

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: P701542

Luminaire Tested: **RX-WO-39LB2750-UNV-14\_2700K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701542  
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-39LB2750-UNV-14\_2700K  
Description: 1X4 3900 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

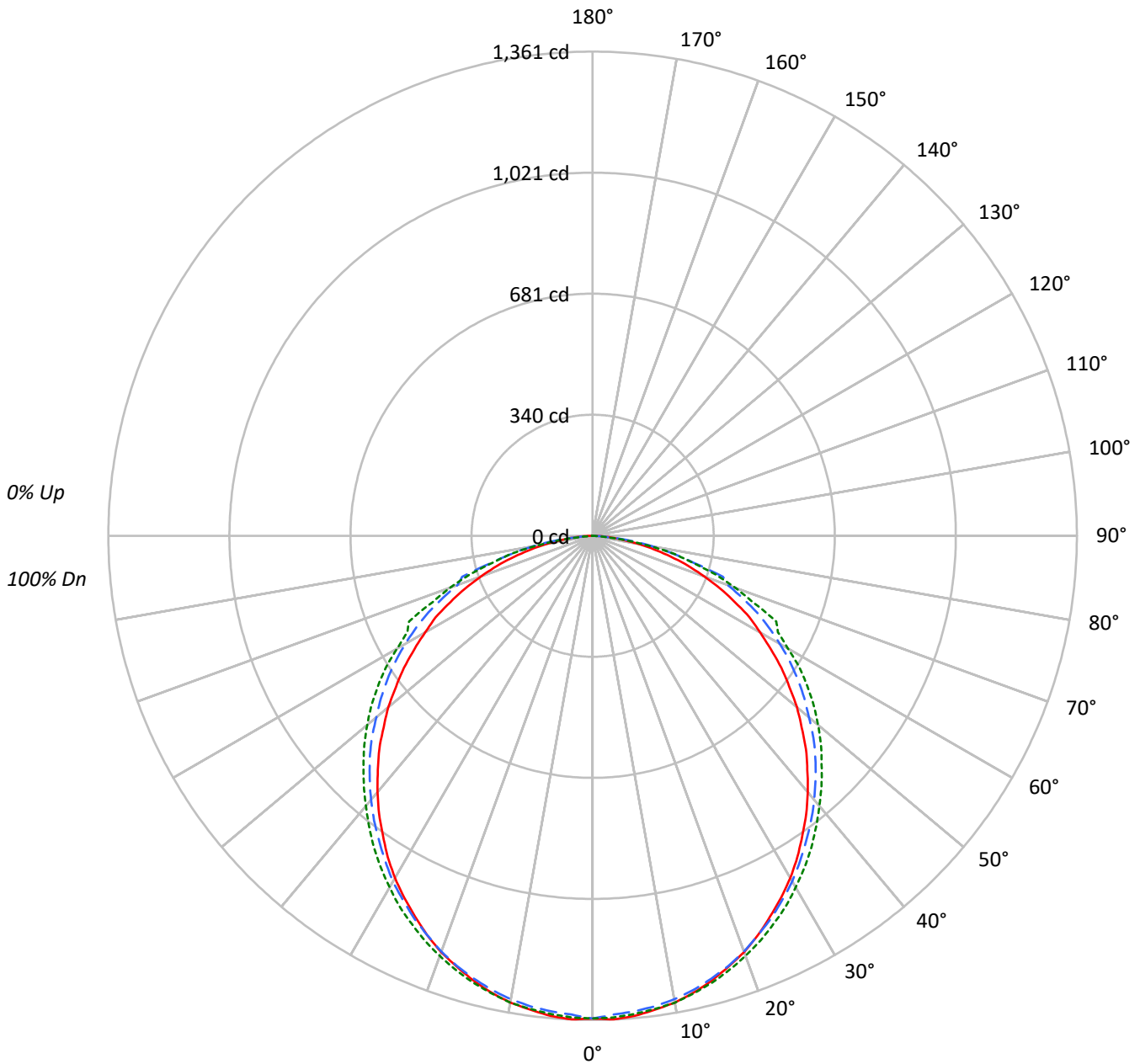
Lumens per Lamp: N/A  
Luminaire Lumens: 3858.0 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 31  
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									
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°	3830	3830	3830
5°	3839	3802	3823
10°	3819	3791	3819
15°	3783	3766	3799
20°	3740	3735	3775
25°	3678	3696	3749
30°	3621	3658	3719
35°	3541	3606	3691
40°	3466	3570	3654
45°	3384	3536	3634
50°	3291	3482	3632
55°	3185	3465	3623
60°	3066	3430	3579
65°	2945	3400	3804
70°	2749	3327	3514
75°	2477	3219	3157
80°	2092	2768	2615
85°	1532	1347	489



