

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: 266P100

Luminaire Tested: **E2W-WW-2T8-1C-120-4**

Issue Date: 3/3/2020

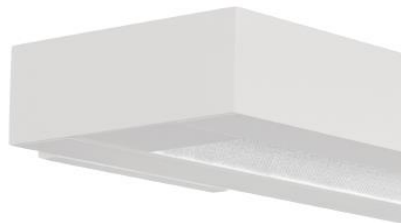
Test Information

Test Method: LM-41-14
Report Number: 266P100
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: E2W-WW-2T8-1C-120-4
Description: ELEMENT WALL MOUNT, 2 LAMP T8, WITH WHITE BLADE LOUVER,
COMBINED UPPER/LOWER
Light Source: TWO - F032/830 - 3100 LUMENS - 32 WATTS
Ballast/Driver: -

Summary

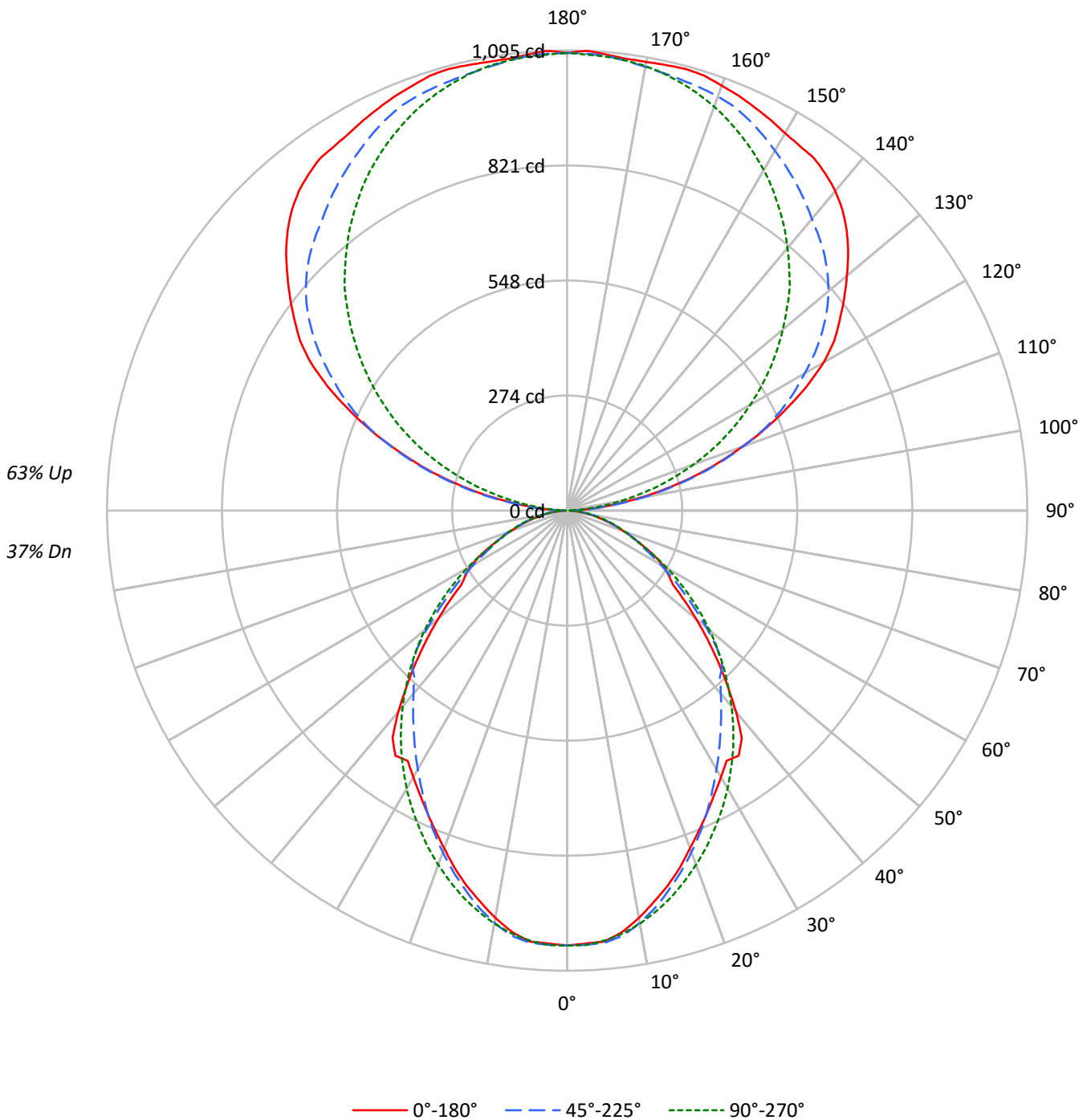
Lumens per Lamp: 3100 (2 lamps)
Luminaire Lumens: 5865.5 lumens
Efficiency: 94.6%
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.11 / 1.18
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 58
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									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	98	98	98	98	89	89	89	89	72	72	72	56	56	56	42	42	42	35																			
1	90	86	83	79	82	78	75	73	63	61	60	50	49	47	37	37	36	30																			
2	82	76	70	65	74	69	64	60	56	53	50	44	42	40	33	32	31	26																			
3	75	67	60	55	68	61	55	50	50	46	42	39	37	34	30	28	26	22																			
4	69	59	52	46	62	54	48	43	44	40	36	35	32	29	27	25	23	19																			
5	63	53	45	40	57	48	42	37	40	35	31	32	28	26	24	22	20	17																			
6	58	47	40	35	53	43	37	32	36	31	27	29	25	23	22	20	18	15																			
7	54	43	35	30	49	39	33	28	32	28	24	26	23	20	20	18	16	13																			
8	50	39	32	27	45	36	29	25	30	25	21	24	20	18	19	16	14	12																			
9	47	35	29	24	42	33	27	22	27	22	19	22	19	16	17	15	13	11																			
10	43	32	26	21	39	30	24	20	25	20	17	20	17	15	16	14	12	10																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8355	8355	8355
5°	8339	8363	8323
10°	8066	8165	8181
15°	7723	7814	7965
20°	7345	7431	7706
25°	7037	7028	7420
30°	6824	6628	7122
35°	7017	6278	6790
40°	6587	5996	6418
45°	5788	5960	6005
50°	5024	5438	5551
55°	4321	4743	5025
60°	4295	4133	4456
65°	3840	3687	3744
70°	3375	3446	3446
75°	2994	3119	3182
80°	2603	2836	2882
85°	2223	2594	2686



