

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: CORELITE

Report Number: 266P101

Luminaire Tested: **E2W-WW-1T8-1C-120-4**

Issue Date: 3/3/2020

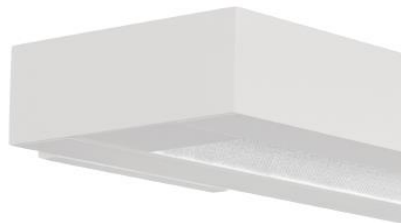
Test Information

Test Method: LM-41-14
Report Number: 266P101
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: E2W-WW-1T8-1C-120-4
Description: ELEMENT WALL MOUNT, 1 LAMP T8, WITH WHITE BLADE LOUVER, LOWER
Light Source: ONE - F032/830 - 3100 LUMENS - 32 WATTS
Ballast/Driver: -

Summary

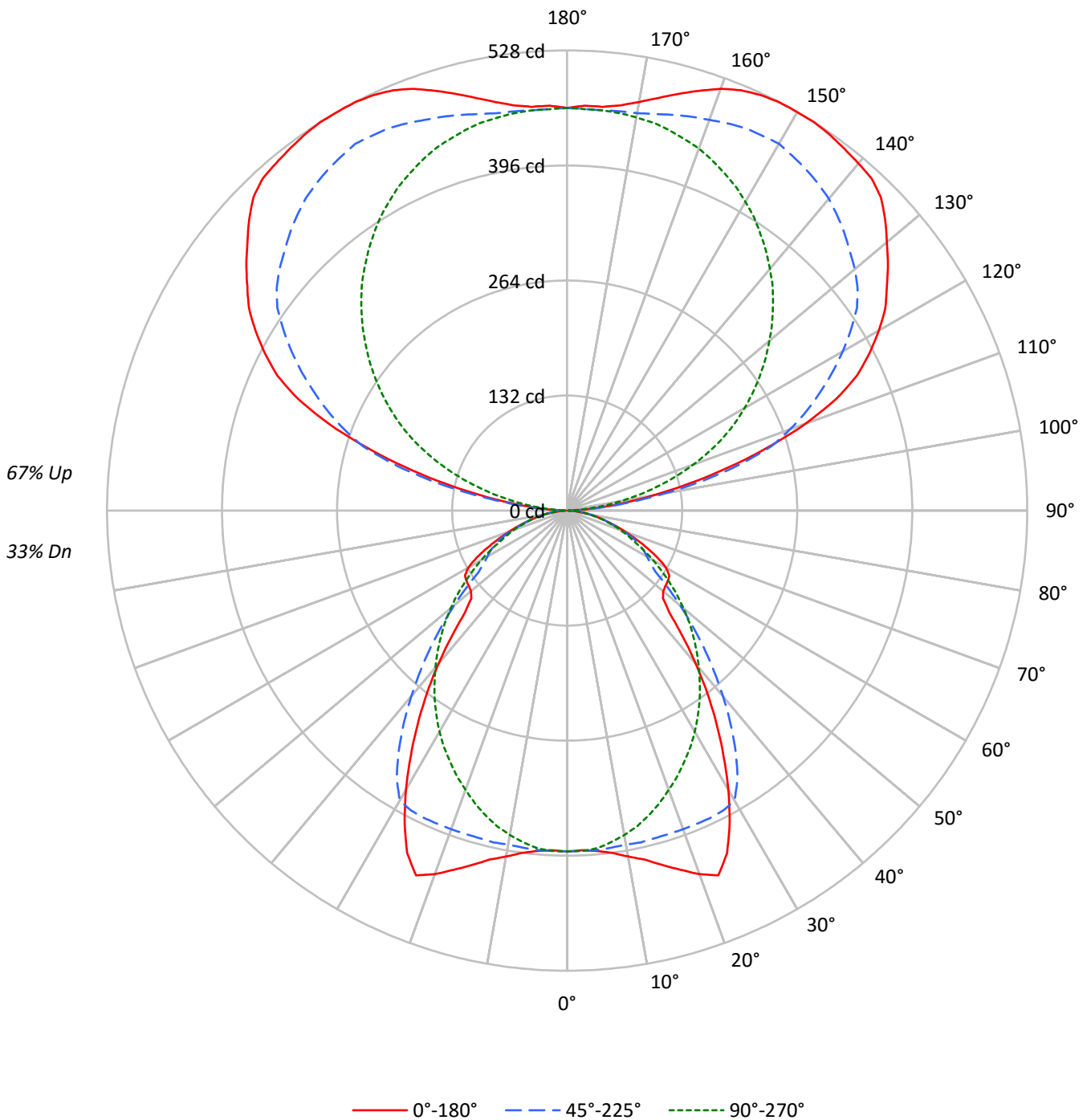
Lumens per Lamp: 3100 (1 lamp)
Luminaire Lumens: 2868.6 lumens
Efficiency: 92.5%
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.13 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 35
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										
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	50	30	10	0														
RCR																																						
0	96	96	96	96	86	86	86	86	69	69	69	53	53	53	38	38	38	31																				
1	87	83	80	77	79	75	73	70	60	58	57	47	45	44	34	33	32	27																				
2	80	73	68	63	72	66	62	58	53	50	47	41	39	37	30	29	28	23																				
3	73	64	58	53	65	58	53	48	47	43	40	37	34	32	27	25	24	19																				
4	67	57	50	45	60	52	46	41	42	38	34	33	30	27	24	22	21	17																				
5	61	51	44	38	55	46	40	35	38	33	30	29	26	24	22	20	18	15																				
6	56	46	38	33	51	42	35	31	34	29	26	27	23	21	20	18	16	13																				
7	52	41	34	29	47	38	31	27	31	26	23	24	21	18	18	16	14	12																				
8	48	37	30	26	44	34	28	24	28	23	20	22	19	16	17	15	13	11																				
9	45	34	27	23	41	31	25	21	26	21	18	20	17	15	15	13	12	10																				
10	42	31	25	20	38	29	23	19	24	19	16	19	16	13	14	12	11	9																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3157	3157	3157
5°	3177	3169	3152
10°	3304	3189	3099
15°	3519	3251	3025
20°	3814	3342	2930
25°	3866	3465	2833
30°	3449	3580	2731
35°	2947	3321	2612
40°	2424	2930	2477
45°	1895	2523	2340
50°	1809	2123	2185
55°	1985	1759	2013
60°	2115	1711	1841
65°	1929	1738	1643
70°	1676	1605	1534
75°	1435	1435	1404
80°	1255	1302	1255
85°	926	1112	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	37.3	1.3	1.2
10°-20°	110.7	3.9	3.6
20°-30°	174.9	6.1	5.6
30°-40°	191.2	6.7	6.2
40°-50°	162.9	5.7	5.3
50°-60°	127.9	4.5	4.1
60°-70°	92.2	3.2	3.0
70°-80°	49.2	1.7	1.6
80°-90°	14.2	0.5	0.5
90°-100°	46.6	1.6	1.5
100°-110°	190.8	6.6	6.2
110°-120°	300.7	10.5	9.7
120°-130°	341.8	11.9	11.0
130°-140°	336.9	11.7	10.9
140°-150°	292.2	10.2	9.4
150°-160°	221.2	7.7	7.1
160°-170°	133.7	4.7	4.3
170°-180°	44.2	1.5	1.4
0°-30°	322.9	11.3	10.4
0°-40°	514.1	17.9	16.6
0°-60°	804.9	28.1	26.0
0°-90°	960.5	33.5	31.0
90°-120°	538.0	18.8	17.4
90°-150°	1509.0	52.6	48.7
90°-180°	1908.0	66.5	61.5
0°-180°	2868.6	100.0	92.5

