



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-W
Project Number
10230735
Test Number
514126

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

Luminaire

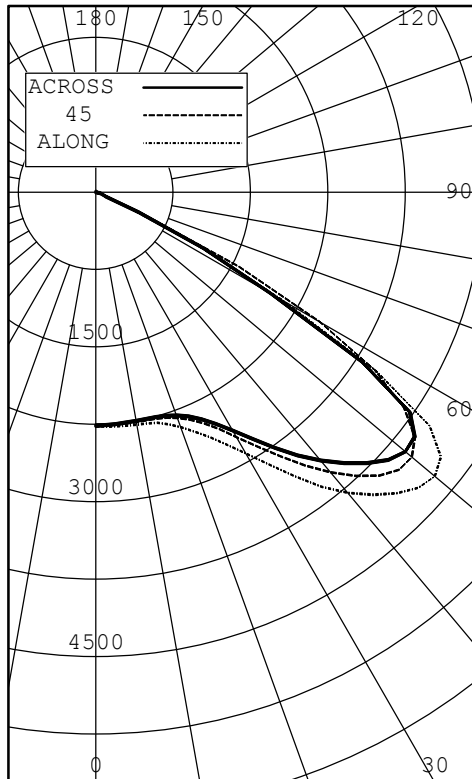


Test Conditions

Test Temperature:	25.3 °C
Voltage:	120.0 VAC
Current:	0.8971 A
Power:	107.0 W
Power Factor:	0.995
Frequency:	60 Hz
Current THD:	7.26 %



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS



ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	2264	2264	2264	2264	2264	
5	2280	2262	2263	2253	2257	219
10	2291	2271	2266	2250	2256	
15	2318	2290	2276	2250	2257	648
20	2427	2374	2331	2293	2303	
25	2625	2557	2471	2418	2431	1170
30	2930	2865	2746	2660	2672	
35	3365	3276	3128	3021	3027	1995
40	3806	3708	3548	3412	3399	
45	4129	4045	3885	3752	3717	2998
50	4289	4175	3997	3925	3917	
55	3951	3815	3646	3655	3715	3138
60	2074	2283	2507	2214	1955	
65	351	385	542	471	461	724
70	80	85	79	83	79	
75	47	65	55	61	58	56
80	14	18	19	19	20	
85	5	6	7	8	8	8
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	2038	18.60
0-40	4033	36.81
0-60	10169	92.81
0-90	10958	100.00
40-90	6925	63.19
60-90	788	7.19
90-180	0	0.00
0-180	10958	100.00

EFFICACY (LUMENS PER WATT): 102.4

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 8.500 INS
 WIDTH: 8.500 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 2.3
 SC (ALONG): 2.4, SC (ACROSS): 2.3

ANGLE	ALONG	45	ACROSS
45	125270	118320	113207
55	147783	136879	139479
65	17815	27620	23480
75	3895	4551	4817
85	1230	1628	2063

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	2264	2264	2264	2264	2264	2264	
2.5	2277	2260	2264	2256	2262	2262	
5.0	2280	2262	2263	2253	2257	2262	219
7.5	2285	2265	2263	2249	2255	2262	
10.0	2291	2271	2266	2250	2256	2265	
12.5	2299	2276	2268	2248	2254	2267	
15.0	2318	2290	2276	2250	2257	2276	648
17.5	2362	2323	2296	2264	2273	2300	
20.0	2427	2374	2331	2293	2303	2341	
22.5	2515	2451	2387	2343	2354	2404	
25.0	2625	2557	2471	2418	2431	2494	1170
27.5	2763	2695	2590	2524	2536	2614	
30.0	2930	2865	2746	2660	2672	2768	
32.5	3134	3061	2927	2829	2840	2951	
35.0	3365	3276	3128	3021	3027	3155	1995
37.5	3599	3497	3342	3221	3220	3367	
40.0	3806	3708	3548	3412	3399	3568	
42.5	3981	3894	3733	3589	3564	3747	
45.0	4129	4045	3885	3752	3717	3901	2998
47.5	4241	4147	3983	3876	3844	4012	
50.0	4289	4175	3997	3925	3917	4050	
52.5	4216	4080	3896	3869	3893	3975	
55.0	3951	3815	3646	3655	3715	3737	3138
57.5	3227	3311	3200	3227	3059	3220	
60.0	2074	2283	2507	2214	1955	2255	
62.5	1109	1154	1563	1187	1173	1261	
65.0	351	385	542	471	461	451	724
67.5	97	103	113	113	108	108	
70.0	80	85	79	83	79	82	
72.5	62	70	60	68	64	65	
75.0	47	65	55	61	58	58	56
77.5	23	43	39	46	42	40	
80.0	14	18	19	19	20	18	
82.5	8	12	12	13	12	12	
85.0	5	6	7	8	8	7	8
87.5	3	2	2	4	5	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	1.221	1.221	1.221	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.111	1.111	1.111	1.111	1.061	1.061	1.061	1.061	1.021	1.021	1.021	1.021	1.000
1	1.131	1.091	1.051	1.021	1.111	1.071	1.031	1.001	1.081	1.051	1.010	0.981	1.000	0.980	0.951	0.921	0.960	0.940	0.921	0.901	0.930	0.910	0.891	0.871	0.881
2	1.040	0.970	0.910	0.861	1.020	0.950	0.900	0.851	1.000	0.930	0.880	0.841	0.900	0.860	0.821	0.781	0.870	0.830	0.801	0.761	0.840	0.810	0.781	0.761	0.761
3	0.960	0.860	0.780	0.721	0.930	0.840	0.770	0.711	0.910	0.830	0.760	0.711	0.800	0.740	0.691	0.651	0.770	0.720	0.681	0.641	0.750	0.710	0.671	0.651	0.651
4	0.880	0.760	0.670	0.611	0.860	0.750	0.670	0.601	0.840	0.730	0.660	0.601	0.710	0.640	0.591	0.551	0.690	0.630	0.581	0.541	0.670	0.620	0.581	0.561	0.561
5	0.800	0.670	0.580	0.511	0.780	0.660	0.570	0.511	0.760	0.650	0.560	0.511	0.630	0.550	0.501	0.461	0.610	0.540	0.501	0.461	0.590	0.530	0.491	0.471	0.471
6	0.730	0.580	0.490	0.431	0.710	0.570	0.480	0.421	0.690	0.560	0.480	0.421	0.540	0.470	0.411	0.371	0.530	0.460	0.411	0.371	0.510	0.450	0.411	0.391	0.391
7	0.650	0.500	0.410	0.351	0.630	0.490	0.400	0.341	0.620	0.490	0.400	0.341	0.470	0.390	0.341	0.301	0.450	0.390	0.331	0.291	0.440	0.380	0.331	0.311	0.311
8	0.590	0.440	0.350	0.291	0.580	0.430	0.350	0.291	0.560	0.430	0.340	0.281	0.410	0.340	0.281	0.241	0.400	0.330	0.281	0.241	0.390	0.330	0.281	0.261	0.261
9	0.540	0.390	0.300	0.241	0.530	0.390	0.300	0.241	0.510	0.380	0.300	0.241	0.370	0.290	0.241	0.201	0.350	0.280	0.231	0.191	0.340	0.280	0.231	0.211	0.211
10	0.490	0.350	0.250	0.201	0.480	0.340	0.250	0.201	0.470	0.330	0.250	0.201	0.320	0.250	0.201	0.161	0.310	0.240	0.191	0.151	0.310	0.240	0.191	0.181	0.181

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.