



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
Place Holder
Project Number
6013-001123
Test Number
173120

Test Date

2013-10-21

Prepared By

Tammy Lacey, Administrative Assistant II

Approved By

Zachary Mooney, Engineer Project Associate

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: Place Holder
Mounting: Recessed
Ballast/Driver: One Hatch LC16-07000P-120-Q

Luminaire



Test Conditions

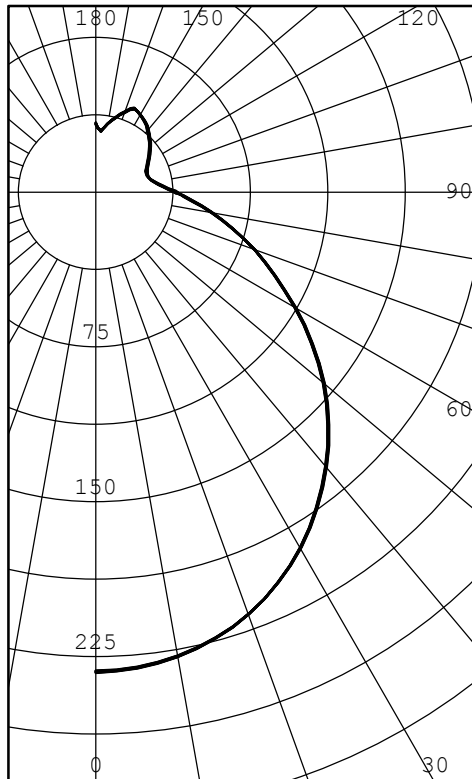
Test Temperature:	24.9 °C
Voltage:	120.1 VAC
Current:	0.1480 A
Power:	17.52 W
Power Factor:	0.986
Frequency:	60 Hz
Current THD:	12.3 %



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INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	232		90	39	
5	231	22	95	33	36
10	228		100	29	
15	224	63	105	27	29
20	217		110	27	
25	209	96	115	28	27
30	199		120	29	
35	187	117	125	32	29
40	174		130	35	
45	159	123	135	37	29
50	144		140	40	
55	128	114	145	42	26
60	112		150	44	
65	96	95	155	45	20
70	82		160	42	
75	69	73	165	38	11
80	57		170	34	
85	47	52	175	30	3
90	39		180	33	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	182	18.81
0-40	298	30.91
0-60	535	55.48
0-90	755	78.24
40-90	457	47.33
60-90	220	22.76
90-180	210	21.76
0-180	965	100.00

EFFICACY (LUMENS PER WATT): 55.1

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 12.500 INS
 WIDTH: 0.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.3
 SC: 1.3

ANGLE	MEAN CD/SQ M
45	7482
55	5183
65	3501
75	2366
85	1563

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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INTENSITY (CANDLEPOWER) DATA

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0	232	
5	231	22
10	228	
15	224	63
20	217	
25	209	96
30	199	
35	187	117
40	174	
45	159	123
50	144	
55	128	114
60	112	
65	96	95
70	82	
75	69	73
80	57	
85	47	52
90	39	
95	33	36
100	29	
105	27	29
110	27	
115	28	27
120	29	
125	32	29
130	35	
135	37	29
140	40	
145	42	26
150	44	
155	45	20
160	42	
165	38	11
170	34	
175	30	3
180	33	

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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	1.141	1.141	1.141	1.14	1.091	1.091	1.091	1.09	0.990	0.990	0.99	0.900	0.900	0.90	0.820	0.820	0.82	0.780	0.780	0.78	0.78
1	1.081	1.020	0.970	0.92	1.030	0.970	0.930	0.89	0.980	0.930	0.890	0.85	0.850	0.810	0.79	0.770	0.750	0.72	0.700	0.680	0.66	0.630	0.630	0.63	0.63
2	0.980	0.890	0.810	0.74	0.930	0.850	0.780	0.72	0.890	0.810	0.750	0.69	0.740	0.690	0.65	0.680	0.640	0.60	0.620	0.580	0.56	0.520	0.520	0.52	0.52
3	0.890	0.780	0.690	0.62	0.850	0.740	0.660	0.60	0.810	0.710	0.640	0.58	0.650	0.590	0.54	0.600	0.550	0.50	0.540	0.500	0.47	0.440	0.440	0.44	0.44
4	0.820	0.690	0.590	0.53	0.780	0.660	0.580	0.51	0.740	0.640	0.560	0.49	0.580	0.520	0.47	0.530	0.480	0.44	0.490	0.440	0.41	0.380	0.380	0.38	0.38
5	0.750	0.610	0.520	0.45	0.720	0.590	0.500	0.44	0.680	0.570	0.480	0.42	0.520	0.450	0.40	0.480	0.420	0.38	0.440	0.390	0.35	0.330	0.330	0.33	0.33
6	0.690	0.550	0.450	0.39	0.660	0.530	0.440	0.38	0.620	0.510	0.420	0.37	0.470	0.400	0.35	0.430	0.370	0.33	0.390	0.340	0.31	0.280	0.280	0.28	0.28
7	0.630	0.490	0.400	0.34	0.600	0.470	0.390	0.33	0.580	0.450	0.370	0.32	0.420	0.350	0.30	0.380	0.330	0.28	0.360	0.300	0.26	0.240	0.240	0.24	0.24
8	0.590	0.440	0.360	0.29	0.560	0.430	0.340	0.29	0.530	0.410	0.330	0.28	0.380	0.310	0.26	0.350	0.290	0.25	0.320	0.270	0.23	0.210	0.210	0.21	0.21
9	0.540	0.400	0.310	0.26	0.520	0.390	0.310	0.25	0.490	0.370	0.300	0.24	0.340	0.280	0.23	0.320	0.260	0.22	0.290	0.240	0.21	0.190	0.190	0.19	0.19
10	0.500	0.370	0.280	0.23	0.480	0.350	0.270	0.22	0.460	0.340	0.270	0.22	0.310	0.250	0.21	0.290	0.230	0.19	0.270	0.220	0.18	0.160	0.160	0.16	0.16

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.