

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: 13757

Luminaire Tested: **AZ-WP-2T8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 13757
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: AZ-WP-2T8
Description: CORELITE FLUORESCENT FIXTURE
FULLY PERFORATED UPLIGHT WITH WHITE INTERIOR
Light Source: TWO PHILIPS F32T8/TL841 32 WATT LAMPS. LUMEN RATING = 3000 LMS.
Ballast/Driver: ONE MOTOROLA M2-IN-T8-GP-D-120 BALLAST OPERATING AT 120 VAC AND 58 WATTS

Summary

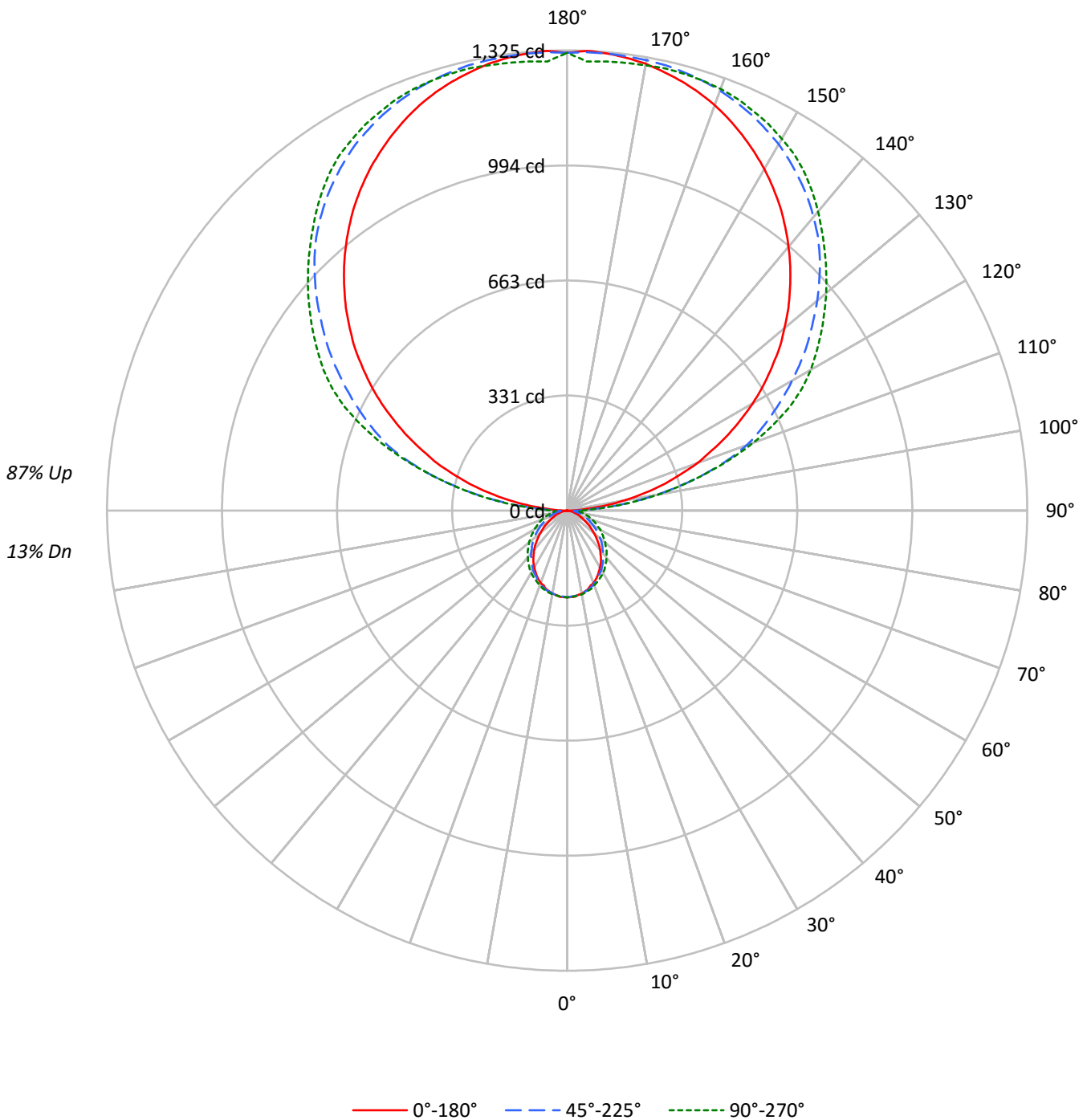
Lumens per Lamp: 3000 (2 lamps)
Luminaire Lumens: 5121.2 lumens
Efficiency: 85.4%
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.23 / 1.28
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 4' x H: 0.25')
CIE Type: Semi-Indirect

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				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	84	84	84	84	73	73	73	73	53	53	53	35	35	35	19	19	19	11
1	76	73	70	67	66	64	61	59	46	45	43	31	30	29	16	16	15	9
2	69	63	58	54	60	55	51	48	41	38	36	27	25	24	14	14	13	7
3	63	56	50	45	55	49	44	40	36	33	30	24	22	20	13	12	11	6
4	58	49	43	38	50	43	38	34	32	28	25	21	19	17	11	10	9	5
5	53	44	37	32	46	38	33	29	28	24	22	19	17	15	10	9	8	5
6	48	39	32	28	42	34	29	25	25	21	19	17	15	13	9	8	7	4
7	45	35	28	24	39	31	25	21	23	19	16	15	13	11	8	7	6	4
8	41	31	25	21	36	28	22	19	21	17	14	14	12	10	8	6	6	3
9	38	28	23	18	33	25	20	17	19	15	13	13	10	9	7	6	5	3
10	36	26	20	16	31	23	18	15	17	14	11	12	9	8	6	5	5	3

