

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: P731872

Luminaire Tested: **14CZ2-35-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731872  
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: 14CZ2-35-RDP-B2750-W2D-3000K  
Description: 1X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

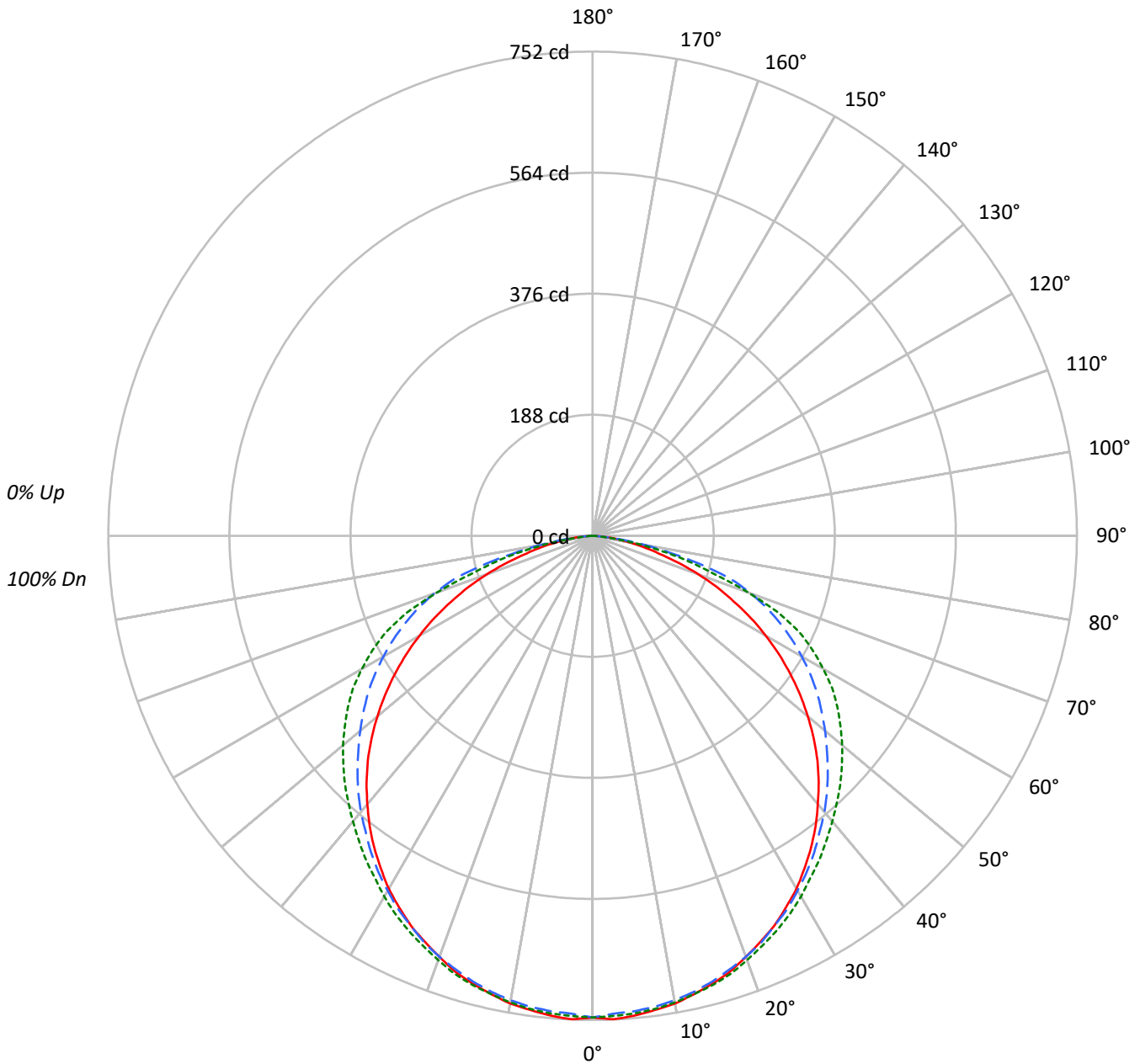
Lumens per Lamp: N/A  
Luminaire Lumens: 2234.0 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.4  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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°	2112	2112	2112
5°	2120	2100	2110
10°	2115	2100	2110
15°	2105	2095	2110
20°	2090	2090	2106
25°	2081	2081	2107
30°	2064	2075	2109
35°	2038	2068	2116
40°	2005	2063	2134
45°	1970	2061	2172
50°	1915	2068	2221
55°	1845	2094	2283
60°	1752	2117	2334
65°	1619	2143	2364
70°	1439	2160	2115
75°	1161	1940	1693
80°	907	1362	1105
85°	622	395	285



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.8	3.2
10°-20°	203.2	9.1
20°-30°	309.4	13.8
30°-40°	376.9	16.9
40°-50°	399.8	17.9
50°-60°	377.3	16.9
60°-70°	304.6	13.6
70°-80°	165.3	7.4
80°-90°	26.7	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°	583.4	26.1
0°-40°	960.2	43.0
0°-60°	1737.4	77.8
0°-90°	2234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2234.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	748	746	741	746	745	71
15°	720	718	717	722	722	203
25°	668	666	668	675	677	308
35°	591	595	600	612	614	370
45°	494	500	516	536	544	380
55°	375	391	426	453	464	335
65°	242	272	321	347	354	240
75°	106	155	178	160	155	116
85°	19	21	12	10	9	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	748.2	748.2	748.2	748.2	748.2
2.5°	751.7	748.2	742.9	748.2	746.5
5°	748.2	746.5	741.2	746.5	744.8
7.5°	742.9	742.9	737.8	741.2	741.2
10°	737.8	736.0	732.6	737.8	736.0
12.5°	729.0	727.3	725.6	730.7	729.0
15°	720.2	718.5	716.8	722.1	722.1
17.5°	709.7	708.0	706.3	713.4	713.4
20°	695.9	695.9	695.9	702.9	701.2
22.5°	682.0	682.0	683.7	690.7	689.0
25°	668.1	666.4	668.1	674.9	676.6
27.5°	650.5	652.2	654.0	661.0	662.7
30°	633.2	634.9	636.6	645.4	647.1
32.5°	612.3	615.7	619.1	629.6	629.6
35°	591.3	594.7	600.1	612.3	614.0
37.5°	568.7	572.1	579.1	593.0	596.4
40°	544.1	549.4	559.9	573.8	579.1
42.5°	519.7	526.8	538.9	554.5	561.6
45°	493.6	500.5	516.3	535.5	544.1
47.5°	465.6	474.4	493.6	518.0	525.0
50°	436.1	448.3	471.0	497.0	505.8
52.5°	406.4	420.3	448.3	476.1	484.9
55°	375.0	390.6	425.6	453.4	463.9
57.5°	343.5	361.1	401.1	430.8	441.2
60°	310.4	331.4	375.0	404.7	413.5
62.5°	277.3	301.6	348.9	378.4	385.4
65°	242.4	272.1	320.9	347.2	354.0
67.5°	209.3	244.1	293.1	312.1	312.1
70°	174.4	212.7	261.7	266.8	256.3
72.5°	139.6	183.2	226.8	207.6	198.8
75°	106.5	155.2	177.9	160.5	155.2
77.5°	80.2	125.5	125.5	115.0	111.6
80°	55.8	96.0	83.8	73.3	68.0
82.5°	36.6	54.1	43.6	34.8	29.7
85°	19.2	21.0	12.2	10.5	8.8
87.5°	7.1	3.4	1.7	3.4	1.7
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)