



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL NUMBER: 06020

DATE: 07-16-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 5INC-A5500SCL

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

LAMP: ONE SYLVANIA 50PAR30LN/CAP/NFL/30-120V 50 WATT PAR30 INCANDESCENT
RATED AT 600 LUMENS.

MOUNTING: RECESSED

DEG	CANDELA	LUMENS
0	1596	
5	1354	128
15	959	252
25	194	95
35	48	32
45	42	34
55	27	22
65	0	0
75	0	0
85	0	0
90	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	474	79.1	84.2
0- 40	507	84.4	90.0
0- 60	563	93.8	99.9
0- 90	563	93.8	100.0
90-180	0	0.0	0.0
0-180	563	93.8	100.0

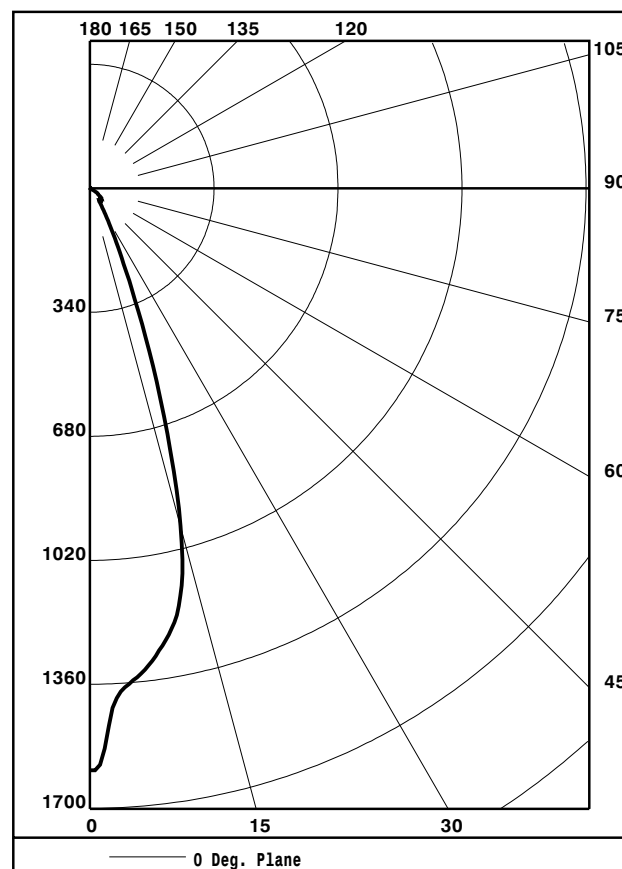
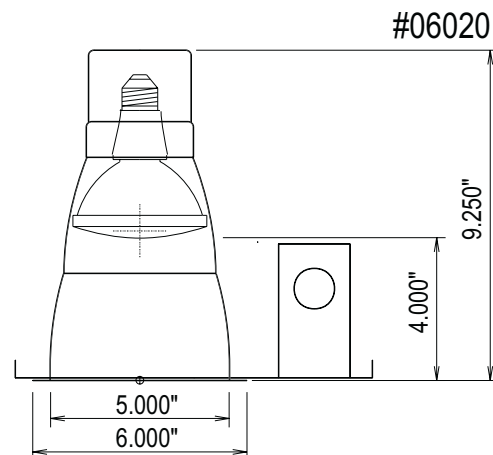
TOTAL LUMINAIRE EFFICIENCY: 93.8%

CIE TYPE: DIRECT
LUMINAIRE SPACING CRITERION = 0.5
LUMINOUS DIAMETER: 5.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	125980.
45	4689.
55	3716.
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.



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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	112	112	112	112	109	109	109	109	104	104	104		100	100	100		96	96	96		94
1	108	106	104	102	106	104	102	101	100	99	98		97	96	95		94	93	92		91
2	104	101	98	96	102	99	97	95	97	94	93		94	92	91		91	90	89		88
3	101	97	94	91	100	96	93	90	93	91	89		91	89	87		89	88	86		85
4	98	93	89	87	97	92	89	86	90	87	85		88	86	84		87	85	83		82
5	95	89	85	83	94	89	85	82	87	84	82		86	83	81		84	82	80		79
6	92	86	82	80	91	86	82	79	84	81	79		83	80	78		82	80	78		77
7	89	83	79	76	88	83	79	76	81	78	76		81	78	75		80	77	75		74
8	87	80	76	74	86	80	76	73	79	76	73		78	75	73		77	75	73		72
9	84	78	74	71	83	77	74	71	77	73	71		76	73	71		75	73	70		70
10	82	75	72	69	81	75	71	69	74	71	69		74	71	69		73	70	68		68

CANDELA DISTRIBUTION

	0.0
0	1596
5	1354
10	1243
15	959
20	475
25	194
30	88
35	48
40	43
45	42
50	40
55	27
60	7
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	34.
5- 10	94.
10- 15	136.
15- 20	116.
20- 25	62.
25- 30	32.
30- 35	18.
35- 40	14.
40- 45	16.
45- 50	18.
50- 55	14.
55- 60	8.
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) 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 600.

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	95	88	84	82	95	88	84	82
20	30	95	88	84	85	95	88	84	85
20	40	95	88	84	85	95	88	84	85
20	60	95	89	84	85	95	89	84	85
30	20	95	88	85	81	95	88	85	81
30	30	95	89	86	83	95	89	86	83
30	40	95	89	86	83	95	89	86	83
30	60	95	89	86	83	95	89	86	83
30	80	95	89	86	83	95	89	86	83
40	20	95	89	86	83	95	89	86	83
40	30	95	89	86	84	95	89	86	84
40	40	95	89	86	85	95	89	86	85
40	60	95	89	86	85	95	89	86	85
40	80	95	89	86	85	95	89	86	85
40	100	95	89	86	85	95	89	86	85
60	30	95	89	86	85	95	89	86	85
60	40	95	89	86	85	95	89	86	85
60	60	95	89	87	85	95	89	87	85
60	80	95	89	87	85	95	89	87	85
60	100	95	89	87	85	95	89	87	85
100	40	95	89	87	85	95	89	87	85
100	60	95	89	87	85	95	89	87	85
100	80	95	89	87	85	95	89	87	85
100	100	95	89	87	85	95	89	87	85



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LTL TEST #06020

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	44.3	3.4
8.0	24.9	4.5
10.0	16.0	5.6
12.0	11.1	6.7
14.0	8.1	7.8
16.0	6.2	9.0

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