

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: P701638

Luminaire Tested: **RX-WO-30LB2750-UNV-24\_3000K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701638  
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-30LB2750-UNV-24\_3000K  
Description: 2X4 3000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

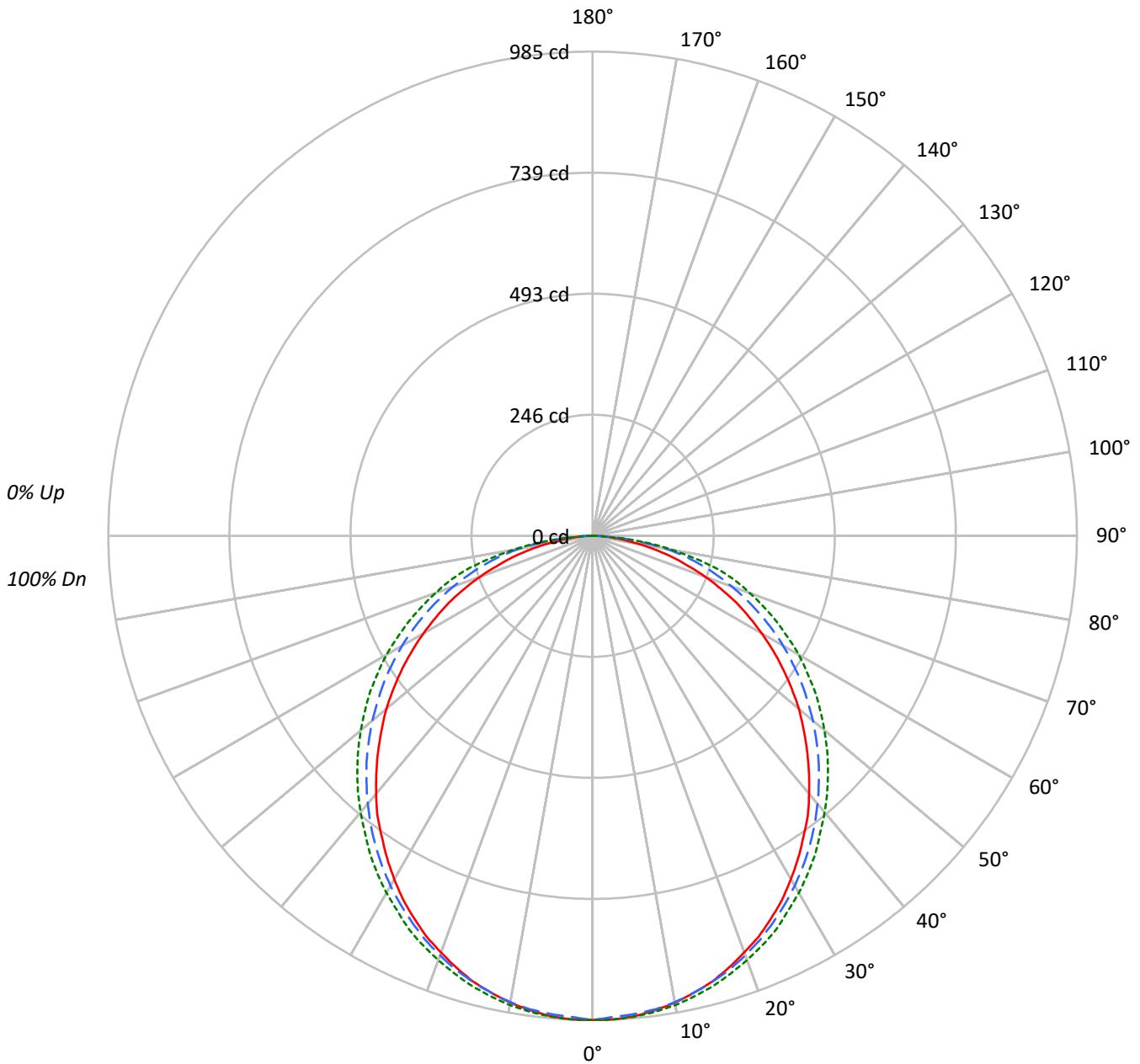
Lumens per Lamp: N/A  
Luminaire Lumens: 2867.0 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 23  
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°	1390	1390	1390
5°	1390	1384	1391
10°	1382	1381	1390
15°	1372	1373	1385
20°	1355	1364	1379
25°	1338	1352	1376
30°	1315	1340	1367
35°	1288	1327	1360
40°	1262	1311	1352
45°	1230	1298	1351
50°	1203	1284	1351
55°	1164	1272	1358
60°	1121	1263	1367
65°	1077	1251	1378
70°	1006	1242	1403
75°	916	1245	1446
80°	757	1231	1331
85°	580	978	946



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.1	3.2
10°-20°	265.9	9.3
20°-30°	401.1	14.0
30°-40°	481.6	16.8
40°-50°	500.9	17.5
50°-60°	460.6	16.1
60°-70°	367.1	12.8
70°-80°	232.6	8.1
80°-90°	64.0	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°	760.2	26.5
0°-40°	1241.8	43.3
0°-60°	2203.3	76.8
0°-90°	2867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2867.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	985	985	985	985	985	
5°	981	981	977	982	982	93
15°	939	939	940	947	948	265
25°	859	863	868	880	884	396
35°	747	756	770	784	789	468
45°	616	630	650	671	677	476
55°	473	488	517	543	552	423
65°	322	339	375	403	413	318
75°	168	189	228	257	265	177
85°	36	51	60	59	58	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	985.0	985.0	985.0	985.0	985.0
2.5°	985.0	985.0	979.8	985.0	985.0
5°	980.9	980.9	976.8	981.9	981.9
7.5°	973.7	974.7	971.7	976.8	976.8
10°	964.5	965.5	963.5	969.6	969.6
12.5°	952.2	953.2	952.2	959.4	959.4
15°	938.9	938.9	939.9	947.1	948.1
17.5°	921.5	923.5	925.6	933.8	933.8
20°	902.0	905.1	908.2	918.4	918.4
22.5°	882.6	885.7	889.7	900.0	902.0
25°	859.0	863.1	868.2	880.5	883.6
27.5°	834.5	837.5	845.7	859.0	860.1
30°	806.8	811.9	822.2	835.5	838.6
32.5°	778.1	785.3	796.6	811.9	815.0
35°	747.4	755.6	770.0	784.3	789.4
37.5°	718.8	724.9	741.3	757.7	760.7
40°	685.0	694.2	711.6	730.0	734.1
42.5°	651.2	661.4	680.9	699.3	706.5
45°	616.4	629.7	650.2	670.6	676.8
47.5°	581.6	595.9	617.4	639.9	647.1
50°	547.8	561.1	584.6	608.2	615.3
52.5°	509.9	525.2	550.8	576.4	583.6
55°	473.0	488.4	517.1	542.7	551.9
57.5°	435.1	452.6	482.2	508.9	517.1
60°	397.3	415.7	447.4	474.1	484.3
62.5°	359.4	376.8	411.6	438.2	447.4
65°	322.5	338.9	374.7	403.4	412.6
67.5°	282.6	301.0	337.9	367.6	375.8
70°	243.7	262.1	301.0	331.7	339.9
72.5°	203.8	225.3	264.2	293.9	305.1
75°	167.9	189.4	228.3	257.0	265.2
77.5°	130.0	151.5	191.5	211.9	213.0
80°	93.2	117.7	151.5	159.7	163.8
82.5°	61.4	85.0	104.4	114.7	114.7
85°	35.8	51.2	60.4	59.4	58.4
87.5°	13.3	17.4	14.3	10.2	7.2
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)