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IES LM-41-1998 (Withdrawn)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-232-OCT-PCB-ELB-UNI-2E
Project Number
10057136
Test Number
313485

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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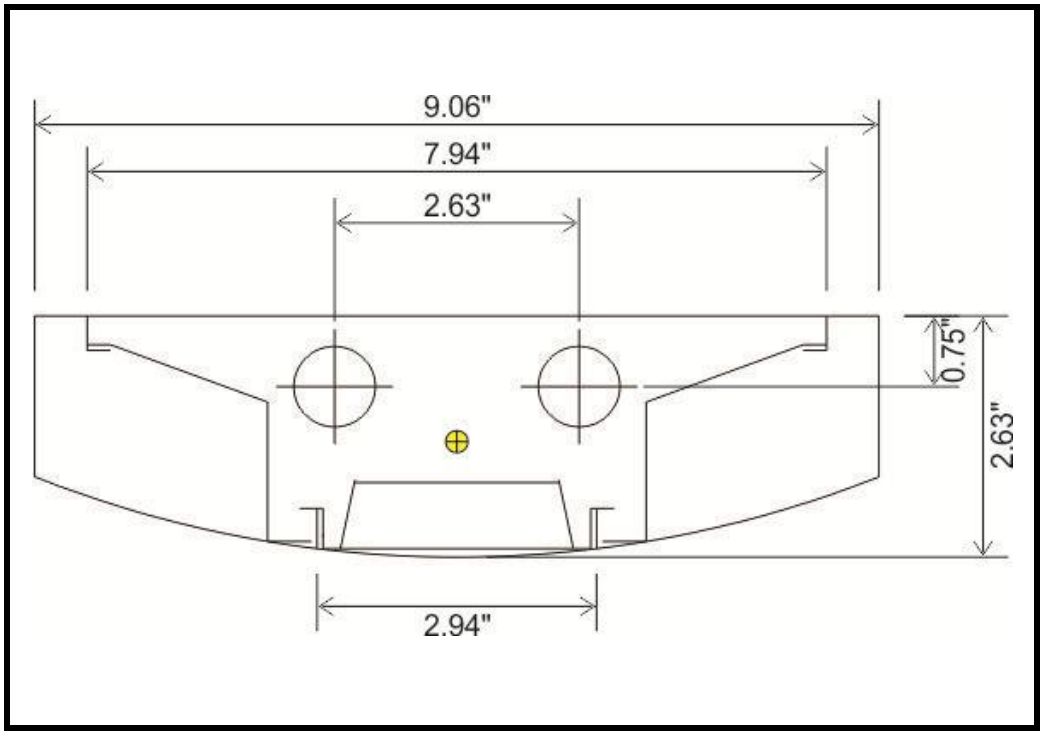
Luminaire Description:	Formed white enamel steel housing, formed white aluminum reflector, formed semi-specular aluminum louver, no enclosure
Catalog Number:	Q250F-232-OCT-PCB-ELB-UNI-2E
Lamp:	Two horizontal 32 watt T8 linear fluorescent lamps rated at 2850 lumens each
Mounting:	Pendant
Ballast/Driver:	One Philips Advance Centium ICN-2P32-N

Luminaire



Test Conditions

Test Temperature:	25.6	°C
Voltage:	120.0	VAC
Current:	0.5057	A
Power:	60.55	W
Power Factor:	0.998	
Frequency:	60	Hz
Current THD:	4.18	%

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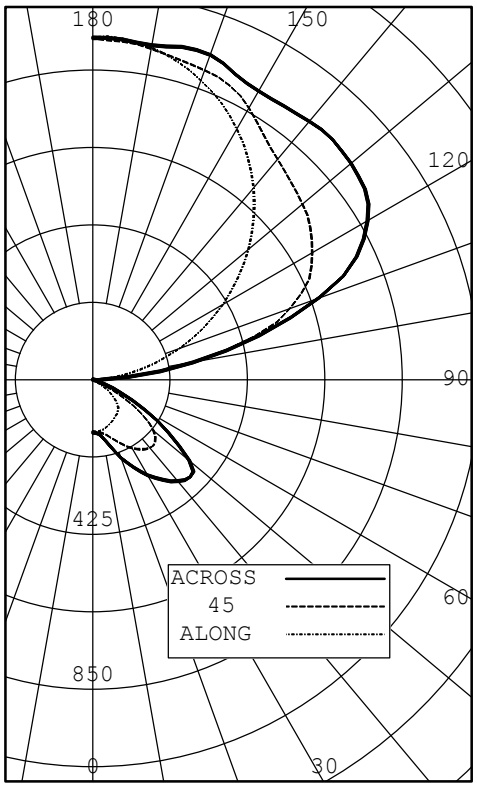

