



UL Verification Services
7036 Snowdrift Road Suite 200
Allentown, PA 18106
610-774-1300



Photometric Indoor Test Report

Relevant Standards
IES LM-41-1998 (Withdrawn)
IES LM-9-2009
ANSI C82.77-2002

Prepared For
Mercury Lighting
Stephen Bambush
20 Audrey Place
Fairfield, NJ 07004

Catalog Number
Q250F-332-OCT-PCB-ELB-UNI-2E
Project Number
10057136
Test Number
313486

Test Date

2013-10-10

Prepared By

Jeff Smith Jr., Project Coordinator

Approved By

Jeffrey Lockner, Engineer

The results contained in this report pertain only to the tested sample.
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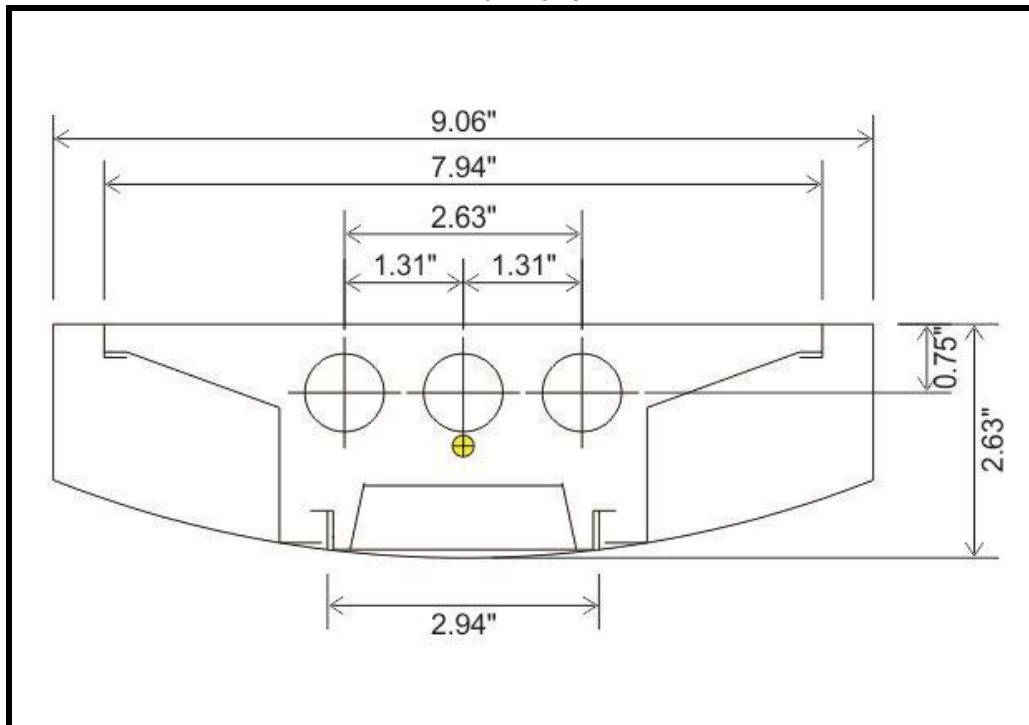
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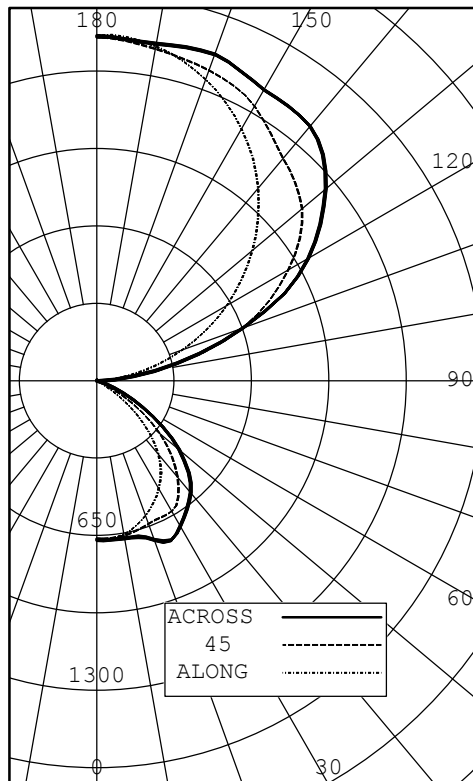


Luminaire Description: Formed white enamel steel housing, formed white aluminum reflector, formed semi-specular aluminum louver, no enclosure
Catalog Number: Q250F-332-OCT-PCB-ELB-UNI-2E
Lamp: Three horizontal 32 watt T8 linear fluorescent lamps rated at 2850 lumens each
Mounting: Pendant
Ballast/Driver: One Philips Advance Centium ICN-3P32-N

Luminaire

**Test Conditions**

Test Temperature:	25.2 °C
Voltage:	120.0 VAC
Current:	0.7704 A
Power:	90.84 W
Power Factor:	0.983
Frequency:	60 Hz
Current THD:	11.6 %



