

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: 23301

Luminaire Tested: **R2-WB-1T5-22**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 23301  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: R2-WB-1T5-22  
Description: WITH WHITE INTERIOR AND CLEAR LINEAR PRISMATIC PLASTIC LENS WITH  
WHITE BAFFLE  
Light Source: ONE SYLVANIA 24 WATT T5HO LAMP  
  
FP24/841. LUMEN RATING = 1750 LMS.  
  
Ballast/Driver: -

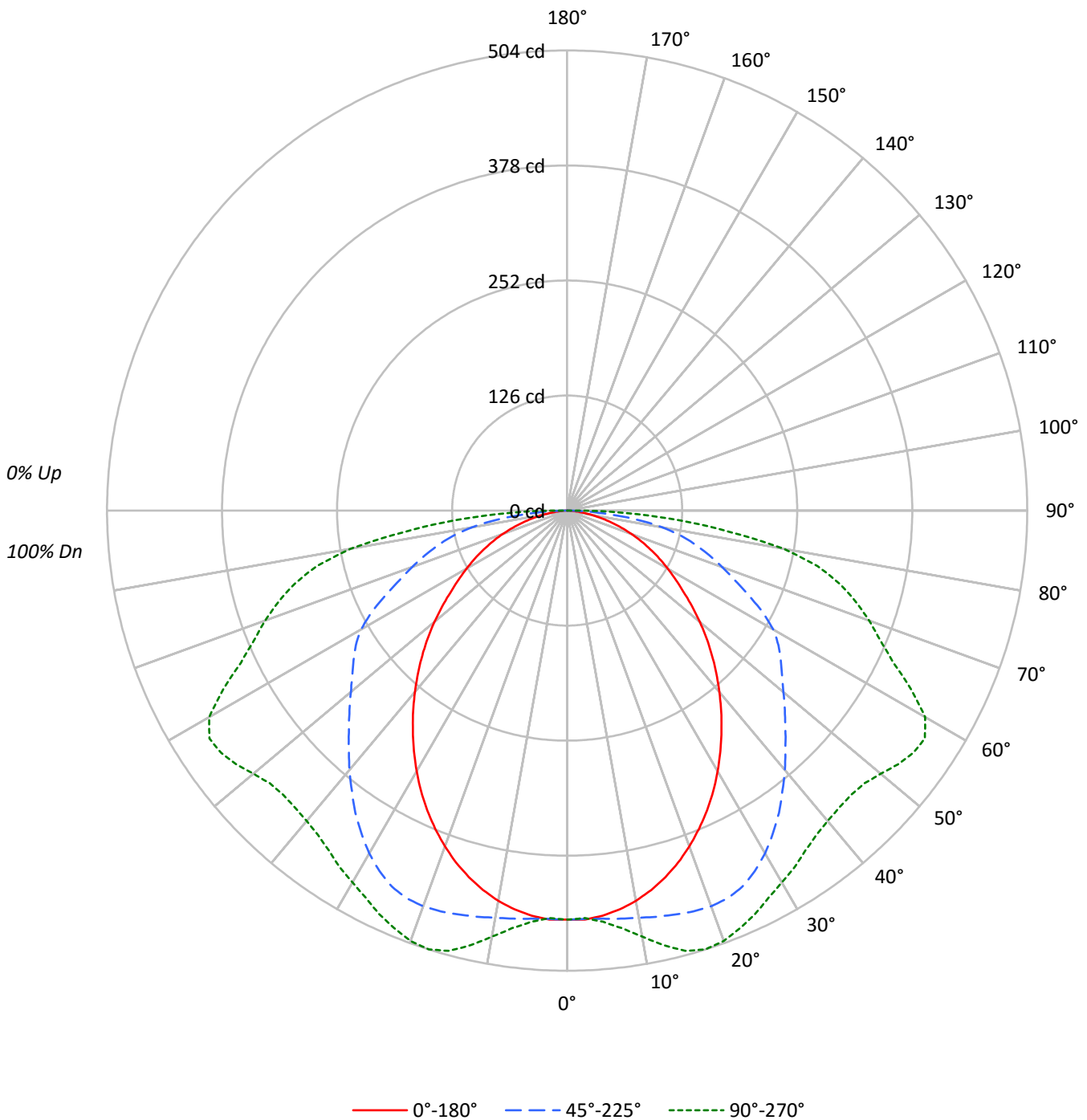
**Summary**

Lumens per Lamp: 1750 (1 lamp)  
Luminaire Lumens: 1599.4 lumens  
Efficiency: 91.4%  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.53 / 1.48  
Luminous Opening: Rectangular (W 1.95' x L: 1.91' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 17  
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	109	109	109	109	106	106	106	106	102	102	102	97	97	97	93	93	93	91
1	98	93	88	84	95	91	86	83	87	83	80	83	80	78	80	77	75	73
2	88	80	73	67	85	78	71	66	74	69	64	71	67	63	69	65	61	59
3	80	69	61	54	77	68	60	54	65	58	53	62	57	52	60	55	51	49
4	73	61	52	45	70	59	51	45	57	50	44	55	49	44	53	48	43	41
5	67	54	45	39	64	53	45	38	51	44	38	49	43	38	47	42	37	35
6	61	48	40	33	59	47	39	33	46	38	33	44	38	33	43	37	32	30
7	57	44	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
8	53	40	32	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24
9	49	36	29	23	48	36	28	23	35	28	23	34	27	23	33	27	23	21
10	46	34	26	21	45	33	26	21	32	25	21	31	25	21	30	25	21	19

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

	0°	45°	90°
0°	1295	1295	1295
5°	1292	1302	1312
10°	1274	1329	1390
15°	1243	1370	1494
20°	1203	1418	1542
25°	1155	1449	1554
30°	1100	1447	1569
35°	1039	1426	1604
40°	978	1399	1674
45°	917	1381	1798
50°	853	1390	2016
55°	786	1439	2331
60°	735	1507	2617
65°	688	1499	2696
70°	634	1525	2974
75°	557	1634	3447
80°	444	1772	4003
85°	295	1519	4112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	43.0	2.7	2.5
10°-20°	129.3	8.1	7.4
20°-30°	201.0	12.6	11.5
30°-40°	242.6	15.2	13.9
