



# LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING  
MEMBER

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

LTL NUMBER: 06130

DATE: 09-11-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 7VF1X26E1-7000SCL

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

LAMP: ONE SYLVANIA CF26DD/E/835 RATED AT 1800 LUMENS.

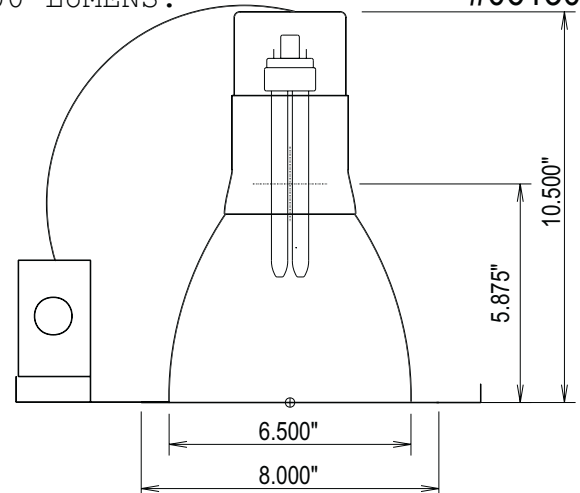
BALLAST: ONE ADVANCE ICF-2S26-H1-LD

MOUNTING: RECESSED

TOTAL INPUT WATTS = 27.1 AT 120.0 VOLTS

#06130

DEG	CANDELA	LUMENS
0	1081	
5	1110	98
15	704	201
25	551	250
35	292	178
45	99	77
55	2	7
65	0	0
75	0	0
85	0	0
90	0	



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	549	30.5	67.7
0- 40	727	40.4	89.6
0- 60	812	45.1	100.0
0- 90	812	45.1	100.0
90-180	0	0.0	0.0
0-180	812	45.1	100.0

TOTAL LUMINAIRE EFFICIENCY: 45.1%

CIE TYPE: DIRECT

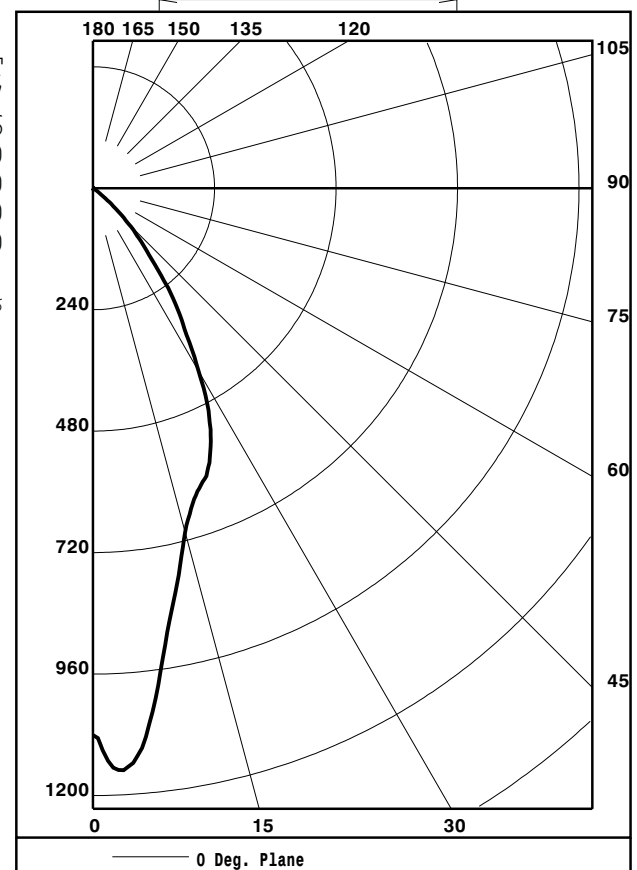
LUMINAIRE SPACING CRITERION = 0.7

LUMINOUS DIAMETER: 6.500

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	50490.
45	6539.
55	163.
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	54	54	54	54	52	52	52	52	50	50	50	48	48	48	46	46	46	45
1	51	50	49	48	50	49	48	47	47	47	46	46	45	45	44	44	43	43
2	49	47	45	44	48	46	45	43	45	43	42	43	42	41	42	41	41	40
3	47	44	42	40	46	43	41	40	42	40	39	41	40	39	40	39	38	37
4	44	41	39	37	43	41	38	37	40	38	36	39	37	36	38	36	35	35
5	42	38	36	34	41	38	36	34	37	35	34	36	35	33	36	34	33	32
6	40	36	34	32	39	36	33	32	35	33	31	35	33	31	34	32	31	30
7	38	34	31	29	37	34	31	29	33	31	29	33	31	29	32	30	29	28
8	36	32	29	27	35	31	29	27	31	29	27	30	28	27	30	28	27	26
9	34	29	27	25	33	29	27	25	29	26	25	28	26	25	28	26	25	24
10	32	27	25	23	31	27	25	23	27	25	23	27	24	23	26	24	23	22

CANDELA DISTRIBUTION

	0.0
0	1081
5	1110
10	869
15	704
20	624
25	551
30	417
35	292
40	172
45	99
50	37
55	2
60	0
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	28.
5- 10	71.
10- 15	93.
15- 20	108.
20- 25	125.
25- 30	125.
30- 35	101.
35- 40	77.
40- 45	50.
45- 50	27.
50- 55	7.
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.



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VISUAL COMFORT PROBABILITY TABLE

RATED LUMENS PER LAMP 1800.

100. FC. REFLECTANCES 80/50/20		LUMINAIRES 0 DEG PLANE				LUMINAIRES 90 DEG PLANE			
ROOM									
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	98	91	93	81	98	91	93	81
20	30	98	91	93	82	98	91	93	82
20	40	98	91	93	82	98	91	93	82
20	60	98	91	93	82	98	91	93	82
30	20	98	91	93	84	98	91	93	84
30	30	98	91	93	84	98	91	93	84
30	40	98	91	93	84	98	91	93	84
30	60	98	91	94	84	98	91	94	84
30	80	98	91	94	84	98	91	94	84
40	20	98	91	93	84	98	91	93	84
40	30	98	91	93	84	98	91	93	84
40	40	98	91	94	84	98	91	94	84
40	60	98	91	94	84	98	91	94	84
40	80	98	92	94	84	98	92	94	84
40	100	98	92	94	85	98	92	94	85
60	30	98	91	94	84	98	91	94	84
60	40	98	91	94	84	98	91	94	84
60	60	98	92	94	85	98	92	94	85
60	80	98	92	94	85	98	92	94	85
60	100	98	92	94	85	98	92	94	85
100	40	98	92	94	85	98	92	94	85
100	60	98	92	94	85	98	92	94	85
100	80	98	92	94	85	98	92	94	85
100	100	98	92	94	85	98	92	94	85



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LTL TEST #06130

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	30.0	4.1
8.0	16.9	5.5
10.0	10.8	6.8
12.0	7.5	8.2
14.0	5.5	9.6
16.0	4.2	10.9

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