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	897	897	897
5°	892	868	868
10°	876	840	843
15°	855	815	812
20°	829	780	780
25°	796	735	747
30°	756	703	719
35°	713	659	682
40°	659	614	644
45°	592	567	609
50°	525	519	571
55°	459	474	534
60°	389	425	500
65°	322	382	460
70°	278	332	427
75°	225	292	389
80°	153	256	350
85°	24	196	325



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	23.5	0.5	0.4
10°-20°	66.3	1.3	1.1
20°-30°	97.5	1.9	1.6
30°-40°	112.4	2.2	1.9
40°-50°	109.7	2.1	1.8
50°-60°	92.9	1.8	1.5
60°-70°	69.1	1.3	1.2
70°-80°	44.6	0.9	0.7
80°-90°	24.3	0.5	0.4
90°-100°	129.5	2.5	2.2
100°-110°	406.2	7.9	6.8
110°-120°	628.0	12.3	10.5
120°-130°	747.1	14.6	12.5
130°-140°	779.3	15.2	13.0
140°-150°	721.2	14.1	12.0
150°-160°	575.9	11.2	9.6
160°-170°	368.0	7.2	6.1
170°-180°	125.7	2.5	2.1
0°-30°	187.2	3.7	3.1
0°-40°	299.7	5.9	5.0
0°-60°	502.3	9.8	8.4
0°-90°	640.3	12.5	10.7
90°-120°	1163.7	22.7	19.4
90°-150°	3411.3	66.6	56.9
90°-180°	4481.0	87.5	74.7
0°-180°	5121.2	100.0	85.4

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	250	250	250	250	250	
5°	249	248	247	246	248	24
15°	234	233	236	237	238	66
25°	207	207	210	217	218	95
35°	170	172	180	188	192	106
45°	124	130	143	155	160	96
55°	80	88	106	119	126	71
65°	43	52	72	87	93	44
75°	20	26	43	57	63	21
85°	1	9	20	32	38	3
90°	8	10	28	33	40	5
95°	57	100	116	131	123	71
105°	283	348	414	444	415	297
115°	507	572	649	725	707	501
125°	719	786	847	904	893	644
135°	908	966	1029	1066	1050	700
145°	1069	1110	1166	1206	1190	668
155°	1193	1217	1257	1287	1269	550
165°	1279	1288	1306	1320	1302	361
175°	1321	1321	1321	1321	1298	126
180°	1318	1318	1318	1318	1318	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	250	250	250	250	250
2.5°	249	249	248	248	249
5°	249	248	247	246	248
7.5°	245	245	246	244	246
10°	243	242	242	242	245
12.5°	238	238	239	239	242
15°	234	233	236	237	238
17.5°	226	228	231	232	235
20°	222	222	225	227	229
22.5°	215	215	219	222	224
25°	207	207	210	217	218
27.5°	198	199	204	210	213
30°	189	191	197	202	207
32.5°	180	181	188	195	200
35°	170	172	180	188	192
37.5°	158	162	170	179	185
40°	148	151	162	172	176
42.5°	136	141	151	163	168
45°	124	130	143	155	160
47.5°	112	119	134	145	150
50°	101	108	124	137	143
52.5°	89	98	115	128	133
55°	80	88	106	119	126
57.5°	68	78	96	111	116
60°	60	69	88	102	110
62.5°	51	60	79	94	100
65°	43	52	72	87	93
67.5°	37	44	64	79	85
70°	31	37	56	71	78
72.5°	24	33	50	64	69
75°	20	26	43	57	63
77.5°	15	22	38	51	54
80°	10	17	32	43	49
82.5°	4	13	26	37	43
85°	1	9	20	32	38
87.5°	0	6	19	26	34
90°	8	10	28	33	40
92.5°	24	44	56	70	67
95°	57	100	116	131	123
97.5°	109	166	187	204	192
100°	166	234	261	281	266
102.5°	224	276	337	357	339
105°	283	348	414	444	415
107.5°	339	398	486	515	493
110°	398	455	551	593	570



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	450	511	600	659	640
115°	507	572	649	725	707
117.5°	562	626	699	772	763
120°	617	678	748	813	810
122.5°	670	736	798	860	851
125°	719	786	847	904	893
127.5°	771	837	892	947	933
130°	817	880	940	986	974
132.5°	864	920	985	1025	1012
135°	908	966	1029	1066	1050
137.5°	951	1008	1069	1108	1087
140°	992	1042	1104	1143	1124
142.5°	1031	1075	1137	1175	1159
145°	1069	1110	1166	1206	1190
147.5°	1103	1142	1193	1231	1217
150°	1136	1170	1218	1254	1236
152.5°	1165	1195	1238	1270	1255
155°	1193	1217	1257	1287	1269
157.5°	1219	1239	1273	1300	1283
160°	1242	1258	1287	1310	1292
162.5°	1262	1274	1298	1317	1298
165°	1279	1288	1306	1320	1302
167.5°	1293	1300	1313	1323	1304
170°	1306	1309	1317	1324	1302
172.5°	1315	1317	1319	1323	1300
175°	1321	1321	1321	1321	1298
177.5°	1325	1324	1321	1319	1294
180°	1318	1318	1318	1318	1318

(END OF REPORT)