



LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING
MEMBER
of the
IESNA

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

LTL NUMBER: 12726

DATE: 03-13-2008

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: MLS-D1-4-X-PBW-X-120-T8

LUMINAIRE: EXTRUDED ALUMINUM HOUSING, FORMED WHITE ENAMEL ALUMINUM REFLECTOR, 30 CELL, 3/4" DEEP, FORMED WHITE ENAMEL ALUMINUM BAFFLE.

LAMP: ONE 32 WATT T8 LINEAR FLUORESCENT LAMP RATED AT 2850 LUMENS.

LAMP CATALOG NUMBER: PHILIPS F32T8/TL835/ALTO

BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B232IUNV-C

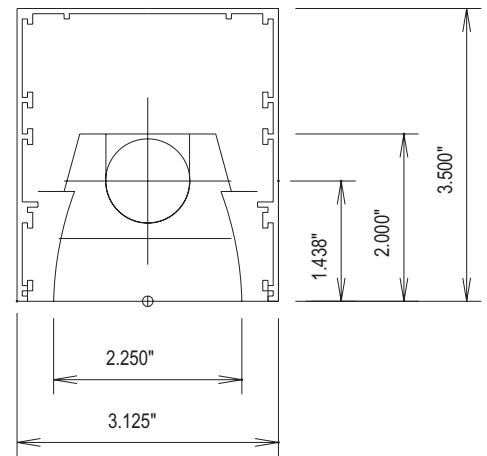
MOUNTING: PENDANT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS = 32.9 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

#12726



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	750	750	750	750	750	
5	743	742	749	747	749	71
15	682	686	706	722	731	199
25	592	602	628	648	661	288
35	487	499	510	511	526	317
45	366	376	367	364	377	285
55	232	237	231	228	234	208
65	107	109	121	126	132	120
75	57	56	58	62	65	63
85	13	14	14	15	15	16
90	0	0	0	0	0	

FLUX

ZONAL LUMEN SUMMARY

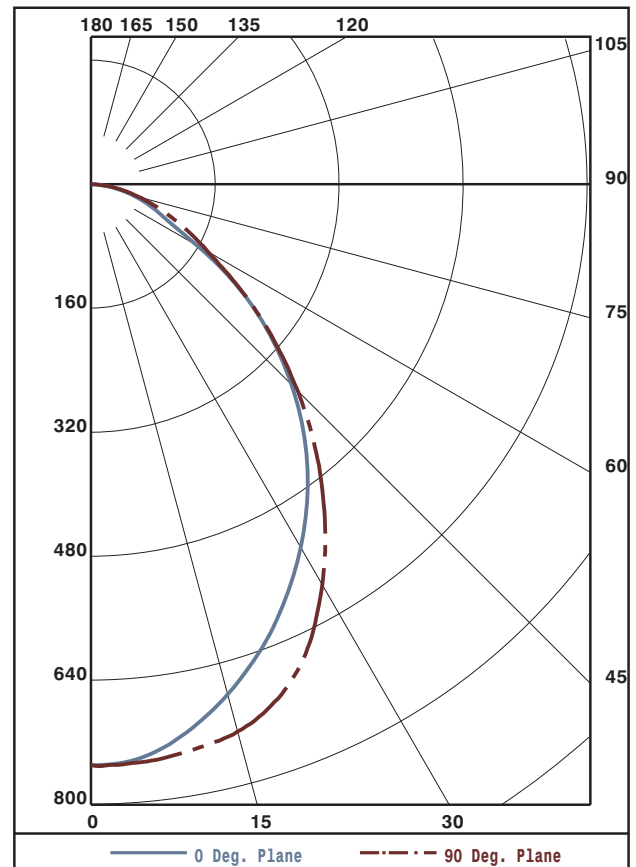
ZONE	LUMENS	%LAMP	%FIXT
0- 30	558	19.6	35.6
0- 40	874	30.7	55.8
0- 60	1367	48.0	87.3
0- 90	1566	55.0	100.0
90-180	0	0.0	0.0
0-180	1566	55.0	100.0

TOTAL LUMINAIRE EFFICIENCY: 55.0%

CIE TYPE: DIRECT
 PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 1.1 1.2
 SHIELDING ANGLES: 29 34
 LUMINOUS LENGTH: 44.875 2.250

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	11513.	11513.	11513.
45	7945.	7967.	8184.
55	6209.	6182.	6262.
65	3886.	4395.	4794.
75	3381.	3440.	3855.
85	2290.	2466.	2642.



Approved By: MG



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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	65	65	65	65	64	64	64	64	61	61	61	58	58	58	56	56	56	55
1	61	59	57	55	60	58	56	54	55	54	53	53	52	51	51	50	50	48
2	57	53	50	47	55	52	49	47	50	48	45	48	46	44	47	45	44	42
3	52	48	44	41	51	47	43	40	45	42	40	44	41	39	42	40	38	37
4	48	43	39	35	47	42	38	35	41	37	35	40	37	34	38	36	34	33
5	45	38	34	31	44	38	34	31	37	33	30	36	33	30	35	32	30	29
6	41	35	30	27	40	34	30	27	33	30	27	33	29	27	32	29	26	25
7	38	32	27	24	38	31	27	24	30	27	24	30	26	24	29	26	24	23
8	36	29	24	21	35	28	24	21	27	24	21	27	23	21	26	23	21	20
9	33	26	21	19	32	25	21	18	25	21	18	24	21	18	24	21	18	17
10	31	24	19	17	30	23	19	16	23	19	16	22	19	16	22	19	16	15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	750	750	750	750	750
5	743	742	749	747	749
10	717	719	732	737	742
15	682	686	706	722	731
20	640	647	672	694	706
25	592	602	628	648	661
30	541	553	574	584	597
35	487	499	510	511	526
40	429	440	438	437	452
45	366	376	367	364	377
50	300	308	298	294	304
55	232	237	231	228	234
60	158	167	172	169	174
65	107	109	121	126	132
70	81	81	85	92	95
75	57	56	58	62	65
80	34	34	35	37	38
85	13	14	14	15	15
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	18.
5- 10	53.
10- 15	85.
15- 20	114.
20- 25	136.
25- 30	152.
30- 35	159.
35- 40	158.
40- 45	150.
45- 50	135.
50- 55	116.
55- 60	92.
60- 65	69.
65- 70	51.
70- 75	38.
75- 80	25.
80- 85	13.
85- 90	3.

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.