

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: P701547

Luminaire Tested: **RX-WO-44LB2750-UNV-14\_2700K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701547  
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\_2700K  
Description: 1X4 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

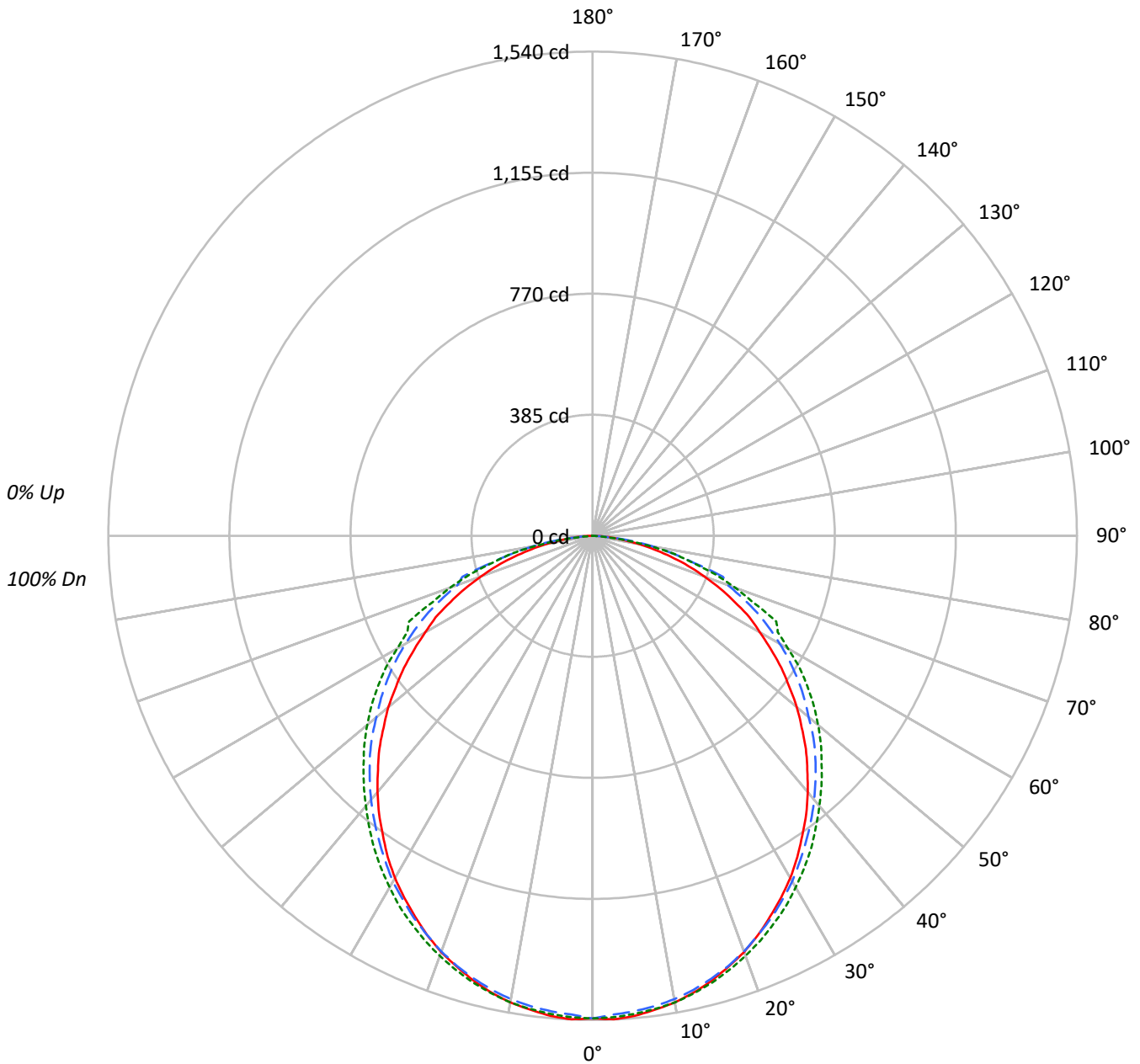
Lumens per Lamp: N/A  
Luminaire Lumens: 4365.0 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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					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	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°	4333	4333	4333
5°	4344	4301	4326
10°	4320	4290	4320
15°	4280	4261	4298
20°	4232	4225	4271
25°	4161	4181	4241
30°	4096	4138	4208
35°	4006	4080	4176
40°	3921	4040	4134
45°	3829	4000	4111
50°	3723	3939	4109
55°	3604	3920	4099
60°	3469	3880	4049
65°	3332	3847	4305
70°	3110	3764	3976
75°	2802	3643	3573
80°	2367	3132	2958
85°	1733	1525	554



