



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL NUMBER: 05836

DATE: 06-11-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 8HF226E-08614SCL

LUMINAIRE: FORMED STEEL HOUSING, SPUN SEMI-SPECULAR ALUMINUM REFLECTOR,
CLEAR ACRYLIC PRISMATIC LENS ABOVE SPUN SEMI-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 = 44.3 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

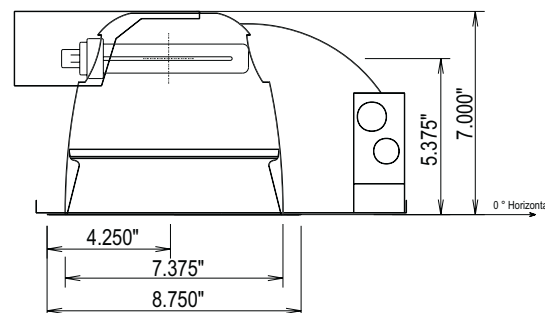
#05836

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	962	962	962	962	962
5	966	959	951	954	954
15	887	886	898	918	924
25	722	744	785	816	827
35	497	524	571	597	605
45	298	305	320	350	368
55	169	174	182	189	189
65	68	72	77	75	69
75	16	15	15	15	15
85	0	0	0	0	0
90	0	0	0	0	0

FLUX

91
254
358
350
255
161
73
17
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	702	19.5	45.1
0- 40	1052	29.2	67.5
0- 60	1468	40.8	94.2
0- 90	1558	43.3	100.0
90-180	0	0.0	0.0
0-180	1558	43.3	100.0

TOTAL LUMINAIRE EFFICIENCY: 43.3%

CIE TYPE: DIRECT

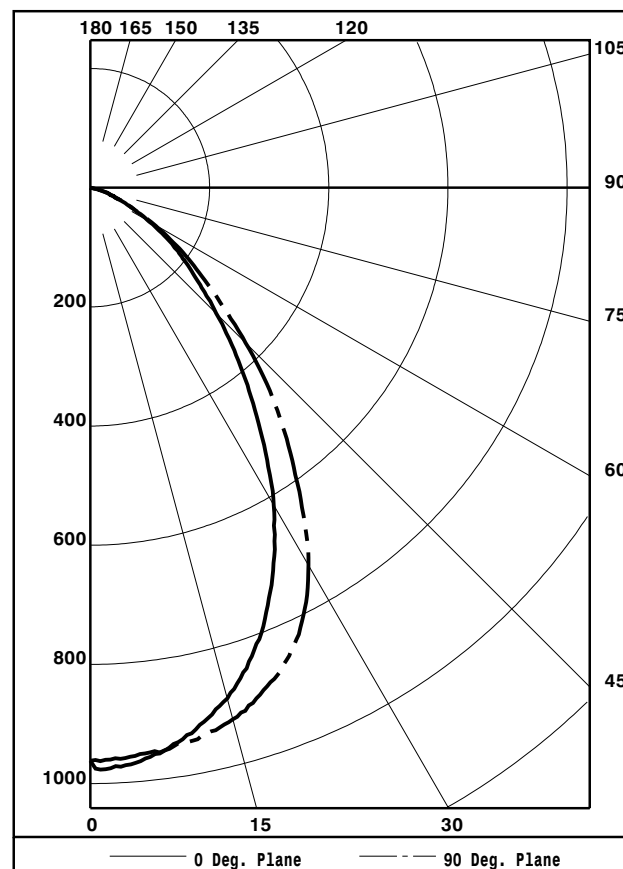
PLANE: 0-DEG 90-DEG

SPACING CRITERIA: 1.0 1.1

LUMINOUS DIAMETER: 7.375

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	34903.	34903.	34903.
45	15290.	16419.	18882.
55	10690.	11512.	11955.
65	5838.	6610.	5924.
75	2243.	2103.	2103.
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

LTL NUMBER: 05836

DATE: 06-11-2001

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	0
0	52	52	52	52	50	50	50	50	48	48	48	46	46	46	44	44	44	43
1	49	47	46	45	48	46	45	44	44	44	43	43	42	41	41	41	40	39
2	46	43	41	39	45	42	40	39	41	39	38	40	38	37	38	37	36	36
3	43	39	37	35	42	39	36	34	38	36	34	36	35	33	35	34	33	32
4	40	36	33	31	39	35	33	31	34	32	30	33	31	30	33	31	29	29
5	37	33	30	27	36	32	29	27	31	29	27	31	28	27	30	28	26	26
6	35	30	27	25	34	30	27	24	29	26	24	28	26	24	28	26	24	23
7	32	27	24	22	32	27	24	22	26	24	22	26	23	22	25	23	22	21
8	30	25	22	20	29	25	22	20	24	21	19	24	21	19	23	21	19	19
9	28	23	20	17	27	22	19	17	22	19	17	22	19	17	21	19	17	16
10	26	21	18	16	25	21	18	16	20	17	16	20	17	16	19	17	15	15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	962	962	962	962	962
5	966	959	951	954	954
10	933	930	932	940	945
15	887	886	898	918	924
20	815	825	851	877	883
25	722	744	785	816	827
30	615	641	692	725	732
35	497	524	571	597	605
40	392	410	439	470	487
45	298	305	320	350	368
50	225	227	237	257	265
55	169	174	182	189	189
60	114	119	124	123	123
65	68	72	77	75	69
70	42	40	43	41	39
75	16	15	15	15	15
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	23.
5- 10	68.
10- 15	109.
15- 20	145.
20- 25	172.
25- 30	186.
30- 35	184.
35- 40	166.
40- 45	142.
45- 50	113.
50- 55	91.
55- 60	70.
60- 65	46.
65- 70	27.
70- 75	15.
75- 80	1.
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

LTL NUMBER: 05836

DATE: 06-11-2001

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	44	40	42	47	43	38	39	42
20	30	50	41	38	39	49	39	36	35
20	40	50	45	39	36	49	44	37	34
20	60	50	46	44	38	49	44	42	36
30	20	49	43	42	46	48	42	40	42
30	30	53	43	38	38	51	42	36	35
30	40	53	47	39	35	52	46	37	33
30	60	53	47	44	37	52	46	42	36
30	80	53	47	44	37	52	46	42	36
40	20	55	47	45	46	53	46	43	44
40	30	57	48	40	38	56	47	39	36
40	40	57	50	41	36	56	49	40	34
40	60	57	50	45	38	56	49	44	37
40	80	57	50	45	38	56	49	44	37
40	100	58	51	45	38	56	49	44	37
60	30	57	50	43	40	56	48	42	39
60	40	57	53	44	38	56	51	43	36
60	60	57	53	47	39	56	51	46	38
60	80	58	53	47	40	56	51	46	38
60	100	58	53	47	40	56	51	46	39
100	40	57	53	48	44	56	50	45	42
100	60	58	53	50	46	56	51	48	44
100	80	58	53	50	46	56	51	48	44
100	100	58	53	50	46	56	51	48	44



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL TEST #05836

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	26.7	6.5
8.0	15.0	8.7
10.0	9.6	10.9
12.0	6.7	13.1
14.0	4.9	15.3
16.0	3.8	17.4

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