

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: P701659

Luminaire Tested: **RX-WO-40LB2750-UNV-24\_3500K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701659  
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-40LB2750-UNV-24\_3500K  
Description: 2X4 4000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

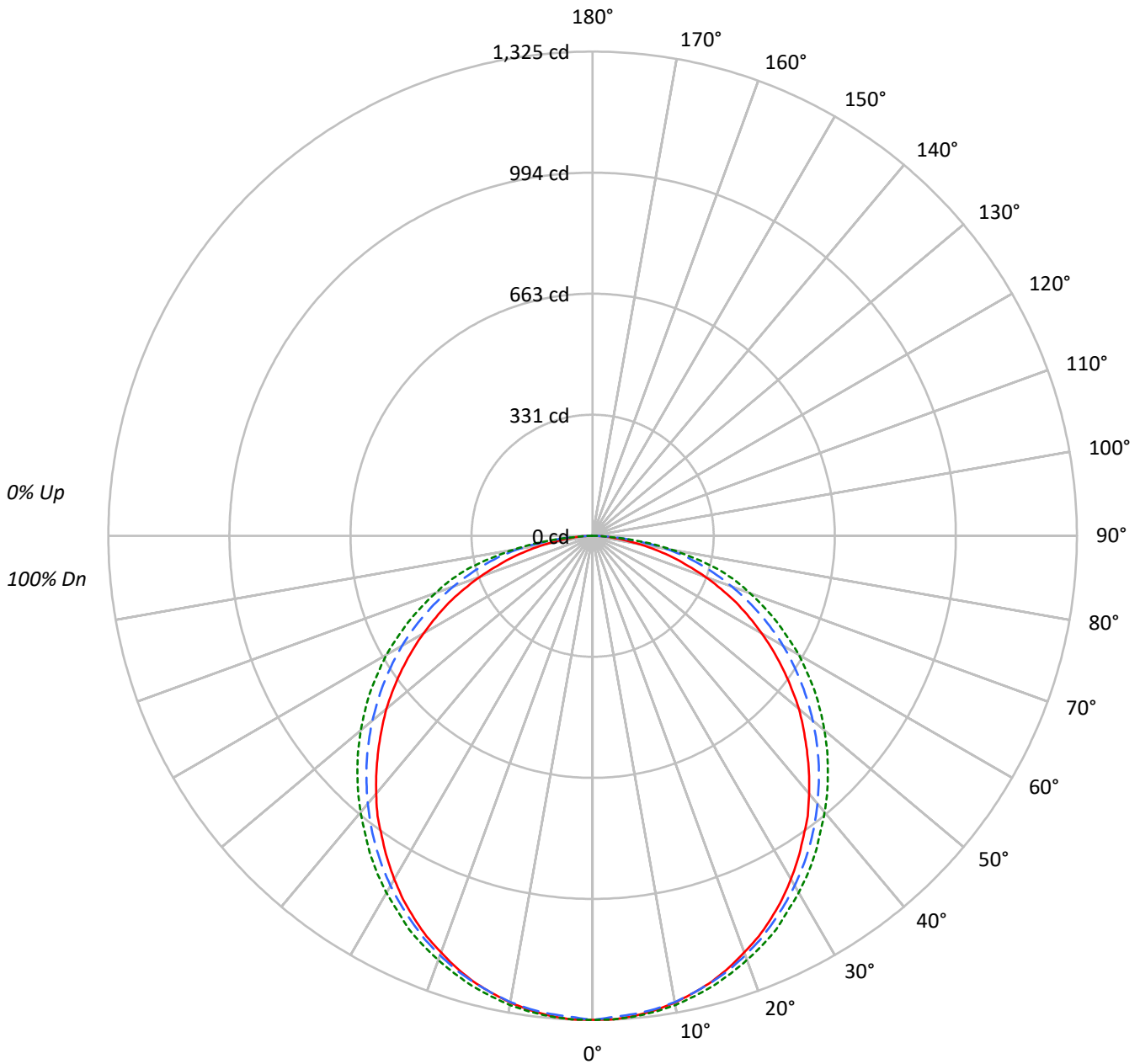
Lumens per Lamp: N/A  
Luminaire Lumens: 3856.0 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 31  
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	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°	1870	1870	1870
5°	1869	1861	1871
10°	1859	1857	1869
15°	1845	1847	1863
20°	1822	1835	1855
25°	1799	1819	1851
30°	1768	1802	1838
35°	1732	1784	1829
40°	1697	1763	1819
45°	1655	1745	1817
50°	1618	1726	1817
55°	1565	1711	1826
60°	1508	1699	1839
65°	1449	1683	1853
70°	1352	1671	1887
75°	1231	1675	1945
80°	1018	1656	1791
85°	781	1315	1271



