



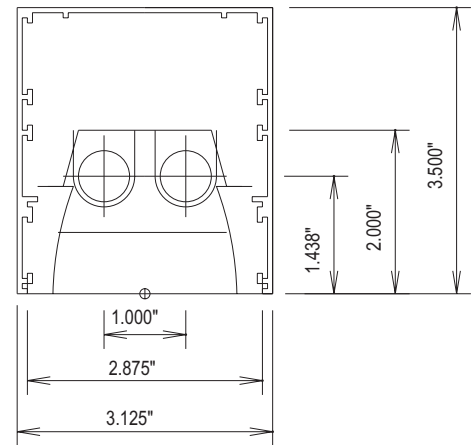
**LUMINAIRE TESTING LABORATORY, INC.**

SUSTAINING  
MEMBER  
of the  
IESNA

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

LTL NUMBER: 12723 DATE: 02-28-2008  
 PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING  
 CATALOG NUMBER: MLS-D2-4-X-PBW-X-120-T5  
 LUMINAIRE: EXTRUDED ALUMINUM HOUSING, FORMED WHITE ENAMEL ALUMINUM REFLECTOR, 30 CELL, 3/4" DEEP, FORMED WHITE ENAMEL ALUMINUM BAFFLE.  
 LAMP: TWO 28 WATT T5 LINEAR FLUORESCENT LAMPS RATED AT 2610 LUMENS EACH.  
 LAMP CATALOG NUMBER: PHILIPS F28T5/835/ALTO  
 BALLAST: ONE ADVANCE ICN-2S28  
 MOUNTING: PENDANT  
 LUMEN TO CANDELA RATIO USED = 9.18  
 TOTAL INPUT WATTS = 52.3 AT 120.0 VOLTS  
 THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

#12723

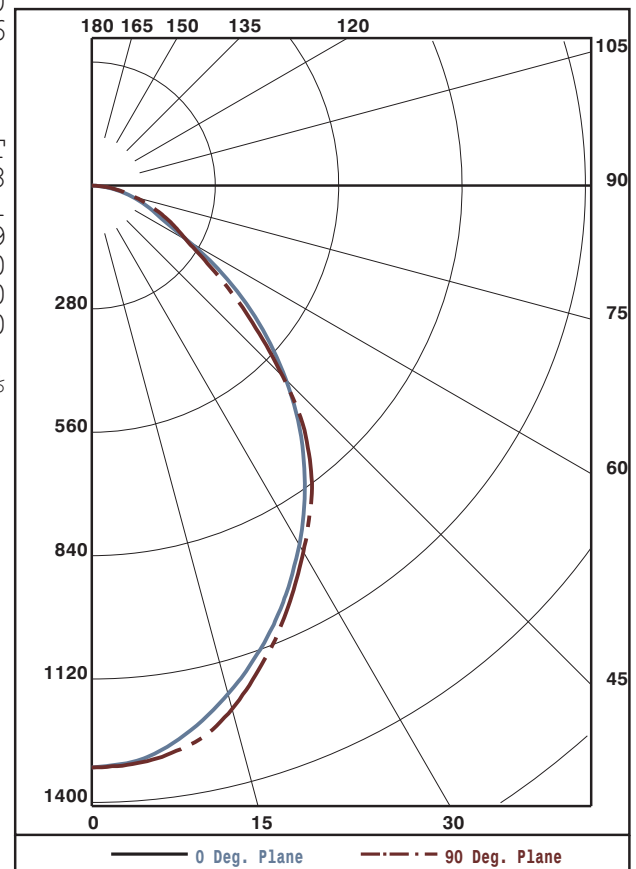


CANDELA DISTRIBUTION						FLUX
0.0	22.5	45.0	67.5	90.0		
0	1321	1321	1321	1321	1321	124
5	1306	1307	1318	1312	1313	342
15	1194	1201	1224	1227	1230	479
25	1034	1040	1033	1040	1054	522
35	843	832	818	836	868	468
45	623	604	604	605	613	324
55	380	375	367	341	339	185
65	171	175	188	191	197	100
75	91	91	93	98	102	26
85	21	21	23	24	25	
90	0	0	0	0	0	

ZONAL	LUMEN	SUMMARY		
ZONE	LUMENS	%LAMP	%FIXT	
0- 30	945	18.1	36.8	
0- 40	1468	28.1	57.1	
0- 60	2260	43.3	87.9	
0- 90	2571	49.3	100.0	
90-180	0	0.0	0.0	
0-180	2571	49.3	100.0	

TOTAL LUMINAIRE EFFICIENCY: 49.3%  
 CIE TYPE: DIRECT  
 PLANE: 0-DEG 90-DEG  
 SPACING CRITERIA: 1.1 1.1  
 SHIELDING ANGLES: 29 34  
 LUMINOUS LENGTH: 48.000 2.250

LUMINANCE IN CANDELA PER SQUARE METER			
ANGLE	AVERAGE	AVERAGE	AVERAGE
IN DEG	0-DEG	45-DEG	90-DEG
0	18957.	18957.	18957.
45	12644.	12258.	12441.
55	9508.	9182.	8482.
65	5807.	6384.	6690.
75	5046.	5157.	5656.
85	3458.	3787.	4116.



Approved By: MG



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: 12723

DATE: 02-28-2008

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

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	59	59	59	59	57	57	57	57	55	55	55	52	52	52	50	50	50	49
1	55	53	51	50	53	52	50	49	50	48	47	48	47	46	46	45	44	44
2	51	47	45	42	50	47	44	42	45	43	41	43	42	40	42	40	39	38
3	47	43	39	37	46	42	39	36	41	38	36	39	37	35	38	36	35	34
4	44	39	35	32	43	38	35	32	37	34	32	36	33	31	35	33	31	30
5	40	35	31	28	39	34	31	28	33	30	28	32	30	27	31	29	27	26
6	37	32	28	25	37	31	27	25	30	27	25	29	27	24	29	26	24	23
7	35	29	25	22	34	28	25	22	28	24	22	27	24	22	26	24	21	21
8	32	26	22	19	31	26	22	19	25	22	19	24	21	19	24	21	19	18
9	30	23	20	17	29	23	19	17	23	19	17	22	19	17	22	19	17	16
10	28	21	18	15	27	21	18	15	21	17	15	20	17	15	20	17	15	14

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1321	1321	1321	1321	1321
5	1306	1307	1318	1312	1313
10	1260	1265	1283	1285	1288
15	1194	1201	1224	1227	1230
20	1119	1125	1135	1138	1145
25	1034	1040	1033	1040	1054
30	941	941	927	938	960
35	843	832	818	836	868
40	737	719	711	732	759
45	623	604	604	605	613
50	505	488	491	462	466
55	380	375	367	341	339
60	256	266	264	247	248
65	171	175	188	191	197
70	129	129	135	143	147
75	91	91	93	98	102
80	55	55	57	59	62
85	21	21	23	24	25
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	32.
5- 10	93.
10- 15	148.
15- 20	194.
20- 25	228.
25- 30	251.
30- 35	261.
35- 40	261.
40- 45	248.
45- 50	220.
50- 55	183.
55- 60	141.
60- 65	105.
65- 70	81.
70- 75	60.
75- 80	40.
80- 85	22.
85- 90	4.

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.