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	97.2	1.7	1.6
10°-20°	263.9	4.5	4.3
20°-30°	368.9	6.3	6.0
30°-40°	416.7	7.1	6.7
40°-50°	392.7	6.7	6.3
50°-60°	299.3	5.1	4.8
60°-70°	199.3	3.4	3.2
70°-80°	106.6	1.8	1.7
80°-90°	32.5	0.6	0.5
90°-100°	84.3	1.4	1.4
100°-110°	316.2	5.4	5.1
110°-120°	523.7	8.9	8.4
120°-130°	636.3	10.8	10.3
130°-140°	657.8	11.2	10.6
140°-150°	594.9	10.1	9.6
150°-160°	470.6	8.0	7.6
160°-170°	301.1	5.1	4.9
170°-180°	103.3	1.8	1.7
0°-30°	730.0	12.4	11.8
0°-40°	1146.7	19.6	18.5
0°-60°	1838.7	31.3	29.7
0°-90°	2177.1	37.1	35.1
90°-120°	924.2	15.8	14.9
90°-150°	2813.4	48.0	45.4
90°-180°	3688.0	62.9	59.5
0°-180°	5865.5	100.0	94.6

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1029	1035	1032	1028	1027	97
15°	924	930	935	953	953	260
25°	790	789	789	816	833	365
35°	712	666	637	660	689	435
45°	507	511	522	496	526	392
55°	307	314	337	342	357	285
65°	201	201	193	203	196	200
75°	96	97	100	105	102	102
85°	24	25	28	31	29	27
90°	7	7	8	7	3	8
95°	69	70	71	79	43	78
105°	309	309	316	308	223	326
115°	578	575	560	494	414	571
125°	792	774	741	643	589	708
135°	941	922	865	783	749	725
145°	1024	995	950	903	879	640
155°	1058	1046	1025	987	983	489
165°	1088	1080	1060	1049	1053	307
175°	1089	1089	1086	1083	1084	104
180°	1089	1089	1089	1089	1089	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1035	1035	1035	1035	1035
2.5°	1031	1037	1034	1034	1035
5°	1029	1035	1032	1028	1027
7.5°	1011	1017	1020	1018	1015
10°	984	991	996	1003	998
12.5°	954	961	968	981	977
15°	924	930	935	953	953
17.5°	891	897	901	922	926
20°	855	860	865	889	897
22.5°	822	823	828	853	866
25°	790	789	789	816	833
27.5°	760	754	749	778	799
30°	732	723	711	739	764
32.5°	706	692	673	700	726
35°	712	666	637	660	689
37.5°	682	665	602	619	649
40°	625	626	569	578	609
42.5°	564	569	538	536	567
45°	507	511	522	496	526
47.5°	452	457	483	456	484
50°	400	406	433	417	442
52.5°	351	358	383	379	399
55°	307	314	337	342	357
57.5°	286	274	295	306	316
60°	266	255	256	273	276
62.5°	235	231	222	241	235
65°	201	201	193	203	196
67.5°	170	171	171	171	168
70°	143	143	146	148	146
72.5°	118	119	121	126	124
75°	96	97	100	105	102
77.5°	75	76	80	84	81
80°	56	57	61	65	62
82.5°	40	41	44	48	45
85°	24	25	28	31	29
87.5°	12	13	14	16	15
90°	7	7	8	7	3
92.5°	29	30	31	31	13
95°	69	70	71	79	43
97.5°	116	118	126	136	83
100°	176	180	189	196	127
102.5°	242	245	251	255	174
105°	309	309	316	308	223
107.5°	376	376	382	359	271
110°	443	443	446	408	319



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	512	510	508	453	368
115°	578	575	560	494	414
117.5°	644	638	608	532	460
120°	705	691	653	569	503
122.5°	754	733	699	605	547
125°	792	774	741	643	589
127.5°	831	814	779	680	630
130°	869	853	812	715	670
132.5°	907	890	840	750	709
135°	941	922	865	783	749
137.5°	970	948	886	816	782
140°	993	968	906	848	816
142.5°	1010	985	929	877	849
145°	1024	995	950	903	879
147.5°	1029	1006	970	927	909
150°	1037	1020	989	948	936
152.5°	1048	1034	1008	968	960
155°	1058	1046	1025	987	983
157.5°	1068	1057	1040	1005	1004
160°	1076	1068	1049	1021	1023
162.5°	1085	1078	1055	1035	1039
165°	1088	1080	1060	1049	1053
167.5°	1086	1079	1066	1062	1065
170°	1084	1080	1072	1073	1074
172.5°	1084	1082	1079	1080	1080
175°	1089	1089	1086	1083	1084
177.5°	1095	1093	1088	1085	1086
180°	1089	1089	1089	1089	1089

(END OF REPORT)