



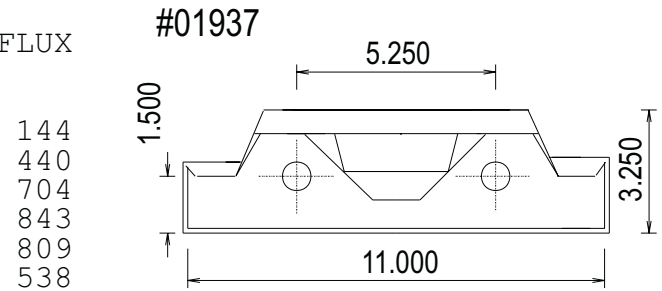
LTL NUMBER: 01937 DATE: 12-22-1994
PREPARED FOR: MERCURY LIGHTING PRODUCTS COMPANY INC.
CATALOG NUMBER: M106-232-OCT-A-ART-ELB-120V-B232I-120-RH
LUMINAIRE: FORMED STEEL HOUSING, SPECULAR ALUMINUM REFLECTOR, CLEAR ACRYLIC PRISMATIC WRAPAROUND LENS.
LAMPS: TWO F32/T8 RATED 2900 LUMENS EACH.
BALLAST: MAGNETEK B232I120RH
MOUNTING: SURFACE

LUMEN TO CANDELA RATIO USED = 9.17
TOTAL INPUT WATTS = 55.6 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION

Table with 6 columns representing beam angles (0.0, 22.5, 45.0, 67.5, 90.0) and rows representing beam angles from 0 to 180 degrees.

FLUX

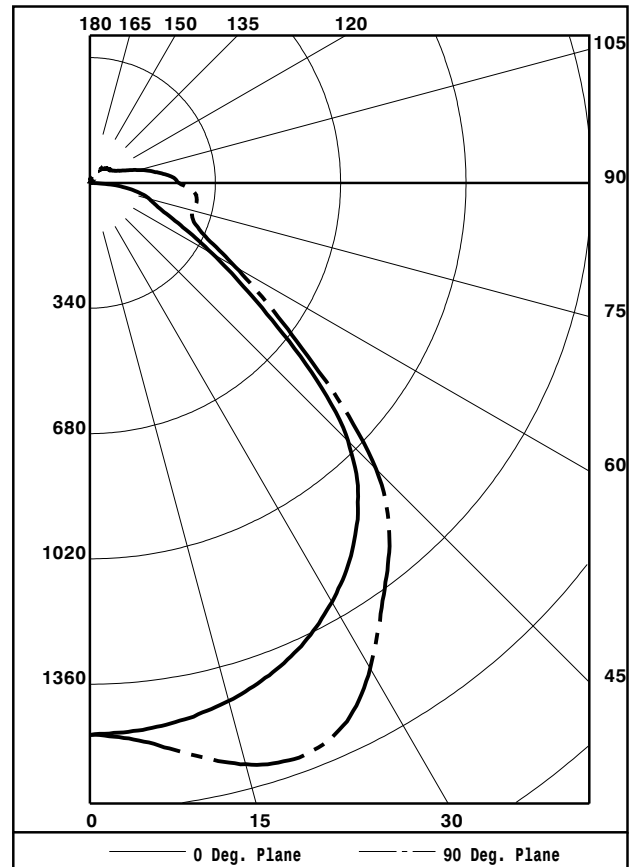


#01937

ZONAL LUMEN SUMMARY

Table with 4 columns: ZONE, LUMENS, %LAMP, %FIXT. Rows show lumen distribution for various zones from 0-30 to 0-180 degrees.

TOTAL LUMINAIRE EFFICIENCY: 78.6%
CIE TYPE: DIRECT
PLANE: 0-DEG 90-DEG
SPACING CRITERIA: 1.3 1.4



TESTED BY JOHN HAYES
CHECKED BY JAY LANGTHORN



LUMINAIRE TESTING LABORATORY, INC.



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

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

Table with columns RC, RW, and rows for angles 80, 70, 50, 30, 10, 0. Each cell contains a numerical value representing the coefficient of utilization.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 47.875 11.000
HEIGHT OF SIDE: 0.000 1.750

LUMINANCE IN CANDELA PER SQUARE METER

Table with columns ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG. Rows show values for angles 0, 45, 55, 65, 75, 85.



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CANDELA DISTRIBUTION

ZONAL LUMEN SUMMARY

Table with 6 columns: Candela values at 0.0, 22.5, 45.0, 67.5, 90.0 degrees and Zonal Lumen Summary ranges from 0-5 to 175-180.

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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VISUAL COMFORT PROBABILITY TABLE

RATED LUMENS PER LAMP 2900.

100. FC. REFLECTANCES 80/50/20

ROOM LUMINAIRES 0 DEG PLANE

LUMINAIRES 90 DEG PLANE

W	L	LUMINAIRES 0 DEG PLANE				LUMINAIRES 90 DEG PLANE			
		8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	69	73	78	82	66	72	78	82
20	30	63	66	71	75	56	63	70	74
20	40	59	62	67	70	49	55	63	68
20	60	55	58	61	65	42	48	55	62
30	20	69	73	78	81	67	72	77	81
30	30	62	66	70	73	57	63	69	73
30	40	58	61	65	68	49	55	62	66
30	60	54	57	59	63	41	47	53	59
30	80	52	55	56	59	37	42	48	53
40	20	70	74	78	81	69	74	78	81
40	30	62	66	70	73	58	64	69	73
40	40	58	61	65	68	50	55	62	66
40	60	54	57	59	62	42	48	53	59
40	80	52	54	55	58	37	42	47	53
40	100	52	53	53	56	34	39	43	48
60	30	62	66	70	74	60	65	70	73
60	40	57	61	64	67	51	56	62	66
60	60	54	56	58	62	43	48	53	58
60	80	52	54	55	58	37	42	47	52
60	100	51	52	53	55	34	38	42	47
100	40	58	61	65	69	55	60	64	68
100	60	54	57	59	62	46	51	55	60
100	80	52	54	55	58	40	45	48	53
100	100	51	52	53	55	37	40	43	48