



LTL NUMBER: 07957

DATE: 03-02-2004

PREPARED FOR: BRIGHTLINE

CATALOG NUMBER: FIX-TD2/CS-MF-B

LUMINAIRE: FORMED STEEL HOUSING, FORMED SPECULAR ALUMINUM REFLECTOR, FORMED BLACK ENAMEL 1/2" DEEP ALUMINUM HONEYCOMB BAFFLE. LUMINAIRE WAS AIMED 50 DEGREES ABOVE NADIR.

LAMPS: TWO 55 WATT T5 TWIN TUBE FLUORESCENT LAMPS RATED AT 3800 LUMENS EACH.

LAMP CATALOG NUMBER: OSRAM 55W/3200 STUDIOLINE

BALLASTS: ONE TRIDONIC PCA 2/54 T5HO EXCEL ONE4ALL

MOUNTING: RECESSED

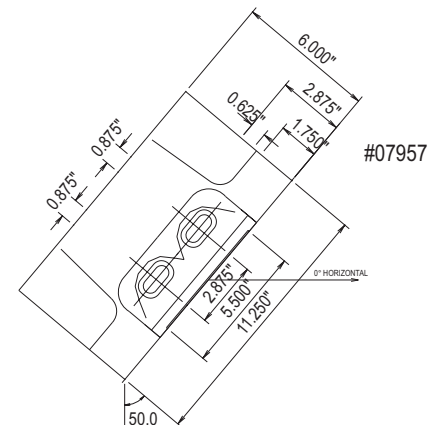
TOTAL INPUT WATTS = 92.2 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.

CANDELA DISTRIBUTION										FLUX
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	
0	0	0	0	0	0	0	0	0	0	0
5	12	9	3	0	6	0	0	0	0	0
15	60	40	22	7	0	0	0	0	0	4
25	266	133	52	15	0	0	0	0	0	21
35	920	442	72	12	0	0	0	0	0	78
45	1490	782	54	0	0	0	0	0	0	153
55	1564	676	22	0	0	0	0	0	0	166
65	988	354	3	0	0	0	0	0	0	104
75	313	88	0	0	0	0	0	0	0	33
85	57	34	0	0	0	0	0	0	0	9
90	33	21	0	0	0	0	0	0	0	0
95	21	3	0	0	0	0	0	0	0	2
105	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

ZONAL ZONE	LUMEN SUMMARY LUMENS	%LAMP	%FIXT
0- 30	26	0.3	4.5
0- 40	104	1.4	18.3
0- 60	423	5.6	74.2
0- 90	569	7.5	99.7
90-120	2	0.0	0.3
90-130	2	0.0	0.3
90-150	2	0.0	0.3
90-180	2	0.0	0.3
0-180	570	7.5	100.0

TOTAL LUMINAIRE EFFICIENCY: 7.5%
CIE TYPE: DIRECT



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



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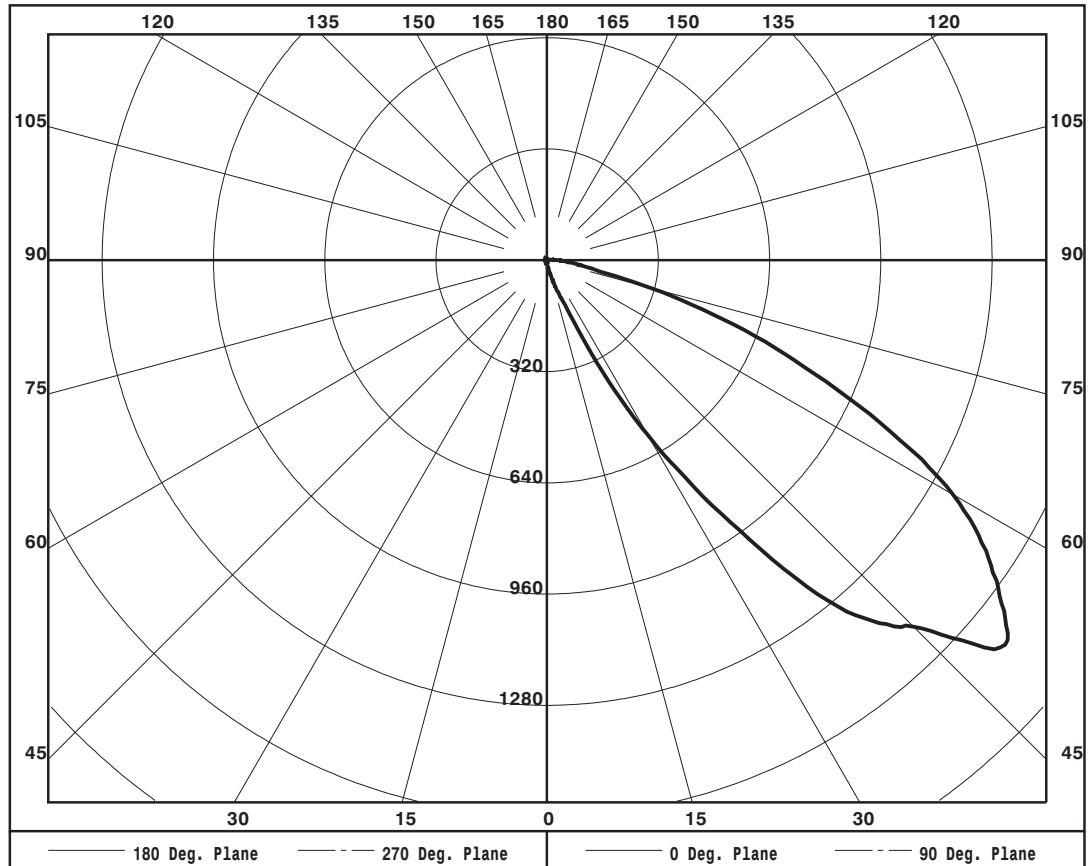
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ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal Range and Lumen Value. Rows range from 0-5 to 175-180.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 3.150 20.250
HEIGHT OF SIDE: 4.500 0.000

LUMINANCE IN CANDELA PER SQUARE METER. Table with 4 columns: ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG. Rows for angles 0, 45, 55, 65, 75, 85.





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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

Table with columns for RC, RW, and various distance/height values (80, 70, 50, 30, 10, 0) and rows for height values (0-10).

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.