



7036 Snowdrift Road Suite 200
Allentown, PA 18106
610-774-1300

Photometric Indoor Test Report

Relevant Standards
IES LM-79-2008
ANSI C82.77-2002

Prepared For
LDPI Inc
Charles Caldwell
4404 Anderson Dr.
Eau Claire, WI 54703-0495

Catalog Number
LE300-P11-V1-F1-N
Project Number
10230735
Test Number
497724

Test Date

2014-04-23

Prepared By

Handwritten signature of Derek Smarr in black ink.

Derek Smarr, Technician

Approved By

Handwritten signature of Jeffrey M. Lockner in black ink.

Jeffrey Lockner, Engineer

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Cast aluminum housing, clear glass enclosure
Catalog Number: LE300-P11-V1-F1-N
Lamp: 24 white LEDs with clear plastic optics below each
Mounting: Pendant
Ballast/Driver: One Inventronics EUC-120S140DT

Luminaire



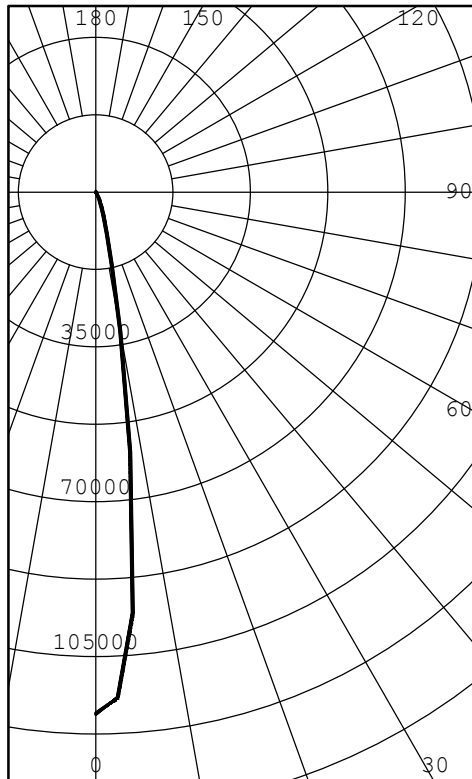
Test Conditions

Test Temperature:	24.7 °C
Voltage:	120.0 VAC
Current:	0.8930 A
Power:	106.6 W
Power Factor:	0.995
Frequency:	60 Hz
Current THD:	6.87 %



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INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS



ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	*****	*****	*****	*****	*****	
5	96621	95675	95294	95022	95561	6698
10	31532	31860	32434	32224	31906	
15	9593	9947	10297	10047	9802	3232
20	4017	4735	5656	4903	4220	
25	1646	2215	3237	2372	1790	1143
30	595	836	1862	982	584	
35	259	341	1057	342	280	350
40	242	232	559	254	240	
45	209	226	283	239	238	196
50	201	209	232	217	212	
55	182	182	180	190	200	166
60	128	144	148	154	153	
65	91	115	127	112	124	109
70	61	57	89	88	86	
75	39	31	56	39	41	47
80	16	19	20	14	16	
85	1	16	0	4	0	7
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	11073	92.68
0-40	11423	95.61
0-60	11785	98.64
0-90	11947	100.00
40-90	524	4.39
60-90	163	1.36
90-180	0	0.00
0-180	11947	100.00

EFFICACY (LUMENS PER WATT): 112.1

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 8.500 INS
 WIDTH: 8.500 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 0.3
 SC: 0.3

ANGLE	ALONG	45	ACROSS
45	6336	8614	7249
55	6799	6760	7522
65	4621	6484	6333
75	3257	4639	3382
85	332	0	0

TESTED IN ACCORDANCE WITH IES PROCEDURES.



