

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: P701551

Luminaire Tested: **RX-WO-44LB2750-UNV-14\_5000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 8/21/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-44LB2750-UNV-14\_5000K  
Description: 1X4 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

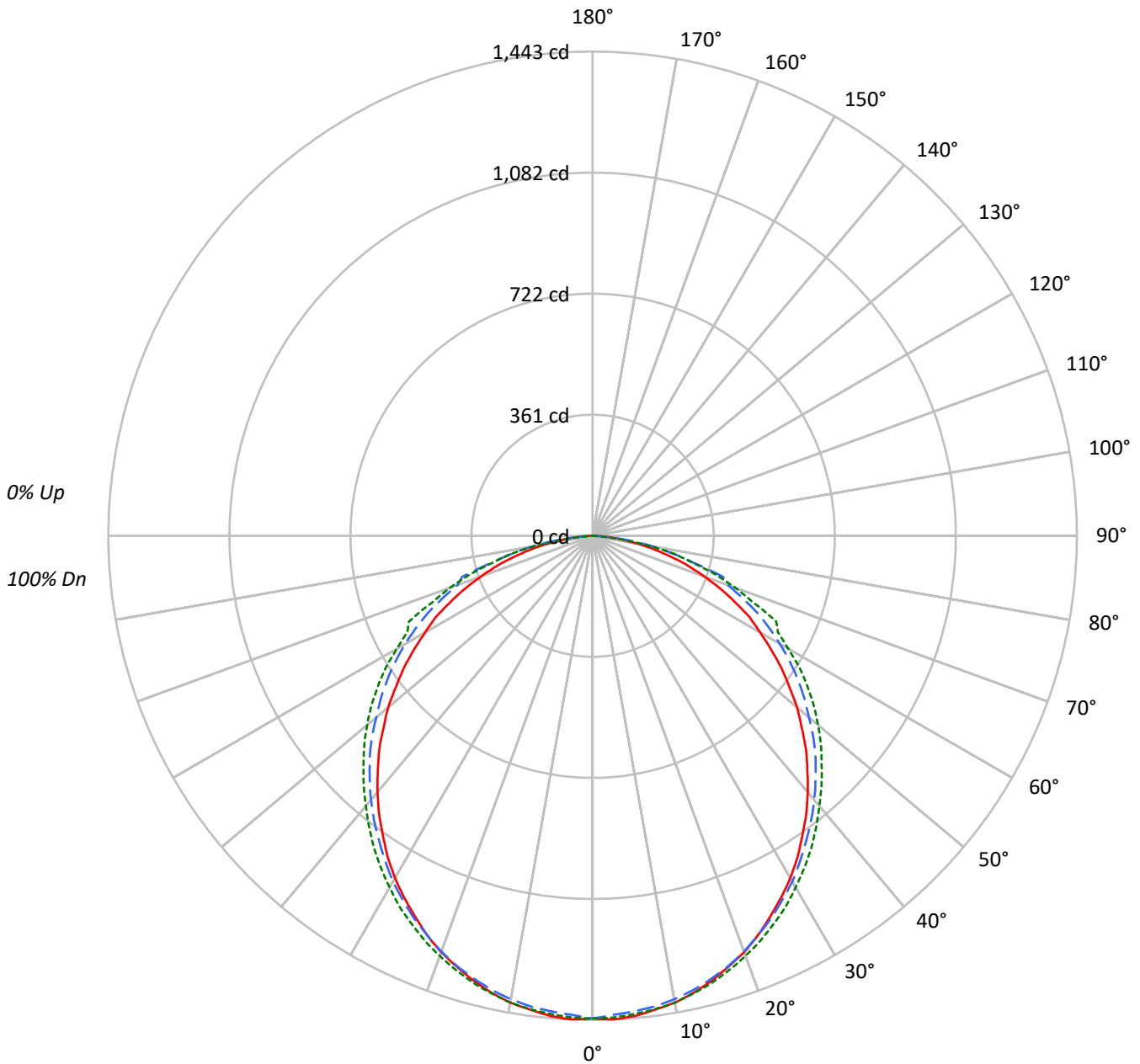
Lumens per Lamp: N/A  
Luminaire Lumens: 4091.0 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 36  
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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83																			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43																			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33																			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

