



# LUMINAIRE TESTING LABORATORY, INC.

IES SUSTAINING MEMBER

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

LTL NUMBER: 06145

DATE: 09-12-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 7VF1X26E1-7000SCL

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

LAMP: ONE PHILIPS PL-T 26W/30/4P/ALTO RATED AT 1800 LUMENS.

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

MOUNTING: RECESSED

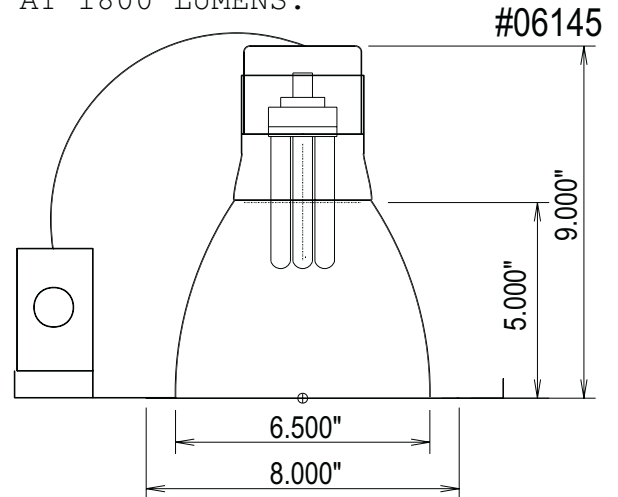
TOTAL INPUT WATTS = 25.8 AT 120.0 VOLTS

## CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	666	666	666	666	666
5	762	737	707	678	670
15	726	732	689	670	691
25	638	657	612	626	641
35	452	468	448	436	443
45	172	167	145	157	161
55	1	3	4	6	10
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

## FLUX

69
197
293
275
122
12
0
0
0



## ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	559	31.0	57.7
0- 40	834	46.3	86.2
0- 60	968	53.8	100.0
0- 90	968	53.8	100.0
90-180	0	0.0	0.0
0-180	968	53.8	100.0