INTENSITY (CANDLEPOWER) DATA
 IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0.0	117901	117901	117901	117901	117901	117901	
2.5	114867	114454	114087	113890	114388	114264	
5.0	96621	95675	95294	95022	95561	95520	6698
7.5	58075	58394	59558	59144	59339	58951	
10.0	31532	31860	32434	32224	31906	32059	
12.5	16210	16483	16344	16552	16733	16463	
15.0	9593	9947	10297	10047	9802	9997	3232
17.5	6026	6694	7401	6878	6252	6778	
20.0	4017	4735	5656	4903	4220	4853	
22.5	2656	3325	4344	3502	2880	3485	
25.0	1646	2215	3237	2372	1790	2385	1143
27.5	975	1403	2420	1554	1019	1594	
30.0	595	836	1862	982	584	1067	
32.5	375	498	1428	568	353	714	
35.0	259	341	1057	342	280	502	350
37.5	242	263	775	258	266	387	
40.0	242	232	559	254	240	321	
42.5	240	230	390	242	240	276	
45.0	209	226	283	239	238	243	196
47.5	227	222	256	228	228	233	
50.0	201	209	232	217	212	216	
52.5	207	188	202	206	198	200	
55.0	182	182	180	190	200	186	166
57.5	154	164	186	184	180	175	
60.0	128	144	148	154	153	147	
62.5	98	126	124	127	132	123	
65.0	91	115	127	112	124	116	109
67.5	67	84	104	106	84	92	
70.0	61	57	89	88	86	77	
72.5	42	58	69	79	58	64	
75.0	39	31	56	39	41	41	47
77.5	12	38	19	31	20	26	
80.0	16	19	20	14	16	17	
82.5	18	3	10	8	0	8	
85.0	1	16	0	4	0	5	7
87.5	13	6	0	0	2	3	
90.0	0	0	0	0	0	0	



COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10				0	
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	1.221	.221	.221	.22	1.191	.191	.191	.19	1.161	.161	.161	.16	1.111	.111	.111	.11	1.061	.061	.061	.06	1.021	.021	.021	.02	1.00
	1	1.181	.161	.141	.12	1.161	.141	.121	.11	1.131	.121	.101	.09	1.081	.071	.06	1.041	.031	.02	1.011	.001	.00	0.98			
	2	1.141	.111	.091	.06	1.121	.101	.071	.05	1.111	.081	.061	.04	1.051	.031	.01	1.021	.010	.99	1.000	.980	.97	0.96			
	3	1.111	.071	.041	.01	1.101	.061	.031	.01	1.081	.051	.021	.00	1.031	.000	.99	1.000	.990	.97	0.980	.970	.96	0.95			
	4	1.091	.041	.010	.99	1.081	.031	.000	.98	1.061	.021	.000	.97	1.000	.980	.96	0.990	.970	.95	0.970	.950	.94	0.93			
	5	1.071	.020	.980	.95	1.051	.010	.970	.95	1.041	.000	.970	.95	0.980	.960	.94	0.970	.950	.93	0.960	.940	.92	0.91			
	6	1.050	.990	.960	.94	1.040	.990	.950	.93	1.020	.980	.950	.93	0.970	.940	.92	0.960	.930	.92	0.950	.930	.91	0.90			
	7	1.020	.970	.940	.92	1.010	.970	.930	.91	1.010	.960	.930	.91	0.950	.920	.91	0.940	.920	.90	0.930	.910	.90	0.89			
	8	1.010	.960	.920	.90	1.000	.950	.920	.90	0.990	.940	.910	.89	0.930	.910	.89	0.930	.900	.89	0.920	.900	.88	0.88			
	9	0.990	.940	.910	.88	0.980	.930	.900	.88	0.980	.930	.900	.88	0.920	.890	.88	0.920	.890	.87	0.910	.890	.87	0.86			
	10	0.980	.920	.890	.87	0.970	.920	.890	.87	0.960	.920	.890	.87	0.910	.880	.86	0.900	.880	.86	0.900	.880	.86	0.85			

THE ABOVE COEFFICIENTS HAVE BEEN CALCULATED BASED ON LUMINAIRE LUMENS
 BECAUSE IN AN ABSOLUTE TEST THE BARE LAMP LUMENS ARE UNKNOWN.
 LIGHTING DESIGN CALCULATIONS MADE USING THESE COEFFICIENTS SHOULD
 THEREFORE USE THE LUMINAIRE LUMENS IN THE CALCULATION FORMULA

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST
 LUMINOUS OPENING OF LUMINAIRE.