



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL NUMBER: 06257

DATE: 11-08-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 8MH070H1-08016SCL/SCL

LUMINAIRE: FORMED STEEL HOUSING, SPUN SEMI-SPECULAR ALUMINUM REFLECTOR,
CLEAR GLASS FRESNEL LENS ABOVE SPUN SEMI-SPECULAR ALUMINUM
LOWER REFLECTOR.

LAMP: ONE CLEAR SYLVANIA MH70/U/MED 70 WATT ED17 METAL HALIDE RATED AT
5,000 LUMENS.

MOUNTING: RECESSED

DEG	CANDELA	LUMENS
0	5813	
5	2574	241
15	4511	1124
25	1164	705
35	248	151
45	106	88
55	88	74
65	28	33
75	5	6
85	0	0
90	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	2070	41.4	85.5
0- 40	2221	44.4	91.7
0- 60	2382	47.6	98.4
0- 90	2421	48.4	100.0
90-180	0	0.0	0.0
0-180	2421	48.4	100.0

TOTAL LUMINAIRE EFFICIENCY: 48.4%

CIE TYPE: DIRECT

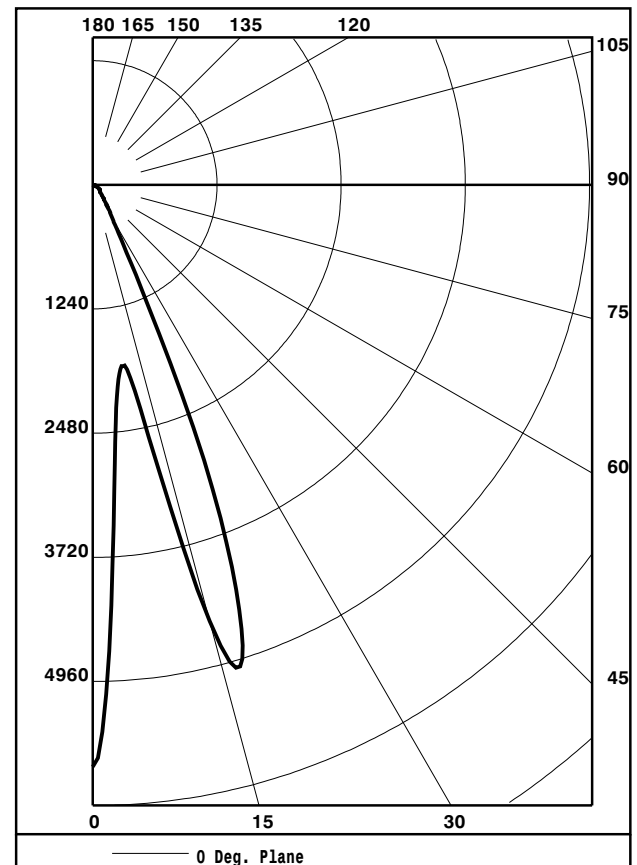
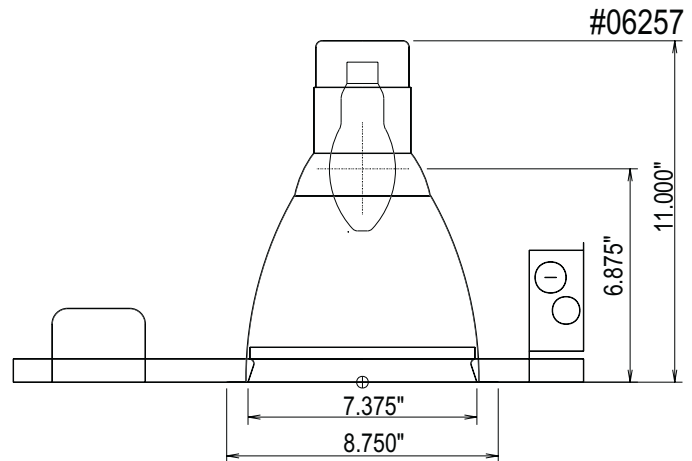
LUMINAIRE SPACING CRITERION = 0.2

LUMINOUS DIAMETER: 7.375

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG	
0	210905.
45	5439.
55	5566.
65	2404.
75	701.
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	58	58	58	58	56	56	56	56	54	54	54	52	52	52	49	49	49	48
1	56	54	53	53	54	53	53	52	52	51	50	50	49	49	48	48	47	46
2	54	52	50	49	53	51	50	48	49	48	47	48	47	46	47	46	45	45
3	52	50	48	46	51	49	47	46	48	46	45	47	45	44	46	45	44	43
4	50	47	45	44	49	47	45	44	46	44	43	45	44	43	44	43	42	42
5	48	45	43	42	48	45	43	41	44	42	41	43	42	41	43	41	40	40
6	47	44	42	40	46	43	41	40	43	41	40	42	41	39	42	40	39	39
7	45	42	40	38	45	42	40	38	41	39	38	41	39	38	40	39	38	37
8	44	40	38	37	43	40	38	37	40	38	36	39	38	36	39	37	36	36
9	42	39	37	35	42	39	37	35	38	36	35	38	36	35	38	36	35	34
10	41	38	35	34	41	37	35	34	37	35	34	37	35	34	36	35	34	33

CANDELA DISTRIBUTION

	0.0
0	5813
5	2574
10	1832
15	4511
20	4060
25	1164
30	415
35	248
40	161
45	106
50	92
55	88
60	62
65	28
70	18
75	5
80	0
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	100.
5- 10	140.
10- 15	306.
15- 20	818.
20- 25	550.
25- 30	155.
30- 35	90.
35- 40	61.
40- 45	48.
45- 50	40.
50- 55	38.
55- 60	36.
60- 65	21.
65- 70	12.
70- 75	6.
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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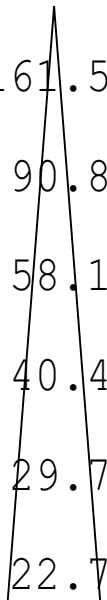
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LTL TEST #06245

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	161.5	0.9
8.0	90.8	1.2
10.0	58.1	1.6
12.0	40.4	1.9
14.0	29.7	2.2
16.0	22.7	2.5



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