



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING  
MEMBER

905 Harrison Street · Allentown, PA 18103 · (610) 770-1044 · Fax (610) 770-8912 · ltl1@thebridgeworks.com

LTL NUMBER: 05305

DATE: 08-04-2000

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: A7VF118E-07000SCL

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

LAMP: ONE SYLVANIA CF18DD/E/835 RATED AT 1800 LUMENS.

NOTE: THIS TEST WAS PRORATED FROM LTL TEST#05304 USING A LUMEN RATING  
OF 1800 TO REFLECT THE LUMEN OUTPUT OF A SYLVANIA CF26DD/E/835.

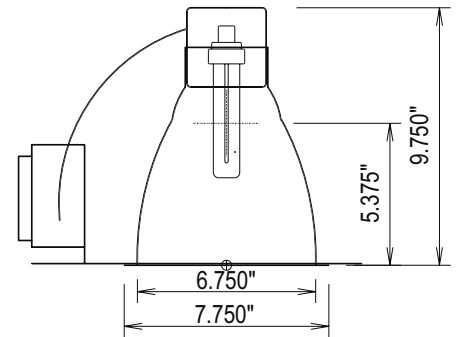
BALLAST: ONE ADVANCE ICF-2S18-H1-LD

MOUNTING: RECESSED

#05305

TOTAL INPUT WATTS = 19.5 AT 120.0 VOLTS

DEG	CANDELA	LUMENS
0	853	
5	874	80
15	649	187
25	643	293
35	444	277
45	247	187
55	60	58
65	0	2
75	0	0
85	0	0
90	0	



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	560	31.1	51.7
0- 40	837	46.5	77.2
0- 60	1082	60.1	99.8
0- 90	1084	60.2	100.0
90-180	0	0.0	0.0
0-180	1084	60.2	100.0

TOTAL LUMINAIRE EFFICIENCY: 60.2%

CIE TYPE: DIRECT

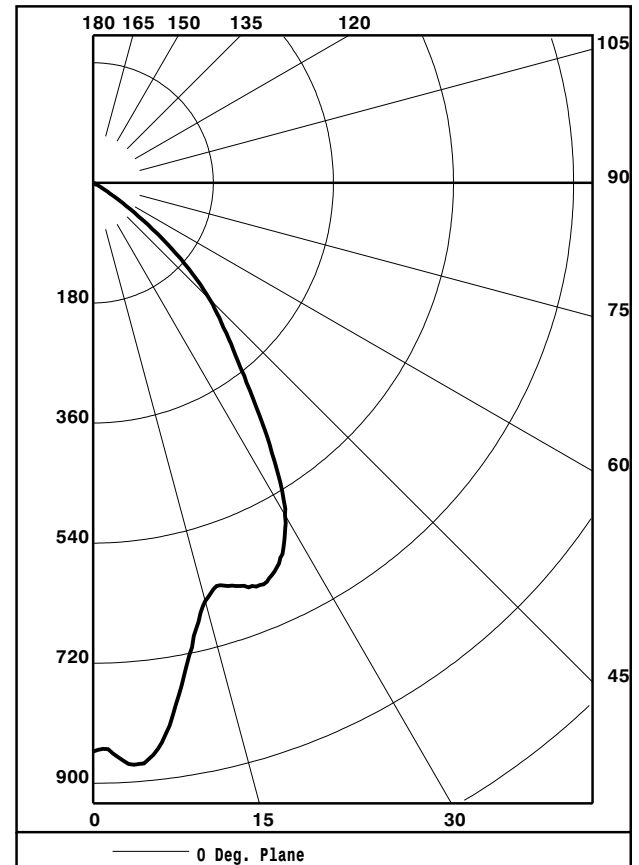
LUMINAIRE SPACING CRITERION = 1.0

LUMINOUS DIAMETER: 6.750

#### LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	36945.
45	15129.
55	4531.
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.



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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	72	72	72	72	70	70	70	70	67	67	67	64	64	64	61	61	61	60
1	68	66	65	63	67	65	64	62	63	61	60	60	59	59	58	58	57	56
2	64	61	59	57	63	60	58	56	58	56	55	57	55	54	55	54	52	51
3	61	57	53	51	60	56	53	50	54	52	50	53	51	49	51	50	48	47
4	57	52	49	46	56	52	48	46	50	47	45	49	47	45	48	46	44	43
5	54	48	44	41	53	48	44	41	46	43	41	45	43	40	44	42	40	39
6	51	45	41	38	50	44	40	38	43	40	37	42	39	37	41	39	37	36
7	47	41	37	34	46	41	37	34	40	36	34	39	36	34	38	36	34	33
8	44	38	34	31	43	37	33	31	37	33	30	36	33	30	35	32	30	29
9	41	34	30	27	40	34	30	27	33	30	27	33	30	27	32	29	27	26
10	38	32	27	25	38	31	27	25	31	27	25	30	27	25	30	27	24	24

CANDELA DISTRIBUTION

	0.0
0	853
5	874
10	764
15	649
20	643
25	643
30	575
35	444
40	327
45	247
50	153
55	60
60	9
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	21.
5- 10	60.
10- 15	83.
15- 20	104.
20- 25	137.
25- 30	156.
30- 35	151.
35- 40	126.
40- 45	106.
45- 50	81.
50- 55	45.
55- 60	13.
60- 65	2.
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.



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LTL TEST #05305

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	23.7	6.3
8.0	13.3	8.4
10.0	8.5	10.5
12.0	5.9	12.6
14.0	4.4	14.7
16.0	3.3	16.8

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