

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P701681

Luminaire Tested: **RX-WO-50LB2750-UNV-24\_5000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701681  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 8/21/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-50LB2750-UNV-24\_5000K  
Description: 2X4 5000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

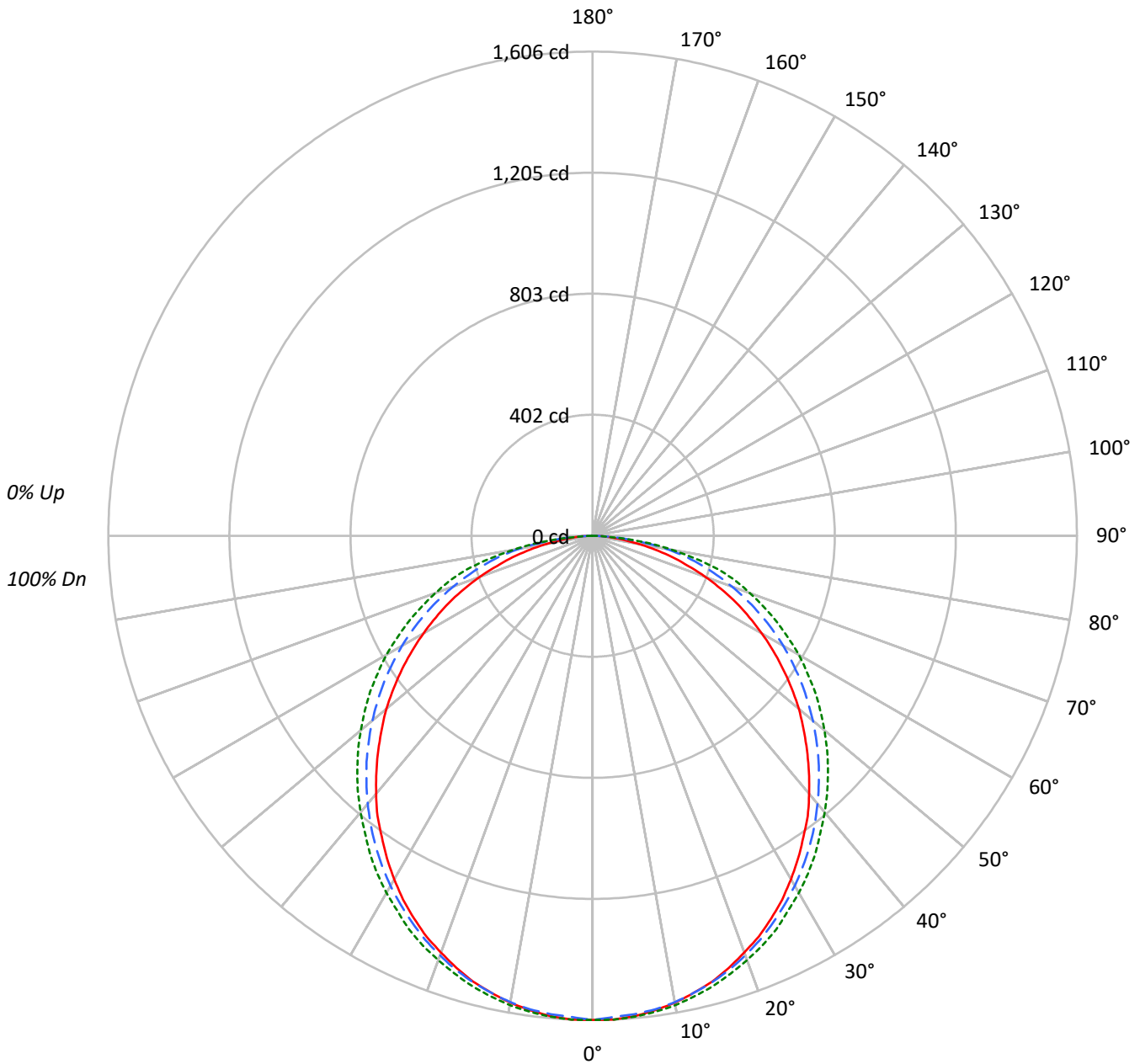
Lumens per Lamp: N/A  
Luminaire Lumens: 4675.0 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68																			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57																			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

