

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: ITL67605

Luminaire Tested: **R3-WB-2T5-1C-UNV-24-T1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: ITL67605  
Test Lab: INDEPENDENT TESTING LABORATORIES, INC.  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: R3-WB-2T5-1C-UNV-24-T1  
Description: FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH, TWO FORMED WHITE PAINTED OUTBOARD REFLECTORS, ONE EXTRUDED FROSTED PLASTIC DIFFUSER BELOW EACH REFLECTOR, EXTRUDED CLEAR LINEAR PRISMATIC PLASTIC LENS BELOW LAMPS WITH MOLDED WHITE PLASTIC 83-CELL INTERIOR LOUVER, BOTTOM LENS PRISMS UP AND PARALLEL WITH LAMPS, SIDE PRISMS OUT AND PARALLEL WITH LAMPS, DIFFUSERS FROSTED BOTH SIDES.  
Light Source: TWO 54-WATT T-5 SYLVANIA FP54/841/HO/ECO LINEAR FLUORESCENTS.  
Ballast/Driver: UNIVERSAL B254PUNV-D

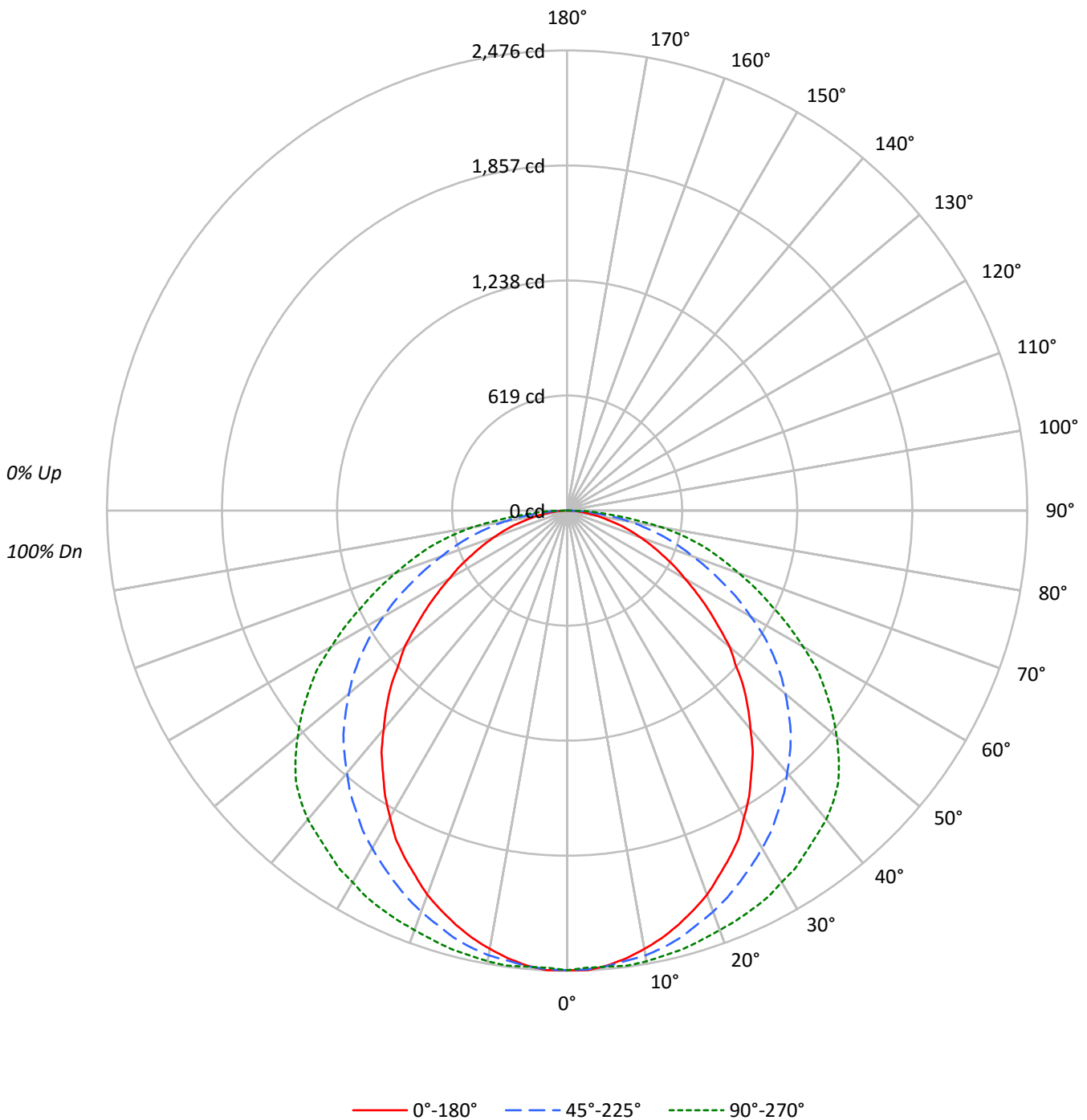
**Summary**

Lumens per Lamp: 4450 (2 lamps)  
Luminaire Lumens: 7298.9 lumens  
Efficiency: 82.0%  
Efficacy: 63.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.4 / 1.41  
Luminous Opening: Rectangular (W 1.8' x L: 3.91' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 114.3  
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	98	98	98	98	95	95	95	95	91	91	91	87	87	87	84	84	84	82				82
1	89	85	81	78	87	83	80	77	79	77	74	76	74	72	73	71	70	68				68
2	81	74	68	63	78	72	67	62	69	65	61	66	63	59	64	61	58	56				56
3	73	65	58	52	71	63	57	52	61	55	51	58	54	50	56	52	49	47				47
4	67	57	50	44	65	56	49	44	54	48	43	52	47	43	50	46	42	40				40
5	62	51	43	38	60	50	43	38	48	42	37	47	41	37	45	40	36	35				35
6	57	46	38	33	55	45	38	33	43	37	32	42	36	32	41	36	32	30				30
7	53	41	34	29	51	41	34	29	39	33	29	38	33	28	37	32	28	27				27
8	49	38	31	26	48	37	30	26	36	30	26	35	30	25	34	29	25	24				24
9	46	35	28	23	45	34	28	23	33	27	23	32	27	23	31	26	23	21				21
10	43	32	25	21	42	32	25	21	31	25	21	30	25	21	29	24	21	19				19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3792	3792	3792
5°	3784	3787	3792
10°	3729	3784	3834
15°	3664	3772	3872
20°	3590	3749	3920
25°	3492	3726	4002
30°	3373	3715	4089
35°	3233	3703	4197
40°	3073	3687	4344
