

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: 139P100

Luminaire Tested: **SNRA-340**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: 139P100
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SNRA-340
Description: Right Angle Striplite
Light Source: Three-F40CW - 3150 Lumens ea. - 40 Watts ea.
Ballast/Driver: -

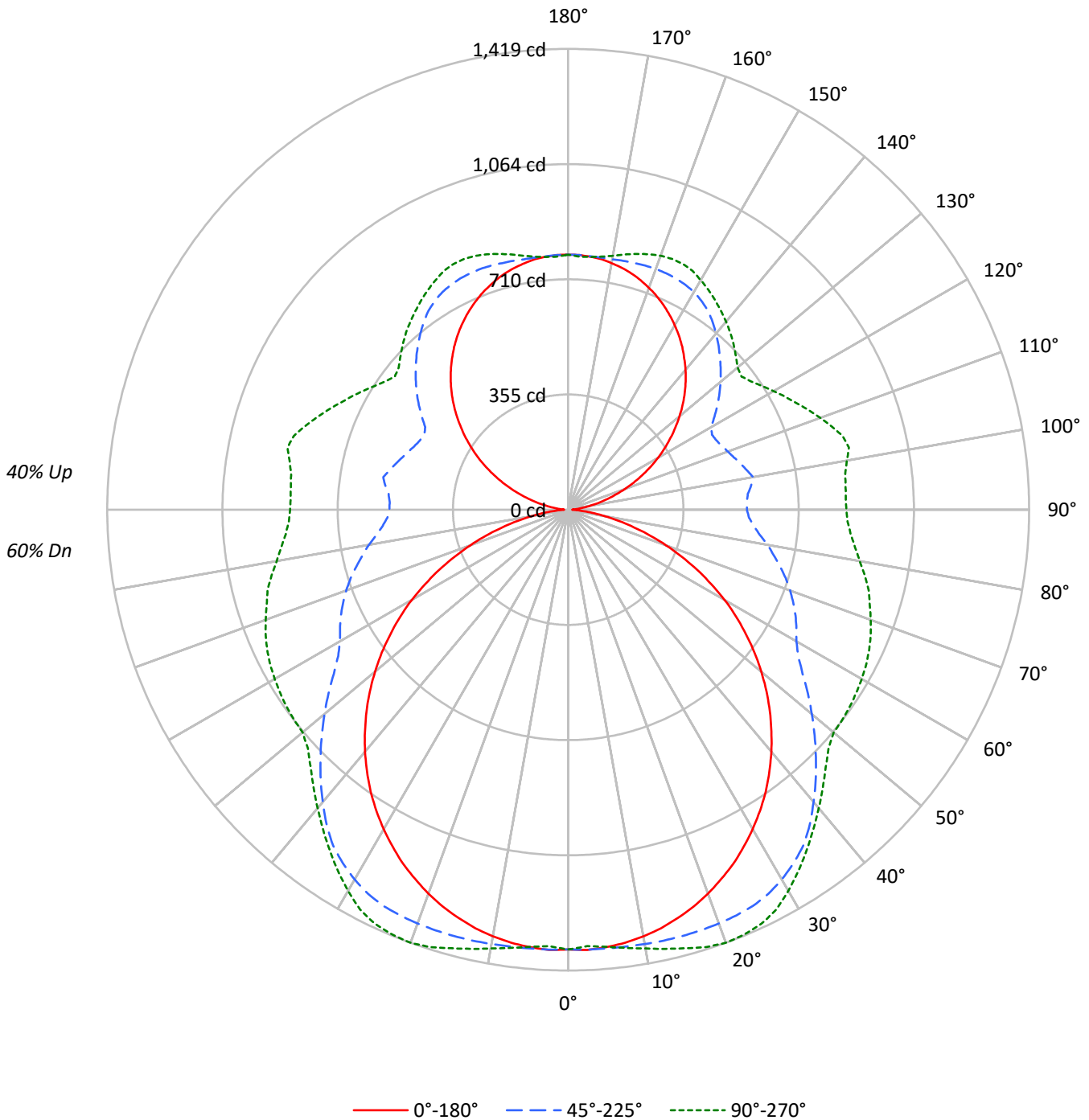
Summary

Lumens per Lamp: 3150 (3 lamps)
Luminaire Lumens: 9207.9 lumens
Efficiency: 97.4%
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.44 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.52' x L: 4' x H: 0.33')
CIE Type: General Diffuse

Input Watts (W): 141.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	100	100	100	100	86	86	86	74	74	74	63	63	63	58				
1	95	89	84	80	88	83	79	75	72	68	65	61	59	56	52	50	48	43				
2	85	77	69	63	79	71	65	60	61	57	52	52	49	45	44	41	39	34				
3	77	67	58	52	71	62	55	49	53	48	43	46	41	37	38	35	32	28				
4	70	58	50	43	65	55	47	41	47	41	36	40	35	31	34	30	27	23				
5	64	52	43	37	60	48	40	35	42	36	31	36	31	27	30	26	23	20				
6	59	46	38	31	55	43	35	30	38	31	26	32	27	23	27	23	20	17				
7	55	42	33	27	51	39	31	26	34	28	23	29	24	20	25	21	18	15				
8	51	38	30	24	47	35	28	23	31	25	20	27	22	18	23	19	16	13				
9	47	34	27	21	44	32	25	20	28	22	18	25	20	16	21	17	14	12				
10	44	32	24	19	41	30	23	18	26	20	16	23	18	14	19	16	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6993	6993	6993
5°	6959	6730	6634
10°	6895	6534	6467
15°	6810	6392	6382
20°	6711	6285	6328
25°	6600	6195	6177
30°	6464	6057	5903
35°	6316	5861	5576
40°	6132	5545	5266
45°	5920	5212	4995
50°	5673	4890	4867
55°	5376	4587	4981
60°	5020	4445	5113
65°	4542	4503	5269
70°	3945	4568	5430
75°	3197	4635	5647
80°	2303	4755	5859
85°	1306	4965	6229



