



UL Verification Services
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Photometric Indoor Test Report

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

Prepared For
Specialty Lighting Industries, Inc.
Awi Salomon
1306 Doris Avenue
Ocean, NJ 07712

Catalog Number
2101
Project Number
10041040
Test Number
274072

Test Date

2013-08-01

Prepared By

A handwritten signature in black ink, appearing to read 'Bethann Miller'.

Bethann Miller, Project Coordinator

Approved By

A handwritten signature in black ink, appearing to read 'Jeffrey M. Lockner'.

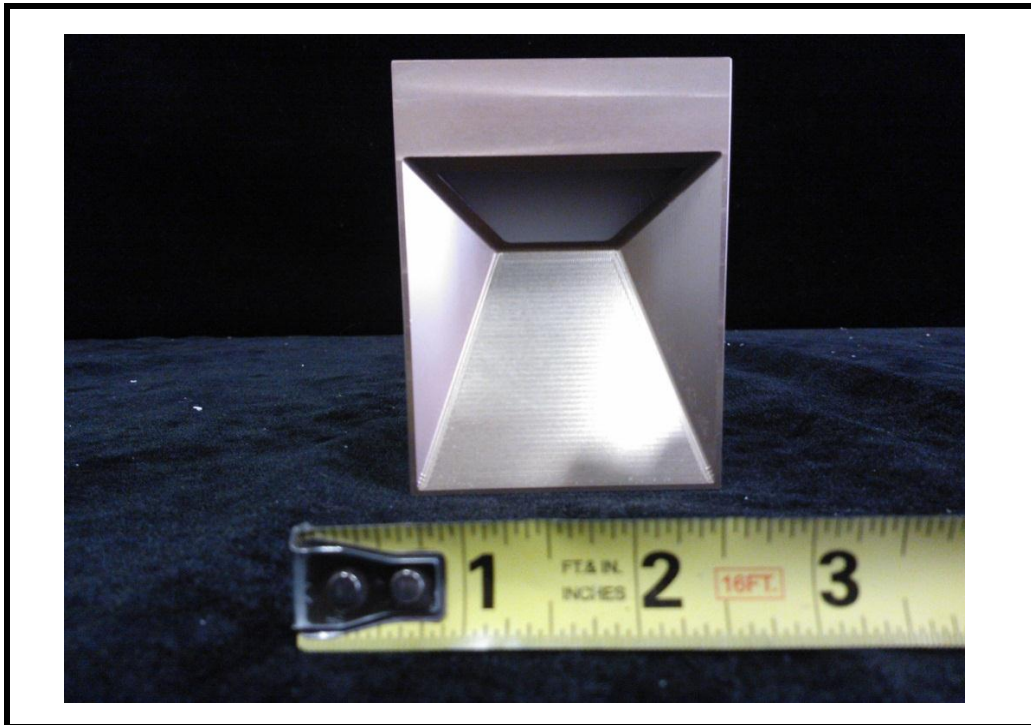
Jeffrey Lockner, Engineer

The results contained in this report pertain only to the tested sample.
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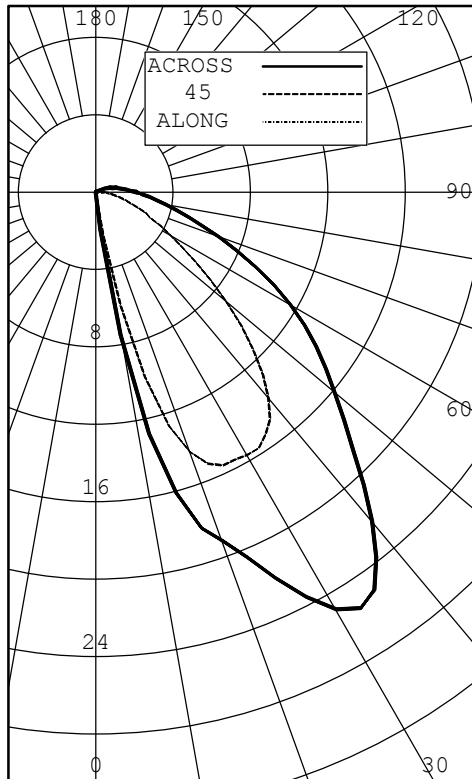
Luminaire Description: Cast aluminum housing, frosted plastic enclosure
Catalog Number: 2101
Lamp: One white LEDs
Mounting: Recessed Wall

Luminaire



Test Conditions

Test Temperature:	24.4 °C
Voltage:	120.0 VAC
Current:	0.02704 A
Power:	2.964 W
Power Factor:	0.914
Frequency:	60 Hz
Current THD:	44.5 %



INTENSITY (CANDLEPOWER) SUMMARY

ANGLE	BEAM SIDE					OUTPUT LUMENS
	ALONG	67.5	45	22.5	ACROSS	
0	0	0	0	0	0	0
5	0	0	0	0	0	0
15	0	1	10	15	16	1
25	0	6	16	21	22	3
35	0	5	15	23	25	4
45	0	4	12	17	19	4
55	0	2	6	12	14	3
65	0	1	3	7	9	2
75	0	0	2	4	5	1
85	0	0	1	2	3	1
90	0	0	0	1	2	0
95	0	0	0	1	2	0
105	0	0	0	1	1	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0

BOTH SIDES
 ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	4	21.77
0-40	9	43.73
0-60	16	79.71
0-90	19	97.77
40-90	11	54.04
60-90	4	18.06
90-180	0	2.23
0-180	20	100.00

EFFICACY (LUMENS PER WATT): 6.5

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 0.000 INS
 WIDTH: 2.880 INS

TESTED IN ACCORDANCE WITH IES PROCEDURES.



