

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: P731818

Luminaire Tested: **14CZ2-25-HRP-B2750-W2D-3500K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294787)  
Test Lab: INNOVATIONS CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CZ2-25-HRP-B2750-W2D-3500K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND HRP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

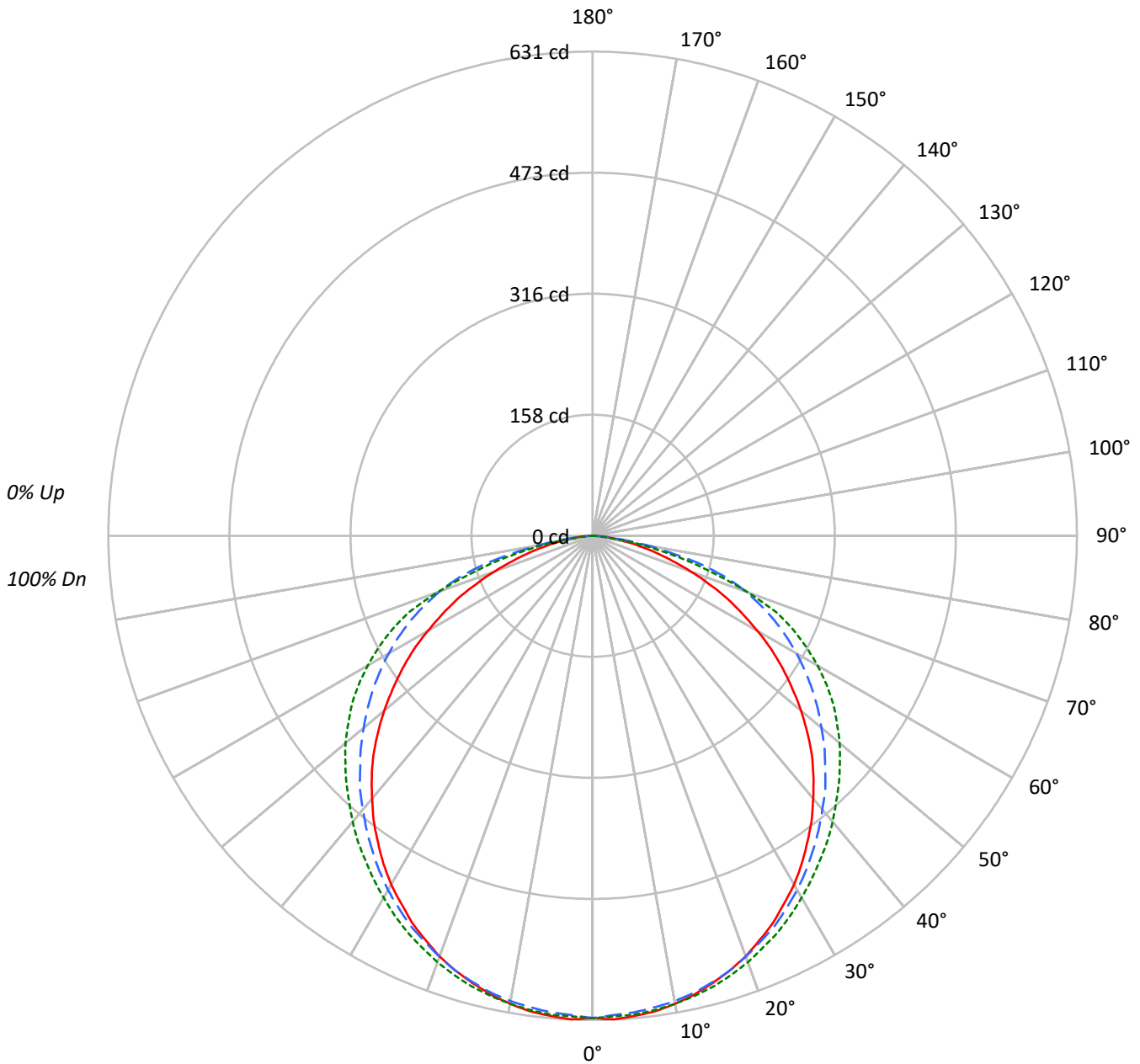
Lumens per Lamp: N/A  
Luminaire Lumens: 1851.0 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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	78	96	88	82	77	85	79	75	82	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	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24																			

