



UL Verification Services Inc.  
7036 Snowdrift Road  
Allentown, PA 18106  
610-774-1300

## Photometric Indoor Test Report

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

Prepared For  
LF Illumination LLC  
Scott Hershman  
9200 Deering Avenue  
Chatsworth, CA 91311  
United States

Catalog Number  
8011-11L-9030-N-MW  
Project Number  
10581561  
Test Number  
835648

Test Date

2014-12-02

Prepared By

*Derek Smarr*

Derek Smarr, Technician

Approved By

*Eric M. Gaudreau*

Eric Gaudreau, Engineering Project Handler

The results contained in this report pertain only to the tested sample.  
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Luminaire Description: Black steel housing, black aluminum heatsink, patterned specular reflector  
above white aluminum trim  
Catalog Number: 8011-11L-9030-N-MW  
Lamp: One white LED  
Mounting: Recessed  
Ballast/Driver: One ERP ESS015W-0350-42

Luminaire

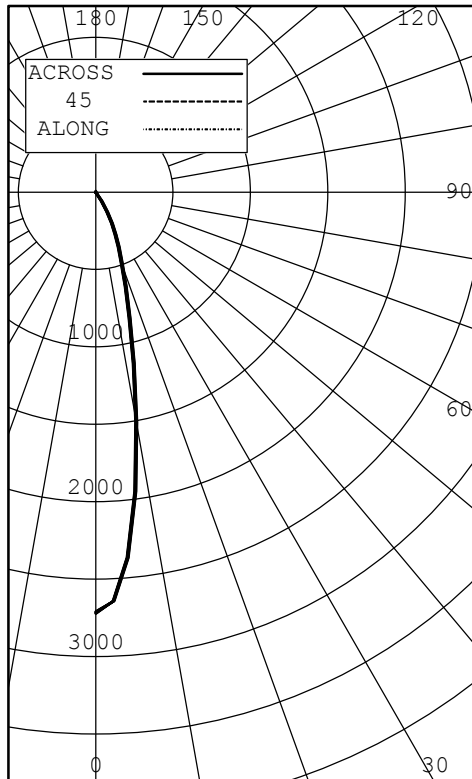


#### Test Conditions

Test Temperature:	24.9 °C
Voltage:	120.0 VAC
Current:	0.09213 A
Power:	10.85 W
Power Factor:	0.982
Frequency:	60 Hz
Current THD:	14.8 %



INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LUMENS
0	2717	
5	2371	198
10	1512	
15	843	239
20	495	
25	304	138
30	148	
35	21	24
40	0	
45	0	0
50	0	
55	0	0
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	575	95.93
0-40	599	99.99
0-60	599	100.00
0-90	599	100.00
40-90	0	0.01
60-90	0	0.00
90-180	0	0.00
0-180	599	100.00

EFFICACY (LUMENS PER WATT): 55.5

\*\*\* THIS IS AN ABSOLUTE TEST \*\*\*

LUMINOUS DIAMETER: 1.750 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 0.4  
 SC: 0.4

ANGLE	MEAN CD/SQ M
45	0
55	0
65	0
75	0
85	0

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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INTENSITY (CANDLEPOWER) DATA  
IN 2.5 DEGREE STEPS

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0.0	2717	
2.5	2647	
5.0	2371	198
7.5	1952	
10.0	1512	
12.5	1130	
15.0	843	239
17.5	642	
20.0	495	
22.5	386	
25.0	304	138
27.5	229	
30.0	148	
32.5	72	
35.0	21	24
37.5	2	
40.0	0	
42.5	0	
45.0	0	0
47.5	0	
50.0	0	
52.5	0	
55.0	0	0
57.5	0	
60.0	0	
62.5	0	
65.0	0	0
67.5	0	
70.0	0	
72.5	0	
75.0	0	0
77.5	0	
80.0	0	
82.5	0	
85.0	0	0
87.5	0	
90.0	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	.000	.99	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	.000	.98	1.071	.031	.000	.98	1.061	.020	.990	.97	1.000	.980	.96	0.980	.960	.95	0.970	.950	.94	0.93			
	5	1.061	.010	.970	.95	1.051	.000	.970	.94	1.030	.990	.960	.94	0.980	.950	.93	0.960	.940	.92	0.950	.930	.92	0.91			
	6	1.040	.990	.950	.93	1.030	.980	.940	.92	1.020	.970	.940	.92	0.960	.930	.91	0.950	.920	.91	0.940	.920	.90	0.89			
	7	1.010	.960	.920	.90	1.000	.950	.920	.90	1.000	.950	.920	.89	0.940	.910	.89	0.930	.900	.88	0.920	.900	.88	0.87			
	8	1.000	.940	.900	.88	0.990	.930	.900	.88	0.980	.920	.890	.87	0.920	.890	.87	0.910	.880	.87	0.900	.880	.86	0.85			
	9	0.970	.910	.880	.85	0.960	.910	.880	.85	0.960	.900	.880	.85	0.900	.870	.85	0.890	.860	.85	0.880	.860	.84	0.84			
	10	0.950	.890	.860	.83	0.940	.890	.860	.83	0.940	.890	.860	.83	0.880	.850	.83	0.870	.850	.83	0.870	.840	.83	0.82			

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.