



# LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING  
MEMBER

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

LTL NUMBER: 06259

DATE: 11-08-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 8MH100H1-08024SCL/SCL

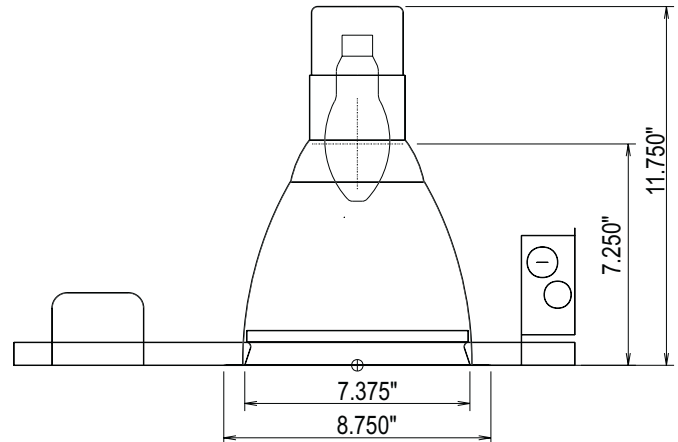
LUMINAIRE: FORMED STEEL HOUSING, SPUN SEMI-SPECULAR ALUMINUM REFLECTOR,  
CLEAR GLASS PRISMATIC LENS ABOVE SPUN SEMI-SPECULAR ALUMINUM  
LOWER REFLECTOR.

LAMP: ONE CLEAR SYLVANIA M100/MED 100 WATT ED17 METAL HALIDE RATED AT  
7,800 LUMENS.

MOUNTING: RECESSED

#06259

DEG	CANDELA	LUMENS
0	4816	
5	4644	431
15	3303	914
25	1676	775
35	707	449
45	284	225
55	119	103
65	77	78
75	31	38
85	0	1
90	0	



## ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	2121	27.2	70.3
0- 40	2569	32.9	85.2
0- 60	2897	37.1	96.1
0- 90	3014	38.6	100.0
90-180	0	0.0	0.0
0-180	3014	38.6	100.0

TOTAL LUMINAIRE EFFICIENCY: 38.6%

CIE TYPE: DIRECT

LUMINAIRE SPACING CRITERION = 0.6

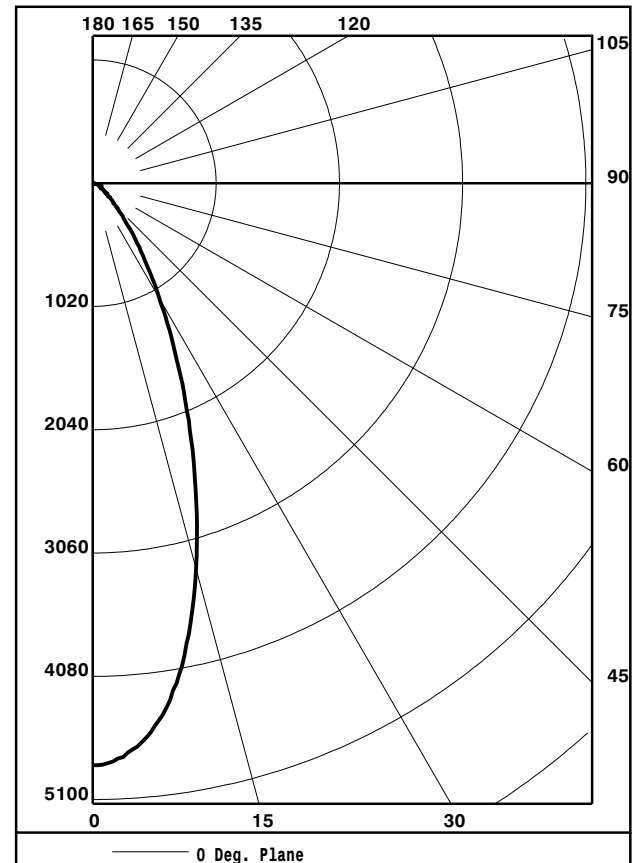
LUMINOUS DIAMETER: 7.375

## LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG

0	174732.
45	14572.
55	7527.
65	6610.
75	4346.
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	46	46	46	46	45	45	45	45	43	43	43	41	41	41	39	39	39	39
1	44	43	42	41	43	42	41	41	41	40	39	39	39	38	38	38	37	36
2	42	40	39	38	41	40	38	37	39	37	37	37	37	36	36	36	35	34
3	40	38	36	35	40	38	36	35	37	35	34	36	35	34	35	34	33	33
4	39	36	34	33	38	36	34	33	35	33	32	34	33	32	33	32	32	31
5	37	34	32	31	36	34	32	31	33	32	30	33	31	30	32	31	30	29
6	36	33	31	29	35	32	30	29	32	30	29	31	30	29	31	29	28	28
7	34	31	29	27	34	31	29	27	30	28	27	30	28	27	29	28	27	26
8	33	29	27	26	32	29	27	26	29	27	26	28	27	26	28	27	26	25
9	31	28	26	25	31	28	26	25	27	26	24	27	26	24	27	25	24	24
10	30	27	25	23	30	27	25	23	26	25	23	26	24	23	26	24	23	23

CANDELA DISTRIBUTION

	0.0
0	4816
5	4644
10	4123
15	3303
20	2433
25	1676
30	1100
35	707
40	427
45	284
50	178
55	119
60	81
65	77
70	73
75	31
80	10
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	114.
5- 10	317.
10- 15	443.
15- 20	472.
20- 25	427.
25- 30	348.
30- 35	262.
35- 40	187.
40- 45	132.
45- 50	93.
50- 55	60.
55- 60	43.
60- 65	37.
65- 70	41.
70- 75	33.
75- 80	5.
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.



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LTL TEST #06259

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	133.8	3.9
8.0	75.3	5.2
10.0	48.2	6.5
12.0	33.4	7.8
14.0	24.6	9.0
16.0	18.8	10.3

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