



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL NUMBER: 05652

DATE: 04-20-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 6VF126E-06000SCL

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

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

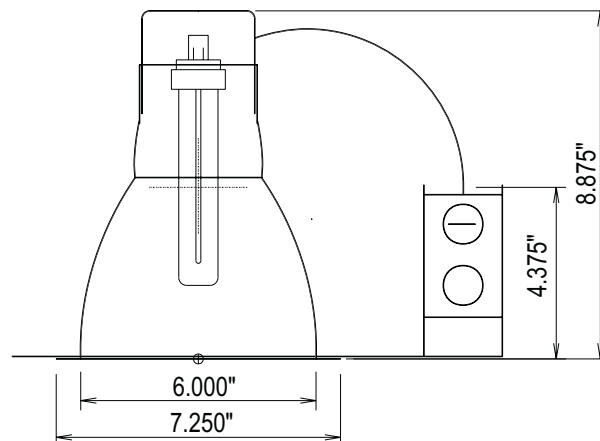
BALLAST: ONE MAGNETEK C2642UNVBES

MOUNTING: RECESSED

TOTAL INPUT WATTS = 26.5 AT 120.0 VOLTS

#05652

DEG	CANDELA	LUMENS
0	708	
5	772	70
15	518	148
25	478	221
35	367	230
45	234	180
55	113	100
65	15	17
75	0	0
85	0	0
90	0	



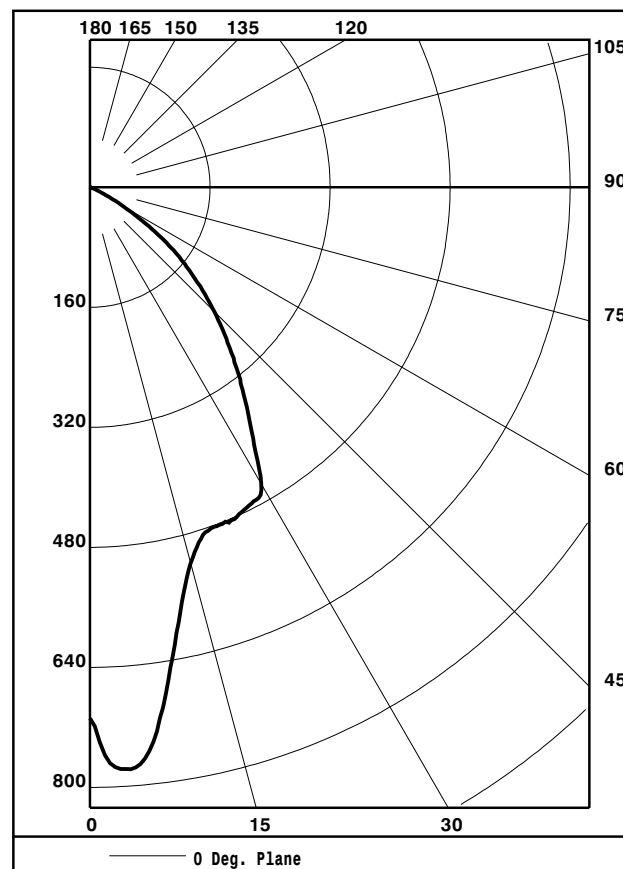
ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	439	24.4	45.4
0- 40	669	37.2	69.3
0- 60	949	52.7	98.2
0- 90	966	53.6	100.0
90-180	0	0.0	0.0
0-180	966	53.6	100.0

TOTAL LUMINAIRE EFFICIENCY: 53.6%
CIE TYPE: DIRECT
LUMINAIRE SPACING CRITERION = 0.9
LUMINOUS DIAMETER: 6.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	38810.
45	18140.
55	10799.
65	1946.
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	60	60	60	57	57	57	55	55	55	54
1	60	59	57	56	59	58	56	55	55	54	53	53	53	52	52	51	50	49
2	57	54	52	49	56	53	51	49	51	49	48	50	48	47	48	47	46	45
3	53	50	46	44	52	49	46	44	47	45	43	46	44	42	45	43	42	41
4	50	45	42	39	49	45	41	39	43	41	39	42	40	38	41	39	38	37
5	47	41	38	35	46	41	37	35	40	37	35	39	36	34	38	36	34	33
6	44	38	34	32	43	38	34	31	37	34	31	36	33	31	35	33	31	30
7	41	35	31	28	40	34	31	28	34	30	28	33	30	28	32	30	28	27
8	38	32	28	25	37	31	28	25	31	27	25	30	27	25	29	27	25	24
9	35	29	25	22	34	28	25	22	28	25	22	27	24	22	27	24	22	21
10	33	26	23	20	32	26	22	20	26	22	20	25	22	20	25	22	20	19

CANDELA DISTRIBUTION

	0.0
0	708
5	772
10	635
15	518
20	482
25	478
30	456
35	367
40	298
45	234
50	174
55	113
60	53
65	15
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	19.
5- 10	51.
10- 15	67.
15- 20	81.
20- 25	102.
25- 30	119.
30- 35	120.
35- 40	110.
40- 45	98.
45- 50	82.
50- 55	63.
55- 60	37.
60- 65	16.
65- 70	2.
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. ROOM		REFLECTANCES 80/50/20 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	65	55	44	41	65	55	44	41
20	30	65	56	51	41	65	56	51	41
20	40	65	56	52	47	65	56	52	47
20	60	65	56	52	47	65	56	52	47
30	20	65	61	48	42	65	61	48	42
30	30	65	61	53	42	65	61	53	42
30	40	65	61	53	47	65	61	53	47
30	60	65	62	53	47	65	62	53	47
30	80	65	62	54	47	65	62	54	47
40	20	65	61	52	45	65	61	52	45
40	30	65	61	56	45	65	61	56	45
40	40	65	61	56	49	65	61	56	49
40	60	65	62	56	49	65	62	56	49
40	80	65	62	56	49	65	62	56	49
40	100	65	62	56	49	65	62	56	49
60	30	65	61	56	49	65	61	56	49
60	40	65	62	56	52	65	62	56	52
60	60	65	62	56	52	65	62	56	52
60	80	65	62	56	52	65	62	56	52
60	100	65	62	56	52	65	62	56	52
100	40	65	62	56	52	65	62	56	52
100	60	65	62	56	52	65	62	56	52
100	80	65	62	56	52	65	62	56	52
100	100	66	62	56	52	66	62	56	52



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LTL TEST #05652

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	19.7	5.6
8.0	11.1	7.5
10.0	7.1	9.4
12.0	4.9	11.3
14.0	3.6	13.2
16.0	2.8	15.0

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