

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: P732149

Luminaire Tested: **24CZ2-35-RDP-B2750-W2D-4000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732149  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-35-RDP-B2750-W2D-4000K  
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

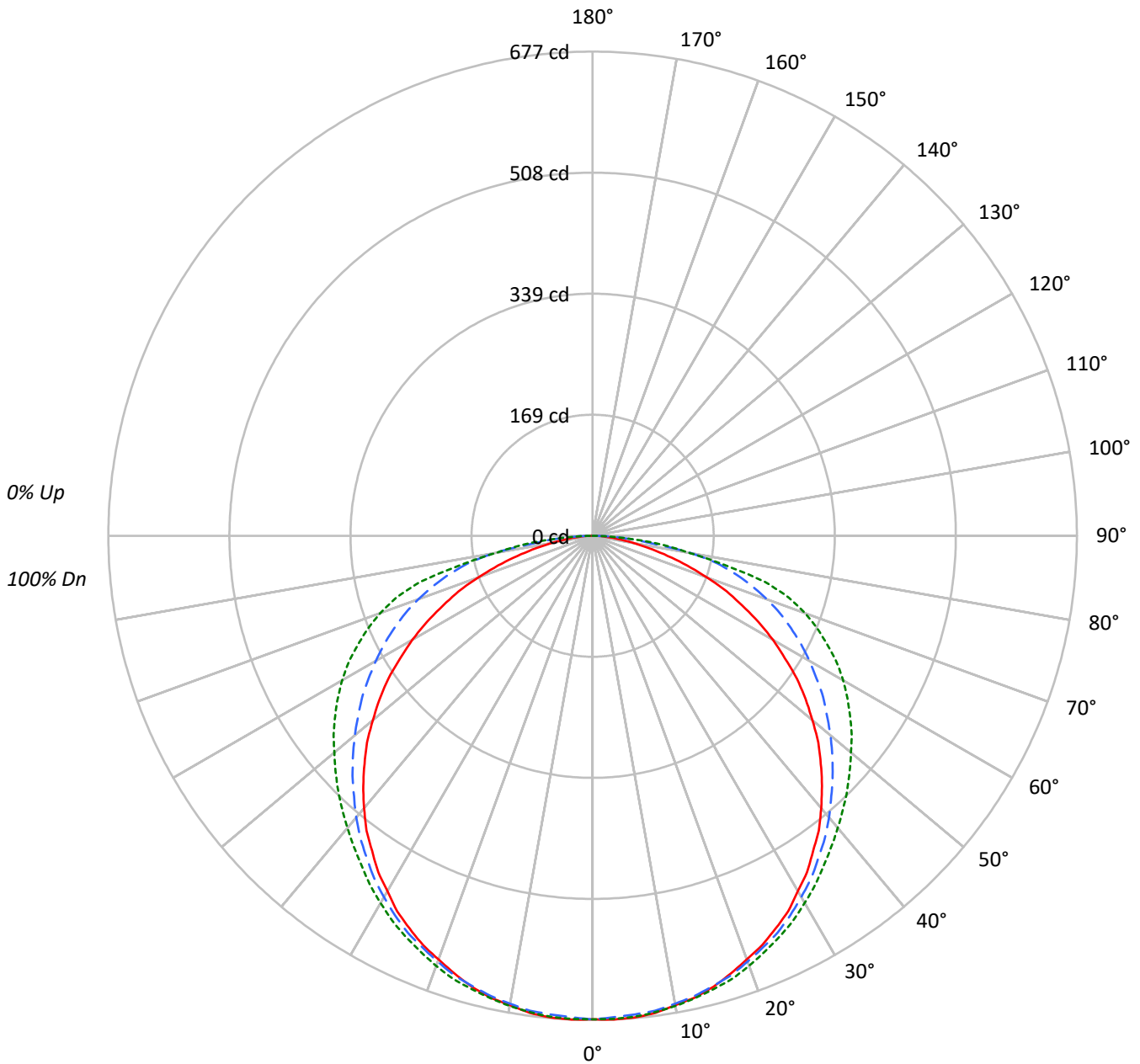
Lumens per Lamp: N/A  
Luminaire Lumens: 2150.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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				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				100
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82				82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67				67
3	88	77	68	62	86	76	68	61	72	66	60	70	64	59	67	62	58	56				56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47				47
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35				35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31				31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27				27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24				24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22				22

