	32	30	39	35	32	30	34	32	30	34	32	30	33	31	30	29
8	38	33	30	28	37	33	30	28	32	29	28	32	29	28	31	29	27	27
9	35	30	27	25	35	30	27	25	30	27	25	29	27	25	29	27	25	24
10	33	28	25	23	33	28	25	23	28	25	23	27	25	23	27	25	23	22

CANDELA DISTRIBUTION

	0.0
0	460
5	505
10	413
15	329
20	295
25	280
30	251
35	185
40	122
45	61
50	24
55	1
60	0
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	12.
5- 10	33.
10- 15	43.
15- 20	50.
20- 25	61.
25- 30	68.
30- 35	63.
35- 40	52.
40- 45	33.
45- 50	16.
50- 55	5.
55- 60	0.
60- 65	0.
65- 70	0.
70- 75	0.
75- 80	0.
80- 85	0.
85- 90	0.

THIS TEST WAS CONDUCTED USING RELATIVE PHOTOMETRY TECHNIQUES ACCORDING TO STANDARD IESNA PROCEDURES. THE USER MUST THEREFORE USE CAUTION IN THE FOLLOWING SITUATIONS: 1) THIS TEST WAS PERFORMED USING A SPECIFIC BALLAST/LAMP COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER BALLAST/LAMP COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. 2) ACCORDING TO IESNA PROCEDURES, THE BALLAST(S) AND LAMP(S) ARE PRESUMED TO PRODUCE 100% OF RATED OUTPUT. AN APPROPRIATE BALLAST FACTOR MUST BE APPLIED TO THE LUMEN OUTPUT RATINGS AND LUMINOUS INTENSITY VALUES GIVEN. 3) THIS TEST WAS CONDUCTED IN A CONTROLLED LABORATORY ENVIRONMENT WHERE THE AMBIENT TEMPERATURE WAS HELD AT 25°C ±1°C. FIELD PERFORMANCE MAY DIFFER PARTICULARLY IN REGARDS TO CHANGE IN LUMINOUS OUTPUT AS A RESULT OF DIFFERENCE IN AMBIENT TEMPERATURE AND METHOD OF MOUNTING THE LUMINAIRE.



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

905 Harrison Street · Allentown, PA 18103 · (610) 770-1044 · Fax (610) 770-8912 · www.LuminaireTesting.com

LTL NUMBER: 05650

DATE: 04-19-2001

PREPARED FOR: VANTAGE LUMINAIRES

VISUAL COMFORT PROBABILITY TABLE

RATED LUMENS PER LAMP 900.

100. FC. ROOM		REFLECTANCES 80/50/20 LUMINAIRES 0 DEG PLANE				LUMINAIRES 90 DEG PLANE			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	99	93	95	86	99	93	95	86
20	30	99	94	96	86	99	94	96	86
20	40	99	94	96	86	99	94	96	86
20	60	99	94	96	86	99	94	96	86
30	20	99	94	96	87	99	94	96	87
30	30	99	94	96	88	99	94	96	88
30	40	99	94	96	88	99	94	96	88
30	60	99	94	96	88	99	94	96	88
30	80	99	94	96	88	99	94	96	88
40	20	99	94	96	88	99	94	96	88
40	30	99	94	96	88	99	94	96	88
40	40	99	94	96	88	99	94	96	88
40	60	99	94	96	88	99	94	96	88
40	80	99	94	96	88	99	94	96	88
40	100	99	94	96	88	99	94	96	88
60	30	99	94	96	88	99	94	96	88
60	40	99	94	96	88	99	94	96	88
60	60	99	94	96	88	99	94	96	88
60	80	99	94	96	88	99	94	96	88
60	100	99	94	96	88	99	94	96	88
100	40	99	94	96	88	99	94	96	88
100	60	99	94	96	88	99	94	96	88
100	80	99	94	96	89	99	94	96	89
100	100	99	94	96	89	99	94	96	89



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

905 Harrison Street · Allentown, PA 18103 · (610) 770-1044 · Fax (610) 770-8912 · www.LuminaireTesting.com

LTL TEST #05650

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	12.8	4.9
8.0	7.2	6.5
10.0	4.6	8.2
12.0	3.2	9.8
14.0	2.3	11.4
16.0	1.8	13.1

NOTE: 'Dia' spans the edge-points that are half of nadir FC