



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
Specialty Lighting Industries, Inc
Awi Salomon
1306 Doris Ave.
Ocean, NJ 07712-4041

Catalog Number
X017-LEDB
Project Number
10555556
Test Number
813663

Test Date

2014-11-14

Prepared By

Derek Smarr

Derek Smarr, Technician

Approved By

Kyle Spaziani

Kyle Spaziani, Project Handler

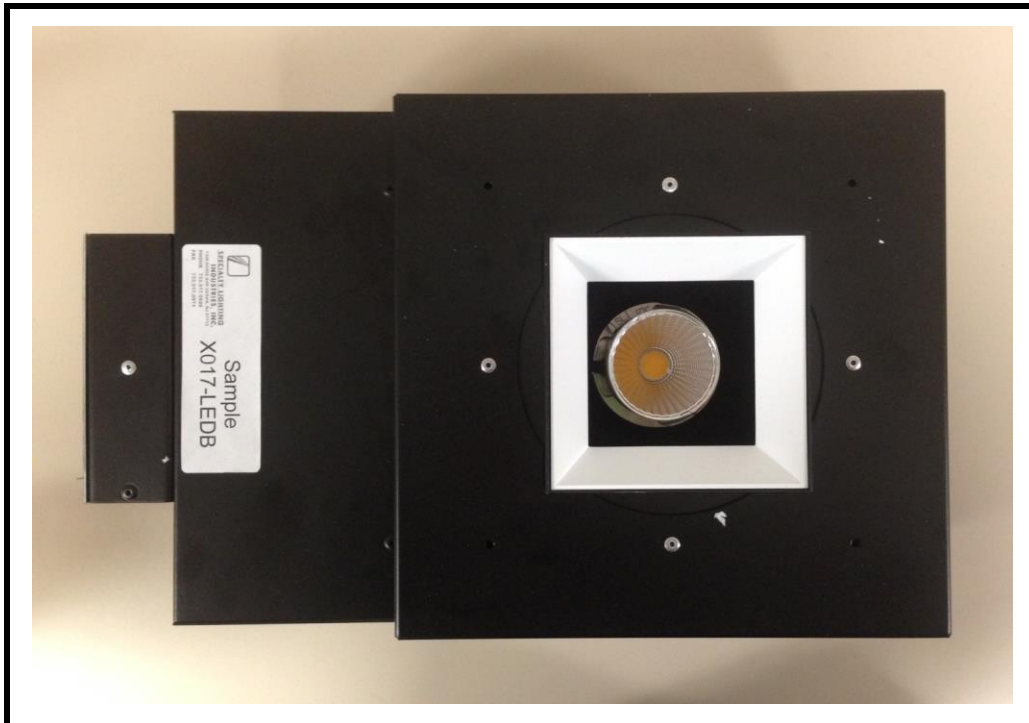
The results contained in this report pertain only to the tested sample.
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Luminaire Description: Black aluminum housing, patterned plastic specular reflector above white enamel aluminum reflector, no enclosure
Catalog Number: X017-LEDB
Lamp: One white LED array
Mounting: Recessed
Ballast/Driver: One CoolLED CL33-700S2A-UNI-B

Luminaire

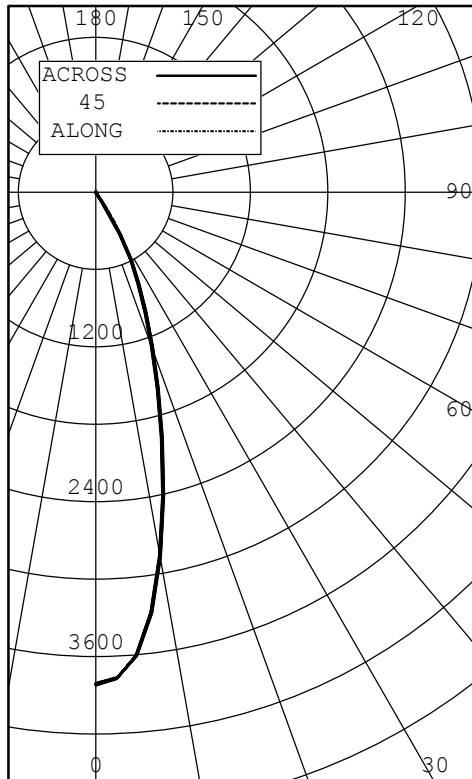


Test Conditions

Test Temperature:	24.8 °C
Voltage:	120.0 VAC
Current:	0.2137 A
Power:	25.38 W
Power Factor:	0.990
Frequency:	60 Hz
Current THD:	6.25 %