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	129.3	1.4	1.4	0°	1354	1354	1354	1354	1354	
10°-20°	383.8	4.2	4.1	5°	1352	1353	1356	1356	1351	128
20°-30°	610.6	6.6	6.5	15°	1302	1320	1359	1392	1398	367
30°-40°	760.1	8.3	8.0	25°	1203	1252	1346	1398	1407	554
40°-50°	811.4	8.8	8.6	35°	1060	1151	1262	1280	1280	662
50°-60°	798.5	8.7	8.4	45°	878	1013	1078	1110	1121	677
60°-70°	752.2	8.2	8.0	55°	668	817	881	1002	1058	597
70°-80°	669.6	7.3	7.1	65°	438	579	772	956	1022	433
80°-90°	575.2	6.2	6.1	75°	210	394	675	881	958	225
90°-100°	551.4	6.0	5.8	85°	43	264	573	794	873	50
100°-110°	548.7	6.0	5.8	90°	13	230	550	775	856	9
110°-120°	515.0	5.6	5.5	95°	29	243	555	777	857	32
120°-130°	498.8	5.4	5.3	105°	122	239	549	789	875	130
130°-140°	496.1	5.4	5.2	115°	251	350	504	702	776	249
140°-150°	453.0	4.9	4.8	125°	384	482	561	635	688	343
150°-160°	357.3	3.9	3.8	135°	507	590	661	706	720	391
160°-170°	222.3	2.4	2.4	145°	612	667	749	780	788	383
170°-180°	74.7	0.8	0.8	155°	695	722	786	827	835	320
0°-30°	1123.7	12.2	11.9	165°	753	759	786	810	815	212
0°-40°	1883.8	20.5	19.9	175°	782	781	783	784	781	74
0°-60°	3493.7	37.9	37.0	180°	785	785	785	785	785	
0°-90°	5490.6	59.6	58.1							
90°-120°	1615.1	17.5	17.1							
90°-150°	3063.0	33.3	32.4							
90°-180°	3717.0	40.4	39.3							
0°-180°	9207.9	100.0	97.4							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1354	1354	1354	1354	1354
2.5°	1357	1357	1356	1352	1345
5°	1352	1353	1356	1356	1351
7.5°	1345	1348	1357	1363	1361
10°	1334	1341	1358	1373	1372
12.5°	1320	1332	1359	1382	1385
15°	1302	1320	1359	1392	1398
17.5°	1282	1306	1358	1401	1412
20°	1258	1290	1356	1408	1419
22.5°	1231	1272	1352	1407	1416
25°	1203	1252	1346	1398	1407
27.5°	1170	1230	1334	1383	1388
30°	1136	1206	1315	1356	1355
32.5°	1099	1179	1291	1319	1319
35°	1060	1151	1262	1280	1280
37.5°	1017	1121	1222	1238	1240
40°	973	1088	1175	1195	1200
42.5°	926	1052	1128	1153	1160
45°	878	1013	1078	1110	1121
47.5°	828	970	1029	1069	1087
50°	776	924	979	1031	1067
52.5°	723	871	930	1011	1063
55°	668	817	881	1002	1058
57.5°	613	757	839	993	1051
60°	556	697	811	982	1043
62.5°	496	638	792	970	1034
65°	438	579	772	956	1022
67.5°	379	522	750	939	1008
70°	321	468	727	921	991
72.5°	265	427	702	901	973
75°	210	394	675	881	958
77.5°	160	360	648	861	935
80°	114	326	623	835	911
82.5°	74	292	595	813	891
85°	43	264	573	794	873
87.5°	22	242	557	781	861
90°	13	230	550	775	856
92.5°	17	233	550	775	855
95°	29	243	555	777	857
97.5°	46	238	568	782	860
100°	67	234	578	796	871
102.5°	93	234	563	807	885
105°	122	239	549	789	875
107.5°	152	257	535	767	851
110°	185	287	523	745	826



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	218	318	512	724	801
115°	251	350	504	702	776
117.5°	285	382	499	683	753
120°	319	416	508	665	730
122.5°	352	449	534	647	708
125°	384	482	561	635	688
127.5°	416	512	587	642	673
130°	447	540	612	664	681
132.5°	478	566	637	685	700
135°	507	590	661	706	720
137.5°	535	612	685	726	739
140°	562	632	708	745	756
142.5°	587	650	730	762	772
145°	612	667	749	780	788
147.5°	635	682	763	796	803
150°	656	697	774	811	816
152.5°	676	710	781	822	829
155°	695	722	786	827	835
157.5°	712	732	788	827	836
160°	727	742	789	824	832
162.5°	741	751	788	818	825
165°	753	759	786	810	815
167.5°	763	766	785	802	805
170°	771	772	783	794	794
172.5°	778	777	783	788	786
175°	782	781	783	784	781
177.5°	785	784	785	784	780
180°	785	785	785	785	785

(END OF REPORT)