

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: P731874

Luminaire Tested: **14CZ2-35-RDP-B2750-W2D-4000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731874  
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-4000K  
Description: 1X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

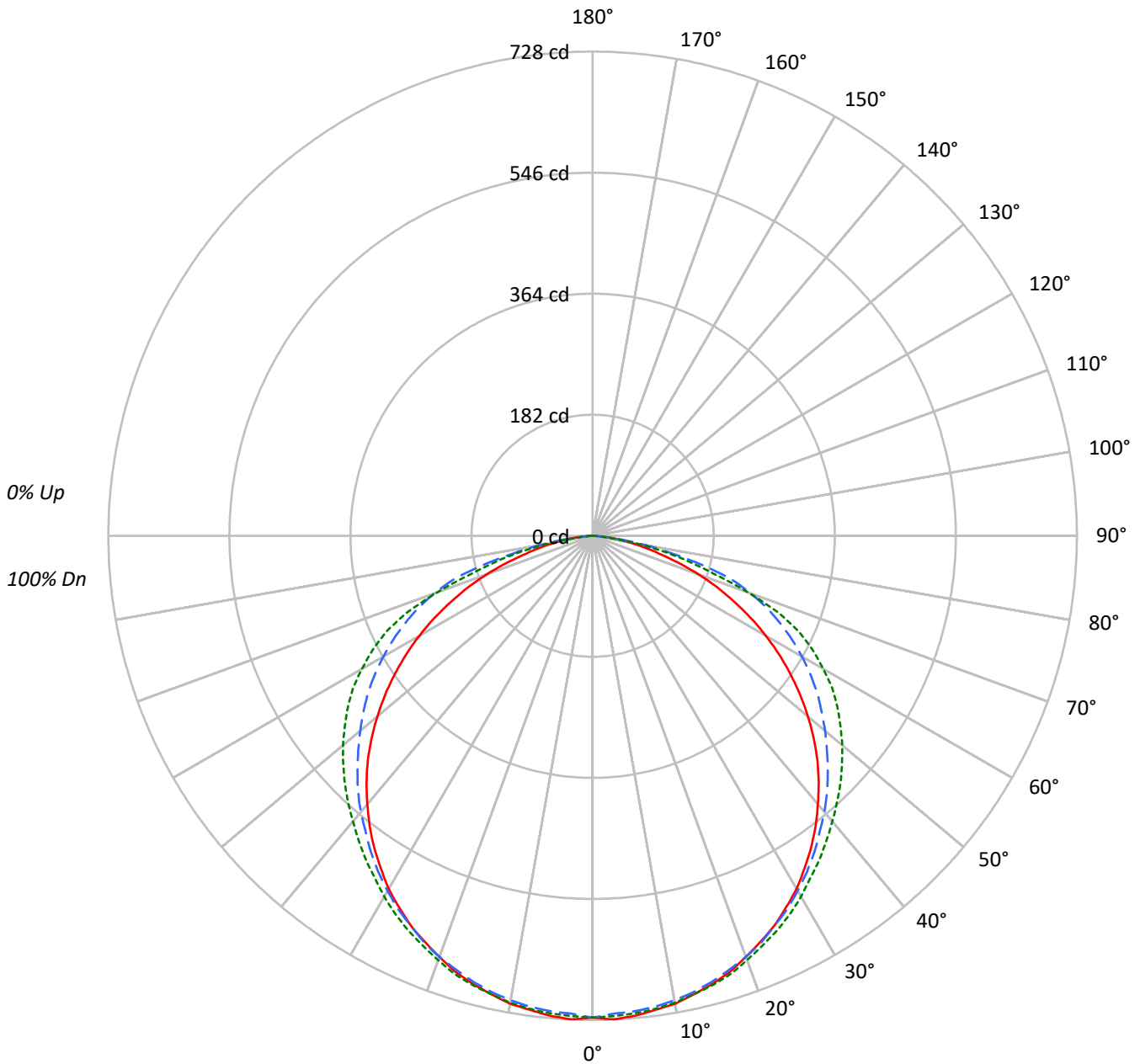
Lumens per Lamp: N/A  
Luminaire Lumens: 2163.0 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P731874

