



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: 06653

DATE: 07-01-2002

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 5INC-05350SCL/BL

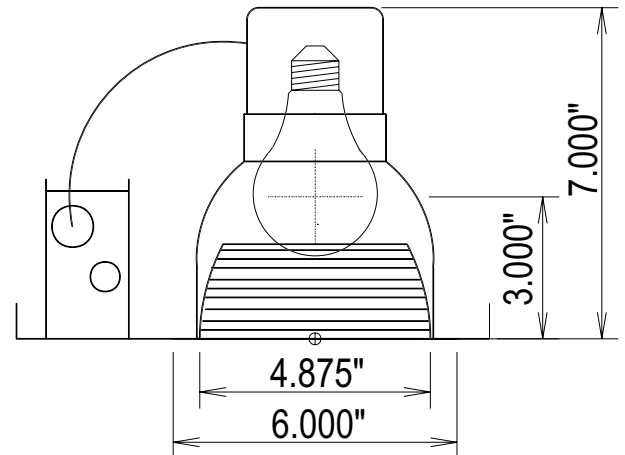
LUMINAIRE: FORMED STEEL HOUSING, SPUN SPECULAR ALUMINUM REFLECTOR WITH SPUN BLACK ENAMEL ALUMINUM BAFFLE, NO ENCLOSURE.

LAMP: ONE GE 100A STANDARD 100 WATT A19 INCANDESCENT RATED AT 1710 LUMENS.

MOUNTING: RECESSED

#06653

DEG	CANDELA	LUMENS
0	231	
5	235	22
15	242	71
25	349	159
35	295	181
45	147	111
55	38	35
65	0	3
75	0	0
85	0	0
90	0	



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	252	14.7	43.3
0- 40	434	25.4	74.4
0- 60	579	33.9	99.4
0- 90	583	34.1	100.0
90-180	0	0.0	0.0
0-180	583	34.1	100.0

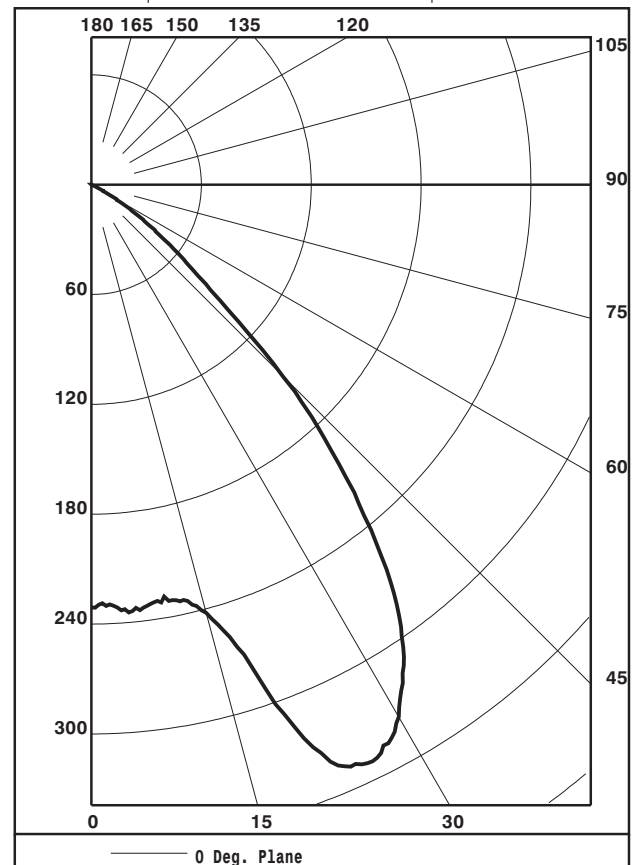
TOTAL LUMINAIRE EFFICIENCY: 34.1%
 CIE TYPE: DIRECT
 LUMINAIRE SPACING CRITERION = 1.4
 LUMINOUS DIAMETER: 4.875

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG

0	19181.
45	17262.
55	5501.
65	0.
75	0.
85	0.



TESTED BY HERSCHEL SCHRECK
 CHECKED BY MIKE GRATHER

THIS REPORT BASED ON LM-46 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: 06653

DATE: 07-01-2002

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

CANDELA DISTRIBUTION

	0.0
0	231
5	235
10	228
15	242
20	308
25	349
30	336
35	295
40	227
45	147
50	72
55	38
60	15
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	5.
5- 10	17.
10- 15	28.
15- 20	44.
20- 25	72.
25- 30	87.
30- 35	93.
35- 40	88.
40- 45	70.
45- 50	41.
50- 55	23.
55- 60	12.
60- 65	3.
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) 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. 2) THIS TEST WAS CONDUCTED IN A CONTROLLED LABORATORY ENVIRONMENT, FIELD PERFORMANCE MAY DIFFER.



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL NUMBER: 06653

DATE: 07-01-2002

PREPARED FOR: VANTAGE LUMINAIRES

VISUAL COMFORT PROBABILITY TABLE

RATED LUMENS PER LAMP 1710.

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	83	65	61	48	83	65	61	48
20	30	83	65	61	52	83	65	61	52
20	40	83	65	61	52	83	65	61	52
20	60	83	65	62	52	83	65	62	52
30	20	83	65	67	51	83	65	67	51
30	30	83	65	67	56	83	65	67	56
30	40	83	66	67	56	83	66	67	56
30	60	83	66	67	56	83	66	67	56
30	80	83	66	67	56	83	66	67	56
40	20	83	65	67	56	83	65	67	56
40	30	83	66	67	59	83	66	67	59
40	40	83	66	67	59	83	66	67	59
40	60	83	66	67	59	83	66	67	59
40	80	83	66	68	59	83	66	68	59
40	100	83	66	68	59	83	66	68	59
60	30	83	66	67	59	83	66	67	59
60	40	83	66	67	59	83	66	67	59
60	60	83	66	68	59	83	66	68	59
60	80	83	66	68	59	83	66	68	59
60	100	83	66	68	59	83	66	68	59
100	40	83	66	68	59	83	66	68	59
100	60	83	66	68	59	83	66	68	59
100	80	83	66	68	59	83	66	68	59
100	100	83	66	68	59	83	66	68	59

THIS TABLE WAS CALCULATED ACCORDING TO IESNA LM-42-72. THE VCP CALCULATION PROCEDURE IS MOST ACCURATE FOR LUMINAIRES THAT EXHIBIT THE FOLLOWING CHARACTERISTICS. 1). LUMINAIRE IS RELATIVELY CONSISTANT IN LUMINANCE 2). LUMINAIRE HAS WELL-DEFINED LUMINOUS EDGES AND 3). LUMINAIRE UTILIZES FLUORESCENT LAMPS. CAUTION SHOULD BE USED WHEN APPLYING VCP VALUES BASED ON LUMINAIRES THAT DO NOT CONFORM TO THE ABOVE CONDITIONS.



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL TEST #06653

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	6.4	9.7
8.0	3.6	12.9
10.0	2.3	16.1
12.0	1.6	19.4
14.0	1.2	22.6
16.0	0.9	25.8

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