

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: P701534

Luminaire Tested: **RX-WO-20LB2750-UNV-14\_3500K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701534  
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-20LB2750-UNV-14\_3500K  
Description: 1X4 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

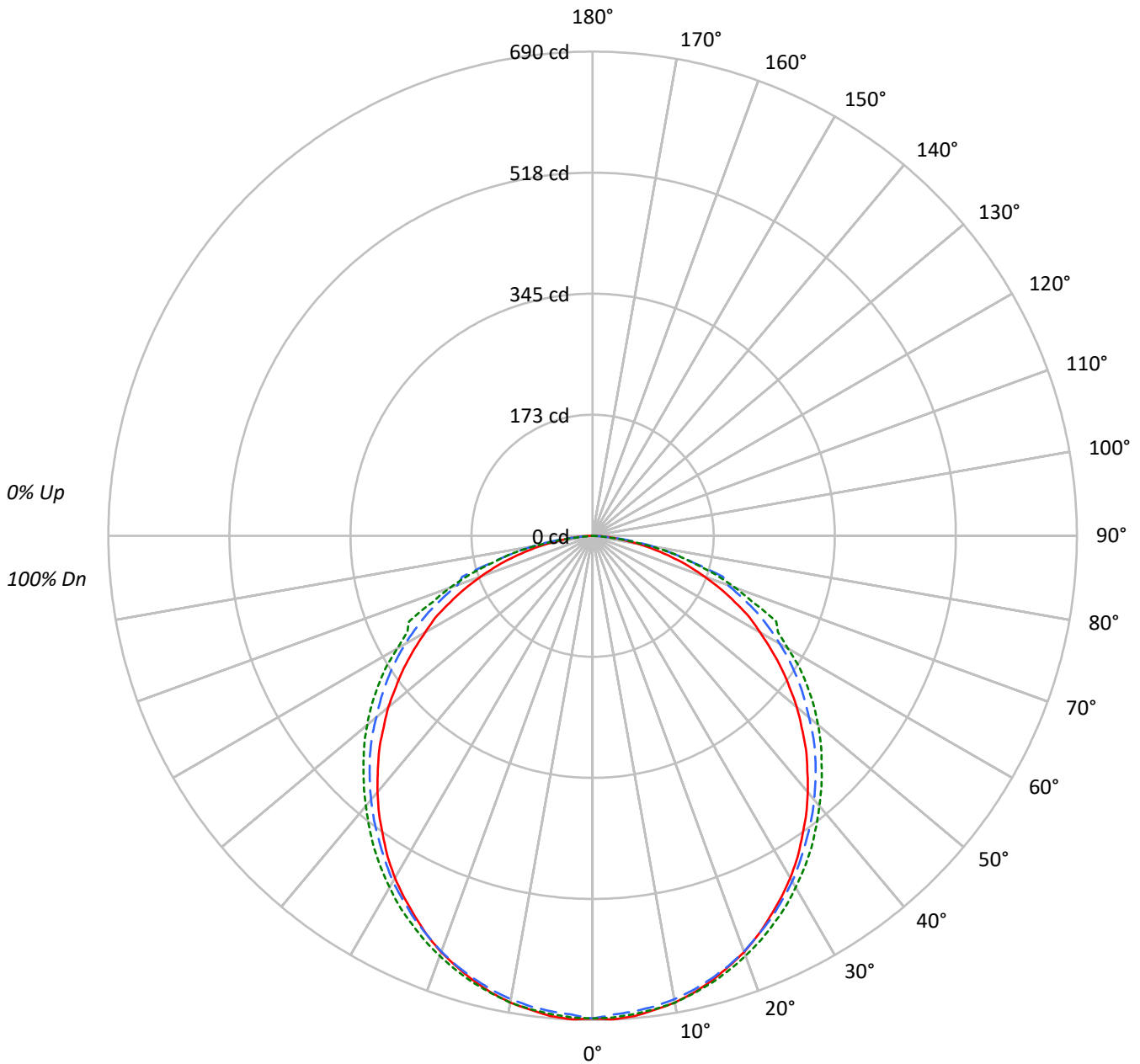
Lumens per Lamp: N/A  
Luminaire Lumens: 1956.0 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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°	1942	1942	1942
5°	1947	1928	1938
10°	1936	1922	1936
15°	1918	1909	1926
20°	1896	1894	1914
25°	1865	1874	1900
30°	1836	1855	1886
35°	1795	1828	1871
40°	1757	1810	1853
45°	1716	1792	1842
50°	1668	1765	1841
55°	1615	1756	1837
60°	1555	1739	1814
65°	1493	1724	1929
70°	1394	1687	1782
75°	1255	1633	1601
80°	1060	1404	1326
85°	777	683	249



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.0	3.3
10°-20°	185.2	9.5
20°-30°	278.3	14.2
30°-40°	333.0	17.0
40°-50°	345.2	17.6
50°-60°	316.6	16.2
60°-70°	251.8	12.9
70°-80°	149.6	7.7
80°-90°	31.4	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°	528.5	27.0
0°-40°	861.4	44.0
0°-60°	1523.2	77.9
0°-90°	1956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1956.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	687	685	680	685	684	65
15°	656	655	653	659	659	185
25°	599	600	602	610	610	276
35°	521	524	531	541	543	326
45°	430	437	449	459	462	331
55°	328	340	357	371	373	293
65°	224	237	258	269	289	221
75°	115	131	150	149	147	122
85°	24	30	21	12	8	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	687.9	687.9	687.9	687.9	687.9
2.5°	689.8	687.9	683.1	687.9	687.0
5°	687.0	685.1	680.3	685.1	684.1
7.5°	681.2	680.3	676.4	681.2	680.3
10°	675.5	673.5	670.7	675.5	675.5
12.5°	666.8	664.9	663.0	668.7	667.8
15°	656.3	655.3	653.4	659.1	659.1
17.5°	643.8	643.8	642.8	648.6	648.6
20°	631.3	630.4	630.4	637.1	637.1
22.5°	616.0	616.0	616.0	624.6	624.6
25°	598.7	599.7	601.6	610.2	610.2
27.5°	581.4	583.3	585.3	593.9	595.8
30°	563.2	564.2	569.0	577.6	578.6
32.5°	543.1	545.0	549.8	559.4	561.3
35°	521.0	523.9	530.6	541.1	543.1
37.5°	499.9	503.7	511.4	521.9	522.9
40°	476.9	481.6	491.2	500.8	502.8
42.5°	452.9	458.6	470.1	480.7	482.6
45°	429.8	436.6	449.0	458.6	461.5
47.5°	403.9	411.6	427.0	438.5	441.4
50°	379.9	387.6	402.0	416.4	419.3
52.5°	353.1	363.6	379.9	394.3	397.2
55°	328.1	339.6	356.9	371.3	373.2
57.5°	301.3	313.7	332.9	346.4	349.2
60°	275.4	288.8	308.0	320.5	321.4
62.5°	252.3	263.9	283.0	294.6	297.4
65°	223.6	237.0	258.1	268.6	288.8
67.5°	196.7	210.1	230.3	265.8	246.6
70°	168.9	184.2	204.4	214.0	215.9
72.5°	143.0	158.3	194.8	184.2	183.3
75°	115.1	131.4	149.7	148.7	146.8
77.5°	89.2	106.5	117.1	118.0	118.0
80°	65.2	86.4	86.4	86.4	81.6
82.5°	42.2	55.6	55.6	48.0	43.2
85°	24.0	29.7	21.1	11.5	7.7
87.5°	8.6	6.7	1.9	1.9	1.0
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)