



LTL NUMBER: 07958

DATE: 03-02-2004

PREPARED FOR: BRIGHTLINE

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

LUMINAIRE: FORMED STEEL HOUSING, FORMED SPECULAR ALUMINUM REFLECTOR, FORMED BLACK ENAMEL 3/4" 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

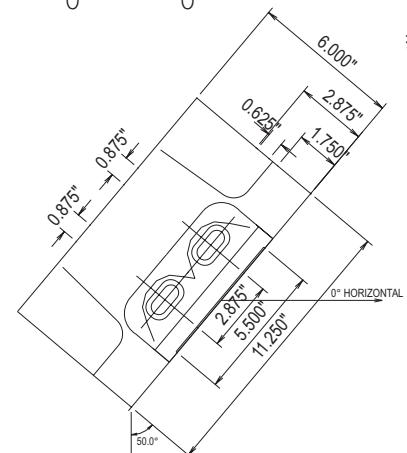
TOTAL INPUT WATTS = 90.9 AT 120.0 VOLTS

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	0	0	0	0	0	0	0	0	0	0
15	18	18	7	0	0	0	0	0	0	1
25	99	66	25	0	0	0	0	0	0	9
35	582	184	36	0	0	0	0	0	0	42
45	1400	331	24	0	0	0	0	0	0	102
55	1391	234	24	0	0	0	0	0	0	106
65	540	137	7	0	0	0	0	0	0	53
75	90	42	0	0	0	0	0	0	0	13
85	12	9	0	0	0	0	0	0	0	3
90	3	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
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 LUMEN SUMMARY		%LAMP	%FIXT
ZONE	LUMENS		
0- 30	10	0.1	2.9
0- 40	51	0.7	15.7
0- 60	258	3.4	79.0
0- 90	327	4.3	100.0
90-120	0	0.0	0.0
90-130	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	327	4.3	100.0

TOTAL LUMINAIRE EFFICIENCY: 4.3%
CIE TYPE: DIRECT



#07958

TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



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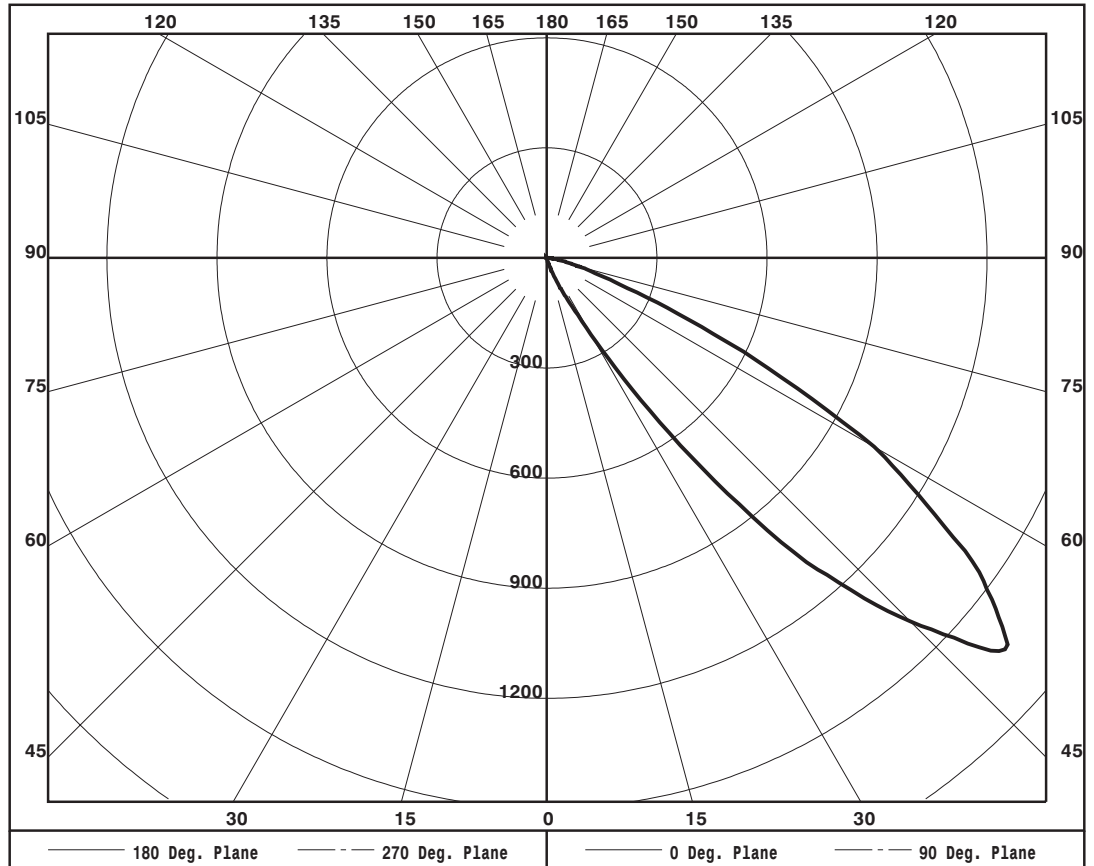
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ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal angle ranges (0-5 to 175-180) and corresponding lumen values (0. to 19.).

Table with 3 columns: PLANE (0-DEG, 90-DEG), LUMINOUS LENGTH (3.150, 20.250), HEIGHT OF SIDE (4.500, 0.000).

Table with 4 columns: ANGLE IN DEG (0, 45, 55, 65, 75, 85), AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG.





LUMINAIRE TESTING LABORATORY, INC.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4
1	5	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2	4	4	4	3	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3
3	4	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2
4	3	3	2	2	3	3	2	2	3	2	2	3	2	2	2	2	2	2	2
5	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1
6	3	2	2	1	3	2	2	1	2	2	1	2	1	1	2	1	1	1	1
7	2	2	1	1	2	2	1	1	2	1	1	2	1	1	1	1	1	1	1
8	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	2	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	0	0	0
10	2	1	1	0	2	1	1	0	1	1	0	1	1	0	1	1	0	0	0

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.