

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: P731821

Luminaire Tested: **14CZ2-25-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731821  
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-2700K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

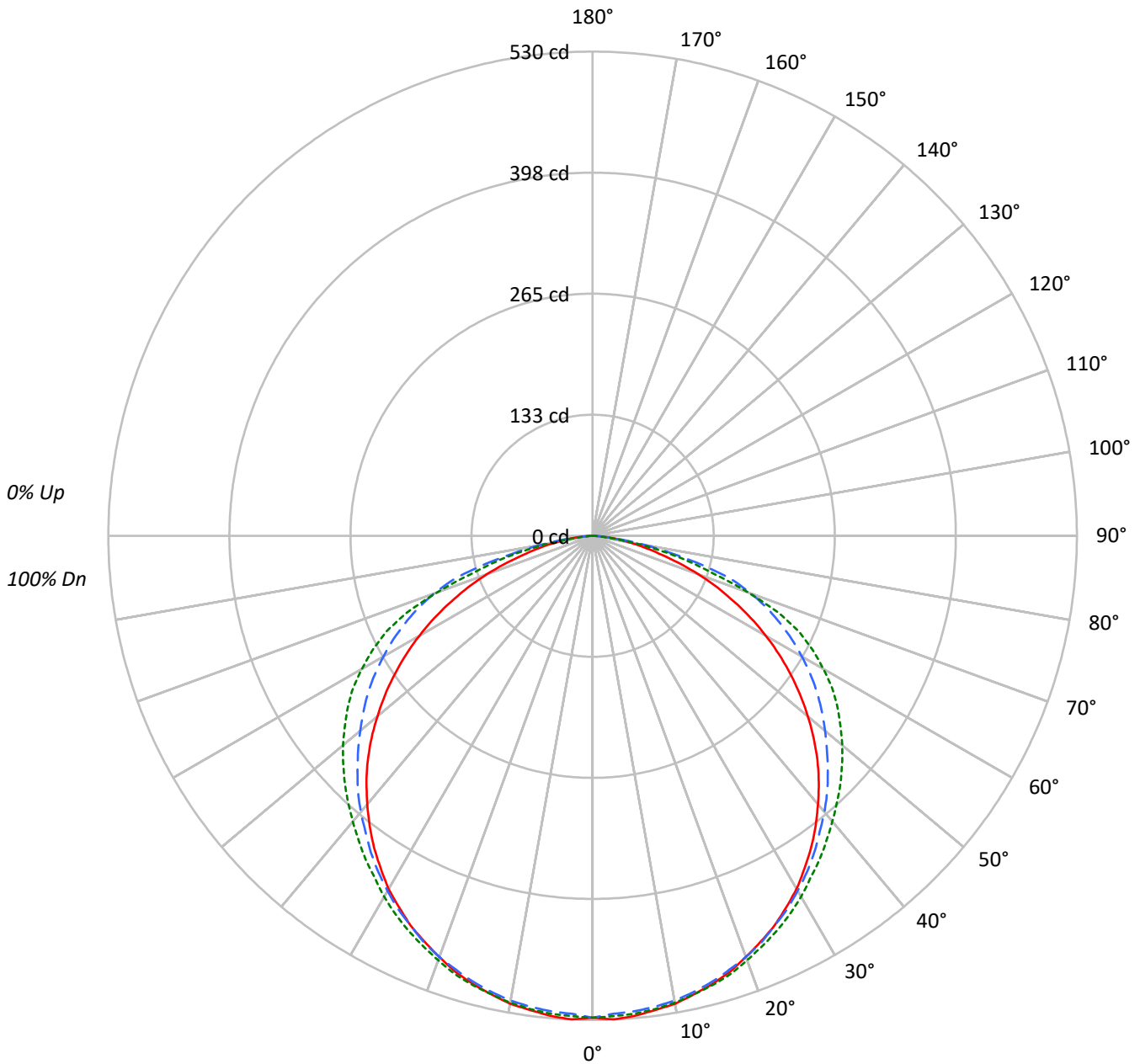
Lumens per Lamp: N/A  
Luminaire Lumens: 1575.0 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.4  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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					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	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°	1489	1489	1489
5°	1495	1480	1488
10°	1491	1480	1487
15°	1484	1477	1488
20°	1474	1474	1485
25°	1467	1467	1486
30°	1455	1463	1487
35°	1437	1458	1492
40°	1413	1454	1504
45°	1389	1453	1531
50°	1350	1458	1566
55°	1301	1477	1610
60°	1235	1493	1646
65°	1141	1511	1667
70°	1015	1523	1491
75°	819	1368	1193
80°	639	961	779
85°	440	279	201



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.9	3.2
10°-20°	143.2	9.1
20°-30°	218.1	13.8
30°-40°	265.7	16.9
40°-50°	281.9	17.9
50°-60°	266.0	16.9
60°-70°	214.8	13.6
70°-80°	116.5	7.4
80°-90°	18.9	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°	411.3	26.1
0°-40°	677.0	43.0
0°-60°	1224.9	77.8
0°-90°	1575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1575.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	528	528	528	528	528	
5°	528	526	522	526	525	50
15°	508	507	505	509	509	143
25°	471	470	471	476	477	217
35°	417	419	423	432	433	261
45°	348	353	364	378	384	268
55°	264	275	300	320	327	236
65°	171	192	226	245	250	169
75°	75	109	125	113	109	82
85°	14	15	9	7	6	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	527.5	527.5	527.5	527.5	527.5
2.5°	529.9	527.5	523.7	527.5	526.3
5°	527.5	526.3	522.5	526.3	525.1
7.5°	523.7	523.7	520.1	522.5	522.5
10°	520.1	518.9	516.5	520.1	518.9
12.5°	513.9	512.7	511.5	515.2	513.9
15°	507.8	506.6	505.4	509.1	509.1
17.5°	500.4	499.2	498.0	502.9	502.9
20°	490.6	490.6	490.6	495.6	494.4
22.5°	480.8	480.8	482.0	487.0	485.8
25°	471.0	469.8	471.0	475.8	477.0
27.5°	458.6	459.8	461.0	466.0	467.2
30°	446.4	447.6	448.8	455.0	456.2
32.5°	431.7	434.1	436.5	443.9	443.9
35°	416.9	419.3	423.1	431.7	432.9
37.5°	400.9	403.3	408.3	418.1	420.5
40°	383.6	387.3	394.7	404.5	408.3
42.5°	366.4	371.4	380.0	391.0	395.9
45°	348.0	352.8	364.0	377.5	383.6
47.5°	328.3	334.4	348.0	365.2	370.2
50°	307.5	316.1	332.0	350.4	356.6
52.5°	286.5	296.3	316.1	335.6	341.8
55°	264.4	275.4	300.1	319.7	327.1
57.5°	242.2	254.6	282.7	303.7	311.1
60°	218.8	233.6	264.4	285.3	291.5
62.5°	195.5	212.7	246.0	266.8	271.7
65°	170.9	191.9	226.2	244.8	249.6
67.5°	147.6	172.1	206.6	220.0	220.0
70°	123.0	150.0	184.5	188.1	180.7
72.5°	98.4	129.2	159.9	146.3	140.2
75°	75.1	109.4	125.4	113.2	109.4
77.5°	56.5	88.5	88.5	81.1	78.7
80°	39.3	67.7	59.1	51.7	47.9
82.5°	25.8	38.1	30.7	24.6	20.9
85°	13.6	14.8	8.6	7.4	6.2
87.5°	5.0	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)