40°-50°	258.7	16.2	14.8
50°-60°	262.9	16.4	15.0
60°-70°	229.0	14.3	13.1
70°-80°	169.1	10.6	9.7
80°-90°	63.7	4.0	3.6
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°	373.3	23.3	21.3
0°-40°	615.9	38.5	35.2
0°-60°	1137.5	71.1	65.0
0°-90°	1599.4	100.0	91.4
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°	1599.4	100.0	91.4

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	445	447	449	451	452	42
15°	416	427	458	489	499	117
25°	362	389	454	479	487	167
35°	295	336	404	436	455	184
45°	224	263	338	403	440	173
55°	156	185	286	398	463	140
65°	101	119	219	333	394	100
75°	50	67	146	254	309	53
85°	9	18	46	94	124	11
90°	0	0	3	11	17	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	448.0	448.0	448.0	448.0	448.0
2.5°	448.3	448.7	447.6	447.0	446.7
5°	445.4	446.7	448.7	451.2	452.1
7.5°	440.6	443.5	450.8	457.9	461.3
10°	434.0	439.7	452.8	467.8	473.7
12.5°	425.7	434.1	455.6	478.3	487.5
15°	415.6	427.0	457.9	489.0	499.2
17.5°	404.3	418.5	460.4	494.7	503.9
20°	391.3	409.9	461.1	494.2	501.5
22.5°	377.3	399.6	459.5	488.0	495.0
25°	362.3	388.6	454.4	479.4	487.4
27.5°	346.5	376.4	445.2	468.7	477.9
30°	329.7	363.6	433.6	457.2	470.3
32.5°	312.4	350.6	419.4	446.7	463.3
35°	294.6	335.7	404.3	436.3	454.7
37.5°	277.1	319.2	387.3	425.3	448.1
40°	259.3	301.3	370.9	415.5	443.8
42.5°	241.8	282.8	353.9	408.3	441.1
45°	224.4	263.4	338.0	402.6	440.0
47.5°	207.1	243.7	323.3	398.3	441.9
50°	189.7	223.6	309.2	396.4	448.4
52.5°	172.5	203.7	296.6	397.3	456.6
55°	155.9	184.9	285.5	398.1	462.7
57.5°	141.0	166.8	274.5	394.5	464.5
60°	127.2	149.8	260.8	382.8	452.7
62.5°	113.9	133.7	241.8	360.2	425.0
65°	100.6	118.7	219.2	333.4	394.3
67.5°	87.6	105.1	198.5	310.8	371.0
70°	75.0	92.0	180.5	292.7	352.0
72.5°	62.3	79.5	163.2	274.9	331.3
75°	49.9	67.1	146.3	253.9	308.7
77.5°	37.8	55.4	127.9	229.3	280.9
80°	26.7	43.9	106.5	195.9	240.5
82.5°	17.1	31.6	78.9	146.4	180.5
85°	8.9	17.9	45.8	93.6	124.0
87.5°	2.8	5.4	18.7	48.1	65.6
90°	0.0	0.1	3.2	10.9	16.8

(END OF REPORT)