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.3	3.2
10°-20°	357.6	9.3
20°-30°	539.5	14.0
30°-40°	647.7	16.8
40°-50°	673.6	17.5
50°-60°	619.5	16.1
60°-70°	493.8	12.8
70°-80°	312.9	8.1
80°-90°	86.1	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°	1022.4	26.5
0°-40°	1670.2	43.3
0°-60°	2963.3	76.8
0°-90°	3856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3856.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1325	1325	1325	1325	1325	
5°	1319	1319	1314	1321	1321	125
15°	1263	1263	1264	1274	1275	356
25°	1155	1161	1168	1184	1188	532
35°	1005	1016	1036	1055	1062	630
45°	829	847	874	902	910	640
55°	636	657	695	730	742	569
65°	434	456	504	543	555	428
75°	226	255	307	346	357	238
85°	48	69	81	80	78	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1324.7	1324.7	1324.7	1324.7	1324.7
2.5°	1324.7	1324.7	1317.9	1324.7	1324.7
5°	1319.2	1319.2	1313.7	1320.6	1320.6
7.5°	1309.6	1311.0	1306.8	1313.7	1313.7
10°	1297.2	1298.6	1295.8	1304.1	1304.1
12.5°	1280.7	1282.1	1280.7	1290.3	1290.3
15°	1262.8	1262.8	1264.1	1273.8	1275.2
17.5°	1239.4	1242.1	1244.9	1255.9	1255.9
20°	1213.2	1217.3	1221.5	1235.2	1235.2
22.5°	1187.0	1191.2	1196.7	1210.4	1213.2
25°	1155.4	1160.9	1167.8	1184.3	1188.4
27.5°	1122.3	1126.4	1137.5	1155.4	1156.7
30°	1085.1	1092.0	1105.8	1123.7	1127.8
32.5°	1046.6	1056.2	1071.4	1092.0	1096.1
35°	1005.3	1016.3	1035.6	1054.8	1061.7
37.5°	966.7	975.0	997.0	1019.0	1023.2
40°	921.3	933.7	957.1	981.9	987.4
42.5°	875.8	889.6	915.8	940.5	950.2
45°	829.0	846.9	874.4	902.0	910.2
47.5°	782.2	801.5	830.4	860.7	870.3
50°	736.7	754.6	786.3	818.0	827.6
52.5°	685.8	706.4	740.9	775.3	784.9
55°	636.2	656.9	695.4	729.8	742.2
57.5°	585.3	608.7	648.6	684.4	695.4
60°	534.3	559.1	601.8	637.6	651.4
62.5°	483.4	506.8	553.6	589.4	601.8
65°	433.8	455.8	504.0	542.6	555.0
67.5°	380.1	404.9	454.4	494.4	505.4
70°	327.7	352.5	404.9	446.2	457.2
72.5°	274.0	303.0	355.3	395.2	410.4
75°	225.8	254.8	307.1	345.6	356.7
77.5°	174.9	203.8	257.5	285.1	286.4
80°	125.3	158.4	203.8	214.8	220.3
82.5°	82.6	114.3	140.5	154.2	154.2
85°	48.2	68.9	81.2	79.9	78.5
87.5°	17.9	23.4	19.3	13.8	9.6
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)