



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL NUMBER: 05300

DATE: 08-02-2000

PREPARED FOR: VANTAGE LUMINAIRES

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

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

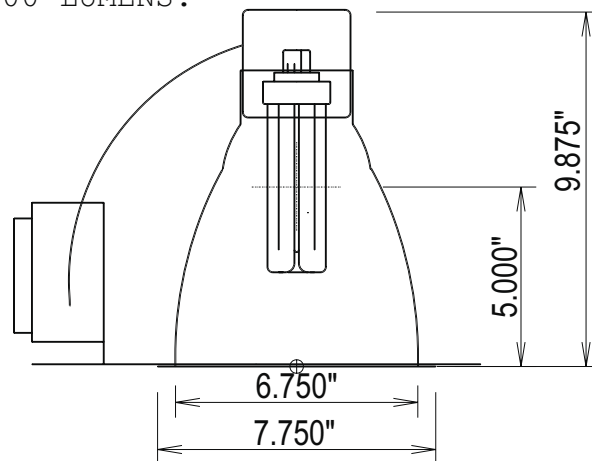
LAMP: ONE SYLVANIA CF42DT/E/841 RATED AT 3200 LUMENS.

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

MOUNTING: RECESSED

TOTAL INPUT WATTS = 41.6 AT 120.0 VOLTS

#05300



DEG	CANDELA	LUMENS
0	965	
5	1011	96
15	893	254
25	869	398
35	646	407
45	415	322
55	239	207
65	14	27
75	0	1
85	0	0
90	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	748	23.4	43.7
0- 40	1154	36.1	67.4
0- 60	1684	52.6	98.4
0- 90	1712	53.5	100.0
90-180	0	0.0	0.0
0-180	1712	53.5	100.0

TOTAL LUMINAIRE EFFICIENCY: 53.5%

CIE TYPE: DIRECT

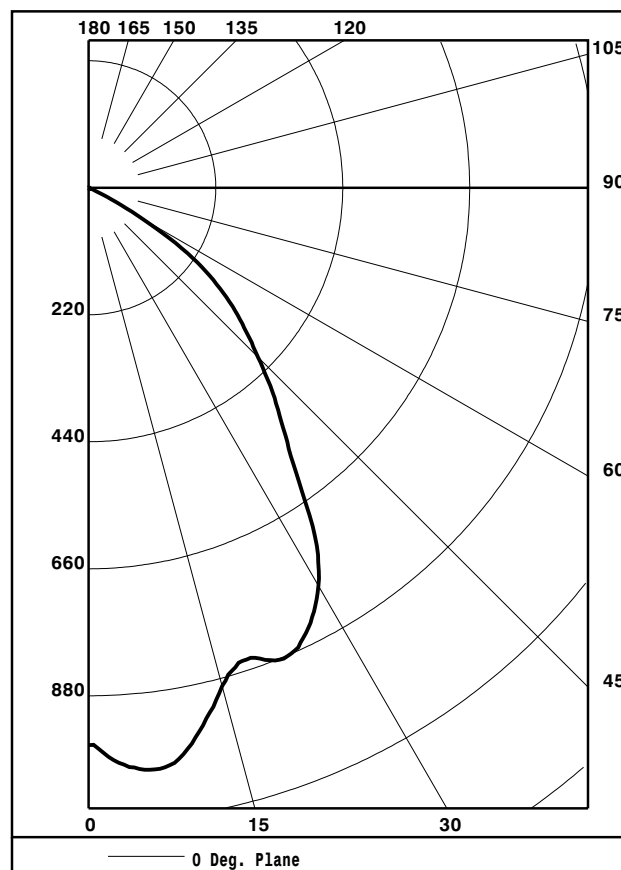
LUMINAIRE SPACING CRITERION = 1.2

LUMINOUS DIAMETER: 6.750

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	41796.
45	25419.
55	18047.
65	1435.
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	64	64	64	64	62	62	62	62	59	59	59	57	57	57	55	55	55	54
1	60	58	57	56	59	57	56	55	55	54	53	53	52	51	51	51	50	49
2	57	54	51	49	55	53	50	48	51	49	47	49	48	46	48	47	45	44
3	53	49	46	43	52	48	45	43	47	44	42	45	43	42	44	43	41	40
4	50	45	41	39	49	44	41	38	43	40	38	42	39	37	41	39	37	36
5	46	41	37	34	45	40	37	34	39	36	34	38	36	33	37	35	33	32
6	43	37	33	31	42	37	33	31	36	33	30	35	32	30	34	32	30	29
7	40	34	30	27	39	34	30	27	33	30	27	32	29	27	31	29	27	26
8	37	31	27	24	36	30	27	24	30	26	24	29	26	24	29	26	24	23
9	34	28	24	21	34	28	24	21	27	24	21	26	23	21	26	23	21	20
10	32	25	22	19	31	25	22	19	25	21	19	24	21	19	24	21	19	18

CANDELA DISTRIBUTION

	0.0
0	965
5	1011
10	987
15	893
20	868
25	869
30	796
35	646
40	514
45	415
50	330
55	239
60	108
65	14
70	2
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	24.
5- 10	72.
10- 15	112.
15- 20	142.
20- 25	185.
25- 30	212.
30- 35	217.
35- 40	190.
40- 45	173.
45- 50	150.
50- 55	124.
55- 60	83.
60- 65	26.
65- 70	2.
70- 75	1.
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 #05300

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	26.8	7.3
8.0	15.1	9.7
10.0	9.6	12.1
12.0	6.7	14.5
14.0	4.9	16.9
16.0	3.8	19.3

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