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

	0°	45°	90°
0°	2267	2267	2267
5°	2266	2257	2268
10°	2254	2251	2266
15°	2237	2239	2259
20°	2209	2224	2249
25°	2181	2205	2244
30°	2144	2185	2228
35°	2100	2163	2218
40°	2058	2138	2206
45°	2006	2116	2203
50°	1961	2093	2203
55°	1898	2075	2214
60°	1829	2059	2229
65°	1756	2041	2247
70°	1640	2025	2287
75°	1493	2030	2358
80°	1235	2008	2171
85°	946	1595	1542



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.9	3.2
10°-20°	433.6	9.3
20°-30°	654.1	14.0
30°-40°	785.3	16.8
40°-50°	816.7	17.5
50°-60°	751.1	16.1
60°-70°	598.6	12.8
70°-80°	379.3	8.1
80°-90°	104.3	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1239.6	26.5
0°-40°	2024.9	43.3
0°-60°	3592.7	76.8
0°-90°	4675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4675.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1599	1599	1593	1601	1601	152
15°	1531	1531	1533	1544	1546	431
25°	1401	1407	1416	1436	1441	645
35°	1219	1232	1256	1279	1287	763
45°	1005	1027	1060	1094	1104	776
55°	771	796	843	885	900	689
65°	526	553	611	658	673	518
75°	274	309	372	419	432	288
85°	58	84	98	97	95	70
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1606.1	1606.1	1606.1	1606.1	1606.1
2.5°	1606.1	1606.1	1597.8	1606.1	1606.1
5°	1599.4	1599.4	1592.8	1601.1	1601.1
7.5°	1587.7	1589.4	1584.4	1592.8	1592.8
10°	1572.7	1574.4	1571.0	1581.1	1581.1
12.5°	1552.7	1554.4	1552.7	1564.4	1564.4
15°	1531.0	1531.0	1532.6	1544.3	1546.0
17.5°	1502.6	1505.9	1509.3	1522.6	1522.6
20°	1470.9	1475.9	1480.9	1497.6	1497.6
22.5°	1439.2	1444.2	1450.8	1467.5	1470.9
25°	1400.8	1407.4	1415.8	1435.8	1440.8
27.5°	1360.7	1365.7	1379.1	1400.8	1402.4
30°	1315.6	1324.0	1340.7	1362.4	1367.4
32.5°	1268.9	1280.5	1298.9	1324.0	1329.0
35°	1218.8	1232.1	1255.5	1278.9	1287.2
37.5°	1172.0	1182.0	1208.8	1235.5	1240.5
40°	1116.9	1132.0	1160.3	1190.4	1197.1
42.5°	1061.8	1078.5	1110.3	1140.3	1152.0
45°	1005.1	1026.8	1060.2	1093.6	1103.6
47.5°	948.3	971.7	1006.7	1043.5	1055.2
50°	893.2	914.9	953.3	991.7	1003.4
52.5°	831.4	856.5	898.2	940.0	951.6
55°	771.3	796.4	843.1	884.9	899.9
57.5°	709.6	737.9	786.4	829.8	843.1
60°	647.8	677.8	729.6	773.0	789.7
62.5°	586.0	614.4	671.2	714.6	729.6
65°	525.9	552.6	611.1	657.8	672.8
67.5°	460.8	490.8	551.0	599.4	612.7
70°	397.4	427.4	490.8	540.9	554.3
72.5°	332.2	367.3	430.7	479.2	497.5
75°	273.8	308.9	372.3	419.1	432.4
77.5°	212.0	247.1	312.2	345.6	347.3
80°	151.9	192.0	247.1	260.5	267.1
82.5°	100.2	138.6	170.3	187.0	187.0
85°	58.4	83.5	98.5	96.8	95.2
87.5°	21.7	28.4	23.4	16.7	11.7
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)