



# 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: 05653

DATE: 04-20-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 6VF132E-06000SCL

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

LAMP: ONE SYLVANIA CF32DT/E/IN/830 RATED AT 2400 LUMENS.

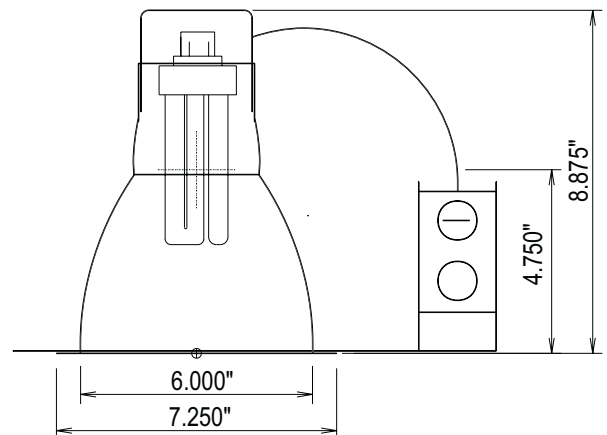
BALLAST: ONE MAGNETEK C2642UNVBES

MOUNTING: RECESSED

TOTAL INPUT WATTS = 29.9 AT 120.0 VOLTS

#05653

DEG	CANDELA	LUMENS
0	1052	
5	1108	104
15	878	248
25	750	346
35	555	348
45	299	223
55	49	46
65	0	0
75	0	0
85	0	0
90	0	0



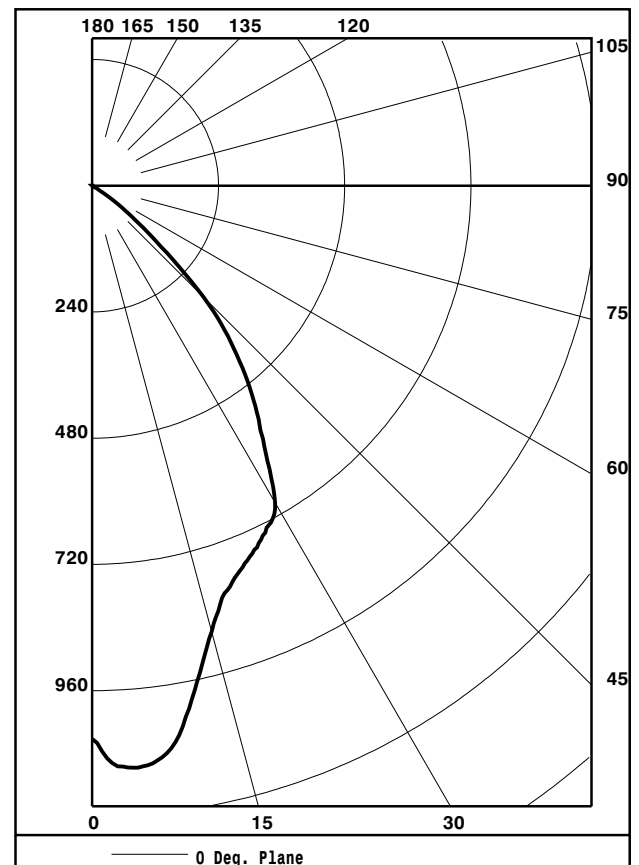
ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	698	29.1	53.1
0- 40	1047	43.6	79.6
0- 60	1315	54.8	100.0
0- 90	1315	54.8	100.0
90-180	0	0.0	0.0
0-180	1315	54.8	100.0

TOTAL LUMINAIRE EFFICIENCY: 54.8%  
CIE TYPE: DIRECT  
LUMINAIRE SPACING CRITERION = 1.0  
LUMINOUS DIAMETER: 6.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	57666.
45	23179.
55	4683.
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	65	65	65	65	64	64	64	64	61	61	61	58	58	58	56	56	56	55
1	62	60	59	58	61	59	58	57	57	56	55	55	54	54	53	53	52	51
2	59	56	54	52	58	55	53	51	53	52	50	52	50	49	50	49	48	47
3	56	52	49	47	54	51	48	46	50	47	46	48	46	45	47	46	44	43
4	52	48	45	42	51	47	44	42	46	44	42	45	43	41	44	42	41	40
5	49	44	41	38	48	44	41	38	43	40	38	42	39	37	41	39	37	36
6	46	41	38	35	46	41	37	35	40	37	35	39	36	34	38	36	34	33
7	44	38	34	32	43	38	34	32	37	34	32	36	33	31	36	33	31	30
8	41	35	31	29	40	35	31	29	34	31	29	33	30	28	33	30	28	27
9	38	32	28	26	37	32	28	26	31	28	26	31	28	26	30	27	25	25
10	35	29	26	23	35	29	26	23	29	25	23	28	25	23	28	25	23	22

CANDELA DISTRIBUTION

	0.0
0	1052
5	1108
10	1026
15	878
20	793
25	750
30	696
35	555
40	436
45	299
50	137
55	49
60	2
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	26.
5- 10	78.
10- 15	112.
15- 20	135.
20- 25	162.
25- 30	184.
30- 35	183.
35- 40	166.
40- 45	138.
45- 50	84.
50- 55	38.
55- 60	8.
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 2400.

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	71	64	60	41	71	64	60	41
20	30	72	64	60	41	72	64	60	41
20	40	72	64	60	41	72	64	60	41
20	60	72	64	60	41	72	64	60	41
30	20	72	64	60	47	72	64	60	47
30	30	72	64	60	47	72	64	60	47
30	40	72	64	60	47	72	64	60	47
30	60	72	65	61	47	72	65	61	47
30	80	72	65	61	48	72	65	61	48
40	20	72	64	60	50	72	64	60	50
40	30	72	64	60	51	72	64	60	51
40	40	72	65	61	51	72	65	61	51
40	60	72	65	61	51	72	65	61	51
40	80	72	65	61	51	72	65	61	51
40	100	72	65	61	51	72	65	61	51
60	30	72	65	61	51	72	65	61	51
60	40	72	65	61	51	72	65	61	51
60	60	72	65	61	51	72	65	61	51
60	80	73	65	61	51	73	65	61	51
60	100	73	65	61	51	73	65	61	51
100	40	72	65	61	51	72	65	61	51
100	60	73	65	61	51	73	65	61	51
100	80	73	65	61	51	73	65	61	51
100	100	73	65	61	51	73	65	61	51



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LTL TEST #05653

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	29.2	6.0
8.0	16.4	8.0
10.0	10.5	10.0
12.0	7.3	12.0
14.0	5.4	14.0
16.0	4.1	16.0

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