



# 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: 06128

DATE: 09-07-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 6VF1X26E1-6050SCL/BL

LUMINAIRE: FORMED STEEL HOUSING, SPUN SPECULAR ALUMINUM REFLECTOR WITH  
SPUN BLACK ENAMEL ALUMINUM BAFFLE, NO ENCLOSURE.

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

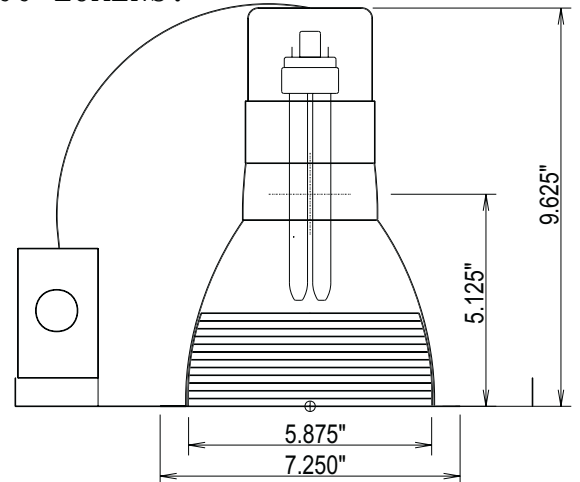
BALLAST: ONE ADVANCE ICF-2S26-H1-LD

MOUNTING: RECESSED

TOTAL INPUT WATTS = 27.2 AT 120.0 VOLTS

#06128

DEG	CANDELA	LUMENS
0	526	
5	529	50
15	423	122
25	348	159
35	221	138
45	111	85
55	32	30
65	0	0
75	0	0
85	0	0
90	0	0



## ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	331	18.4	56.6
0- 40	469	26.1	80.3
0- 60	584	32.5	100.0
0- 90	584	32.5	100.0
90-180	0	0.0	0.0
0-180	584	32.5	100.0

TOTAL LUMINAIRE EFFICIENCY: 32.5%

CIE TYPE: DIRECT

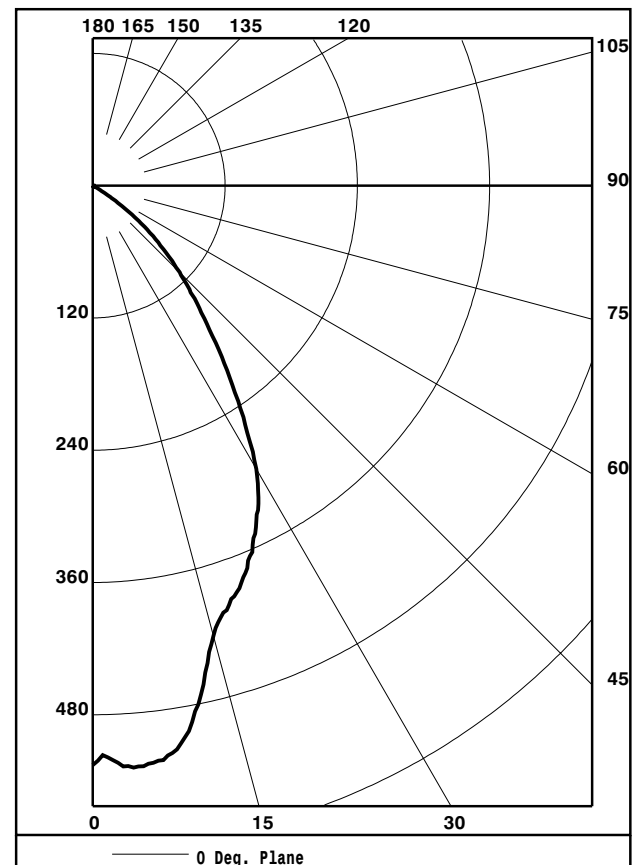
LUMINAIRE SPACING CRITERION = 0.9

LUMINOUS DIAMETER: 5.875

## LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	30073.
45	8975.
55	3190.
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](http://www.LuminaireTesting.com)

LTL NUMBER: 06128

DATE: 09-07-2001

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	39	39	39	39	38	38	38	38	36	36	36	35	35	35	33	33	33	32
1	37	36	35	34	36	35	34	34	34	33	33	33	32	32	32	31	31	30
2	35	33	32	31	34	33	31	30	32	31	30	31	30	29	30	29	29	28
3	33	31	29	28	32	30	29	28	30	28	27	29	28	27	28	27	26	26
4	31	29	27	25	31	28	26	25	27	26	25	27	26	24	26	25	24	24
5	29	26	24	23	29	26	24	23	26	24	23	25	24	22	24	23	22	22
6	28	25	23	21	27	24	22	21	24	22	21	23	22	21	23	22	21	20
7	26	23	21	19	26	23	21	19	22	20	19	22	20	19	21	20	19	18
8	24	21	19	17	24	21	19	17	20	19	17	20	18	17	20	18	17	17
9	23	19	17	16	22	19	17	16	19	17	16	18	17	16	18	17	16	15
10	21	18	16	14	21	18	16	14	17	16	14	17	15	14	17	15	14	14

CANDELA DISTRIBUTION

	0.0
0	526
5	529
10	503
15	423
20	389
25	348
30	297
35	221
40	157
45	111
50	71
55	32
60	3
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	13.
5- 10	37.
10- 15	55.
15- 20	67.
20- 25	77.
25- 30	82.
30- 35	76.
35- 40	62.
40- 45	49.
45- 50	36.
50- 55	23.
55- 60	7.
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](http://www.LuminaireTesting.com)

LTL NUMBER: 06128

DATE: 09-07-2001

PREPARED FOR: VANTAGE LUMINAIRES

VISUAL COMFORT PROBABILITY TABLE

RATED LUMENS PER LAMP 1800.

100. FC. REFLECTANCES 80/50/20  
ROOM 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	84	81	80	66	84	81	80	66
20	30	84	81	80	70	84	81	80	70
20	40	85	81	81	70	85	81	81	70
20	60	85	82	81	70	85	82	81	70
30	20	84	81	80	69	84	81	80	69
30	30	85	82	81	71	85	82	81	71
30	40	85	82	81	72	85	82	81	72
30	60	85	82	81	72	85	82	81	72
30	80	85	82	81	72	85	82	81	72
40	20	84	81	81	71	84	81	81	71
40	30	85	82	81	74	85	82	81	74
40	40	85	82	81	74	85	82	81	74
40	60	85	82	81	74	85	82	81	74
40	80	85	82	81	74	85	82	81	74
40	100	85	82	81	74	85	82	81	74
60	30	85	82	81	74	85	82	81	74
60	40	85	82	81	74	85	82	81	74
60	60	85	82	81	74	85	82	81	74
60	80	85	82	81	74	85	82	81	74
60	100	85	82	81	74	85	82	81	74
100	40	85	82	81	74	85	82	81	74
100	60	85	82	81	74	85	82	81	74
100	80	85	82	82	74	85	82	82	74
100	100	85	82	82	74	85	82	82	74



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 TEST #06128

### CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	14.6	5.5
8.0	8.2	7.4
10.0	5.3	9.2
12.0	3.7	11.0
14.0	2.7	12.9
16.0	2.1	14.7

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