BEAM SIDE
INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE					AVERAGE	OUTPUT LUMENS
	ALONG	67.5	45	22.5	ACROSS		
0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0
10	0	0	2	7	8	3	
15	0	1	10	15	16	8	1
20	0	3	14	18	19	11	
25	0	6	16	21	22	13	3
30	0	6	16	23	25	14	
35	0	5	15	23	25	14	4
40	0	4	14	21	22	12	
45	0	4	12	17	19	10	4
50	0	3	9	14	16	8	
55	0	2	6	12	14	7	3
60	0	2	5	10	12	5	
65	0	1	3	7	9	4	2
70	0	0	2	5	7	3	
75	0	0	2	4	5	2	1
80	0	0	1	3	4	1	
85	0	0	1	2	3	1	1
90	0	0	0	1	2	1	
95	0	0	0	1	2	1	0
100	0	0	0	1	1	0	
105	0	0	0	1	1	0	0
110	0	0	0	0	1	0	
115	0	0	0	0	0	0	0
120	0	0	0	0	0	0	
125	0	0	0	0	0	0	0
130	0	0	0	0	0	0	
135	0	0	0	0	0	0	0
140	0	0	0	0	0	0	
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	



OPPOSITE SIDE TO BEAM
INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE					AVERAGE	OUTPUT LUMENS
	ALONG	112.5	135	157.5	ACROSS		
0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0
10	0	0	0	0	0	0	
15	0	0	0	0	0	0	0
20	0	0	0	0	0	0	
25	0	0	0	0	0	0	0
30	0	0	0	0	0	0	
35	0	0	0	0	0	0	0
40	0	0	0	0	0	0	
45	0	0	0	0	0	0	0
50	0	0	0	0	0	0	
55	0	0	0	0	0	0	0
60	0	0	0	0	0	0	
65	0	0	0	0	0	0	0
70	0	0	0	0	0	0	
75	0	0	0	0	0	0	0
80	0	0	0	0	0	0	
85	0	0	0	0	0	0	0
90	0	0	0	0	0	0	
95	0	0	0	0	0	0	0
100	0	0	0	0	0	0	
105	0	0	0	0	0	0	0
110	0	0	0	0	0	0	
115	0	0	0	0	0	0	0
120	0	0	0	0	0	0	
125	0	0	0	0	0	0	0
130	0	0	0	0	0	0	
135	0	0	0	0	0	0	0
140	0	0	0	0	0	0	
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	0
180	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	1.101	.101	.101	.10	1.051	.051	.051	.05	1.001	.001	.001	.00	0.98
1	1.101	.051	.000	.95	1.071	.020	.980	.94	1.041	.000	.960	.92	0.950	.920	.89	0.910	.880	.85	0.870	.840	.82	0.80				0.80
2	1.010	.920	.850	.79	0.980	.900	.830	.78	0.960	.880	.820	.76	0.840	.790	.74	0.810	.760	.72	0.770	.740	.70	0.68				0.68
3	0.920	.810	.720	.66	0.900	.790	.710	.65	0.870	.780	.700	.64	0.740	.680	.63	0.710	.660	.61	0.690	.640	.60	0.58				0.58
4	0.850	.720	.630	.56	0.830	.710	.620	.55	0.800	.690	.610	.55	0.660	.590	.54	0.640	.580	.53	0.610	.560	.52	0.50				0.50
5	0.780	.640	.550	.47	0.760	.630	.540	.47	0.730	.610	.530	.47	0.590	.520	.46	0.570	.500	.45	0.550	.490	.44	0.42				0.42
6	0.710	.570	.470	.41	0.690	.560	.470	.40	0.670	.540	.460	.40	0.520	.450	.39	0.500	.440	.39	0.490	.430	.38	0.36				0.36
7	0.650	.500	.410	.35	0.630	.490	.400	.34	0.610	.480	.400	.33	0.460	.380	.33	0.440	.380	.32	0.430	.370	.32	0.30				0.30
8	0.590	.440	.360	.29	0.580	.440	.350	.29	0.560	.430	.340	.29	0.410	.340	.28	0.400	.330	.28	0.380	.320	.28	0.26				0.26
9	0.540	.400	.310	.24	0.530	.390	.300	.24	0.510	.380	.300	.24	0.370	.290	.24	0.360	.290	.24	0.340	.280	.23	0.21				0.21
10	0.500	.350	.260	.21	0.480	.350	.260	.21	0.470	.340	.260	.21	0.330	.250	.20	0.320	.250	.20	0.310	.240	.20	0.18				0.18

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.