

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: P701535

Luminaire Tested: **RX-WO-20LB2750-UNV-14_4000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701535
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_4000K
Description: 1X4 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 4000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

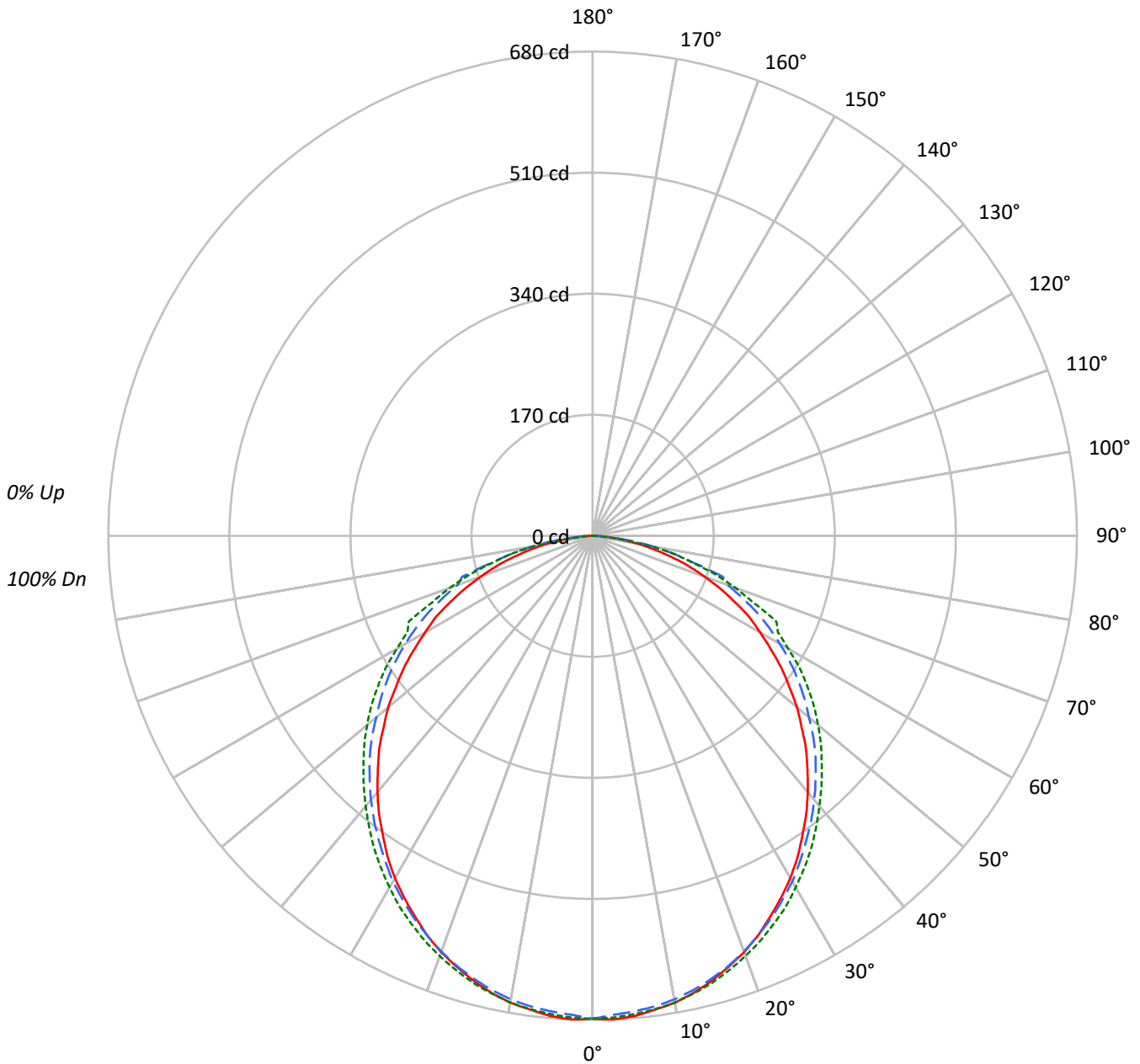
Lumens per Lamp: N/A
Luminaire Lumens: 1928.0 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): 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°	1914	1914	1914
5°	1919	1900	1911
10°	1908	1895	1908
15°	1890	1882	1899
20°	1869	1866	1886
25°	1838	1847	1873
30°	1809	1828	1859
35°	1769	1802	1845
40°	1732	1784	1826
45°	1691	1767	1816
50°	1645	1740	1815
55°	1592	1731	1811
60°	1532	1714	1788
65°	1472	1699	1902
70°	1373	1662	1756
75°	1238	1609	1578
80°	1045	1383	1307
85°	764	674	246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	3.3
10°-20°	182.5	9.5
20°-30°	274.4	14.2
30°-40°	328.2	17.0
40°-50°	340.3	17.6
50°-60°	312.0	16.2
60°-70°	248.2	12.9
70°-80°	147.5	7.6
80°-90°	30.9	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°	520.9	27.0
0°-40°	849.1	44.0
0°-60°	1501.4	77.9
0°-90°	1928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1928.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	677	675	670	675	674	64
15°	647	646	644	650	650	182
25°	590	591	593	602	602	272
35°	514	516	523	533	535	322
45°	424	430	443	452	455	326
55°	323	335	352	366	368	289
65°	220	234	254	265	285	218
75°	114	130	148	147	145	121
85°	24	29	21	11	8	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	678.1	678.1	678.1	678.1	678.1
2.5°	680.0	678.1	673.4	678.1	677.1
5°	677.1	675.2	670.5	675.2	674.3
7.5°	671.5	670.5	666.7	671.5	670.5
10°	665.8	663.9	661.1	665.8	665.8
12.5°	657.3	655.4	653.5	659.2	658.2
15°	646.9	645.9	644.0	649.7	649.7
17.5°	634.6	634.6	633.6	639.3	639.3
20°	622.3	621.3	621.3	628.0	628.0
22.5°	607.2	607.2	607.2	615.7	615.7
25°	590.1	591.1	593.0	601.5	601.5
27.5°	573.1	575.0	576.9	585.4	587.3
30°	555.1	556.1	560.8	569.3	570.3
32.5°	535.3	537.2	541.9	551.4	553.2
35°	513.5	516.4	523.0	533.4	535.3
37.5°	492.7	496.5	504.1	514.5	515.4
40°	470.0	474.8	484.2	493.7	495.6
42.5°	446.4	452.1	463.4	473.8	475.7
45°	423.7	430.3	442.6	452.1	454.9
47.5°	398.1	405.7	420.8	432.2	435.0
50°	374.5	382.1	396.3	410.4	413.3
52.5°	348.0	358.4	374.5	388.7	391.5
55°	323.4	334.8	351.8	366.0	367.9
57.5°	297.0	309.3	328.2	341.4	344.2
60°	271.4	284.7	303.6	315.9	316.8
62.5°	248.7	260.1	279.0	290.3	293.2
65°	220.4	233.6	254.4	264.8	284.7
67.5°	193.9	207.1	227.0	262.0	243.1
70°	166.4	181.6	201.4	210.9	212.8
72.5°	140.9	156.0	192.0	181.6	180.6
75°	113.5	129.6	147.5	146.6	144.7
77.5°	88.0	105.0	115.4	116.3	116.3
80°	64.3	85.1	85.1	85.1	80.4
82.5°	41.6	54.9	54.9	47.3	42.6
85°	23.6	29.3	20.8	11.3	7.6
87.5°	8.5	6.6	1.9	1.9	0.9
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)