

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: METALUX

Report Number: P731822

Luminaire Tested: **14CZ2-25-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CZ2-25-RDP-B2750-W2D-3000K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

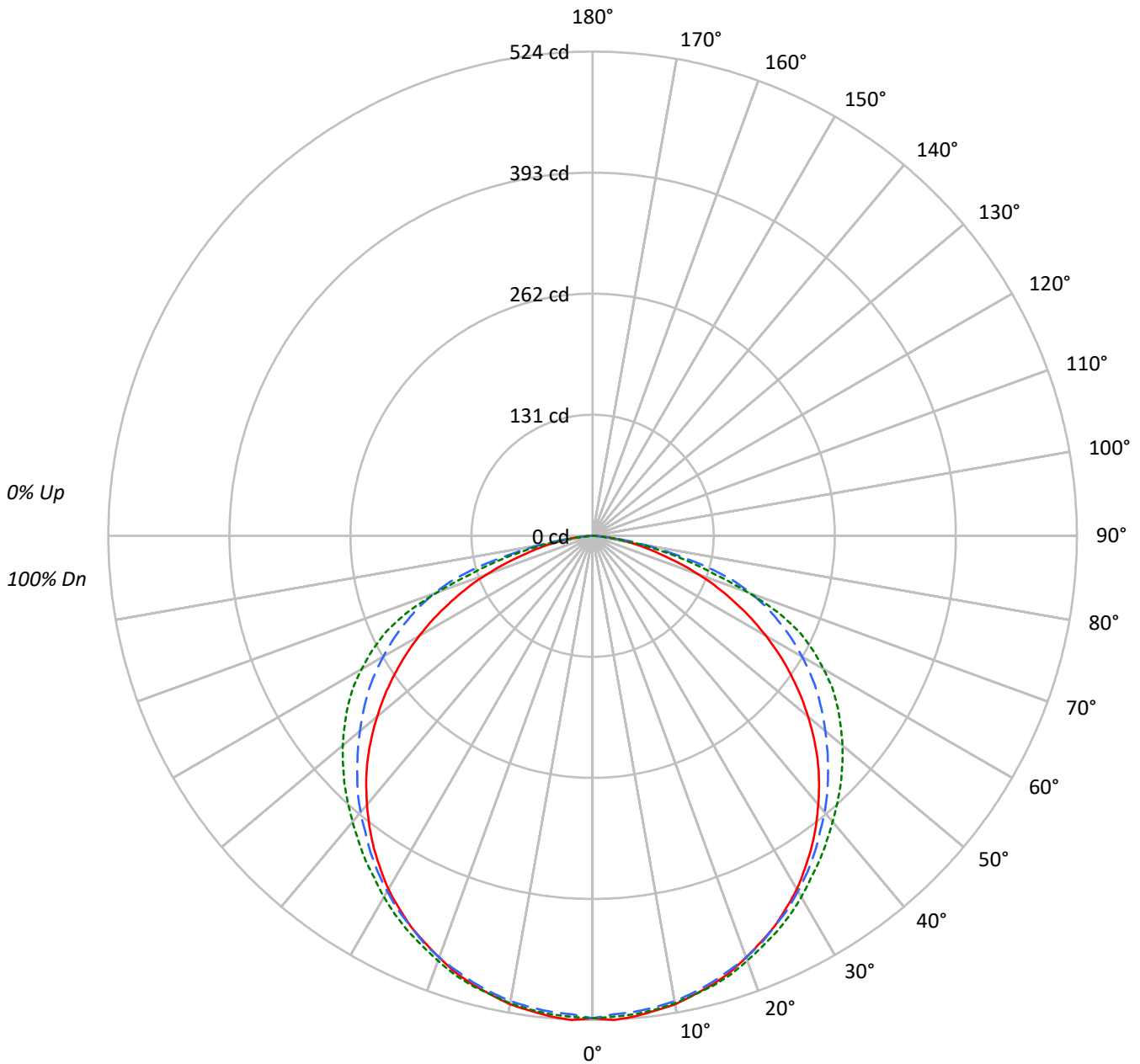
Lumens per Lamp: N/A  
Luminaire Lumens: 1559.0 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 19  
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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	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	40	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	41	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	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1474	1474	1474
5°	1480	1465	1473
10°	1476	1466	1472
15°	1469	1462	1473
20°	1459	1459	1470
25°	1452	1452	1471
30°	1440	1448	1472
35°	1422	1443	1477
40°	1399	1440	1489
45°	1375	1438	1516
50°	1336	1443	1550
55°	1288	1462	1593
60°	1223	1477	1629
65°	1130	1495	1650
70°	1004	1507	1476
75°	810	1353	1181
80°	632	951	770
85°	434	275	198



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.4	3.2
10°-20°	141.8	9.1
20°-30°	215.9	13.8
30°-40°	263.0	16.9
40°-50°	279.0	17.9
50°-60°	263.3	16.9
60°-70°	212.6	13.6
70°-80°	115.3	7.4
80°-90°	18.7	1.2
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°	407.1	26.1
0°-40°	670.1	43.0
0°-60°	1212.4	77.8
0°-90°	1559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	522	522	522	522	522	
5°	522	521	517	521	520	50
15°	503	501	500	504	504	142
25°	466	465	466	471	472	215
35°	413	415	419	427	428	258
45°	344	349	360	374	380	265
55°	262	273	297	316	324	234
65°	169	190	224	242	247	168
75°	74	108	124	112	108	81
85°	13	15	8	7	6	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	522.2	522.2	522.2	522.2	522.2
2.5°	524.5	522.2	518.4	522.2	521.0
5°	522.2	521.0	517.2	521.0	519.8
7.5°	518.4	518.4	514.8	517.2	517.2
10°	514.8	513.6	511.3	514.8	513.6
12.5°	508.7	507.5	506.3	509.9	508.7
15°	502.6	501.4	500.2	504.0	504.0
17.5°	495.3	494.1	492.9	497.8	497.8
20°	485.6	485.6	485.6	490.5	489.3
22.5°	475.9	475.9	477.1	482.0	480.8
25°	466.2	465.0	466.2	471.0	472.2
27.5°	454.0	455.2	456.4	461.3	462.5
30°	441.9	443.1	444.3	450.4	451.6
32.5°	427.3	429.7	432.0	439.4	439.4
35°	412.7	415.0	418.8	427.3	428.5
37.5°	396.8	399.2	404.1	413.8	416.2
40°	379.7	383.4	390.7	400.4	404.1
42.5°	362.7	367.6	376.1	387.0	391.9
45°	344.5	349.2	360.3	373.7	379.7
47.5°	324.9	331.0	344.5	361.5	366.4
50°	304.3	312.8	328.7	346.9	353.0
52.5°	283.6	293.3	312.8	332.2	338.4
55°	261.7	272.6	297.0	316.4	323.7
57.5°	239.7	252.0	279.9	300.6	307.9
60°	216.6	231.2	261.7	282.4	288.5
62.5°	193.5	210.5	243.5	264.1	269.0
65°	169.2	189.9	223.9	242.3	247.1
67.5°	146.1	170.4	204.5	217.8	217.8
70°	121.7	148.4	182.6	186.2	178.9
72.5°	97.4	127.9	158.3	144.9	138.7
75°	74.3	108.3	124.1	112.0	108.3
77.5°	55.9	87.6	87.6	80.3	77.9
80°	38.9	67.0	58.5	51.2	47.4
82.5°	25.5	37.7	30.4	24.3	20.7
85°	13.4	14.6	8.5	7.3	6.1
87.5°	4.9	2.4	1.2	2.4	1.2
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)