

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: P701678

Luminaire Tested: **RX-WO-50LB2750-UNV-24_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701678
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_3000K
Description: 2X4 5000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

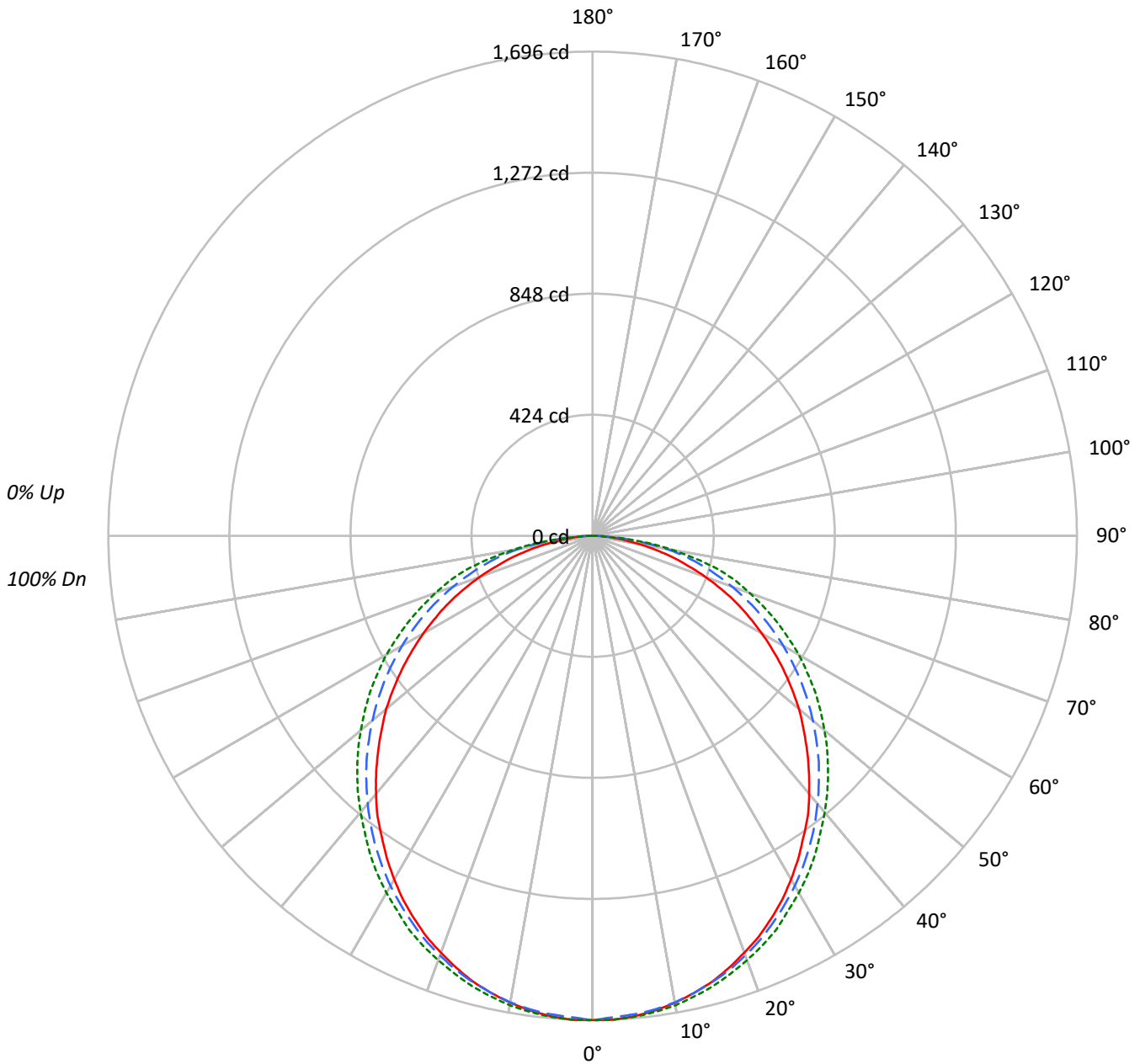
Lumens per Lamp: N/A
Luminaire Lumens: 4938.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): 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°	2394	2394	2394
5°	2393	2384	2396
10°	2381	2378	2393
15°	2363	2365	2386
20°	2333	2349	2376
25°	2304	2329	2370
30°	2265	2308	2354
35°	2218	2285	2342
40°	2174	2258	2329
45°	2119	2235	2327
50°	2072	2211	2327
55°	2005	2191	2339
60°	1931	2175	2354
65°	1855	2155	2373
70°	1732	2140	2416
75°	1577	2145	2490
80°	1304	2121	2294
85°	999	1684	1627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	3.2
10°-20°	458.0	9.3
20°-30°	690.9	14.0
30°-40°	829.5	16.8
40°-50°	862.7	17.5
50°-60°	793.4	16.1
60°-70°	632.3	12.8
70°-80°	400.7	8.1
80°-90°	110.2	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°	1309.3	26.5
0°-40°	2138.8	43.3
0°-60°	3794.8	76.8
0°-90°	4938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1696	1696	1696	1696	1696	
5°	1689	1689	1682	1691	1691	160
15°	1617	1617	1619	1631	1633	456
25°	1480	1487	1495	1517	1522	681
35°	1287	1301	1326	1351	1360	806
45°	1062	1084	1120	1155	1166	820
55°	815	841	891	935	950	728
65°	556	584	645	695	711	548
75°	289	326	393	443	457	304
