

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: ITL67592

Luminaire Tested: **R3-WB-2T8-1C-UNV-24-T1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: ITL67592  
Test Lab: INDEPENDENT TESTING LABORATORIES, INC.  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: R3-WB-2T8-1C-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 32-WATT T-8 FO32/835 LINEAR FLUORESCENTS.  
Ballast/Driver: GE GE-232-MV-N

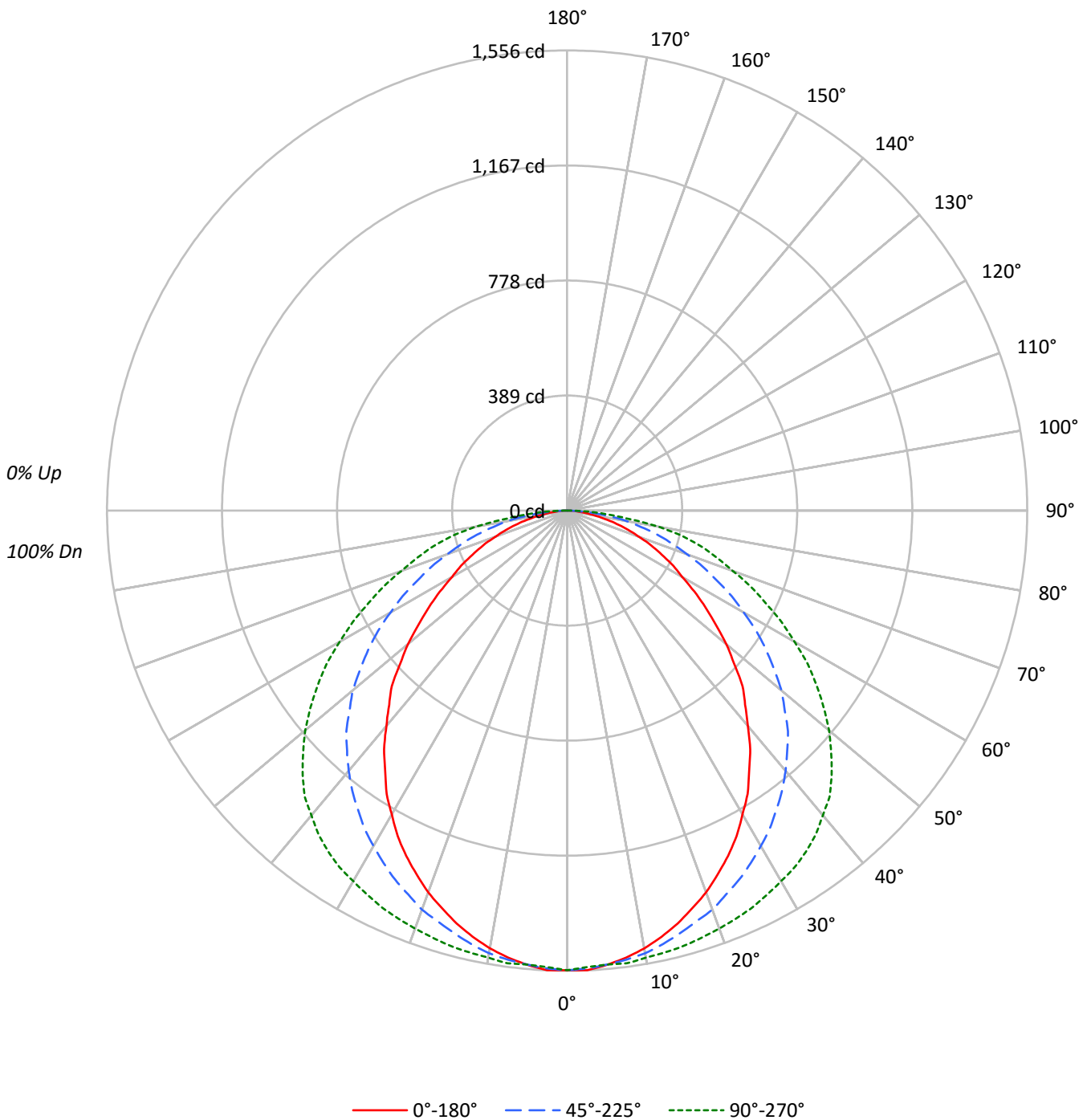
**Summary**

Lumens per Lamp: 2950 (2 lamps)  
Luminaire Lumens: 4495.8 lumens  
Efficiency: 76.2%  
Efficacy: 82.2 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.4 / 1.4  
Luminous Opening: Rectangular (W 1.8' x L: 3.91' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 54.7  
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	91	91	91	91	89	89	89	89	85	85	85	81	81	81	78	78	78	76
1	83	79	76	73	81	77	74	71	74	71	69	71	69	67	68	67	65	63
2	75	69	63	59	73	67	62	58	64	60	57	62	58	55	60	57	54	53
3	68	60	54	49	66	59	53	48	57	52	47	55	50	47	53	49	46	44
4	63	53	46	41	61	52	46	41	50	45	40	48	44	40	47	43	39	38
5	57	48	41	35	56	47	40	35	45	39	35	43	38	34	42	38	34	32
6	53	43	36	31	52	42	35	31	41	35	30	39	34	30	38	34	30	28
7	49	39	32	27	48	38	32	27	37	31	27	36	31	27	35	30	27	25
8	46	35	29	24	45	35	29	24	34	28	24	33	28	24	32	27	24	22
9	43	32	26	22	42	32	26	22	31	26	22	30	25	22	29	25	21	20
10	40	30	24	20	39	29	24	20	29	23	20	28	23	20	27	23	19	18

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

	0°	45°	90°
0°	2383	2383	2383
5°	2374	2372	2372
10°	2340	2367	2390
15°	2294	2348	2420
20°	2242	2343	2454
25°	2179	2330	2506
30°	2100	2320	2562
35°	2009	2310	2636
40°	1904	2300	2693
45°	1820	2290	2743
50°	1677	2257	2758
55°	1527	2195	2751
60°	1377	2116	2724
65°	1281	2021	2689
70°	1157	1928	2672
75°	1025	1872	2785
80°	848	1802	2782
85°	651	1425	2235



