

LTL NUMBER: 05651

DATE: 04-19-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 6VF118E-06000SCI

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

LAMP: ONE SYLVANIA CF18DD/E/835 RATED AT 1250 LUMENS.

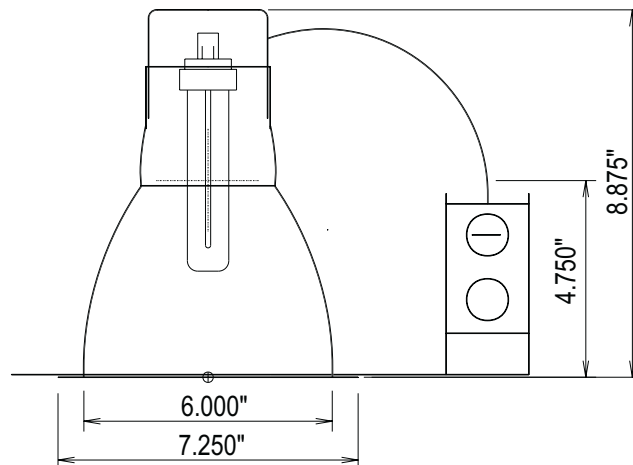
BALLAST: ONE MAGNETEK C218UNVBES

MOUNTING: RECESSED

TOTAL INPUT WATTS = 21.1 AT 120.0 VOLTS

#05651

DEG	CANDELA	LUMENS
0	610	
5	648	59
15	433	124
25	387	179
35	276	173
45	153	115
55	35	33
65	0	0
75	0	0
85	0	0
90	0	



ZONAL LUMEN	SUMMARY		
ZONE	LUMENS	%LAMP	%FIXT
0- 30	361	28.9	53.0
0- 40	534	42.7	78.4
0- 60	681	54.5	100.0
0- 90	681	54.5	100.0
90-180	0	0.0	0.0
0-180	681	54.5	100.0

TOTAL LUMINAIRE EFFICIENCY: 54.5%

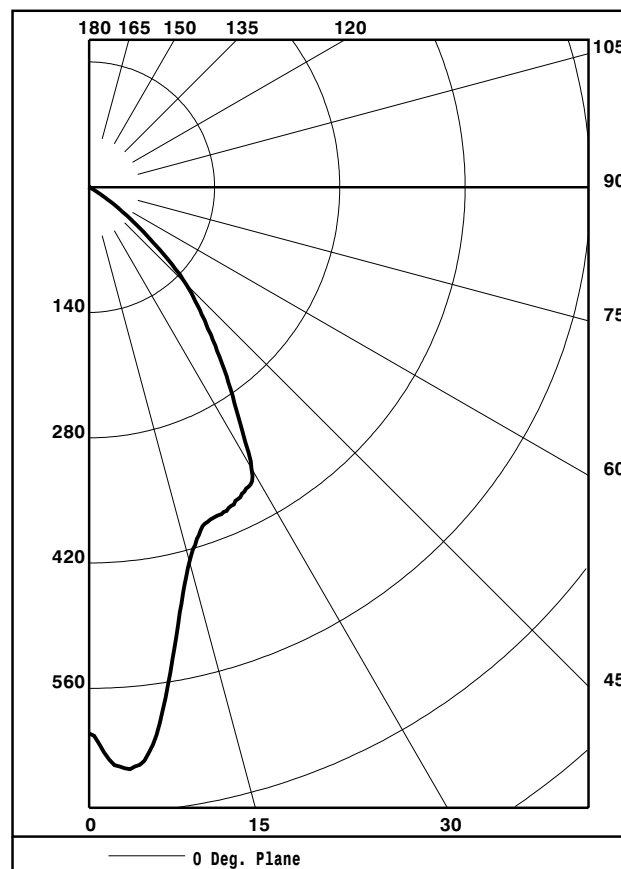
CIE TYPE: DIRECT

LUMINAIRE SPACING CRITERION = 0.9

LUMINOUS DIAMETER: 6.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE
0	33438.
45	11861.
55	3345.
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

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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	53	53	52	52	51
2	59	56	54	52	57	55	53	51	53	51	50	51	50	49	50	49	48	47
3	55	52	49	47	54	51	48	46	49	47	45	48	46	45	47	45	44	43
4	52	48	45	42	51	47	44	42	46	43	41	45	43	41	44	42	40	39
5	49	44	41	38	48	44	40	38	43	40	38	42	39	37	41	39	37	36
6	46	41	37	35	45	40	37	35	40	37	34	39	36	34	38	36	34	33
7	43	38	34	32	43	37	34	32	37	34	31	36	33	31	35	33	31	30
8	40	35	31	29	40	34	31	28	34	31	28	33	30	28	33	30	28	27
9	38	32	28	26	37	31	28	26	31	28	25	30	27	25	30	27	25	24
10	35	29	26	23	35	29	26	23	29	25	23	28	25	23	28	25	23	22

CANDELA DISTRIBUTION

	0.0
0	610
5	648
10	536
15	433
20	395
25	387
30	362
35	276
40	206
45	153
50	85
55	35
60	6
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	15.
5- 10	43.
10- 15	57.
15- 20	67.
20- 25	82.
25- 30	96.
30- 35	93.
35- 40	80.
40- 45	67.
45- 50	48.
50- 55	25.
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 1250.

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	81	77	76	59	81	77	76	59
20	30	81	77	76	63	81	77	76	63
20	40	82	77	76	63	82	77	76	63
20	60	82	77	76	64	82	77	76	64
30	20	81	77	79	63	81	77	79	63
30	30	82	77	79	66	82	77	79	66
30	40	82	77	79	66	82	77	79	66
30	60	82	78	79	66	82	78	79	66
30	80	82	78	79	66	82	78	79	66
40	20	82	77	79	68	82	77	79	68
40	30	82	77	79	70	82	77	79	70
40	40	82	78	79	70	82	78	79	70
40	60	82	78	79	70	82	78	79	70
40	80	82	78	80	71	82	78	80	71
40	100	82	78	80	71	82	78	80	71
60	30	82	78	79	70	82	78	79	70
60	40	82	78	79	70	82	78	79	70
60	60	82	78	80	71	82	78	80	71
60	80	82	78	80	71	82	78	80	71
60	100	82	78	80	71	82	78	80	71
100	40	82	78	80	71	82	78	80	71
100	60	82	78	80	71	82	78	80	71
100	80	82	78	80	71	82	78	80	71
100	100	83	78	80	71	83	78	80	71



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LTL TEST #05651

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	16.9	5.1
8.0	9.5	6.8
10.0	6.1	8.5
12.0	4.2	10.2
14.0	3.1	11.9
16.0	2.4	13.6

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