INTENSITY(CANDLEPOWER) SUMMARY

ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	146	146	146	146	146	
5	145	145	146	149	149	14
15	138	143	160	182	190	47
25	127	144	198	248	266	91
35	115	154	235	305	337	144
45	95	149	242	328	378	181
55	52	89	166	225	254	139
65	6	11	32	67	85	43
75	1	1	2	4	8	4
85	0	0	0	1	1	0
90	0	0	0	0	0	
95	30	106	106	102	101	114
105	173	349	459	474	475	418
115	334	458	657	765	800	600
125	487	553	730	861	913	635
135	626	679	770	884	932	600
145	745	776	819	880	917	518
155	838	844	892	912	926	407
165	904	904	911	928	946	259
175	940	935	933	929	938	90
180	938	938	938	938	938	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	153	2.68	3.54
0-40	297	5.20	6.89
0-60	617	10.82	14.33
0-90	665	11.67	15.45
40-90	369	6.47	8.56
60-90	48	0.85	1.12
90-180	3641	63.88	84.55
0-180	4307	75.55	100.00

** EFFICIENCY: 75.6% **

LUMINOUS LENGTH: 48.000 INS
WIDTH: 8.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 2.6
SC(ALONG): 1.2, SC(ACROSS): 2.6

ANGLE	ALONG	45	ACROSS
45	543	1126	1629
55	367	882	1223
65	60	202	478
75	10	17	55
85	0	2	5

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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INTENSITY(CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	LUMENS
0	146	146	146	146	146	146	
5	145	145	146	149	149	147	14
10	142	144	150	159	162	151	
15	138	143	160	182	190	162	47
20	132	142	177	214	229	179	
25	127	144	198	248	266	197	91
30	121	148	218	279	304	215	
35	115	154	235	305	337	230	144
40	108	156	245	323	365	240	
45	95	149	242	328	378	239	181
50	76	126	218	305	345	215	
55	52	89	166	225	254	158	139
60	21	41	94	139	167	92	
65	6	11	32	67	85	39	43
70	2	4	7	22	35	13	
75	1	1	2	4	8	3	4
80	0	0	1	1	2	1	
85	0	0	0	1	1	0	0
90	0	0	0	0	0	0	
95	30	106	106	102	101	95	114
100	95	255	283	279	280	251	
105	173	349	459	474	475	402	418
110	254	410	578	655	664	525	
115	334	458	657	765	800	612	600
120	412	502	697	833	871	668	
125	487	553	730	861	913	711	635
130	559	614	752	876	926	746	
135	626	679	770	884	932	778	600
140	689	734	790	879	926	803	
145	745	776	819	880	917	827	518
150	794	811	861	887	914	853	
155	838	844	892	912	926	883	407
160	873	875	904	932	949	905	
165	904	904	911	928	946	917	259
170	927	923	923	923	933	925	
175	940	935	933	929	938	934	90
180	938	938	938	938	938	938	

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC	90				80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																						
0	0.84	0.84	0.84	0.84	0.75	0.75	0.75	0.75	0.66	0.66	0.66	0.66	0.48	0.48	0.48	0.33	0.33	0.33	0.18	0.18	0.18	0.12
1	0.77	0.73	0.70	0.68	0.68	0.65	0.63	0.60	0.60	0.57	0.55	0.53	0.43	0.41	0.40	0.29	0.28	0.28	0.17	0.16	0.16	0.10
2	0.70	0.64	0.59	0.55	0.62	0.57	0.53	0.49	0.55	0.50	0.47	0.44	0.38	0.35	0.33	0.26	0.24	0.23	0.15	0.14	0.14	0.09
3	0.64	0.56	0.50	0.46	0.57	0.50	0.45	0.41	0.50	0.44	0.40	0.37	0.33	0.31	0.28	0.23	0.21	0.20	0.13	0.13	0.12	0.08
4	0.58	0.50	0.43	0.38	0.52	0.44	0.39	0.35	0.45	0.39	0.35	0.31	0.29	0.26	0.24	0.20	0.18	0.17	0.12	0.11	0.10	0.07
5	0.53	0.43	0.37	0.33	0.47	0.39	0.34	0.29	0.42	0.35	0.30	0.26	0.26	0.23	0.20	0.18	0.16	0.14	0.11	0.10	0.09	0.06
6	0.49	0.39	0.32	0.28	0.43	0.35	0.29	0.25	0.38	0.31	0.26	0.23	0.23	0.20	0.17	0.16	0.14	0.12	0.09	0.08	0.07	0.05
7	0.45	0.35	0.28	0.24	0.40	0.31	0.25	0.22	0.35	0.28	0.23	0.19	0.21	0.17	0.15	0.14	0.12	0.11	0.08	0.07	0.06	0.04
8	0.41	0.31	0.25	0.20	0.37	0.28	0.22	0.19	0.32	0.25	0.20	0.17	0.19	0.15	0.13	0.13	0.11	0.09	0.07	0.06	0.05	0.03
9	0.38	0.28	0.22	0.18	0.34	0.25	0.20	0.16	0.30	0.22	0.18	0.14	0.17	0.13	0.11	0.11	0.09	0.08	0.07	0.05	0.05	0.03
10	0.35	0.25	0.19	0.16	0.31	0.23	0.17	0.14	0.27	0.20	0.16	0.13	0.15	0.12	0.10	0.10	0.08	0.07	0.06	0.05	0.04	0.02

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.