



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: 09334

DATE: 10-26-2005

PREPARED FOR: ENERCON/HIBRITE INTERNATIONAL

CATALOG NUMBER: HF8-2

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

LAMPS: TWO 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2950 LUMENS
EACH.

LAMP CATALOG NUMBER: PHILIPS F32T8/TL850/PLUS/ALTO

BALLAST: ONE GE GE-232-MAX-N/ULTRA

MOUNTING: PENDANT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS = 56.5 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

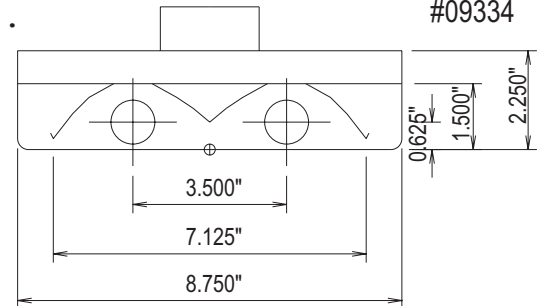
#09334

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2543	2543	2543	2543	2543
5	2521	2528	2528	2503	2499
15	2432	2386	2311	2235	2201
25	2247	2136	1938	1764	1719
35	1982	1793	1496	1370	1312
45	1659	1339	1094	956	948
55	1272	916	729	731	742
65	850	512	519	624	658
75	420	274	386	418	440
85	57	110	147	150	153
90	0	6	13	14	20

FLUX

238
651
902
986
906
761
598
400
140



ZONAL LUMEN SUMMARY

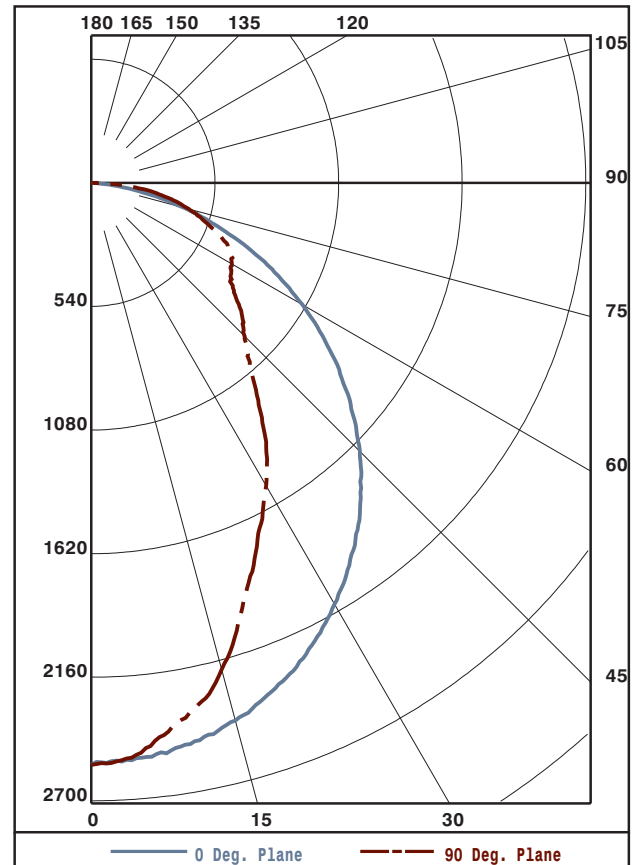
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1790	30.3	32.1
0- 40	2777	47.1	49.7
0- 60	4444	75.3	79.6
0- 90	5582	94.6	100.0
90-180	0	0.0	0.0
0-180	5582	94.6	100.0

TOTAL LUMINAIRE EFFICIENCY: 94.6%

CIE TYPE: DIRECT
 PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 1.2 0.9
 LUMINOUS LENGTH: 48.250 7.125

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	11465.	11465.	11465.
45	10577.	6975.	6044.
55	9998.	5730.	5832.
65	9068.	5537.	7019.
75	7316.	6724.	7664.
85	2948.	7604.	7914.



TESTED BY HERSCHEL SCHRECK
 CHECKED BY MIKE GRATHER



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

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

CANDELA DISTRIBUTION

Table with 6 columns (0.0, 22.5, 45.0, 67.5, 90.0) and 17 rows (0-90) showing candela distribution values.

ZONAL LUMEN SUMMARY

Table with 3 columns (0-5, 5-10, 10-15, 15-20, 20-25, 25-30, 30-35, 35-40, 40-45, 45-50, 50-55, 55-60, 60-65, 65-70, 70-75, 75-80, 80-85, 85-90) and 17 rows showing zonal lumen summary.

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.