

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: 217P100

Luminaire Tested: **SNRA-332**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: 217P100
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SNRA-332
Description: Right Angle Striplite
Light Source: Three - F032T8\35K - 2800 Lumens ea. - 32 Watts ea.
Ballast/Driver: Magnetek B3321120RH Electronic - L.O.B.F. = 88.9

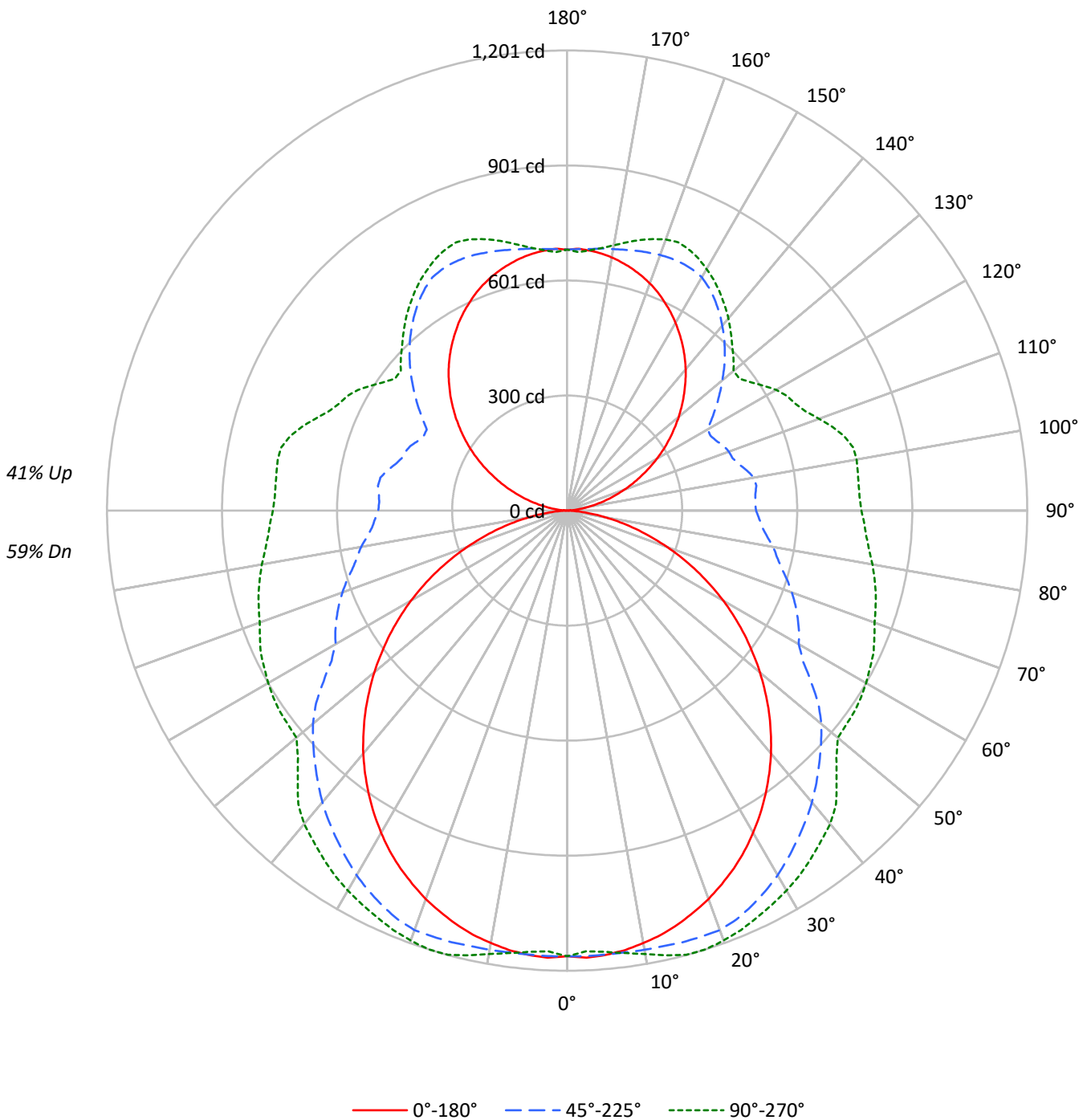
Summary

Lumens per Lamp: 2800 (3 lamps)
Luminaire Lumens: 7983.6 lumens
Efficiency: 95.0%
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.46 / 1.51
Luminous Opening: Rectangular w/ Sides (W: 0.45' x L: 3.92' x H: 0.23')
CIE Type: General Diffuse

Input Watts (W): 88.7
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	0
RCR																		
0	104	104	104	104	97	97	97	97	84	84	84	72	72	72	62	62	62	56
1	92	87	82	78	86	81	77	73	70	66	64	60	57	55	50	48	47	42
2	83	74	67	62	77	69	63	58	60	55	51	51	47	44	43	40	37	33
3	75	65	57	50	69	60	53	47	52	46	42	44	40	36	37	34	31	27
4	68	57	48	42	63	53	45	39	46	40	35	39	34	30	33	29	26	23
5	63	50	42	35	58	47	39	34	41	34	30	35	30	26	29	25	22	19
6	58	45	37	31	53	42	34	29	37	30	26	31	26	22	26	22	19	17
7	53	41	32	27	49	38	30	25	33	27	22	28	23	20	24	20	17	14
8	49	37	29	23	46	34	27	22	30	24	20	26	21	17	22	18	15	13
9	46	33	26	21	43	31	24	20	27	22	18	24	19	16	20	16	14	11
10	43	31	23	19	40	29	22	18	25	20	16	22	17	14	19	15	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7134	7134	7134
5°	7130	6912	6807
10°	7064	6759	6701
15°	6988	6669	6685
20°	6893	6614	6549
25°	6782	6468	6379
30°	6648	6290	6231
35°	6490	6092	6081
40°	6314	5916	5946
45°	6098	5721	5664
50°	5853	5544	5423
55°	5567	5227	5604
60°	5236	4999	5803
65°	4812	5119	6038
70°	4267	5252	6290
75°	3585	5411	6702
80°	2665	5785	7212
85°	1422	6305	7916