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT

ANGLE	ALONG	22.5	45	67.5	ACROSS	LUMENS
0	669	669	669	669	669	
5	669	666	666	669	671	65
15	633	636	652	671	680	185
25	565	578	636	717	741	296
35	470	502	598	634	660	357
45	316	375	444	504	545	334
55	120	158	234	299	339	205
65	12	16	40	92	124	59
75	2	3	4	7	12	7
85	0	0	0	1	1	1
90	0	0	0	0	0	
95	44	98	88	79	77	104
105	262	435	461	449	446	447
115	510	675	801	859	870	742
125	745	847	1043	1117	1147	882
135	959	1043	1178	1302	1345	899
145	1143	1187	1273	1355	1407	796
155	1288	1295	1367	1406	1434	625
165	1392	1383	1401	1425	1450	398
175	1448	1440	1434	1426	1439	139
180	1446	1446	1446	1446	1446	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	545	6.38	8.34
0-40	903	10.56	13.80
0-60	1441	16.86	22.04
0-90	1509	17.65	23.07
40-90	606	7.09	9.26
60-90	67	0.79	1.03
90-180	5032	58.85	76.93
0-180	6540	76.50	100.00

** EFFICIENCY: 76.5% **

LUMINOUS LENGTH: 48.000 INS
WIDTH: 8.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.5
SC (ALONG): 1.2, SC (ACROSS): 1.5

ANGLE	ALONG	45	ACROSS
45	1805	2063	2352
55	847	1239	1629
65	116	258	697
75	31	31	82
85	5	5	8

TESTED IN ACCORDANCE WITH IES PROCEDURES.



INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	669	669	669	669	669	669	
5	669	666	666	669	671	668	65
10	657	656	662	669	673	663	
15	633	636	652	671	680	654	185
20	603	609	640	689	712	649	
25	565	578	636	717	741	646	296
30	522	542	633	688	704	619	
35	470	502	598	634	660	575	357
40	403	450	528	576	614	515	
45	316	375	444	504	545	438	334
50	218	274	347	408	451	341	
55	120	158	234	299	339	230	205
60	40	59	125	185	225	125	
65	12	16	40	92	124	54	59
70	5	6	10	30	47	18	
75	2	3	4	7	12	5	7
80	1	1	2	3	3	2	
85	0	0	0	1	1	1	1
90	0	0	0	0	0	0	
95	44	98	88	79	77	81	104
100	144	274	263	252	248	246	
105	262	435	461	449	446	425	447
110	386	571	655	659	656	602	
115	510	675	801	859	870	756	742
120	630	762	929	1000	1027	880	
125	745	847	1043	1117	1147	988	882
130	856	947	1127	1223	1256	1088	
135	959	1043	1178	1302	1345	1169	899
140	1056	1120	1219	1339	1396	1226	
145	1143	1187	1273	1355	1407	1272	796
150	1220	1244	1330	1371	1409	1315	
155	1288	1295	1367	1406	1434	1357	625
160	1345	1342	1387	1428	1458	1389	
165	1392	1383	1401	1425	1450	1407	398
170	1426	1417	1417	1420	1438	1421	
175	1448	1440	1434	1426	1439	1436	139
180	1446	1446	1446	1446	1446	1446	



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	0.860	0.860	0.860	0.86	0.770	0.770	0.770	0.77	0.680	0.680	0.680	0.68	0.520	0.520	0.52	0.380	0.380	0.38	0.240	0.240	0.24	0.18			
1	0.790	0.750	0.720	0.70	0.710	0.680	0.650	0.63	0.630	0.600	0.580	0.56	0.470	0.450	0.44	0.340	0.330	0.32	0.220	0.220	0.21	0.16			
2	0.720	0.660	0.610	0.57	0.650	0.600	0.560	0.52	0.580	0.530	0.500	0.47	0.410	0.390	0.37	0.300	0.290	0.28	0.200	0.190	0.19	0.14			
3	0.660	0.590	0.530	0.48	0.590	0.530	0.480	0.44	0.530	0.470	0.430	0.40	0.370	0.340	0.32	0.270	0.260	0.24	0.180	0.170	0.17	0.13			
4	0.610	0.520	0.460	0.41	0.540	0.470	0.420	0.37	0.480	0.420	0.380	0.34	0.330	0.300	0.27	0.240	0.220	0.21	0.170	0.160	0.15	0.11			
5	0.560	0.450	0.400	0.35	0.500	0.410	0.360	0.32	0.440	0.380	0.330	0.29	0.290	0.260	0.24	0.220	0.200	0.18	0.150	0.140	0.13	0.10			
6	0.510	0.410	0.350	0.30	0.460	0.370	0.320	0.28	0.410	0.340	0.290	0.25	0.270	0.230	0.21	0.200	0.180	0.16	0.140	0.120	0.11	0.09			
7	0.470	0.370	0.300	0.26	0.420	0.340	0.280	0.24	0.380	0.300	0.250	0.22	0.240	0.200	0.18	0.180	0.160	0.14	0.120	0.110	0.10	0.08			
8	0.430	0.330	0.270	0.23	0.390	0.300	0.250	0.21	0.350	0.270	0.220	0.19	0.210	0.180	0.16	0.160	0.140	0.12	0.110	0.100	0.09	0.07			
9	0.400	0.300	0.240	0.20	0.360	0.270	0.220	0.18	0.320	0.240	0.200	0.17	0.190	0.160	0.14	0.150	0.120	0.11	0.100	0.090	0.08	0.06			
10	0.370	0.270	0.210	0.17	0.330	0.250	0.190	0.16	0.300	0.220	0.180	0.15	0.180	0.140	0.12	0.130	0.110	0.09	0.090	0.080	0.07	0.05			

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.