



# LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING  
MEMBER

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

LTL NUMBER: 05301

DATE: 08-03-2000

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: A7VF1-42/32/26E-07000SCL

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

LAMP: ONE SYLVANIA CF26DT/E/830 RATED AT 1800 LUMENS.

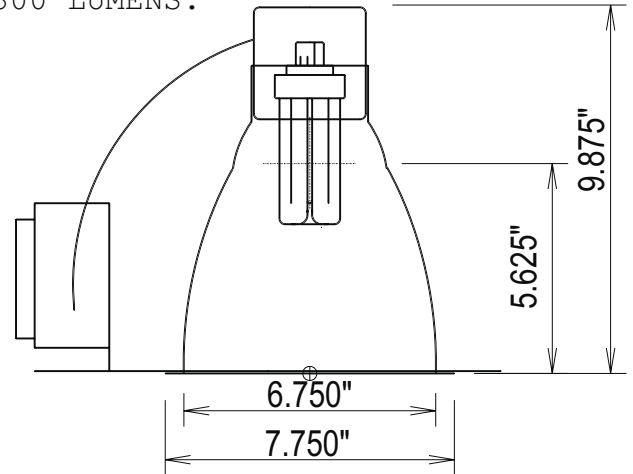
BALLAST: ONE ADVANCE ICF-2S26-H1-LD

MOUNTING: RECESSED

TOTAL INPUT WATTS = 28.1 AT 120.0 VOLTS

#05301

DEG	CANDELA	LUMENS
0	873	
5	891	84
15	750	213
25	683	311
35	467	288
45	146	115
55	5	7
65	0	0
75	0	0
85	0	0
90	0	



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	608	33.8	59.7
0- 40	896	49.8	88.0
0- 60	1018	56.6	100.0
0- 90	1018	56.6	100.0
90-180	0	0.0	0.0
0-180	1018	56.6	100.0

TOTAL LUMINAIRE EFFICIENCY: 56.6%

CIE TYPE: DIRECT

LUMINAIRE SPACING CRITERION = 1.0

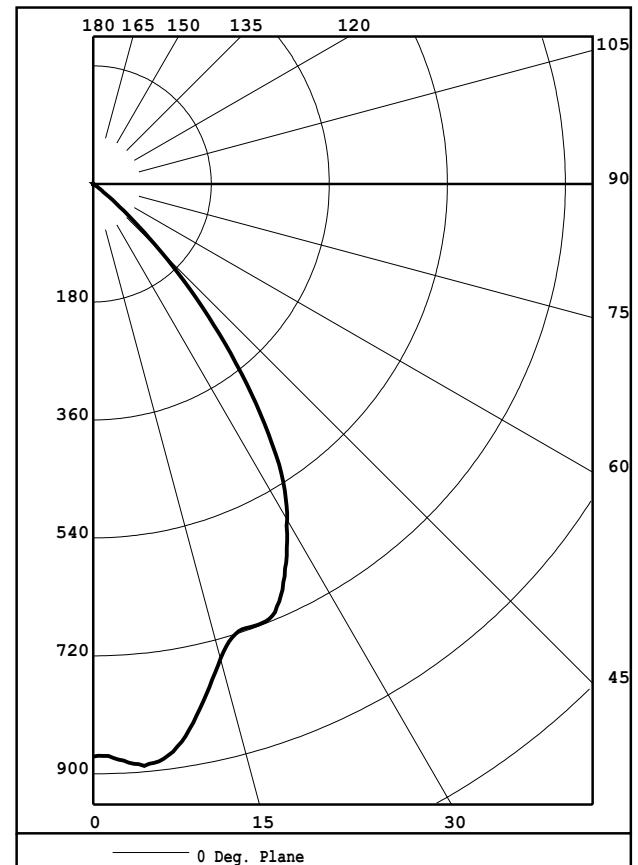
LUMINOUS DIAMETER: 6.750

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG

0	37811.
45	8943.
55	378.
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	50	30	10	0
0	67	67	67	67	66	66	66	66	63	63	63	60	60	60	58	58	58	57	57	57	57
1	64	63	61	60	63	61	60	59	59	58	57	57	56	56	55	55	54	53	53	53	53
2	61	58	56	54	60	57	55	54	56	54	52	54	52	51	52	51	50	49	49	49	49
3	58	54	52	49	57	54	51	49	52	50	48	51	49	47	49	48	47	46	46	46	46
4	55	51	47	45	54	50	47	45	49	46	44	48	45	44	46	45	43	42	42	42	42
5	52	47	44	41	51	46	43	41	45	43	41	44	42	40	44	41	40	39	39	39	39
6	49	44	40	38	48	43	40	38	43	40	38	42	39	37	41	39	37	36	36	36	36
7	46	41	37	35	46	41	37	35	40	37	35	39	36	34	38	36	34	33	33	33	33
8	43	38	34	32	43	37	34	32	37	34	32	36	33	31	36	33	31	30	30	30	30
9	41	35	31	29	40	35	31	29	34	31	29	33	31	29	33	30	28	28	28	28	28
10	38	32	29	26	38	32	28	26	31	28	26	31	28	26	31	28	26	25	25	25	25

CANDELA DISTRIBUTION

	0.0
0	873
5	891
10	845
15	750
20	717
25	683
30	591
35	467
40	299
45	146
50	38
55	5
60	1
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	21.
5- 10	63.
10- 15	95.
15- 20	119.
20- 25	150.
25- 30	162.
30- 35	159.
35- 40	128.
40- 45	81.
45- 50	34.
50- 55	6.
55- 60	1.
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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LTL TEST #05301

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	24.3	6.3
8.0	13.6	8.5
10.0	8.7	10.6
12.0	6.1	12.7
14.0	4.5	14.8
16.0	3.4	16.9

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