



LUMINAIRE TESTING LABORATORY, INC.



SUSTAINING
MEMBER

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

LTL NUMBER: 06260

DATE: 11-08-2001

PREPARED FOR: VANTAGE LUMINAIRES

CATALOG NUMBER: 8MH100H1-08016SCL/SCL

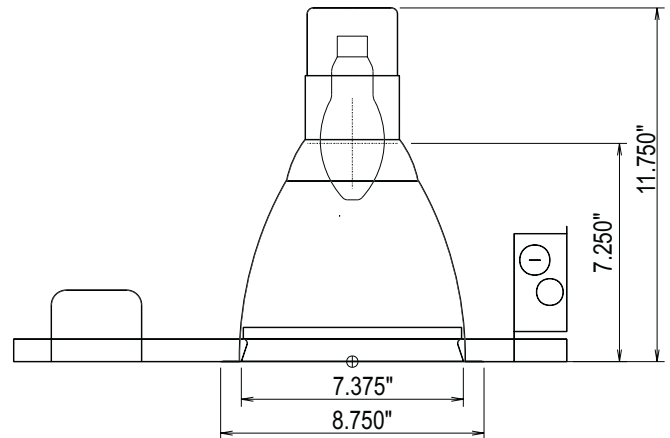
LUMINAIRE: FORMED STEEL HOUSING, SPUN SEMI-SPECULAR ALUMINUM REFLECTOR,
CLEAR GLASS FRESNEL LENS ABOVE SPUN SEMI-SPECULAR ALUMINUM
LOWER REFLECTOR.

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

MOUNTING: RECESSED

#06260

DEG	CANDELA	LUMENS
0	6406	
5	3106	293
15	7343	1584
25	1051	704
35	237	145
45	132	110
55	94	79
65	73	74
75	26	31
85	0	0
90	0	



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	2581	33.1	85.5
0- 40	2726	35.0	90.3
0- 60	2915	37.4	96.5
0- 90	3020	38.7	100.0
90-180	0	0.0	0.0
0-180	3020	38.7	100.0

TOTAL LUMINAIRE EFFICIENCY: 38.7%

CIE TYPE: DIRECT

LUMINAIRE SPACING CRITERION = 0.2

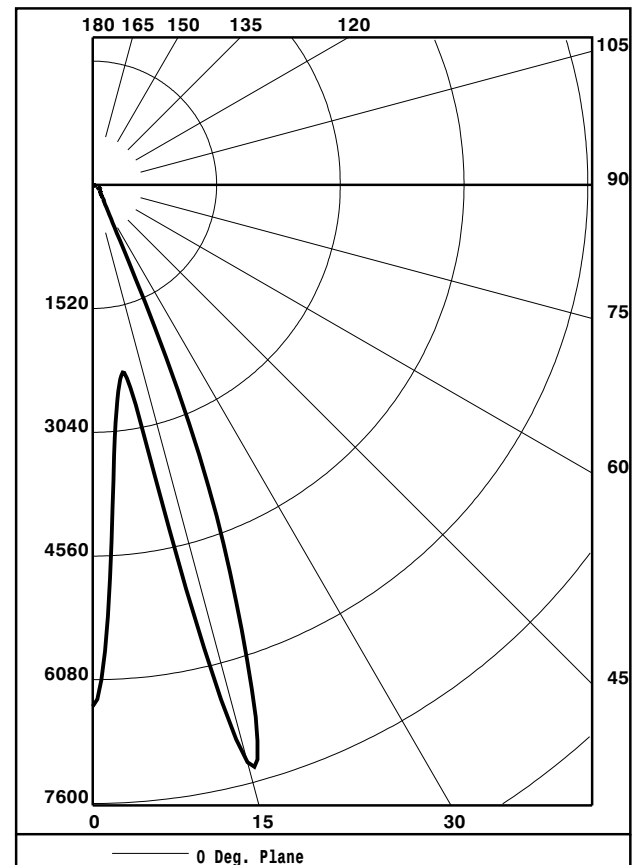
LUMINOUS DIAMETER: 7.375

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE AVERAGE

IN DEG

0	232420.
45	6773.
55	5946.
65	6267.
75	3645.
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	50	30	10	0
0	46	46	46	46	45	45	45	45	43	43	43	41	41	41	40	40	40	40	40	40	39
1	44	43	43	42	43	43	42	41	41	41	40	40	39	39	38	38	38	38	38	38	37
2	43	41	40	39	42	41	39	38	39	38	38	38	37	37	37	37	37	37	37	36	36
3	41	39	38	37	41	39	38	36	38	37	36	37	36	35	36	35	35	36	35	35	34
4	40	38	36	35	39	37	36	35	37	35	34	36	35	34	35	34	33	35	34	33	33
5	39	36	34	33	38	36	34	33	35	34	33	35	33	32	34	33	32	34	33	32	32
6	37	35	33	32	37	35	33	32	34	33	32	34	32	31	33	32	31	33	32	31	31
7	36	34	32	31	36	33	32	30	33	31	30	32	31	30	32	31	30	32	31	30	30
8	35	32	31	29	35	32	31	29	32	30	29	31	30	29	31	30	29	31	30	29	29
9	34	31	30	28	34	31	29	28	31	29	28	30	29	28	30	29	28	30	29	28	28
10	33	30	29	27	33	30	29	27	30	28	27	30	28	27	29	28	27	29	28	27	27

CANDELA DISTRIBUTION

	0.0
0	6406
5	3106
10	2413
15	7343
20	4691
25	1051
30	361
35	237
40	157
45	132
50	111
55	94
60	66
65	73
70	64
75	26
80	11
85	0
90	0

ZONAL LUMEN SUMMARY

0- 5	116.
5- 10	178.
10- 15	512.
15- 20	1071.
20- 25	571.
25- 30	133.
30- 35	82.
35- 40	64.
40- 45	54.
45- 50	56.
50- 55	46.
55- 60	34.
60- 65	37.
65- 70	37.
70- 75	26.
75- 80	5.
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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LTL TEST #06260

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	177.9	1.0
8.0	100.1	1.3
10.0	64.1	1.7
12.0	44.5	2.0
14.0	32.7	2.4
16.0	25.0	2.7

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