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.0	3.3
10°-20°	413.2	9.5
20°-30°	621.1	14.2
30°-40°	743.0	17.0
40°-50°	770.3	17.6
50°-60°	706.4	16.2
60°-70°	562.0	12.9
70°-80°	333.9	7.6
80°-90°	70.0	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°	1179.3	27.0
0°-40°	1922.3	44.0
0°-60°	3399.1	77.9
0°-90°	4365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4365.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1535	1535	1535	1535	1535	
5°	1533	1529	1518	1529	1527	145
15°	1464	1462	1458	1471	1471	413
25°	1336	1338	1342	1362	1362	616
35°	1163	1169	1184	1208	1212	728
45°	959	974	1002	1024	1030	739
55°	732	758	796	829	833	654
65°	499	529	576	600	644	494
75°	257	293	334	332	328	273
85°	54	66	47	26	17	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1535.2	1535.2	1535.2	1535.2	1535.2
2.5°	1539.5	1535.2	1524.5	1535.2	1533.0
5°	1533.0	1528.8	1518.1	1528.8	1526.6
7.5°	1520.2	1518.1	1509.5	1520.2	1518.1
10°	1507.3	1503.1	1496.6	1507.3	1507.3
12.5°	1488.1	1483.8	1479.5	1492.4	1490.2
15°	1464.5	1462.4	1458.1	1470.9	1470.9
17.5°	1436.7	1436.7	1434.6	1447.4	1447.4
20°	1408.9	1406.7	1406.7	1421.7	1421.7
22.5°	1374.6	1374.6	1374.6	1393.9	1393.9
25°	1336.1	1338.2	1342.5	1361.8	1361.8
27.5°	1297.5	1301.8	1306.1	1325.4	1329.6
30°	1256.8	1259.0	1269.7	1289.0	1291.1
32.5°	1211.9	1216.2	1226.9	1248.3	1252.6
35°	1162.6	1169.1	1184.0	1207.6	1211.9
37.5°	1115.5	1124.1	1141.2	1164.8	1166.9
40°	1064.1	1074.8	1096.3	1117.7	1121.9
42.5°	1010.6	1023.5	1049.1	1072.7	1077.0
45°	959.2	974.2	1002.0	1023.5	1029.9
47.5°	901.4	918.5	952.8	978.5	984.9
50°	847.9	865.0	897.1	929.2	935.7
52.5°	787.9	811.5	847.9	880.0	886.4
55°	732.3	758.0	796.5	828.6	832.9
57.5°	672.3	700.1	743.0	772.9	779.4
60°	614.5	644.5	687.3	715.1	717.3
62.5°	563.1	588.8	631.6	657.3	663.7
65°	498.9	528.9	576.0	599.5	644.5
67.5°	438.9	468.9	513.9	593.1	550.3
70°	376.8	411.1	456.1	477.5	481.8
72.5°	319.0	353.3	434.6	411.1	409.0
75°	256.9	293.3	334.0	331.9	327.6
77.5°	199.1	237.7	261.2	263.4	263.4
80°	145.6	192.7	192.7	192.7	182.0
82.5°	94.2	124.2	124.2	107.1	96.4
85°	53.5	66.4	47.1	25.7	17.1
87.5°	19.3	15.0	4.3	4.3	2.1
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)