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS



ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	3814	3814	3814	3814	3814	
5	3599	3600	3599	3603	3610	322
10	2872	2869	2865	2856	2867	
15	1993	1982	1975	1968	1975	543
20	1297	1282	1277	1273	1274	
25	794	783	780	783	787	360
30	388	422	412	422	377	
35	14	54	138	68	13	74
40	4	5	11	5	4	
45	1	2	2	2	1	2
50	0	0	1	0	0	
55	0	0	0	0	0	0
60	0	0	0	0	0	
65	0	0	0	0	0	0
70	0	0	0	0	0	
75	0	0	0	0	0	0
80	0	0	0	0	0	
85	0	0	0	0	0	0
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	1225	94.20
0-40	1299	99.86
0-60	1300	100.00
0-90	1300	100.00
40-90	2	0.14
60-90	0	0.00
90-180	0	0.00
0-180	1300	100.00

EFFICACY (LUMENS PER WATT): 51.2

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 3.750 INS
 WIDTH: 3.750 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 0.5
 SC: 0.5

ANGLE	ALONG	45	ACROSS
45	210	352	211
55	0	0	0
65	0	0	0
75	0	0	0
85	0	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	3814	3814	3814	3814	3814	3814	
2.5	3763	3761	3764	3768	3772	3765	
5.0	3599	3600	3599	3603	3610	3602	322
7.5	3287	3284	3280	3276	3289	3282	
10.0	2872	2869	2865	2856	2867	2865	
12.5	2425	2415	2412	2407	2413	2413	
15.0	1993	1982	1975	1968	1975	1977	543
17.5	1614	1602	1595	1589	1593	1597	
20.0	1297	1282	1277	1273	1274	1279	
22.5	1025	1013	1010	1009	1010	1012	
25.0	794	783	780	783	787	784	360
27.5	605	591	585	594	597	593	
30.0	388	422	412	422	377	410	
32.5	108	238	263	253	98	214	
35.0	14	54	138	68	13	69	74
37.5	7	9	42	9	7	17	
40.0	4	5	11	5	4	6	
42.5	2	3	4	3	2	3	
45.0	1	2	2	2	1	2	2
47.5	1	1	1	1	1	1	
50.0	0	0	1	0	0	0	
52.5	0	0	0	0	0	0	
55.0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	
60.0	0	0	0	0	0	0	
62.5	0	0	0	0	0	0	
65.0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	
70.0	0	0	0	0	0	0	
72.5	0	0	0	0	0	0	
75.0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	
80.0	0	0	0	0	0	0	
82.5	0	0	0	0	0	0	
85.0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	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	.061	.06	1.021	.021	.021	.02	1.00
	1	1.181	.151	.141	.12	1.161	.141	.121	.10	1.131	.121	.101	.08	1.071	.061	.05	1.041	.031	.02	1.011	.000	.99	0.98			
	2	1.141	.111	.081	.05	1.121	.091	.071	.04	1.101	.071	.051	.03	1.041	.021	.01	1.021	.000	.99	0.990	.980	.97	0.95			
	3	1.111	.061	.031	.00	1.091	.051	.021	.00	1.081	.041	.010	.99	1.020	.990	.98	1.000	.980	.96	0.980	.960	.95	0.94			
	4	1.081	.030	.990	.97	1.071	.020	.990	.96	1.051	.010	.980	.95	0.990	.970	.94	0.970	.950	.94	0.960	.940	.92	0.91			
	5	1.051	.000	.960	.93	1.040	.990	.950	.92	1.020	.980	.940	.92	0.960	.940	.91	0.950	.920	.91	0.940	.920	.90	0.89			
	6	1.030	.970	.930	.91	1.020	.960	.930	.90	1.000	.960	.920	.90	0.940	.910	.89	0.930	.910	.89	0.920	.900	.88	0.87			
	7	1.000	.940	.900	.88	0.990	.930	.900	.87	0.980	.930	.890	.87	0.920	.890	.87	0.910	.880	.86	0.900	.870	.86	0.85			
	8	0.980	.920	.880	.85	0.970	.910	.870	.85	0.960	.900	.870	.84	0.890	.860	.84	0.890	.860	.84	0.880	.850	.83	0.83			
	9	0.950	.890	.850	.82	0.940	.880	.850	.82	0.930	.880	.850	.82	0.870	.840	.82	0.860	.830	.81	0.860	.830	.81	0.80			
	10	0.930	.860	.830	.80	0.920	.860	.830	.80	0.910	.860	.830	.80	0.850	.820	.80	0.840	.820	.80	0.840	.810	.79	0.79			

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.