



# 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: 05863

DATE: 06-18-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 7HF226E-07616SCL

LUMINAIRE: FORMED STEEL HOUSING, SPUN SEMI-SPECULAR ALUMINUM REFLECTOR,  
CLEAR GLASS PRISMATIC LENS ABOVE SPUN SPECULAR ALUMINUM  
LOWER REFLECTOR.

LAMPS: TWO PHILIPS PL-C 26W/35/4P RATED AT 1800 LUMENS EACH.

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

MOUNTING: RECESSED

TOTAL INPUT WATTS = 49.3 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

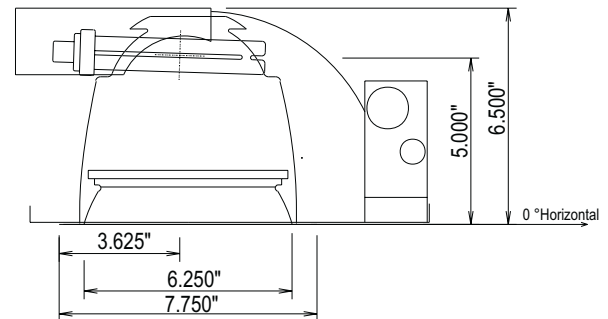
#05863

## CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	847	847	847	847	847
5	831	874	940	969	984
15	744	866	943	959	965
25	510	650	751	845	865
35	281	290	316	350	362
45	182	199	205	217	224
55	98	113	123	127	129
65	53	62	67	70	70
75	22	26	28	29	30
85	0	0	0	0	0
90	0	0	0	0	0

## FLUX

88
253
325
212
158
108
65
28
0



## ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	666	18.5	53.8
0- 40	878	24.4	70.9
0- 60	1144	31.8	92.4
0- 90	1238	34.4	100.0
90-180	0	0.0	0.0
0-180	1238	34.4	100.0

TOTAL LUMINAIRE EFFICIENCY: 34.4%

CIE TYPE: DIRECT

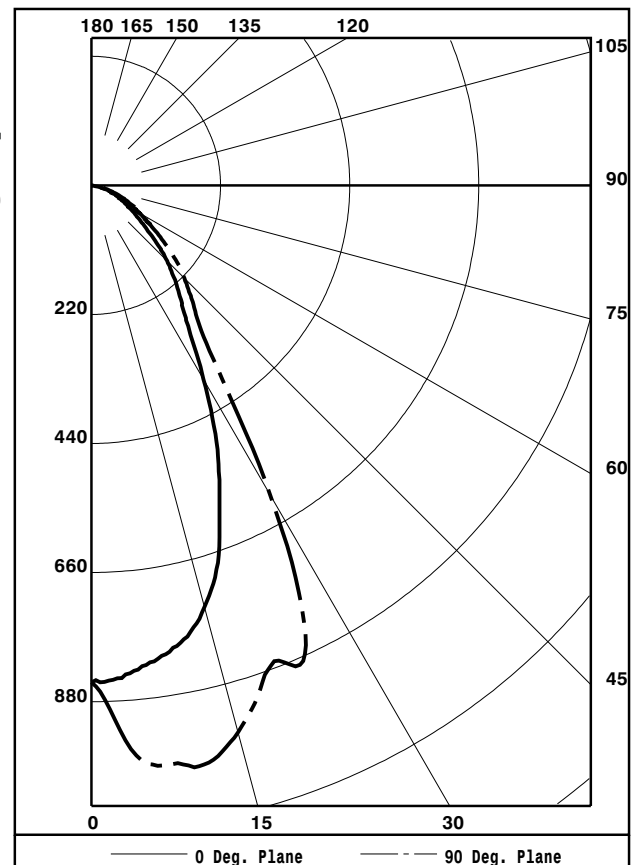
PLANE: 0-DEG 90-DEG

SPACING CRITERIA: 0.9 1.1

LUMINOUS DIAMETER: 6.250

## LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	42789.	42789.	42789.
45	13003.	14646.	16003.
55	8631.	10833.	11362.
65	6335.	8009.	8368.
75	4294.	5465.	5856.
85	0.	0.	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](http://www.LuminaireTesting.com)

