



LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING
MEMBER
of the
IESNA

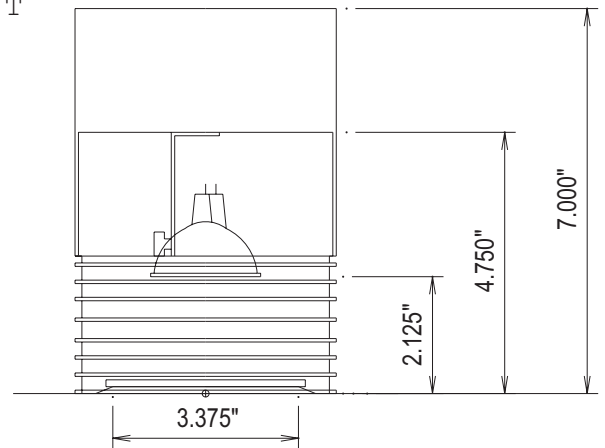
905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

LTL NUMBER: 09790
 PREPARED FOR: SPECIALTY LIGHTING INDUSTRIES, LLC
 CATALOG NUMBER: 1010-1
 LUMINAIRE: FORMED AND FABRICATED WHITE ENAMEL ALUMINUM HOUSING,
 CLEAR LINEAR PRISMATIC GLASS LENS.
 LAMP: ONE VBU 50 WATT MR16 HALOGEN LAMP RATED AT 880 LUMENS.
 LAMP CATALOG NUMBER: SYLVANIA 50MR16Q/40/FL/T
 MOUNTING: RECESSED

DATE: 04-18-2006

#09790

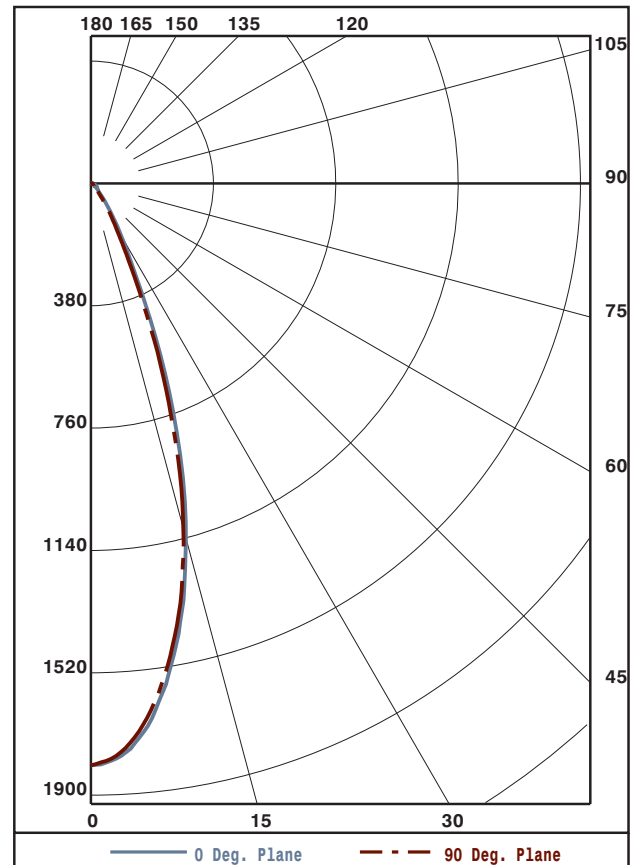
CANDELA DISTRIBUTION						FLUX
0.0	22.5	45.0	67.5	90.0		
0	1808	1808	1808	1808	1808	158
5	1727	1728	1722	1713	1709	307
15	1140	1134	1123	1114	1109	168
25	367	370	351	325	317	62
35	98	105	108	87	72	27
45	33	34	43	28	25	17
55	19	19	19	18	17	11
65	12	12	11	11	11	7
75	7	7	6	6	6	1
85	2	2	2	2	2	
90	0	0	0	0	0	



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	633	71.9	83.6
0- 40	695	78.9	91.7
0- 60	738	83.8	97.4
0- 90	757	86.0	100.0
90-180	0	0.0	0.0
0-180	757	86.0	100.0

TOTAL LUMINAIRE EFFICIENCY: 86.0%
 CIE TYPE: DIRECT
 PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 0.6 0.6
 LUMINOUS LENGTH: 3.375 3.375

LUMINANCE IN CANDELA PER SQUARE METER			
ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	246009.	246009.	246009.
45	6350.	8274.	4811.
55	4507.	4507.	4033.
65	3864.	3542.	3542.
75	3680.	3154.	3154.
85	3122.	3122.	3122.



TESTED BY HERSCHEL SCHRECK
 CHECKED BY MIKE GRATHER



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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	103	103	103	103	100	100	100	100	96	96	96	92	92	92	88	88	88	86
1	99	97	95	93	97	95	93	92	92	90	89	88	87	87	85	85	84	83
2	95	92	89	87	94	91	88	86	88	86	84	85	84	82	83	82	81	79
3	92	88	85	82	91	87	84	82	85	82	80	83	81	79	81	79	78	77
4	89	84	81	78	88	84	80	78	82	79	77	80	78	76	79	77	75	74
5	86	81	77	74	85	80	77	74	79	76	74	78	75	73	76	74	72	71
6	84	78	74	72	83	78	74	72	76	73	71	75	73	71	74	72	70	69
7	81	75	71	69	80	75	71	69	74	71	68	73	70	68	72	70	68	67
8	79	73	69	66	78	72	69	66	71	68	66	71	68	66	70	67	65	65
9	76	70	67	64	76	70	66	64	69	66	64	69	66	64	68	65	63	63
10	74	68	64	62	73	68	64	62	67	64	62	67	64	62	66	63	61	61

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1808	1808	1808	1808	1808
5	1727	1728	1722	1713	1709
10	1484	1480	1470	1463	1458
15	1140	1134	1123	1114	1109
20	735	733	709	688	683
25	367	370	351	325	317
30	189	188	179	158	147
35	98	105	108	87	72
40	52	56	71	44	36
45	33	34	43	28	25
50	24	26	26	22	20
55	19	19	19	18	17
60	15	16	15	14	13
65	12	12	11	11	11
70	9	10	9	8	9
75	7	7	6	6	6
80	4	4	4	4	4
85	2	2	2	2	2
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	43.
5- 10	115.
10- 15	155.
15- 20	152.
20- 25	107.
25- 30	60.
30- 35	38.
35- 40	24.
40- 45	15.
45- 50	11.
50- 55	9.
55- 60	8.
60- 65	6.
65- 70	5.
70- 75	4.
75- 80	3.
80- 85	1.
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.