



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: 13907

DATE: 10-28-2008

PREPARED FOR: USA ILLUMINATION, INC.

CATALOG NUMBER: 9350-TRIM/BL400-HOUSING/(2) 50W MR16

LUMINAIRE: FORMED STEEL HOUSING, CAST WHITE ENAMEL ALUMINUM AND STEEL TRIM WITH FROSTED GLASS ENCLOSURE.

LAMPS: TWO VBU 50 WATT MR16 HALOGEN LAMPS RATED AT 850 LUMENS EACH.

LAMP CATALOG NUMBER: PHILIPS 50MR16/FL35

BALLAST: ONE MDL 315-0134

MOUNTING: RECESSED

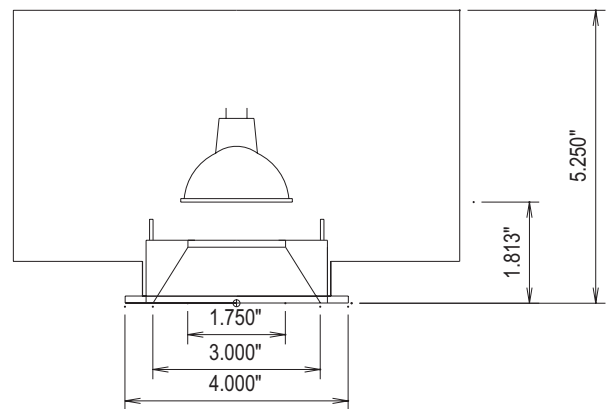
CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1665	1665	1665	1665	1665
5	1617	1607	1600	1600	1601
15	1151	1142	1139	1137	1136
25	568	565	562	555	550
35	255	256	255	234	222
45	131	130	121	103	97
55	75	74	65	52	46
65	44	40	26	18	16
75	14	12	6	6	5
85	0	0	0	0	0
90	0	0	0	0	0

FLUX

149
315
259
156
92
56
29
9
1

#13907



ZONAL LUMEN SUMMARY

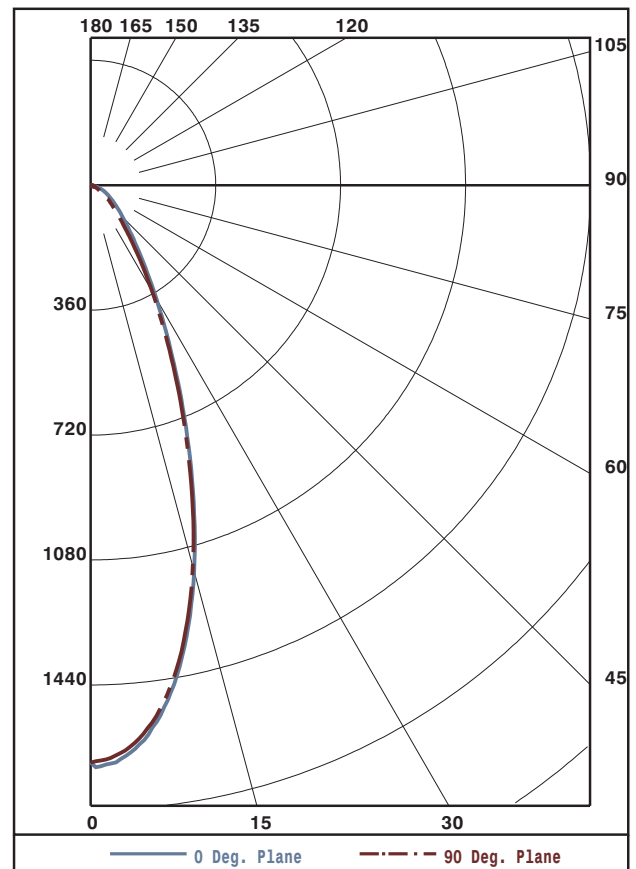
ZONE	LUMENS	%LAMP	%FIXT
0- 30	723	42.5	67.8
0- 40	879	51.7	82.5
0- 60	1027	60.4	96.4
0- 90	1066	62.7	100.0
90-180	0	0.0	0.0
0-180	1066	62.7	100.0

TOTAL LUMINAIRE EFFICIENCY: 62.7%

CIE TYPE: DIRECT
 PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 0.6 0.6
 LUMINOUS LENGTH: 5.250 3.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	163845.	163845.	163845.
45	18231.	16839.	13499.
55	12867.	11152.	7892.
65	10245.	6054.	3726.
75	5323.	2281.	1901.
85	0.	0.	0.



Approved By: MG

THIS REPORT BASED ON LM-46 AND OTHER PERTINENT IESNA PROCEDURES.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

Table with 19 columns (RC, RW, 80, 70, 50, 30, 10, 0) and 11 rows of utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns of candela values for various angles from 0 to 90 degrees.

ZONAL LUMEN SUMMARY

Table with 3 columns showing lumen values for different zones from 0-5 to 85-90 degrees.

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.



LTL TEST #13907

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	46.3	3.9
8.0	26.0	5.1
10.0	16.6	6.4
12.0	11.6	7.7
14.0	8.5	9.0
16.0	6.5	10.3

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