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	146.5	3.3	2.5
10°-20°	418.5	9.3	7.1
20°-30°	636.2	14.2	10.8
30°-40°	775.1	17.2	13.1
40°-50°	809.7	18.0	13.7
50°-60°	724.3	16.1	12.3
60°-70°	549.6	12.2	9.3
70°-80°	336.3	7.5	5.7
80°-90°	99.6	2.2	1.7
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°	1201.2	26.7	20.4
0°-40°	1976.3	44.0	33.5
0°-60°	3510.3	78.1	59.5
0°-90°	4495.8	100.0	76.2
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°	4495.8	100.0	76.2

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1554	1554	1554	1554	1554	
5°	1542	1542	1541	1542	1541	146
15°	1445	1455	1479	1510	1524	407
25°	1288	1314	1377	1446	1481	592
35°	1073	1129	1234	1356	1408	672
45°	839	901	1056	1200	1265	641
55°	571	651	821	967	1029	511
65°	353	418	557	696	741	351
75°	173	217	316	422	470	184
85°	37	60	81	110	127	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1554	1554	1554	1554	1554
2.5°	1556	1552	1550	1546	1545
5°	1542	1542	1541	1542	1541
7.5°	1525	1525	1532	1541	1544
10°	1503	1505	1520	1531	1535
12.5°	1476	1481	1501	1520	1530
15°	1445	1455	1479	1510	1524
17.5°	1409	1428	1456	1497	1514
20°	1374	1392	1436	1480	1504
22.5°	1331	1357	1405	1463	1493
25°	1288	1314	1377	1446	1481
27.5°	1241	1271	1344	1425	1464
30°	1186	1222	1310	1401	1447
32.5°	1136	1178	1275	1380	1431
35°	1073	1129	1234	1356	1408
37.5°	1017	1072	1194	1323	1381
40°	951	1022	1149	1288	1345
42.5°	891	960	1102	1247	1313
45°	839	901	1056	1200	1265
47.5°	765	843	998	1151	1211
50°	703	778	946	1090	1156
52.5°	633	719	882	1034	1094
55°	571	651	821	967	1029
57.5°	510	591	759	900	965
60°	449	529	690	831	888
62.5°	405	473	627	765	818
65°	353	418	557	696	741
67.5°	308	363	497	620	672
70°	258	312	430	554	596
72.5°	216	263	373	483	532
75°	173	217	316	422	470
77.5°	131	175	256	360	399
80°	96	131	204	284	315
82.5°	63	98	141	195	204
85°	37	60	81	110	127
87.5°	16	23	35	56	59
90°	0	0	0	0	0

(END OF REPORT)