45°	2913	3693	4476
50°	2722	3657	4516
55°	2476	3617	4542
60°	2242	3500	4496
65°	2050	3360	4405
70°	1870	3219	4394
75°	1677	3170	4562
80°	1439	3038	4575
85°	1126	2481	3730



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	233.9	3.2	2.6
10°-20°	669.8	9.2	7.5
20°-30°	1019.3	14.0	11.5
30°-40°	1242.0	17.0	14.0
40°-50°	1310.0	17.9	14.7
50°-60°	1188.7	16.3	13.4
60°-70°	905.0	12.4	10.2
70°-80°	558.5	7.7	6.3
80°-90°	171.8	2.4	1.9
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	1923.0	26.3	21.6
0°-40°	3165.0	43.4	35.6
0°-60°	5663.7	77.6	63.6
0°-90°	7298.9	100.0	82.0
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	7298.9	100.0	82.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2473	2473	2473	2473	2473	
5°	2458	2462	2460	2464	2463	233
15°	2308	2326	2376	2416	2439	650
25°	2064	2112	2202	2312	2365	950
35°	1727	1813	1978	2165	2242	1081
45°	1343	1449	1703	1957	2064	1032
55°	926	1056	1353	1598	1699	830
65°	565	681	926	1153	1214	564
75°	283	360	535	701	770	300
85°	64	101	141	188	212	77
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2473	2473	2473	2473	2473
2.5°	2476	2476	2471	2464	2462
5°	2458	2462	2460	2464	2463
7.5°	2430	2432	2443	2462	2470
10°	2395	2406	2430	2456	2462
12.5°	2356	2365	2406	2436	2450
15°	2308	2326	2376	2416	2439
17.5°	2255	2283	2334	2394	2420
20°	2200	2235	2297	2367	2402
22.5°	2130	2179	2253	2340	2385
25°	2064	2112	2202	2312	2365
27.5°	1995	2048	2151	2281	2343
30°	1905	1966	2098	2241	2309
32.5°	1822	1893	2045	2202	2283
35°	1727	1813	1978	2165	2242
37.5°	1641	1725	1917	2111	2204
40°	1535	1639	1842	2064	2170
42.5°	1440	1542	1774	2014	2121
45°	1343	1449	1703	1957	2064
47.5°	1230	1359	1617	1882	1983
50°	1141	1254	1533	1794	1893
52.5°	1027	1162	1448	1703	1800
55°	926	1056	1353	1598	1699
57.5°	826	959	1255	1499	1597
60°	731	858	1141	1385	1466
62.5°	651	767	1041	1269	1344
65°	565	681	926	1153	1214
67.5°	491	592	824	1027	1101
70°	417	513	718	920	980
72.5°	353	430	627	801	873
75°	283	360	535	701	770
77.5°	213	291	435	601	650
80°	163	226	344	472	518
82.5°	108	164	244	336	350
85°	64	101	141	188	212
87.5°	28	42	67	110	121
90°	0	0	0	0	0

(END OF REPORT)