



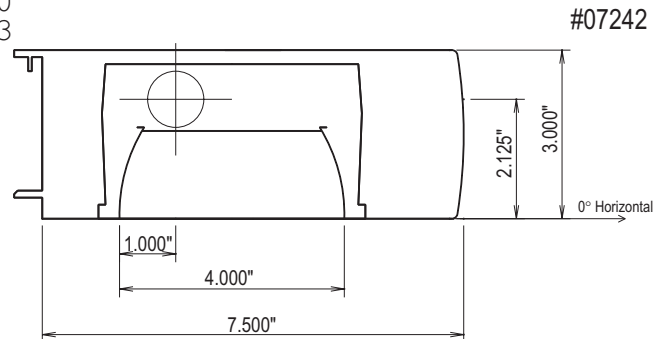
LTL NUMBER: 07242 DATE: 02-18-2003
PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING
CATALOG NUMBER: TRP01-SP-4-X-BW-X-120-T8
LUMINAIRE: EXTRUDED ALUMINUM HOUSING, FORMED SPECULAR ALUMINUM REFLECTORS, 12 CELL, 1 1/2" DEEP, FORMED WHITE ENAMEL ALUMINUM LOUVER BELOW LAMP.
LAMP: ONE 32 WATT LINEAR FLUORESCENT T8 LAMP RATED AT 2850 LUMENS.
LAMP CATALOG NUMBER: PHILIPS F32T8/TL841
BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B132I120RH-A
MOUNTING: WALL
LUMEN TO CANDELA RATIO USED = 9.18
TOTAL INPUT WATTS = 29.6 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.

Table with columns: CANDELA DISTRIBUTION, FLUX. Rows show beam angles from 0 to 90 degrees and corresponding lumen values.

Table with columns: ZONAL LUMEN SUMMARY, ZONE, LUMENS, %LAMP, %FIXT. Rows show zones from 0-30 to 0-180 degrees.

TOTAL LUMINAIRE EFFICIENCY: 59.5%
CIE TYPE: DIRECT
PLANE: 0-DEG 90-DEG 180-DEG
SPACING CRITERIA: 2.1 1.3 1.0
SHIELDING ANGLES: 27 21 53
LUMINOUS LENGTH: 4.000 48.000

Table with columns: LUMINANCE IN CANDELA PER SQUARE METER, ANGLE, AVERAGE. Rows show angles from 0 to 85 degrees.



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



LTL NUMBER: 07242

DATE: 02-18-2003

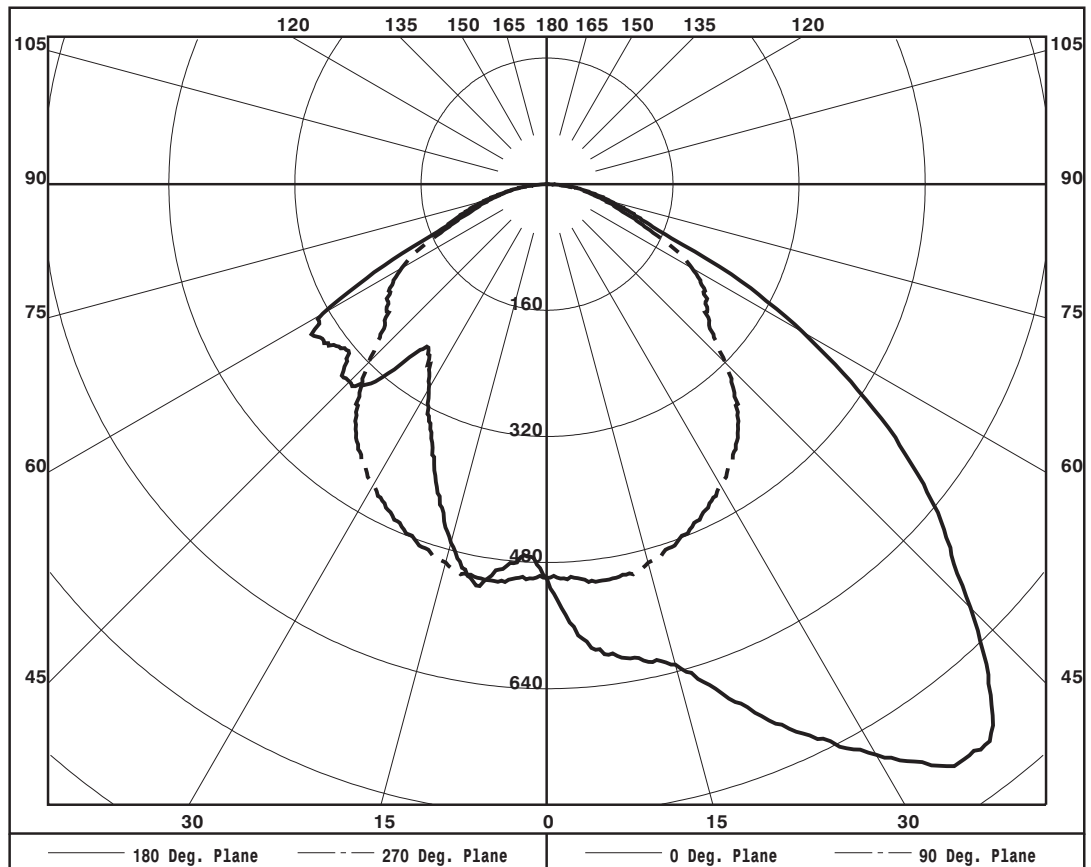
PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CANDELA DISTRIBUTION