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

	0°	45°	90°
0°	4061	4061	4061
5°	4071	4031	4054
10°	4049	4020	4049
15°	4011	3994	4029
20°	3966	3960	4003
25°	3900	3919	3975
30°	3839	3879	3944
35°	3755	3824	3914
40°	3675	3786	3875
45°	3589	3749	3853
50°	3490	3692	3851
55°	3377	3674	3841
60°	3251	3637	3795
65°	3123	3605	4034
70°	2915	3527	3726
75°	2626	3414	3348
80°	2219	2936	2773
85°	1626	1428	521



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.9	3.3
10°-20°	387.3	9.5
20°-30°	582.1	14.2
30°-40°	696.4	17.0
40°-50°	722.0	17.6
50°-60°	662.1	16.2
60°-70°	526.7	12.9
70°-80°	312.9	7.6
80°-90°	65.6	1.6
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°	1105.3	27.0
0°-40°	1801.7	44.0
0°-60°	3185.8	77.9
0°-90°	4091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4091.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1439	1439	1439	1439	1439	
5°	1437	1433	1423	1433	1431	136
15°	1373	1371	1367	1379	1379	387
25°	1252	1254	1258	1276	1276	577
35°	1090	1096	1110	1132	1136	682
45°	899	913	939	959	965	692
55°	686	710	746	777	781	613
65°	468	496	540	562	604	463
75°	241	275	313	311	307	256
85°	50	62	44	24	16	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1438.8	1438.8	1438.8	1438.8	1438.8
2.5°	1442.8	1438.8	1428.8	1438.8	1436.8
5°	1436.8	1432.8	1422.8	1432.8	1430.8
7.5°	1424.8	1422.8	1414.7	1424.8	1422.8
10°	1412.7	1408.7	1402.7	1412.7	1412.7
12.5°	1394.7	1390.7	1386.6	1398.7	1396.7
15°	1372.6	1370.6	1366.6	1378.6	1378.6
17.5°	1346.5	1346.5	1344.5	1356.5	1356.5
20°	1320.4	1318.4	1318.4	1332.5	1332.5
22.5°	1288.3	1288.3	1288.3	1306.4	1306.4
25°	1252.2	1254.2	1258.2	1276.3	1276.3
27.5°	1216.1	1220.1	1224.1	1242.2	1246.2
30°	1177.9	1179.9	1190.0	1208.0	1210.1
32.5°	1135.8	1139.8	1149.8	1169.9	1173.9
35°	1089.6	1095.7	1109.7	1131.8	1135.8
37.5°	1045.5	1053.5	1069.6	1091.7	1093.7
40°	997.3	1007.4	1027.4	1047.5	1051.5
42.5°	947.2	959.2	983.3	1005.4	1009.4
45°	899.0	913.1	939.1	959.2	965.2
47.5°	844.8	860.9	893.0	917.1	923.1
50°	794.7	810.7	840.8	870.9	876.9
52.5°	738.5	760.5	794.7	824.8	830.8
55°	686.3	710.4	746.5	776.6	780.6
57.5°	630.1	656.2	696.3	724.4	730.4
60°	575.9	604.0	644.2	670.2	672.3
62.5°	527.8	551.8	592.0	616.1	622.1
65°	467.6	495.7	539.8	561.9	604.0
67.5°	411.4	439.5	481.6	555.9	515.7
70°	353.2	385.3	427.4	447.5	451.5
72.5°	299.0	331.1	407.4	385.3	383.3
75°	240.8	274.9	313.0	311.0	307.0
77.5°	186.6	222.7	244.8	246.8	246.8
80°	136.5	180.6	180.6	180.6	170.6
82.5°	88.3	116.4	116.4	100.3	90.3
85°	50.2	62.2	44.1	24.1	16.1
87.5°	18.1	14.0	4.0	4.0	2.0
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)