

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: P731837

Luminaire Tested: **14CZ2-29-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275502)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CZ2-29-B2750-W2D-3000K  
Description: 1X4 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

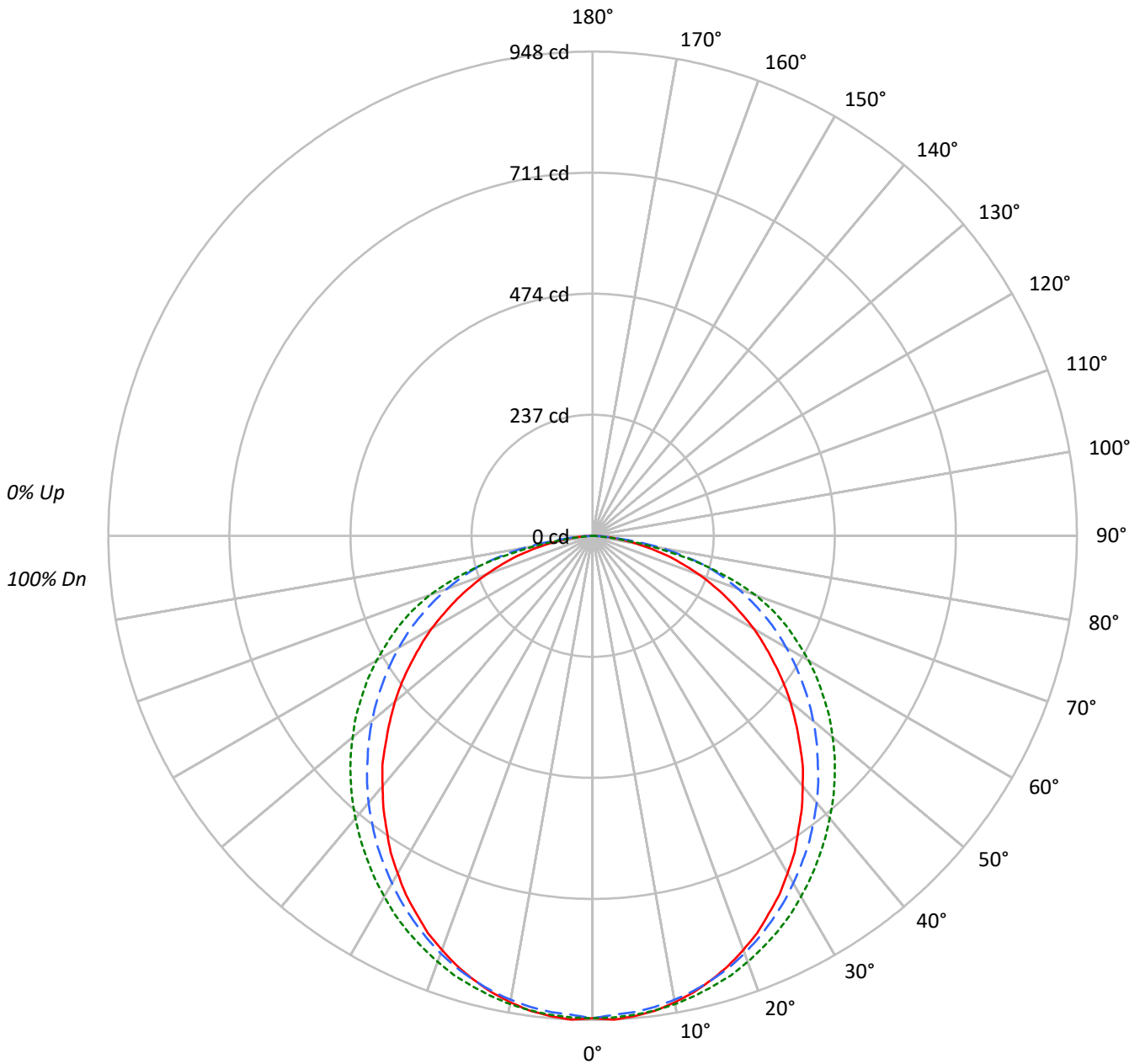
Lumens per Lamp: N/A  
Luminaire Lumens: 2742.0 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 23  
Input Voltage (V): NR  
Input Current (Ain): 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	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	79	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	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	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	39	31	26	37	30	26	37	30	25	36	30	25	24																			