TOTAL LUMINAIRE EFFICIENCY: 53.8%

CIE TYPE: DIRECT

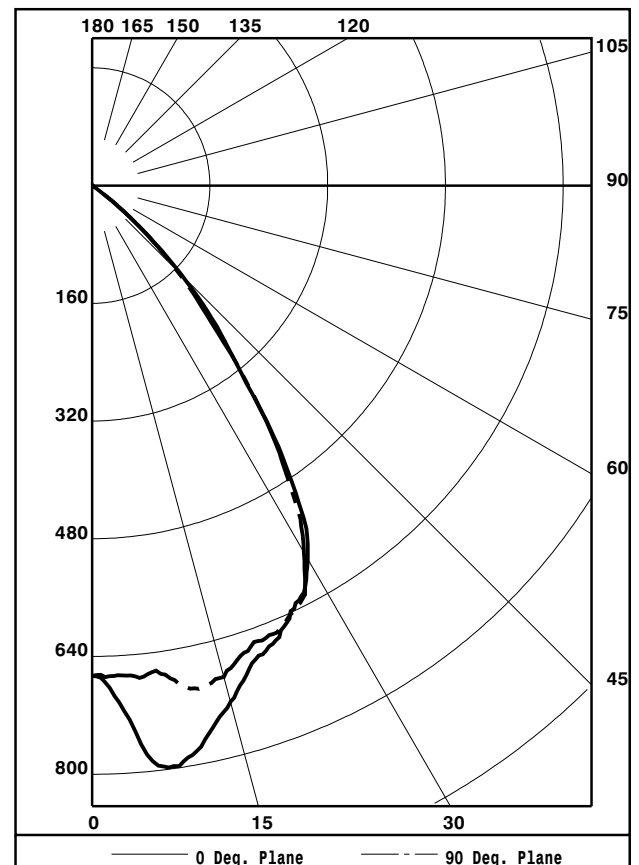
PLANE: 0-DEG 90-DEG

SPACING CRITERIA: 1.2 1.2

LUMINOUS DIAMETER: 6.500

## LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	31107.	31107.	31107.
45	11361.	9578.	10635.
55	81.	326.	814.
65	0.	0.	0.
75	0.	0.	0.
85	0.	0.	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	63	63	63	63	60	60	60	57	57	57	55	55	55	54
1	61	60	58	57	60	58	57	56	56	55	54	54	53	53	52	52	51	50
2	58	55	53	51	57	54	52	51	53	51	50	51	50	49	50	48	48	47
3	55	51	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	42	45	43	41	44	42	41	40
5	49	44	41	39	48	44	41	38	43	40	38	42	39	38	41	39	37	37
6	46	41	38	36	45	41	38	35	40	37	35	39	37	35	39	36	35	34
7	44	38	35	33	43	38	35	32	37	34	32	37	34	32	36	34	32	31
8	41	35	32	29	40	35	32	29	34	31	29	34	31	29	33	31	29	28
9	38	32	29	27	37	32	29	27	32	29	26	31	28	26	31	28	26	25
10	36	30	26	24	35	30	26	24	29	26	24	29	26	24	28	26	24	23

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	666	666	666	666	666
5	762	737	707	678	670
10	786	781	752	684	690
15	726	732	689	670	691
20	678	686	629	647	659
25	638	657	612	626	641
30	586	596	570	568	576
35	452	468	448	436	443
40	286	281	260	268	278
45	172	167	145	157	161
50	65	60	49	63	67
55	1	3	4	6	10
60	0	0	0	0	0
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	16.
5- 10	52.
10- 15	86.
15- 20	111.
20- 25	136.
25- 30	157.
30- 35	154.
35- 40	121.
40- 45	80.
45- 50	42.
50- 55	12.
55- 60	0.
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 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	95	79	84	67	94	87	85	68
20	30	95	79	84	68	94	87	85	69
20	40	95	79	84	68	94	87	85	69
20	60	95	79	84	68	94	87	85	69
30	20	95	79	84	71	94	87	85	72
30	30	95	79	84	71	94	87	85	72
30	40	95	80	84	71	94	88	86	72
30	60	95	80	85	71	94	88	86	73
30	80	95	80	85	72	94	88	86	73
40	20	95	79	84	71	94	87	85	72
40	30	95	80	84	71	94	88	86	72
40	40	95	80	85	71	94	88	86	72
40	60	95	80	85	72	95	88	86	73
40	80	95	80	85	72	95	88	86	73
40	100	95	80	85	72	95	88	86	73
60	30	95	80	85	71	94	88	86	72
60	40	95	80	85	72	95	88	86	73
60	60	95	80	85	72	95	88	86	73
60	80	95	80	85	72	95	88	86	73
60	100	95	80	85	72	95	88	86	73
100	40	95	80	85	72	95	88	86	73
100	60	95	80	85	72	95	88	86	73
100	80	95	80	85	72	95	88	86	73
100	100	95	80	85	72	95	88	86	73



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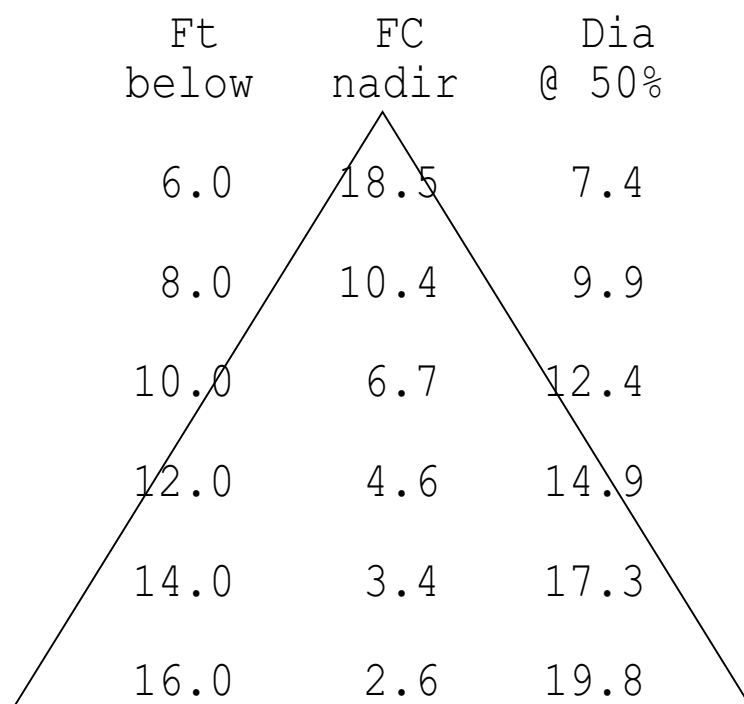


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LTL TEST #06145

CIRCLE-OF-LIGHT



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