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

	0°	45°	90°
0°	1774	1774	1774
5°	1780	1766	1775
10°	1775	1765	1775
15°	1764	1761	1777
20°	1752	1754	1776
25°	1733	1748	1777
30°	1711	1738	1775
35°	1681	1725	1779
40°	1647	1716	1793
45°	1612	1710	1812
50°	1556	1710	1846
55°	1490	1719	1885
60°	1399	1731	1909
65°	1291	1749	1920
70°	1125	1753	1768
75°	927	1633	1429
80°	728	1174	956
85°	567	453	223



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.5	3.2
10°-20°	170.8	9.2
20°-30°	259.3	14.0
30°-40°	314.2	17.0
40°-50°	331.1	17.9
50°-60°	309.1	16.7
60°-70°	247.0	13.3
70°-80°	136.0	7.3
80°-90°	24.0	1.3
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°	489.6	26.4
0°-40°	803.8	43.4
0°-60°	1444.0	78.0
0°-90°	1851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1851.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	628	628	628	628	628	
5°	628	626	623	628	626	60
15°	604	604	602	608	608	170
25°	556	558	561	569	570	256
35°	488	492	500	513	516	305
45°	404	412	428	448	454	311
55°	303	318	349	374	383	270
65°	193	218	262	283	288	190
75°	85	122	150	134	131	92
85°	18	22	14	9	7	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	628.5	628.5	628.5	628.5	628.5
2.5°	630.9	629.1	625.1	628.5	626.9
5°	628.1	626.3	623.4	627.5	626.3
7.5°	625.1	622.8	619.8	624.6	623.4
10°	619.3	617.5	615.9	619.8	619.3
12.5°	612.3	611.7	610.0	614.7	614.1
15°	603.6	603.6	602.5	608.2	608.2
17.5°	594.2	593.6	594.2	600.7	600.1
20°	583.2	583.2	583.8	591.4	591.4
22.5°	569.8	570.4	572.1	581.4	580.8
25°	556.5	557.5	561.1	569.2	570.4
27.5°	540.2	543.1	547.1	556.9	558.1
30°	525.0	526.7	533.1	542.5	544.7
32.5°	507.0	510.4	517.5	527.9	530.9
35°	487.7	492.4	500.5	513.3	516.3
37.5°	468.6	472.7	483.7	497.0	502.3
40°	447.1	454.0	465.6	480.8	486.5
42.5°	426.0	433.1	448.8	464.4	469.7
45°	403.9	411.6	428.4	447.6	454.0
47.5°	379.4	388.3	409.8	430.1	437.0
50°	354.4	365.5	389.3	412.1	420.3
52.5°	328.3	342.2	369.6	393.4	401.1
55°	302.7	317.7	349.3	373.7	383.0
57.5°	276.5	292.8	328.3	356.2	361.5
60°	247.9	267.8	306.7	331.1	338.2
62.5°	220.1	242.8	284.6	307.9	313.8
65°	193.3	217.7	261.9	283.4	287.5
67.5°	164.1	193.3	236.9	256.7	257.8
70°	136.3	170.0	212.4	221.7	214.2
72.5°	108.9	144.9	184.0	176.3	170.0
75°	85.0	121.7	149.7	134.5	131.0
77.5°	62.9	99.6	107.1	99.0	92.5
80°	44.8	78.5	72.2	61.7	58.8
82.5°	30.8	49.5	39.6	30.8	26.8
85°	17.5	22.1	14.0	8.7	6.9
87.5°	7.5	5.3	2.9	2.4	2.4
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)