



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IES LM-41-1998 (Withdrawn)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
Q150F-332-OCT-PCB-ELB-UNI-2E
Project Number
10057136
Test Number
313483

Test Date

2013-10-11

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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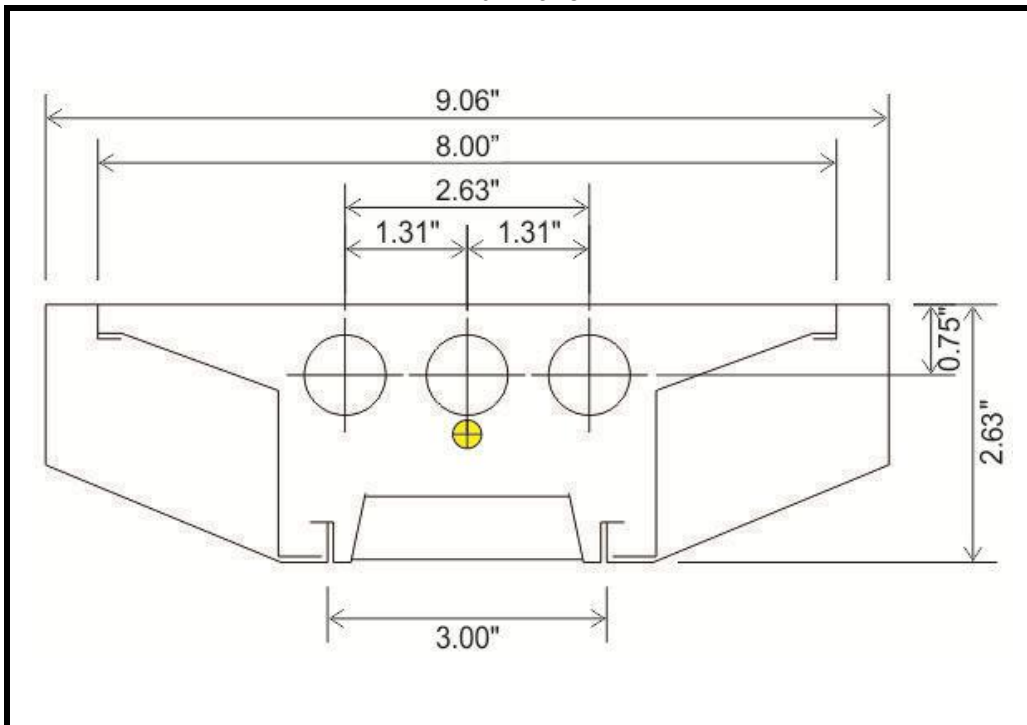
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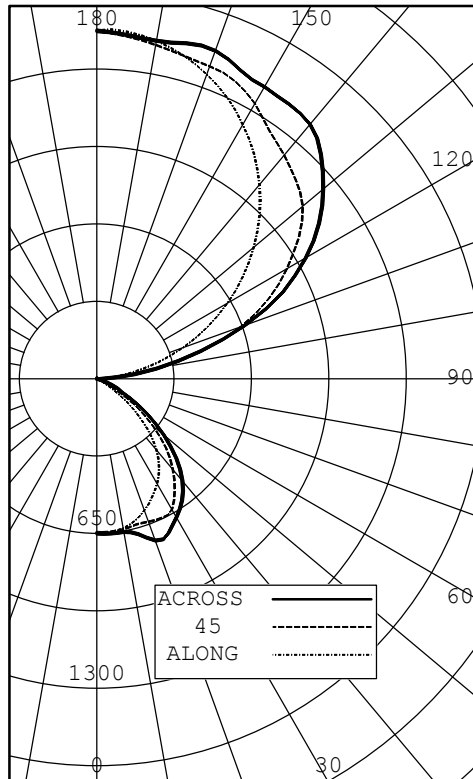


Luminaire Description: Formed white enamel steel housing, formed white aluminum reflector, formed semi-specular aluminum louver, no enclosure
Catalog Number: Q150F-332-OCT-PCB-ELB-UNI-2E
Lamp: Three horizontal 32 watt T8 linear fluorescent lamps rated at 2850 lumens each
Mounting: Pendant
Ballast/Driver: One Philips Advance Centium ICN-3P32-N

Luminaire

**Test Conditions**

Test Temperature:	25.0 °C
Voltage:	120.0 VAC
Current:	0.7671 A
Power:	90.88 W
Power Factor:	0.983
Frequency:	60 Hz
Current THD:	9.02 %



