



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

905 Harrison Street · Allentown, PA 18103 · (610) 770-1044 · Fax (610) 770-8912 · ltl1@thebridgeworks.com

LTL NUMBER: 05308

DATE: 08-04-2000

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: A7VF113E-07000SCL

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

#05308

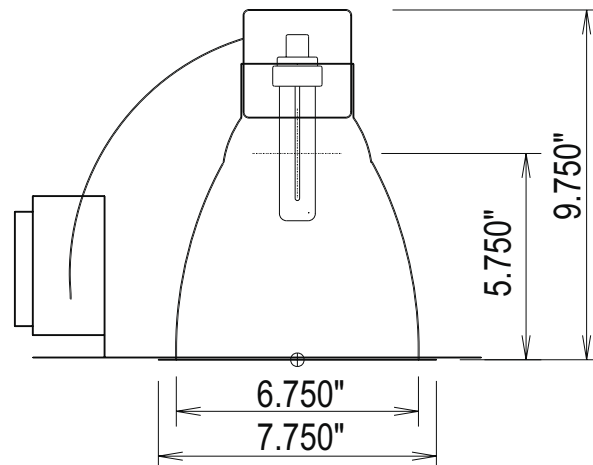
LAMP: ONE OSRAM D/E 13W/35K RATED AT 900 LUMENS.

BALLAST: ONE ADVANCE ICF-2S13-H1-LD

MOUNTING: RECESSED

TOTAL INPUT WATTS = 14.1 AT 120.0 VOLTS

DEG	CANDELA	LUMENS
0	467	
5	480	44
15	354	102
25	341	155
35	217	135
45	80	62
55	2	4
65	0	0
75	0	0
85	0	0
90	0	



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	301	33.4	59.9
0- 40	436	48.4	86.7
0- 60	502	55.8	100.0
0- 90	502	55.8	100.0
90-180	0	0.0	0.0
0-180	502	55.8	100.0

TOTAL LUMINAIRE EFFICIENCY: 55.8%

CIE TYPE: DIRECT

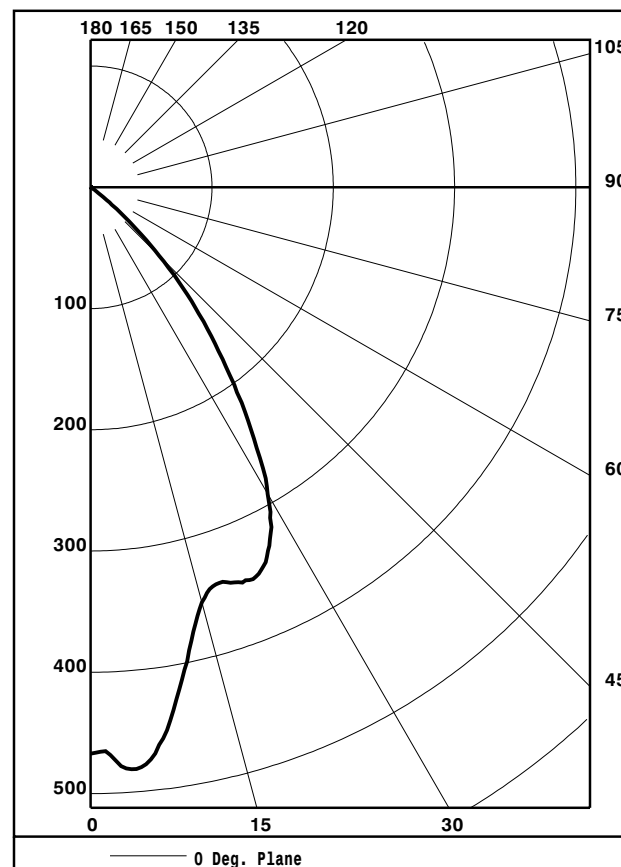
LUMINAIRE SPACING CRITERION = 1.0

LUMINOUS DIAMETER: 6.750

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	20226.
45	4900.
55	151.
65	0.
75	0.
85	0.



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER

THIS REPORT BASED ON LM-41 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	50	30	10	0
0	66	66	66	66	65	65	65	65	62	62	62	59	59	59	57	57	57	56	56	56	56
1	63	62	60	59	62	61	59	58	58	57	57	56	56	55	54	54	53	52	52	52	52
2	60	58	55	53	59	57	55	53	55	53	52	53	52	51	52	51	50	49	49	49	49
3	57	54	51	49	56	53	50	48	51	49	47	50	48	47	49	47	46	45	45	45	45
4	54	50	47	44	53	49	46	44	48	45	44	47	45	43	46	44	43	42	42	42	42
5	51	46	43	40	50	46	43	40	45	42	40	44	41	40	43	41	39	38	38	38	38
6	48	43	40	37	48	43	40	37	42	39	37	41	39	37	41	38	37	36	36	36	36
7	46	40	37	34	45	40	37	34	39	36	34	39	36	34	38	36	34	33	33	33	33
8	43	37	34	31	42	37	34	31	36	33	31	36	33	31	35	33	31	30	30	30	30
9	40	34	31	28	39	34	31	28	33	30	28	33	30	28	32	30	28	27	27	27	27
10	38	32	28	26	37	31	28	26	31	28	26	31	28	26	30	27	26	25	25	25	25

CANDELA DISTRIBUTION

	0.0
0	467
5	480
10	420
15	354
20	347
25	341
30	292
35	217
40	145
45	80
50	28
55	2
60	0
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	11.
5- 10	33.
10- 15	45.
15- 20	57.
20- 25	73.
25- 30	81.
30- 35	75.
35- 40	60.
40- 45	42.
45- 50	21.
50- 55	4.
55- 60	0.
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) 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.



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LTL TEST #05308

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	13.0	6.0
8.0	7.3	8.0
10.0	4.7	10.1
12.0	3.2	12.1
14.0	2.4	14.1
16.0	1.8	16.1

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