



UL Verification Services
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 Eureka Lighting, Inc.

Dirk Zylstra
225 DeLiege Quest
Montreal, Canada
H2P 1H4

Catalog Number
4766-NPM

Project Number
6013-001123

Test Number
173118

Test Date

2013-10-21

Prepared By

A handwritten signature in black ink, appearing to read 'Kyle Spaziani'.

Kyle Spaziani, Project Handler

Approved By

A handwritten signature in black ink, appearing to read 'Zachary Mooney'.

Zachary Mooney, Engineer Project Associate

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.



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Luminaire Description: Cast aluminum housing, frosted plastic enclosure
Catalog Number: 4766-NPM
Mounting: Recessed
Ballast/Driver: One Lightech LED 36 CC 700 PU

Luminaire



Test Conditions

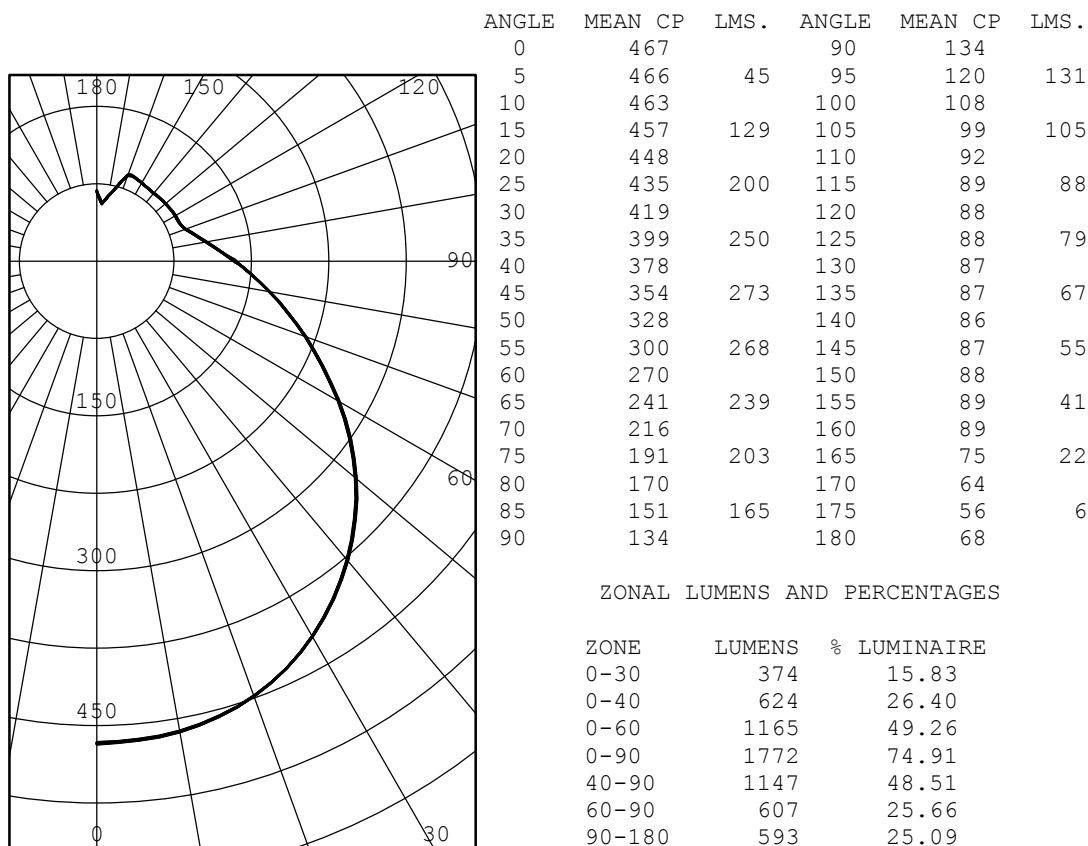
Test Temperature:	25.2 °C
Voltage:	120.0 VAC
Current:	0.2634 A
Power:	31.32 W
Power Factor:	0.991
Frequency:	60 Hz
Current THD:	13.7 %



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INTENSITY (CANDLEPOWER) SUMMARY



ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	374	15.83
0-40	624	26.40
0-60	1165	49.26
0-90	1772	74.91
40-90	1147	48.51
60-90	607	25.66
90-180	593	25.09
0-180	2365	100.00

EFFICACY (LUMENS PER WATT): 75.6

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 13.750 INS
WIDTH: 0.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.3
SC: 1.3

ANGLE	MEAN CD/SQ M
45	10296
55	7523
65	5475
75	4078
85	3110

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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INTENSITY (CANDLEPOWER) DATA

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0	467	
5	466	45
10	463	
15	457	129
20	448	
25	435	200
30	419	
35	399	250
40	378	
45	354	273
50	328	
55	300	268
60	270	
65	241	239
70	216	
75	191	203
80	170	
85	151	165
90	134	
95	120	131
100	108	
105	99	105
110	92	
115	89	88
120	88	
125	88	79
130	87	
135	87	67
140	86	
145	87	55
150	88	
155	89	41
160	89	
165	75	22
170	64	
175	56	6
180	68	



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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	1.191	1.191	1.191	1.19	1.131	1.131	1.131	1.13	1.081	1.081	1.081	1.08	0.970	0.970	0.97	0.880	0.880	0.88	0.790	0.790	0.79	0.75			
1	1.061	1.000	0.950	0.90	1.010	0.950	0.900	0.86	0.960	0.910	0.860	0.82	0.820	0.780	0.75	0.730	0.710	0.68	0.660	0.640	0.62	0.58			
2	0.960	0.860	0.790	0.71	0.910	0.820	0.750	0.69	0.860	0.780	0.720	0.66	0.710	0.650	0.61	0.640	0.590	0.56	0.570	0.540	0.51	0.47			
3	0.870	0.750	0.660	0.59	0.830	0.720	0.630	0.57	0.780	0.680	0.610	0.54	0.620	0.550	0.50	0.560	0.510	0.46	0.500	0.460	0.42	0.39			
4	0.800	0.670	0.570	0.50	0.760	0.640	0.550	0.48	0.720	0.610	0.530	0.46	0.550	0.480	0.43	0.500	0.440	0.40	0.450	0.400	0.37	0.33			
5	0.730	0.590	0.490	0.42	0.690	0.560	0.470	0.41	0.650	0.540	0.450	0.39	0.490	0.420	0.37	0.440	0.380	0.34	0.400	0.350	0.31	0.28			
6	0.670	0.530	0.430	0.36	0.640	0.500	0.410	0.35	0.600	0.480	0.400	0.34	0.440	0.370	0.31	0.400	0.340	0.29	0.360	0.310	0.27	0.24			
7	0.620	0.470	0.370	0.31	0.580	0.450	0.360	0.30	0.550	0.430	0.350	0.29	0.390	0.320	0.27	0.350	0.290	0.25	0.320	0.270	0.23	0.21			
8	0.570	0.420	0.330	0.27	0.540	0.400	0.320	0.26	0.510	0.390	0.310	0.25	0.350	0.290	0.24	0.320	0.260	0.22	0.290	0.240	0.20	0.18			
9	0.530	0.390	0.290	0.23	0.500	0.370	0.280	0.23	0.470	0.350	0.280	0.22	0.320	0.250	0.21	0.290	0.230	0.19	0.270	0.220	0.18	0.16			
10	0.490	0.350	0.260	0.21	0.470	0.330	0.250	0.20	0.440	0.320	0.250	0.20	0.290	0.230	0.18	0.270	0.210	0.17	0.240	0.190	0.16	0.14			

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.