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.1	3.3
10°-20°	365.2	9.5
20°-30°	549.0	14.2
30°-40°	656.7	17.0
40°-50°	680.9	17.6
50°-60°	624.4	16.2
60°-70°	496.7	12.9
70°-80°	295.1	7.7
80°-90°	61.9	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°	1042.3	27.0
0°-40°	1699.1	44.0
0°-60°	3004.3	77.9
0°-90°	3858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3858.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1355	1351	1342	1351	1349	129
15°	1294	1292	1289	1300	1300	365
25°	1181	1183	1187	1204	1204	544
35°	1028	1033	1046	1067	1071	643
45°	848	861	886	905	910	653
55°	647	670	704	732	736	578
65°	441	467	509	530	570	437
75°	227	259	295	293	290	241
85°	47	59	42	23	15	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1356.9	1356.9	1356.9	1356.9	1356.9
2.5°	1360.7	1356.9	1347.4	1356.9	1355.0
5°	1355.0	1351.2	1341.7	1351.2	1349.3
7.5°	1343.6	1341.7	1334.2	1343.6	1341.7
10°	1332.3	1328.5	1322.8	1332.3	1332.3
12.5°	1315.2	1311.5	1307.7	1319.0	1317.1
15°	1294.4	1292.5	1288.7	1300.1	1300.1
17.5°	1269.8	1269.8	1267.9	1279.3	1279.3
20°	1245.2	1243.3	1243.3	1256.6	1256.6
22.5°	1214.9	1214.9	1214.9	1232.0	1232.0
25°	1180.9	1182.8	1186.6	1203.6	1203.6
27.5°	1146.8	1150.6	1154.4	1171.4	1175.2
30°	1110.9	1112.7	1122.2	1139.2	1141.1
32.5°	1071.1	1074.9	1084.4	1103.3	1107.1
35°	1027.6	1033.3	1046.5	1067.3	1071.1
37.5°	986.0	993.5	1008.7	1029.5	1031.4
40°	940.5	950.0	968.9	987.8	991.6
42.5°	893.2	904.6	927.3	948.1	951.9
45°	847.8	861.1	885.7	904.6	910.3
47.5°	796.7	811.9	842.1	864.8	870.5
50°	749.4	764.5	792.9	821.3	827.0
52.5°	696.4	717.2	749.4	777.8	783.5
55°	647.2	669.9	704.0	732.4	736.2
57.5°	594.2	618.8	656.7	683.2	688.8
60°	543.1	569.6	607.5	632.1	634.0
62.5°	497.7	520.4	558.3	581.0	586.7
65°	440.9	467.4	509.1	529.9	569.6
67.5°	387.9	414.4	454.2	524.2	486.4
70°	333.1	363.3	403.1	422.0	425.8
72.5°	282.0	312.3	384.2	363.3	361.5
75°	227.1	259.3	295.2	293.3	289.5
77.5°	176.0	210.1	230.9	232.8	232.8
80°	128.7	170.3	170.3	170.3	160.9
82.5°	83.3	109.8	109.8	94.6	85.2
85°	47.3	58.7	41.6	22.7	15.1
87.5°	17.0	13.2	3.8	3.8	1.9
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)