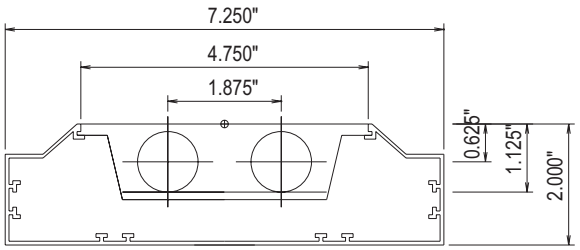
LTL LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING MEMBER of the IESNA

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

LTL NUMBER: 13292 DATE: 06-02-2008
PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING
CATALOG NUMBER: DRSI-02-X-4-X-X-120-T8
LUMINAIRE: EXTRUDED ALUMINUM HOUSING, FORMED WHITE ENAMEL ALUMINUM REFLECTOR WITH SPECULAR ALUMINUM SIDES, OPEN TOP.
LAMPS: TWO 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2850 LUMENS EACH.
LAMP CATALOG NUMBER: PHILIPS F32T8/TL841/ALTO
BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B232IUNV-C
MOUNTING: PENDANT
LUMEN TO CANDELA RATIO USED = 9.18
TOTAL INPUT WATTS = 58.4 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

#13292



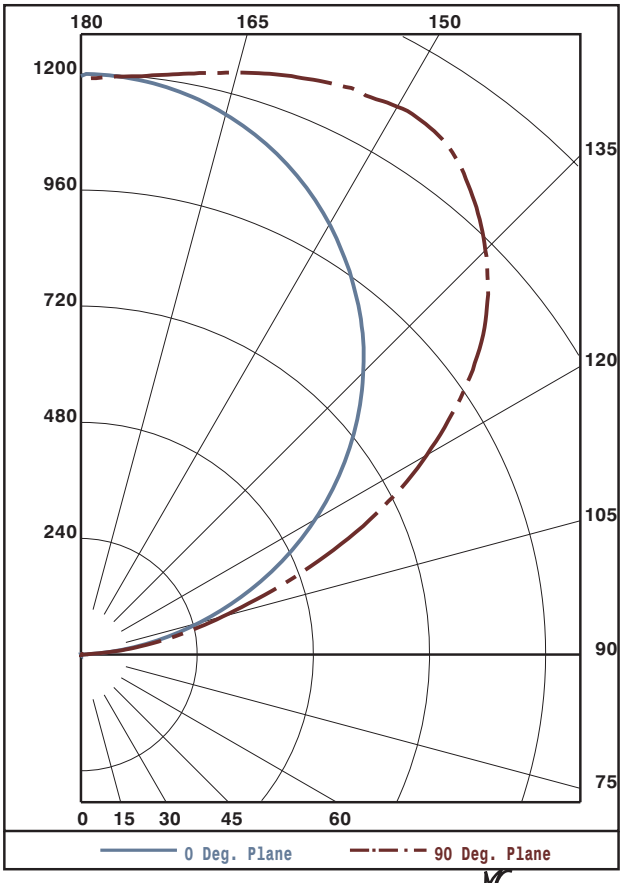
CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
90	0	0	0	0	0	
95	58	74	69	64	61	77
105	251	373	342	309	303	346
115	459	640	684	669	658	629
125	654	828	939	972	972	793
135	825	955	1114	1169	1182	818
145	967	1047	1184	1276	1301	727
155	1079	1119	1205	1270	1294	552
165	1156	1167	1208	1236	1245	341
175	1195	1190	1199	1201	1200	114
180	1195	1195	1195	1195	1195	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 90	0	0.0	0.0
90-120	1052	18.5	23.9
90-130	1846	32.4	42.0
90-150	3390	59.5	77.1
90-180	4397	77.1	100.0
0-180	4397	77.1	100.0

TOTAL LUMINAIRE EFFICIENCY: 77.1%
TOTAL REFLECTANCE OF PAINT: 88.6%
CIE TYPE: INDIRECT



Approved By: MG

THIS REPORT BASED ON LM-41 AND OTHER PERTINENT IESNA PROCEDURES.

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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	73	73	73	73	63	63	63	63	43	43	43	25	25	25	8	8	8	0
1	67	64	61	58	57	54	52	50	37	36	35	21	21	20	7	7	7	0
2	61	56	51	48	52	48	44	41	33	31	29	19	18	17	6	6	5	0
3	55	49	44	39	47	42	38	34	29	26	24	17	15	14	5	5	5	0
4	50	43	37	33	43	37	32	29	25	22	20	15	13	12	5	4	4	0
5	46	38	32	28	39	33	28	24	22	20	17	13	11	10	4	4	3	0
6	42	34	28	24	36	29	24	21	20	17	15	12	10	9	4	3	3	0
7	39	30	25	21	33	26	21	18	18	15	13	10	9	8	3	3	3	0
8	36	27	22	18	31	23	19	16	16	13	11	9	8	7	3	3	2	0
9	33	25	19	16	28	21	17	14	15	12	10	9	7	6	3	2	2	0
10	31	22	17	14	26	19	15	12	13	11	9	8	6	5	3	2	2	0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
90	0	0	0	0	0
95	58	74	69	64	61
100	150	216	185	177	174
105	251	373	342	309	303
110	355	516	522	486	472
115	459	640	684	669	658
120	558	745	826	828	825
125	654	828	939	972	972
130	743	897	1037	1083	1094
135	825	955	1114	1169	1182
140	900	1005	1159	1238	1252
145	967	1047	1184	1276	1301
150	1027	1086	1199	1279	1307
155	1079	1119	1205	1270	1294
160	1122	1146	1207	1255	1272
165	1156	1167	1208	1236	1245
170	1181	1182	1205	1217	1219
175	1195	1190	1199	1201	1200
180	1195	1195	1195	1195	1195

ZONAL LUMEN SUMMARY

90- 95	11.
95-100	66.
100-105	135.
105-110	212.
110-115	285.
115-120	345.
120-125	385.
125-130	408.
130-135	414.
135-140	404.
140-145	381.
145-150	345.
150-155	301.
155-160	251.
160-165	198.
165-170	143.
170-175	86.
175-180	29.

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.