



LTL NUMBER: 07212

DATE: 01-30-2003

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: TRSO4-PP2-4-PB-120-T8

LUMINAIRE: EXTRUDED ALUMINUM HOUSING, FORMED SPECULAR ALUMINUM REFLECTORS BESIDE LAMPS, 12 CELL, 1 1/2" DEEP, FORMED SEMI-SPECULAR ALUMINUM LOUVER BELOW LAMPS, CLEAR POLYCARBONATE ENCLOSURE WITH LAMINATED PERFORATED SPECULAR LAYER ABOVE LAMPS.

LAMPS: FOUR PHILIPS F32T8/TL841 RATED AT 2850 LUMENS EACH.

BALLAST: ONE ADVANCE RCN-4P32-SC

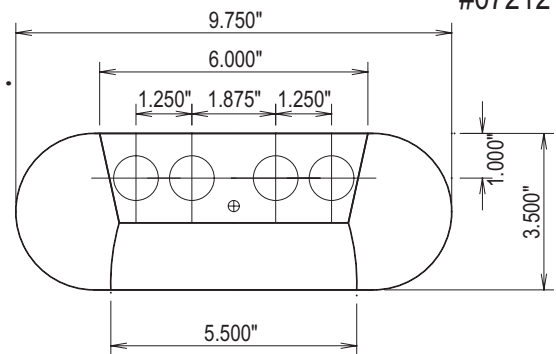
MOUNTING: PENDENT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS =101.2 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

#07212



CANDELA DISTRIBUTION

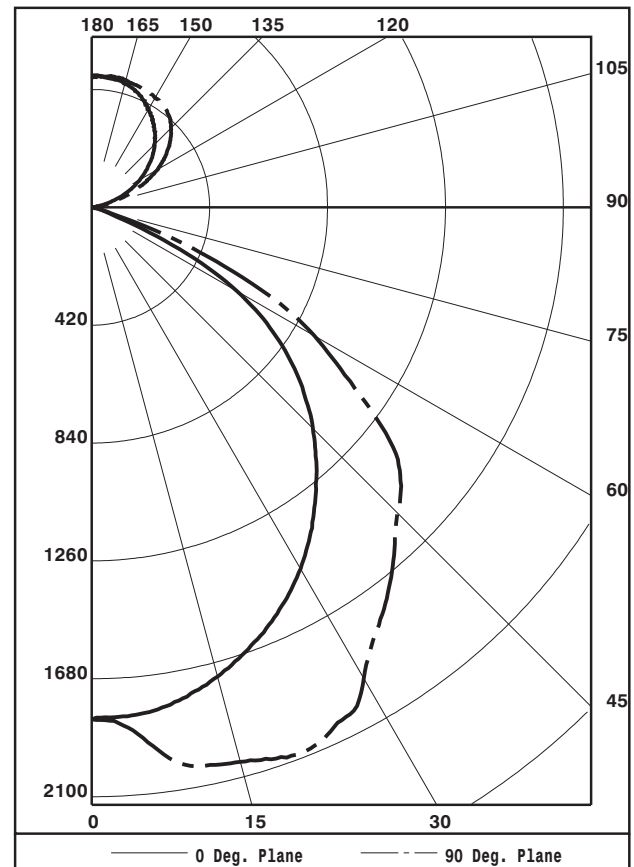
Table with 6 columns: Candela values at 0.0, 22.5, 45.0, 67.5, 90.0 degrees and a corresponding FLUX column.

ZONAL LUMEN SUMMARY

Table with 4 columns: ZONE, LUMENS, %LAMP, and %FIXT.

TOTAL LUMINAIRE EFFICIENCY: 58.5%

CIE TYPE: SEMI-DIRECT
PLANE: 0-DEG 90-DEG
SPACING CRITERIA: 1.2 1.5
SHIELDING ANGLES: 21 21



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



LUMINAIRE TESTING LABORATORY, INC.



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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 (0-10) showing utilization coefficients.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 48.000 5.500

LUMINANCE IN CANDELA PER SQUARE METER

Table with 4 columns (ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG) and 6 rows (0, 45, 55, 65, 75, 85) showing average luminance values.



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CANDELA DISTRIBUTION

Table with 6 columns of candela values for various angles from 0.0 to 180 degrees.

ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal angle ranges and corresponding lumen values.

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.



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INITIAL ILLUMINATION OF 50 FOOTCANDLES USING LTL TEST NUMBER 07212
LUMINAIRE SUSPENSION LENGTH = 1.5
WORKING PLANE HEIGHT = 2.50
FLOOR REFLECTANCE = 20

Table with columns for ROOM HT, CEIL RF, WALL RF, WIDTH, and LENGTH, and rows for room dimensions (e.g., 10. 10., 10. 15., etc.) and ceiling/wall reflectance values (80, 70).

QUANTITY OF LUMINAIRES