Table with 10 columns representing angles from 0.0 to 180.0 and 17 rows representing candela values at 5-degree intervals.

ZONAL LUMEN SUMMARY

Table with 2 columns: angle ranges (e.g., 0-5, 5-10) and corresponding lumen values.





LTL NUMBER: 07242

DATE: 02-18-2003

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

Table with columns for RC, RW, and values for 80, 70, 50, 30, 10, 0 reflectance levels. Rows represent different cavity ratios from 0 to 10.

NOTE: THE ZONAL CAVITY CALCULATION TECHNIQUE IS ACCURATE WHEN LUMINAIRES WITH SYMMETRIC CANDELA DISTRIBUTIONS ARE EMPLOYED AND WHEN THE LUMINAIRES ARE LOCATED SYMMETRICALLY THROUGHOUT THE ROOM. THIS UNIT HAS SPECIAL CHARACTERISTICS AND THEREFORE THESE COEFFICIENTS SHOULD BE USED WITH CAUTION.

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.



LUMINAIRE TESTING LABORATORY, INC.



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

INITIAL ILLUMINATION OF 50 FOOTCANDLES USING LTL TEST NUMBER 07242  
 LUMINAIRE SUSPENSION LENGTH = 1.5  
 WORKING PLANE HEIGHT = 2.50  
 FLOOR REFLECTANCE = 20

ROOM HT		8				9				10				12			
CEIL RF		80		70		80		70		80		70		80		70	
WALL RF		70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
WIDTH	LENGTH																
10.	10.	4	5	5	5	4	5	5	6	5	6	6	7	5	7	7	8
10.	15.	5	6	6	7	6	7	7	8	6	7	7	8	7	9	9	10
15.	20.	10	10	11	11	10	11	11	12	10	12	12	13	12	14	14	16
15.	30.	14	15	15	16	14	16	16	17	15	17	17	18	16	19	19	21
20.	20.	12	13	13	14	13	14	14	15	13	15	15	16	14	17	17	19
20.	30.	18	19	19	20	18	20	20	21	19	21	21	23	20	23	23	25
20.	40.	23	24	25	26	24	25	26	27	24	26	27	29	26	29	30	32
20.	60.	34	35	36	38	35	37	38	40	36	38	39	42	38	41	42	46
30.	30.	25	27	27	28	26	28	28	30	27	29	29	31	28	31	32	34
30.	40.	33	35	35	37	34	36	37	38	35	37	38	40	37	40	41	44
30.	50.	41	43	44	45	42	44	45	47	43	46	46	49	45	49	50	53
30.	60.	49	51	52	54	50	52	53	56	51	54	55	58	53	57	58	62
60.	60.	94	97	99	101	96	99	101	104	97	101	103	107	100	105	107	112
60.	80.	125	128	131	133	126	130	133	136	128	132	135	139	131	137	140	146
60.	100.	155	159	162	165	157	161	165	168	159	164	167	172	162	169	173	179
100.	100.	256	260	266	269	258	263	269	273	260	266	272	278	264	273	279	286

QUANTITY OF LUMINAIRES