



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL NUMBER: 06009

DATE: 07-10-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 6INC-A6000SCL

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

LAMP: ONE GE 150A STANDARD 150 WATT A21 INCANDESCENT RATED AT 2880 LUMENS.

MOUNTING: RECESSED

DEG	CANDELA	LUMENS
0	1098	
5	1158	112
15	1218	344
25	1170	532
35	860	534
45	456	347
55	63	68
65	3	5
75	0	0
85	0	0
90	0	

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	988	34.3	50.9
0- 40	1522	52.8	78.4
0- 60	1937	67.2	99.7
0- 90	1941	67.4	100.0
90-180	0	0.0	0.0
0-180	1941	67.4	100.0

TOTAL LUMINAIRE EFFICIENCY: 67.4%

CIE TYPE: DIRECT

LUMINAIRE SPACING CRITERION = 1.2

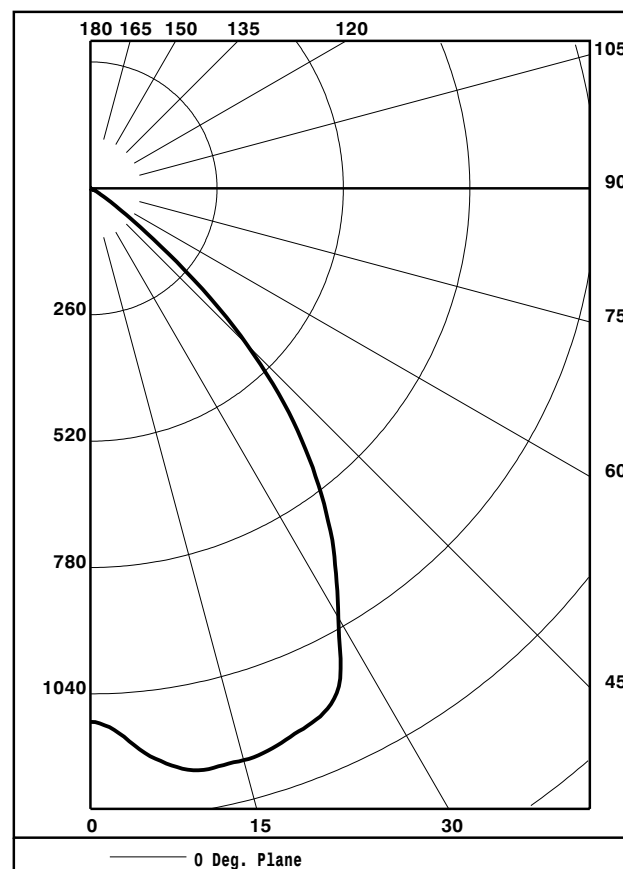
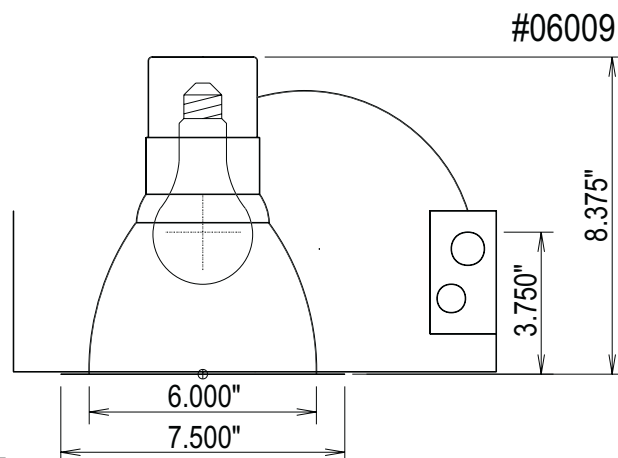
LUMINOUS DIAMETER: 6.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG

0	60188.
45	35350.
55	6021.
65	389.
75	0.
85	0.



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER

THIS REPORT BASED ON LM-46 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	80	80	80	80	78	78	78	78	75	75	75	72	72	72	69	69	69	67
1	76	75	73	71	75	73	72	70	70	69	68	68	67	66	66	65	64	63
2	73	70	67	65	71	68	66	64	66	64	62	64	63	61	62	61	60	59
3	69	65	61	59	68	64	61	58	62	59	57	60	58	56	59	57	55	54
4	65	60	56	54	64	59	56	53	58	55	53	57	54	52	55	53	51	50
5	62	56	52	49	61	55	51	49	54	51	48	53	50	48	52	49	47	46
6	58	52	48	45	57	51	47	45	50	47	44	49	46	44	49	46	44	43
7	55	48	44	41	54	47	43	41	47	43	40	46	43	40	45	42	40	39
8	51	44	40	37	50	44	40	37	43	39	37	42	39	37	42	39	36	35
9	48	41	36	33	47	40	36	33	40	36	33	39	36	33	39	35	33	32
10	45	38	33	30	44	37	33	30	37	33	30	36	33	30	36	32	30	29

CANDELA DISTRIBUTION

	0.0
0	1098
5	1158
10	1216
15	1218
20	1201
25	1170
30	1020
35	860
40	676
45	456
50	209
55	63
60	19
65	3
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	27.
5- 10	85.
10- 15	145.
15- 20	200.
20- 25	250.
25- 30	282.
30- 35	277.
35- 40	257.
40- 45	212.
45- 50	135.
50- 55	51.
55- 60	17.
60- 65	4.
65- 70	1.
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.



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VISUAL COMFORT PROBABILITY TABLE

RATED LUMENS PER LAMP 2880.

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	73	60	50	28	73	60	50	28
20	30	74	60	55	35	74	60	55	35
20	40	74	60	55	35	74	60	55	35
20	60	74	60	55	35	74	60	55	35
30	20	74	60	58	34	74	60	58	34
30	30	74	60	61	41	74	60	61	41
30	40	74	60	61	42	74	60	61	42
30	60	74	60	61	42	74	60	61	42
30	80	74	60	61	42	74	60	61	42
40	20	74	60	58	40	74	60	58	40
40	30	74	60	61	47	74	60	61	47
40	40	74	60	61	47	74	60	61	47
40	60	74	61	61	48	74	61	61	48
40	80	74	61	62	48	74	61	62	48
40	100	74	61	62	48	74	61	62	48
60	30	74	60	61	47	74	60	61	47
60	40	74	61	61	48	74	61	61	48
60	60	74	61	62	48	74	61	62	48
60	80	74	61	62	48	74	61	62	48
60	100	74	61	62	46	74	61	62	46
100	40	74	61	62	48	74	61	62	48
100	60	74	61	62	46	74	61	62	46
100	80	75	61	62	46	75	61	62	46
100	100	75	61	62	46	75	61	62	46



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CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	30.5	7.8
8.0	17.2	10.3
10.0	11.0	12.9
12.0	7.6	15.5
14.0	5.6	18.1
16.0	4.3	20.7

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