



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-M
Project Number
10230735
Test Number
514125

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-M
Lamp: 24 white LEDs with clear plastic optics below each
Mounting: Pendant
Ballast/Driver: One Inventronics EUC-120S140DT

Luminaire

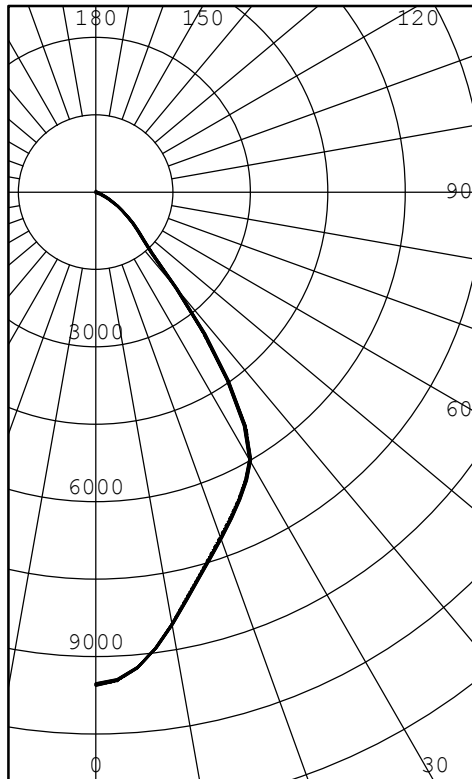


Test Conditions

Test Temperature:	24.6 °C
Voltage:	120.0 VAC
Current:	0.8891 A
Power:	106.1 W
Power Factor:	0.995
Frequency:	60 Hz
Current THD:	6.78 %



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS



ANGLE	ALONG 22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	9539	9539	9539	9539	
5	9265	9244	9253	9210	869
10	8487	8475	8503	8478	
15	7703	7684	7719	7696	2166
20	7074	7083	7116	7089	
25	6549	6552	6576	6551	3011
30	6003	5977	5986	5953	
35	4451	4454	4485	4452	2683
40	2396	2382	2396	2405	
45	1322	1319	1340	1322	1104
50	955	957	955	949	
55	643	646	641	637	577
60	385	382	378	378	
65	200	196	195	196	208
70	93	95	97	94	
75	32	34	37	33	43
80	11	9	6	11	
85	0	1	1	1	3
90	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	6046	56.70
0-40	8730	81.87
0-60	10410	97.63
0-90	10663	100.00
40-90	1933	18.13
60-90	253	2.37
90-180	0	0.00
0-180	10663	100.00

EFFICACY (LUMENS PER WATT): 100.5

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 8.500 INS
 WIDTH: 8.500 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.0
 SC: 1.0

ANGLE	ALONG	45	ACROSS
45	40099	40819	39925
55	24049	24070	23824
65	10165	9915	9837
75	2689	3062	2658
85	0	197	370

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	9539	9539	9539	9539	9539	9539	
2.5	9493	9469	9473	9427	9469	9462	
5.0	9265	9244	9253	9210	9252	9241	869
7.5	8911	8896	8914	8879	8914	8901	
10.0	8487	8475	8503	8478	8509	8488	
12.5	8061	8050	8085	8066	8098	8070	
15.0	7703	7684	7719	7696	7733	7704	2166
17.5	7366	7364	7401	7378	7413	7383	
20.0	7074	7083	7116	7089	7124	7097	
22.5	6807	6815	6844	6820	6852	6827	
25.0	6549	6552	6576	6551	6580	6561	3011
27.5	6283	6277	6299	6273	6302	6285	
30.0	6003	5977	5986	5953	5982	5977	
32.5	5402	5401	5426	5377	5370	5398	
35.0	4451	4454	4485	4452	4459	4462	2683
37.5	3435	3408	3349	3408	3464	3404	
40.0	2396	2382	2396	2405	2439	2400	
42.5	1562	1657	1724	1693	1620	1666	
45.0	1322	1319	1340	1322	1311	1325	1104
47.5	1132	1128	1132	1121	1118	1127	
50.0	955	957	955	949	948	953	
52.5	794	797	793	789	786	792	
55.0	643	646	641	637	635	641	577
57.5	504	505	500	498	499	501	
60.0	385	382	378	378	379	380	
62.5	281	278	274	276	274	276	
65.0	200	196	195	196	193	196	208
67.5	141	140	137	136	135	138	
70.0	93	95	97	94	88	94	
72.5	58	59	59	59	52	58	
75.0	32	34	37	33	32	34	43
77.5	18	21	19	20	17	19	
80.0	11	9	6	11	11	9	
82.5	5	4	4	5	3	4	
85.0	0	1	1	1	2	1	3
87.5	0	0	0	0	1	0	
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	.06	1.021	.021	.02	1.00			
1	1.161	.131	.101	.08	1.131	.111	.081	.06	1.111	.091	.061	.04	1.041	.031	.01	1.010	.990	.98	0.970	.960	.95	0.93				
2	1.101	.051	.010	.97	1.081	.030	.990	.96	1.061	.010	.980	.95	0.980	.950	.93	0.950	.930	.91	0.930	.910	.89	0.87				
3	1.040	.970	.920	.88	1.020	.960	.910	.87	1.010	.950	.900	.87	0.920	.880	.85	0.900	.870	.84	0.880	.850	.83	0.81				
4	0.990	.910	.850	.81	0.970	.900	.850	.80	0.960	.890	.840	.80	0.870	.820	.79	0.850	.810	.78	0.830	.800	.77	0.76				
5	0.940	.850	.790	.74	0.920	.840	.780	.74	0.900	.830	.770	.73	0.810	.760	.73	0.790	.750	.72	0.780	.740	.71	0.70				
6	0.890	.790	.730	.69	0.880	.790	.730	.68	0.860	.780	.720	.68	0.760	.710	.68	0.750	.700	.67	0.740	.700	.67	0.65				
7	0.840	.740	.670	.63	0.820	.730	.670	.63	0.810	.730	.670	.62	0.710	.660	.62	0.700	.650	.62	0.690	.650	.62	0.60				
8	0.800	.690	.630	.59	0.780	.680	.620	.58	0.770	.680	.620	.58	0.670	.610	.58	0.660	.610	.57	0.650	.600	.57	0.56				
9	0.750	.650	.580	.54	0.740	.640	.580	.54	0.730	.630	.580	.54	0.620	.570	.53	0.610	.560	.53	0.610	.560	.53	0.51				
10	0.710	.600	.540	.50	0.700	.600	.540	.50	0.690	.590	.540	.50	0.580	.530	.49	0.580	.530	.49	0.570	.520	.49	0.48				

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.