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	391	391	391	391	391	
5°	392	393	391	389	389	38
15°	421	413	389	368	362	120
25°	434	434	389	337	318	195
35°	299	309	337	299	265	186
45°	166	182	221	252	205	134
55°	141	132	125	167	143	125
65°	101	99	91	89	86	100
75°	46	46	46	47	45	50
85°	10	11	12	13	13	12
90°	2	3	3	3	1	3
95°	32	33	37	45	22	41
105°	192	196	206	175	108	204
115°	367	354	320	265	197	358
125°	448	434	406	332	270	401
135°	509	494	450	384	334	391
145°	526	512	478	419	387	330
155°	526	515	484	441	427	243
165°	495	487	470	454	452	141
175°	465	464	461	460	461	45
180°	462	462	462	462	462	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	391	391	391	391	391
2.5°	390	392	391	391	391
5°	392	393	391	389	389
7.5°	396	395	390	385	384
10°	403	400	389	381	378
12.5°	410	406	390	375	371
15°	421	413	389	368	362
17.5°	432	421	389	361	352
20°	444	429	389	354	341
22.5°	453	437	389	346	330
25°	434	434	389	337	318
27.5°	404	408	388	328	306
30°	370	377	384	318	293
32.5°	334	343	364	309	279
35°	299	309	337	299	265
37.5°	264	276	308	288	250
40°	230	243	278	277	235
42.5°	196	212	249	265	220
45°	166	182	221	252	205
47.5°	149	155	194	236	190
50°	144	141	169	214	174
52.5°	142	136	146	191	159
55°	141	132	125	167	143
57.5°	139	128	113	145	128
60°	131	123	106	124	114
62.5°	117	113	99	105	100
65°	101	99	91	89	86
67.5°	85	83	81	76	75
70°	71	69	68	66	65
72.5°	58	57	56	56	55
75°	46	46	46	47	45
77.5°	36	36	36	38	36
80°	27	27	28	29	27
82.5°	18	18	20	21	20
85°	10	11	12	13	13
87.5°	5	5	5	7	6
90°	2	3	3	3	1
92.5°	13	14	14	15	6
95°	32	33	37	45	22
97.5°	63	65	72	86	41
100°	99	103	114	123	63
102.5°	144	148	161	149	85
105°	192	196	206	175	108
107.5°	242	245	246	201	131
110°	291	290	272	226	154



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	334	329	297	248	176
115°	367	354	320	265	197
117.5°	391	377	343	283	217
120°	413	399	365	300	235
122.5°	433	417	386	316	253
125°	448	434	406	332	270
127.5°	464	452	420	346	287
130°	479	468	431	360	303
132.5°	495	484	440	372	319
135°	509	494	450	384	334
137.5°	517	499	459	394	349
140°	520	503	467	403	362
142.5°	523	508	473	411	375
145°	526	512	478	419	387
147.5°	528	514	482	426	399
150°	528	516	486	432	409
152.5°	528	516	485	437	419
155°	526	515	484	441	427
157.5°	522	511	481	445	435
160°	515	503	477	448	442
162.5°	505	495	474	451	447
165°	495	487	470	454	452
167.5°	485	479	466	456	456
170°	476	471	463	458	458
172.5°	469	466	462	459	460
175°	465	464	461	460	461
177.5°	465	464	461	460	461
180°	462	462	462	462	462

(END OF REPORT)