LTL NUMBER: 05863

DATE: 06-18-2001

PREPARED FOR: VANTAGE LUMINAIRES

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	50	30	10	0
0	41	41	41	41	40	40	40	40	38	38	38	37	37	37	35	35	35	34	34	34	34
1	39	38	37	36	38	37	36	35	35	35	34	34	34	33	33	32	32	31	31	31	31
2	36	34	33	31	35	34	32	31	33	31	30	31	30	30	31	30	29	28	28	28	28
3	34	31	29	28	33	31	29	28	30	28	27	29	28	27	28	27	26	26	26	26	26
4	32	29	27	25	31	28	26	25	28	26	24	27	25	24	26	25	24	23	23	23	23
5	30	26	24	22	29	26	24	22	25	24	22	25	23	22	24	23	22	21	21	21	21
6	28	24	22	20	27	24	22	20	24	22	20	23	21	20	23	21	20	19	19	19	19
7	26	23	20	19	26	22	20	18	22	20	18	21	20	18	21	19	18	18	18	18	18
8	25	21	18	17	24	21	18	17	20	18	17	20	18	17	19	18	17	16	16	16	16
9	23	19	17	15	23	19	17	15	19	17	15	18	16	15	18	16	15	14	14	14	14
10	22	18	15	14	21	18	15	14	17	15	14	17	15	14	17	15	14	13	13	13	13

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	847	847	847	847	847
5	831	874	940	969	984
10	801	911	971	990	1008
15	744	866	943	959	965
20	638	776	839	866	879
25	510	650	751	845	865
30	381	473	556	599	609
35	281	290	316	350	362
40	227	234	243	260	272
45	182	199	205	217	224
50	134	153	164	171	175
55	98	113	123	127	129
60	71	84	91	92	92
65	53	62	67	70	70
70	38	45	47	49	50
75	22	26	28	29	30
80	4	5	5	4	4
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	21.
5- 10	67.
10- 15	111.
15- 20	143.
20- 25	161.
25- 30	163.
30- 35	122.
35- 40	90.
40- 45	83.
45- 50	75.
50- 55	60.
55- 60	47.
60- 65	37.
65- 70	29.
70- 75	20.
75- 80	9.
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.



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: 05863

DATE: 06-18-2001

PREPARED FOR: VANTAGE LUMINAIRES

VISUAL COMFORT PROBABILITY TABLE

RATED LUMENS PER LAMP 1800.

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	36	38	46	52	33	35	41	48
20	30	36	34	36	42	33	30	31	37
20	40	41	35	34	36	38	31	29	31
20	60	41	35	35	34	38	31	30	29
30	20	37	39	44	50	35	36	41	47
30	30	38	34	35	39	36	31	31	36
30	40	42	35	32	33	40	33	28	30
30	60	42	36	33	32	40	33	30	27
30	80	43	36	37	34	40	33	33	30
40	20	41	41	45	50	39	39	43	47
40	30	41	36	35	39	40	34	32	36
40	40	45	38	32	33	43	36	29	30
40	60	45	38	34	31	43	36	31	28
40	80	45	38	37	34	43	36	35	30
40	100	45	38	38	37	43	36	35	34
60	30	46	39	36	39	44	37	34	37
60	40	49	41	33	33	47	39	31	31
60	60	49	41	35	31	47	39	32	28
60	80	49	41	38	34	47	39	35	31
60	100	49	41	38	37	47	39	35	34
100	40	49	42	38	37	47	42	36	35
100	60	49	42	40	34	47	42	38	32
100	80	49	42	42	37	47	42	40	35
100	100	49	42	42	39	47	42	40	37



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 TEST #05863

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	23.5	6.4
8.0	13.2	8.5
10.0	8.5	10.6
12.0	5.9	12.8
14.0	4.3	14.9
16.0	3.3	17.0

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