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	649	649	649	649	649	
5	649	645	646	650	653	63
15	619	621	636	663	678	182
25	551	564	647	708	715	292
35	456	499	570	606	624	344
45	305	369	411	449	472	307
55	113	144	199	235	259	172
65	13	16	36	72	99	49
75	2	3	4	7	11	7
85	0	0	1	1	1	1
90	0	0	0	0	0	
95	44	98	93	87	82	107
105	262	432	464	459	453	450
115	512	682	798	848	864	741
125	751	854	1037	1112	1140	880
135	967	1046	1183	1299	1333	900
145	1153	1194	1268	1358	1408	799
155	1301	1300	1379	1409	1429	628
165	1407	1393	1405	1431	1458	400
175	1463	1454	1445	1437	1450	140
180	1460	1460	1460	1460	1460	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	537	6.28	8.31
0-40	881	10.31	13.64
0-60	1361	15.92	21.06
0-90	1418	16.58	21.94
40-90	536	6.27	8.30
60-90	57	0.67	0.88
90-180	5045	59.01	78.06
0-180	6463	75.59	100.00

** EFFICIENCY: 75.6% **

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	1742	1910	2035
55	797	1054	1246
65	124	231	558
75	38	34	79
85	8	7	5

TESTED IN ACCORDANCE WITH IES PROCEDURES.



INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	649	649	649	649	649	649	
5	649	645	646	650	653	648	63
10	639	638	643	650	655	645	
15	619	621	636	663	678	642	182
20	588	595	640	701	725	648	
25	551	564	647	708	715	638	292
30	508	533	633	660	671	604	
35	456	499	570	606	624	554	344
40	390	448	498	537	560	490	
45	305	369	411	449	472	404	307
50	209	257	308	343	368	299	
55	113	144	199	235	259	191	172
60	39	53	101	143	164	100	
65	13	16	36	72	99	45	49
70	6	7	10	29	44	18	
75	2	3	4	7	11	5	7
80	1	1	2	3	3	2	
85	0	0	1	1	1	1	1
90	0	0	0	0	0	0	
95	44	98	93	87	82	85	107
100	144	271	269	261	254	250	
105	262	432	464	459	453	428	450
110	388	567	644	670	664	602	
115	512	682	798	848	864	754	741
120	634	767	923	994	1015	877	
125	751	854	1037	1112	1140	987	880
130	863	946	1130	1209	1243	1085	
135	967	1046	1183	1299	1333	1170	900
140	1065	1130	1227	1345	1396	1233	
145	1153	1194	1268	1358	1408	1275	799
150	1231	1249	1333	1372	1415	1319	
155	1301	1300	1379	1409	1429	1363	628
160	1359	1349	1395	1440	1465	1399	
165	1407	1393	1405	1431	1458	1415	400
170	1442	1430	1424	1425	1441	1430	
175	1463	1454	1445	1437	1450	1448	140
180	1460	1460	1460	1460	1460	1460	



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	0.850	0.850	0.850	0.85	0.760	0.760	0.760	0.76	0.670	0.670	0.670	0.67	0.510	0.510	0.51	0.360	0.360	0.36	0.230	0.230	0.23	0.17			
1	0.780	0.740	0.710	0.69	0.700	0.670	0.640	0.62	0.620	0.590	0.570	0.55	0.460	0.440	0.43	0.330	0.320	0.31	0.210	0.210	0.20	0.15			
2	0.710	0.650	0.600	0.56	0.640	0.590	0.550	0.51	0.570	0.520	0.490	0.46	0.400	0.380	0.36	0.290	0.280	0.27	0.190	0.190	0.18	0.14			
3	0.650	0.580	0.520	0.47	0.590	0.520	0.470	0.43	0.520	0.470	0.430	0.39	0.360	0.330	0.31	0.260	0.250	0.23	0.170	0.170	0.16	0.12			
4	0.600	0.510	0.450	0.40	0.540	0.460	0.410	0.37	0.480	0.420	0.370	0.33	0.320	0.290	0.27	0.240	0.220	0.20	0.160	0.150	0.14	0.11			
5	0.550	0.440	0.390	0.34	0.490	0.410	0.360	0.32	0.440	0.370	0.320	0.29	0.290	0.260	0.23	0.210	0.190	0.18	0.140	0.130	0.12	0.09			
6	0.500	0.410	0.340	0.30	0.450	0.370	0.310	0.27	0.400	0.330	0.280	0.25	0.260	0.230	0.20	0.190	0.170	0.16	0.130	0.120	0.11	0.08			
7	0.460	0.370	0.300	0.26	0.420	0.330	0.280	0.24	0.370	0.300	0.250	0.22	0.230	0.200	0.18	0.170	0.150	0.14	0.120	0.110	0.10	0.07			
8	0.430	0.330	0.270	0.22	0.380	0.300	0.240	0.21	0.340	0.270	0.220	0.19	0.210	0.180	0.15	0.160	0.140	0.12	0.110	0.090	0.08	0.07			
9	0.400	0.300	0.230	0.20	0.360	0.270	0.220	0.18	0.320	0.240	0.200	0.16	0.190	0.160	0.13	0.140	0.120	0.10	0.100	0.080	0.07	0.06			
10	0.370	0.270	0.210	0.17	0.330	0.240	0.190	0.16	0.290	0.220	0.180	0.14	0.170	0.140	0.12	0.130	0.110	0.09	0.090	0.070	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.