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	111.0	1.4	1.3	0°	1163	1163	1163	1163	1163	
10°-20°	328.9	4.1	3.9	5°	1164	1162	1163	1166	1156	111
20°-30°	517.0	6.5	6.2	15°	1118	1130	1166	1200	1200	315
30°-40°	647.5	8.1	7.7	25°	1030	1070	1139	1172	1172	474
40°-50°	700.9	8.8	8.3	35°	903	982	1048	1102	1109	565
50°-60°	686.2	8.6	8.2	45°	745	840	931	996	994	574
60°-70°	649.3	8.1	7.7	55°	565	677	776	869	915	505
70°-80°	583.0	7.3	6.9	65°	374	508	664	826	882	370
80°-90°	515.2	6.5	6.1	75°	185	346	579	768	834	197
90°-100°	489.5	6.1	5.8	85°	34	242	511	714	784	42
100°-110°	470.6	5.9	5.6	90°	1	212	493	697	768	3
110°-120°	440.6	5.5	5.2	95°	18	216	493	694	764	23
120°-130°	426.6	5.3	5.1	105°	105	210	465	674	749	112
130°-140°	431.6	5.4	5.1	115°	213	306	430	601	658	211
140°-150°	402.2	5.0	4.8	125°	326	427	475	535	584	291
150°-160°	320.1	4.0	3.8	135°	432	530	582	605	609	333
160°-170°	197.8	2.5	2.4	145°	526	597	672	693	695	329
170°-180°	65.5	0.8	0.8	155°	601	641	712	750	752	277
0°-30°	957.0	12.0	11.4	165°	654	670	702	728	731	184
0°-40°	1604.5	20.1	19.1	175°	681	682	685	687	682	65
0°-60°	2991.6	37.5	35.6	180°	681	681	681	681	681	
0°-90°	4739.1	59.4	56.4							
90°-120°	1400.7	17.5	16.7							
90°-150°	2661.1	33.3	31.7							
90°-180°	3244.0	40.6	38.6							
0°-180°	7983.6	100.0	95.0							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1163	1163	1163	1163	1163
2.5°	1168	1166	1164	1164	1151
5°	1164	1162	1163	1166	1156
7.5°	1157	1157	1163	1173	1165
10°	1146	1149	1164	1181	1175
12.5°	1134	1140	1164	1190	1189
15°	1118	1130	1166	1200	1200
17.5°	1099	1117	1166	1204	1201
20°	1079	1103	1165	1198	1194
22.5°	1055	1087	1155	1187	1185
25°	1030	1070	1139	1172	1172
27.5°	1002	1051	1120	1156	1159
30°	971	1030	1099	1140	1145
32.5°	938	1008	1074	1123	1129
35°	903	982	1048	1102	1109
37.5°	866	950	1022	1079	1088
40°	828	916	994	1055	1068
42.5°	787	879	963	1030	1039
45°	745	840	931	996	994
47.5°	701	800	899	949	953
50°	657	758	866	906	922
52.5°	611	717	826	876	918
55°	565	677	776	869	915
57.5°	518	635	729	861	909
60°	471	592	698	851	901
62.5°	422	549	682	839	891
65°	374	508	664	826	882
67.5°	325	462	645	811	868
70°	277	411	624	794	854
72.5°	231	371	602	780	844
75°	185	346	579	768	834
77.5°	142	318	561	756	822
80°	101	290	546	741	809
82.5°	65	262	527	726	795
85°	34	242	511	714	784
87.5°	11	224	502	706	776
90°	1	212	493	697	768
92.5°	6	211	491	693	764
95°	18	216	493	694	764
97.5°	36	211	498	696	765
100°	57	207	495	698	767
102.5°	80	210	481	692	764
105°	105	210	465	674	749
107.5°	131	220	453	652	726
110°	158	246	449	628	700



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	186	275	442	611	675
115°	213	306	430	601	658
117.5°	242	336	422	589	647
120°	270	367	423	570	630
122.5°	299	397	448	551	607
125°	326	427	475	535	584
127.5°	353	455	502	534	566
130°	380	482	529	557	567
132.5°	406	508	556	581	589
135°	432	530	582	605	609
137.5°	457	549	607	628	632
140°	481	567	630	650	655
142.5°	504	583	652	672	675
145°	526	597	672	693	695
147.5°	546	610	689	711	713
150°	566	621	703	727	728
152.5°	584	632	709	740	742
155°	601	641	712	750	752
157.5°	617	650	712	752	758
160°	631	657	710	746	753
162.5°	643	664	706	738	743
165°	654	670	702	728	731
167.5°	663	674	697	716	717
170°	671	677	693	704	703
172.5°	677	680	690	695	691
175°	681	682	685	687	682
177.5°	684	684	683	682	675
180°	681	681	681	681	681

(END OF REPORT)