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

	0°	45°	90°
0°	954	954	954
5°	958	952	956
10°	955	952	957
15°	954	952	958
20°	947	951	961
25°	943	953	963
30°	935	951	966
35°	926	948	970
40°	916	947	983
45°	900	947	1005
50°	880	953	1035
55°	858	968	1081
60°	822	987	1141
65°	769	1022	1211
70°	700	1069	1303
75°	593	1128	1361
80°	468	1135	1100
85°	345	865	967



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.1	3.0
10°-20°	184.6	8.6
20°-30°	282.3	13.1
30°-40°	345.1	16.0
40°-50°	367.8	17.1
50°-60°	351.6	16.4
60°-70°	297.9	13.9
70°-80°	200.2	9.3
80°-90°	56.5	2.6
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°	531.0	24.7
0°-40°	876.1	40.7
0°-60°	1595.5	74.2
0°-90°	2150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2150.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	676	675	672	675	675	64
15°	653	653	652	657	656	184
25°	606	608	612	618	618	279
35°	538	542	550	561	563	337
45°	451	458	475	495	503	348
55°	349	362	394	424	439	311
65°	230	254	306	346	363	229
75°	109	148	207	242	250	116
85°	21	44	53	58	60	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	676.1	676.1	676.1	676.1	676.1
2.5°	677.1	677.1	673.9	676.1	676.1
5°	676.1	675.1	671.9	675.1	675.1
7.5°	672.9	671.9	669.7	672.9	671.9
10°	666.5	666.5	664.4	667.6	667.6
12.5°	661.2	660.2	659.0	663.3	662.2
15°	652.7	652.7	651.6	657.0	655.8
17.5°	642.0	643.1	644.1	648.3	649.5
20°	630.2	632.4	633.4	639.9	639.9
22.5°	619.5	620.7	622.8	629.2	629.2
25°	605.8	607.8	612.1	617.5	618.5
27.5°	591.9	592.9	598.3	605.8	606.8
30°	573.8	577.0	583.3	591.9	592.9
32.5°	557.7	560.9	568.4	577.0	579.0
35°	537.5	541.7	550.2	560.9	563.1
37.5°	519.4	522.6	533.3	545.0	548.2
40°	497.0	503.3	514.0	527.9	533.3
42.5°	474.6	480.9	493.8	511.9	518.3
45°	451.1	458.5	474.6	494.8	503.3
47.5°	427.7	436.2	454.3	477.7	487.4
50°	400.9	411.6	434.0	460.7	471.4
52.5°	375.4	388.2	412.8	442.6	456.5
55°	348.7	361.5	393.5	424.5	439.4
57.5°	318.9	335.9	371.1	406.3	422.3
60°	291.1	307.1	349.8	388.2	404.2
62.5°	261.3	282.6	328.4	368.9	385.0
65°	230.3	253.8	306.0	346.5	362.6
67.5°	202.7	228.2	283.7	324.2	340.2
70°	169.6	201.5	259.1	299.6	315.7
72.5°	138.6	173.9	233.5	273.0	287.9
75°	108.8	148.3	206.9	242.1	249.6
77.5°	81.0	122.7	179.1	194.0	188.8
80°	57.6	98.1	139.6	132.2	135.4
82.5°	37.3	74.7	86.4	98.1	101.3
85°	21.3	43.7	53.4	57.6	59.7
87.5°	9.6	15.9	21.3	21.3	20.3
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)