CATALOG NUMBER: 14CZ2-35-RDP-B2750-W2D-4000K

### 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°	2045	2045	2045
5°	2053	2033	2043
10°	2047	2033	2043
15°	2038	2028	2043
20°	2024	2024	2039
25°	2014	2014	2040
30°	1998	2009	2042
35°	1973	2002	2049
40°	1941	1998	2066
45°	1908	1996	2103
50°	1854	2002	2150
55°	1787	2028	2211
60°	1696	2050	2260
65°	1568	2075	2290
70°	1394	2091	2048
75°	1124	1878	1639
80°	878	1318	1070
85°	602	382	275



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.6	3.2
10°-20°	196.7	9.1
20°-30°	299.6	13.8
30°-40°	364.9	16.9
40°-50°	387.1	17.9
50°-60°	365.3	16.9
60°-70°	295.0	13.6
70°-80°	160.0	7.4
80°-90°	25.9	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°	564.9	26.1
0°-40°	929.7	43.0
0°-60°	1682.1	77.8
0°-90°	2163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2163.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	724	724	724	724	724	
5°	724	723	718	723	721	69
15°	697	696	694	699	699	197
25°	647	645	647	654	655	298
35°	572	576	581	593	594	358
45°	478	485	500	518	527	368
55°	363	378	412	439	449	324
65°	235	264	311	336	343	233
75°	103	150	172	155	150	113
85°	19	20	12	10	8	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	724.5	724.5	724.5	724.5	724.5
2.5°	727.8	724.5	719.3	724.5	722.8
5°	724.5	722.8	717.6	722.8	721.1
7.5°	719.3	719.3	714.3	717.6	717.6
10°	714.3	712.7	709.3	714.3	712.7
12.5°	705.8	704.2	702.5	707.5	705.8
15°	697.3	695.7	694.0	699.2	699.2
17.5°	687.2	685.5	683.9	690.7	690.7
20°	673.7	673.7	673.7	680.6	678.9
22.5°	660.3	660.3	661.9	668.8	667.1
25°	646.8	645.2	646.8	653.5	655.1
27.5°	629.9	631.5	633.2	640.0	641.7
30°	613.1	614.7	616.4	624.9	626.5
32.5°	592.8	596.1	599.4	609.6	609.6
35°	572.5	575.8	581.0	592.8	594.5
37.5°	550.6	553.9	560.7	574.2	577.5
40°	526.8	532.0	542.1	555.5	560.7
42.5°	503.2	510.0	521.8	536.9	543.8
45°	477.9	484.6	499.9	518.5	526.8
47.5°	450.8	459.3	477.9	501.5	508.4
50°	422.3	434.0	456.0	481.2	489.7
52.5°	393.5	406.9	434.0	461.0	469.4
55°	363.1	378.2	412.1	439.0	449.2
57.5°	332.6	349.6	388.3	417.1	427.2
60°	300.5	320.8	363.1	391.8	400.3
62.5°	268.5	292.1	337.8	366.4	373.2
65°	234.7	263.5	310.7	336.1	342.8
67.5°	202.6	236.4	283.8	302.2	302.2
70°	168.9	206.0	253.4	258.3	248.2
72.5°	135.2	177.4	219.6	201.0	192.5
75°	103.1	150.3	172.2	155.4	150.3
77.5°	77.6	121.5	121.5	111.4	108.0
80°	54.0	92.9	81.1	71.0	65.8
82.5°	35.4	52.4	42.2	33.7	28.8
85°	18.6	20.3	11.8	10.1	8.5
87.5°	6.8	3.3	1.7	3.3	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)