



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



Indoor Distribution Test Report

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

Prepared For
Sonneman
Nicolas Carmichael
106 Pierces Rd.
Newburgh, NY 12550-9369

Catalog Number
2372
Order Number
10776086
Test Number
1053182

Test Date

2015-05-04

Prepared By

Javier Caban, Technician

Approved By

Kyle Spaziani, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Formed aluminum housing, frosted plastic enclosure
Lamp: 30 white LEDs
Mounting: Surface - Wall
Ballast/Driver: One Eaglerise EEP60SE

Luminaire



Luminaire Characteristics

Luminous Length: 3.25 in.
Luminous Width: 4.500 in.

Summary of Results

Total Luminaire Output:	840.6 Lumens
Luminaire Efficacy:	50.8 lm/w
Maximum Candela:	323 Candela

Electrical Data

Test Temperature:	25.5 °C
Voltage:	120.0 VAC
Current:	0.1439 A
Power:	16.54 W
Power Factor:	0.958
Frequency:	60 Hz
Current THD:	29.5 %

Laboratory results may not be representative of field performance
Ballast factors have not been applied



Distribution - Goniophotometer

Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.0 VAC	0.1439 A	16.54 W	0.958	60 Hz	29.5 %

Summary of Results

Spacing Criteria

0-180: N/A
90-270: N/A

Total Lumen Output:

840.6 Lumens

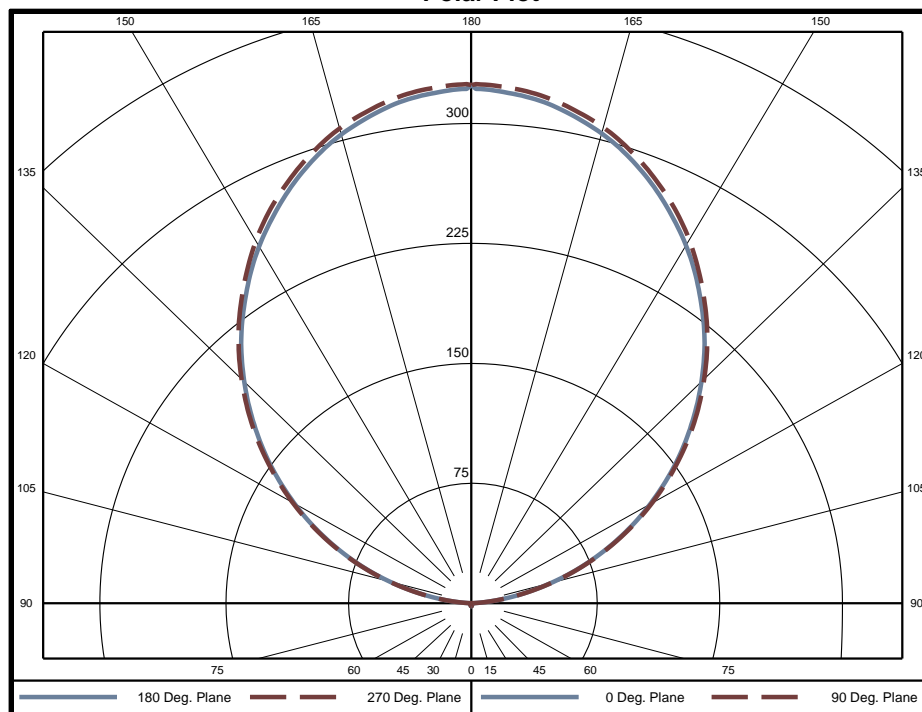
Luminaire Efficacy:

50.8 lm/w

Maximum Candela:

323 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0	0.0%	60-65	0	0.0%	120-125	63.18	7.5%
5-10	0	0.0%	65-70	0	0.0%	125-130	70.09	8.3%
10-15	0	0.0%	70-75	0	0.0%	130-135	74.75	8.9%
15-20	0	0.0%	75-80	0	0.0%	135-140	76.98	9.2%
20-25	0	0.0%	80-85	0	0.0%	140-145	76.59	9.1%
25-30	0	0.0%	85-90	0	0.0%	145-150	73.64	8.8%
30-35	0	0.0%	90-95	1.15	0.1%	150-155	68.05	8.1%
35-40	0	0.0%	95-100	8.93	1.1%	155-160	59.82	7.1%
40-45	0	0.0%	100-105	20.24	2.4%	160-165	49.30	5.9%
45-50	0	0.0%	105-110	32.39	3.9%	165-170	36.75	4.4%
50-55	0	0.0%	110-115	43.99	5.2%	170-175	22.70	2.7%
55-60	0	0.0%	115-120	54.40	6.5%	175-180	7.68	0.9%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	0	0.0%
90-180	841	100.0%



Candela Tabulation
Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	7.3	7.3	7.5	7.4	7.4	7.4	7.5	7.3	7.3	7.3	7.5	7.4	7.4	7.4	7.5	7.3
100	26.5	26.4	26.7	26.7	26.6	26.7	26.7	26.4	26.5	26.4	26.7	26.7	26.6	26.7	26.7	26.4
105	49.3	49.4	50.0	49.9	49.8	49.9	50.0	49.4	49.3	49.4	50.0	49.9	49.8	49.9	50.0	49.4
110	74.0	74.1	74.6	74.7	74.7	74.7	74.6	74.1	74.0	74.1	74.6	74.7	74.7	74.7	74.6	74.1
115	98.9	99.1	99.6	99.8	99.8	99.8	99.6	99.1	98.9	99.1	99.6	99.8	99.8	99.8	99.6	99.1
120	123.6	124.0	124.5	124.9	125.0	124.9	124.5	124.0	123.6	124.0	124.5	124.9	125.0	124.9	124.5	124.0
125	148.0	148.6	149.4	149.7	149.7	149.7	149.4	148.6	148.0	148.6	149.4	149.7	149.7	149.7	149.4	148.6
130	171.7	172.9	173.6	174.0	174.1	174.0	173.6	172.9	171.7	172.9	173.6	174.0	174.1	174.0	173.6	172.9
135	195.0	196.3	197.0	197.4	197.4	197.4	197.0	196.3	195.0	196.3	197.0	197.4	197.4	197.4	197.0	196.3
140	217.3	218.8	219.5	219.8	220.0	219.8	219.5	218.8	217.3	218.8	219.5	219.8	220.0	219.8	219.5	218.8
145	237.8	239.7	240.4	240.8	241.1	240.8	240.4	239.7	237.8	239.7	240.4	240.8	241.1	240.8	240.4	239.7
150	257.1	259.8	260.7	260.9	261.2	260.9	260.7	259.8	257.1	259.8	260.7	260.9	261.2	260.9	260.7	259.8
155	274.4	277.4	278.2	278.4	278.6	278.4	278.2	277.4	274.4	277.4	278.2	278.4	278.6	278.4	278.2	277.4
160	289.7	292.6	293.4	293.7	293.7	293.7	293.4	292.6	289.7	292.6	293.4	293.7	293.7	293.7	293.4	292.6
165	302.3	305.1	305.9	306.2	306.1	306.2	305.9	305.1	302.3	305.1	305.9	306.2	306.1	306.2	305.9	305.1
170	311.4	314.1	314.9	315.1	315.0	315.1	314.9	314.1	311.4	314.1	314.9	315.1	315.0	315.1	314.9	314.1
175	317.3	319.8	320.5	320.9	320.6	320.9	320.5	319.8	317.3	319.8	320.5	320.9	320.6	320.9	320.5	319.8
180	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0

Vertical Angle (Degrees)