85°	62	88	104	102	100	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1696.5	1696.5	1696.5	1696.5	1696.5
2.5°	1696.5	1696.5	1687.6	1696.5	1696.5
5°	1689.4	1689.4	1682.4	1691.2	1691.2
7.5°	1677.1	1678.8	1673.5	1682.4	1682.4
10°	1661.2	1663.0	1659.4	1670.0	1670.0
12.5°	1640.0	1641.8	1640.0	1652.4	1652.4
15°	1617.1	1617.1	1618.9	1631.2	1633.0
17.5°	1587.1	1590.7	1594.2	1608.3	1608.3
20°	1553.6	1558.9	1564.2	1581.8	1581.8
22.5°	1520.1	1525.4	1532.5	1550.1	1553.6
25°	1479.6	1486.6	1495.4	1516.6	1521.9
27.5°	1437.2	1442.5	1456.6	1479.6	1481.3
30°	1389.6	1398.4	1416.1	1439.0	1444.3
32.5°	1340.2	1352.6	1372.0	1398.4	1403.7
35°	1287.3	1301.4	1326.1	1350.8	1359.6
37.5°	1238.0	1248.5	1276.8	1305.0	1310.3
40°	1179.8	1195.6	1225.6	1257.4	1264.4
42.5°	1121.6	1139.2	1172.7	1204.5	1216.8
45°	1061.6	1084.5	1119.8	1155.1	1165.7
47.5°	1001.7	1026.3	1063.4	1102.2	1114.5
50°	943.5	966.4	1006.9	1047.5	1059.8
52.5°	878.2	904.7	948.8	992.8	1005.2
55°	814.7	841.2	890.6	934.6	950.5
57.5°	749.5	779.5	830.6	876.4	890.6
60°	684.2	716.0	770.6	816.5	834.1
62.5°	619.0	649.0	708.9	754.8	770.6
65°	555.5	583.7	645.4	694.8	710.7
67.5°	486.7	518.5	581.9	633.1	647.2
70°	419.7	451.5	518.5	571.4	585.5
72.5°	350.9	388.0	455.0	506.1	525.5
75°	289.2	326.2	393.3	442.6	456.7
77.5°	224.0	261.0	329.8	365.0	366.8
80°	160.5	202.8	261.0	275.1	282.2
82.5°	105.8	146.4	179.9	197.5	197.5
85°	61.7	88.2	104.0	102.3	100.5
87.5°	22.9	30.0	24.7	17.6	12.3
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)