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

	0°	45°	90°
0°	2666	2666	2666
5°	2675	2652	2668
10°	2658	2644	2669
15°	2630	2631	2667
20°	2591	2614	2667
25°	2542	2588	2664
30°	2487	2561	2659
35°	2421	2539	2656
40°	2356	2514	2661
45°	2285	2487	2675
50°	2218	2475	2693
55°	2133	2467	2717
60°	2057	2472	2755
65°	1952	2479	2797
70°	1832	2497	2795
75°	1660	2520	2528
80°	1362	2175	1798
85°	1007	1030	415



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.4	3.3
10°-20°	255.3	9.3
20°-30°	384.7	14.0
30°-40°	461.6	16.8
40°-50°	481.1	17.5
50°-60°	445.4	16.2
60°-70°	359.9	13.1
70°-80°	219.4	8.0
80°-90°	45.3	1.7
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°	729.4	26.6
0°-40°	1191.0	43.4
0°-60°	2117.5	77.2
0°-90°	2742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2742.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	944	942	936	943	942	90
15°	900	900	900	913	913	254
25°	816	821	831	852	855	376
35°	703	714	737	764	771	440
45°	572	590	623	658	670	442
55°	433	456	501	540	552	388
65°	292	321	371	408	419	289
75°	152	186	231	235	232	160
85°	31	46	32	18	13	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	944.6	944.6	944.6	944.6	944.6
2.5°	948.3	945.3	938.6	945.3	944.0
5°	944.0	941.6	936.1	942.8	941.6
7.5°	937.9	935.4	930.5	938.6	937.2
10°	927.5	926.3	922.6	931.8	931.2
12.5°	915.4	914.7	912.8	923.3	922.6
15°	900.0	900.5	900.5	912.8	912.8
17.5°	882.9	884.0	886.6	900.0	901.9
20°	862.7	865.2	870.1	885.4	887.7
22.5°	842.0	843.8	851.1	869.4	871.9
25°	816.2	821.1	830.9	851.7	855.4
27.5°	791.8	796.0	809.5	830.9	837.1
30°	763.0	769.8	785.7	809.0	815.7
32.5°	735.6	742.8	761.2	788.1	794.2
35°	702.6	713.5	736.8	763.7	770.9
37.5°	672.6	682.9	709.3	738.6	747.2
40°	639.5	652.4	682.4	713.5	722.1
42.5°	609.0	621.1	653.6	685.4	697.0
45°	572.3	589.5	623.0	657.8	670.1
47.5°	538.6	555.8	594.4	631.6	642.7
50°	505.0	523.3	563.7	602.3	613.2
52.5°	470.1	489.8	533.1	571.6	584.6
55°	433.4	456.2	501.4	540.5	552.1
57.5°	398.6	421.8	470.1	509.9	521.5
60°	364.4	388.3	437.8	475.7	488.0
62.5°	326.6	354.7	406.0	443.2	452.5
65°	292.2	321.0	371.2	408.4	418.8
67.5°	256.2	287.3	337.5	371.7	381.6
70°	222.0	254.3	302.6	334.5	338.7
72.5°	185.3	218.3	267.1	287.3	287.3
75°	152.2	185.8	231.1	234.8	231.8
77.5°	116.1	153.5	182.8	175.4	168.2
80°	83.8	120.5	133.8	120.5	110.6
82.5°	56.2	87.4	80.6	64.1	56.9
85°	31.1	46.5	31.8	17.7	12.8
87.5°	11.6	10.4	3.0	3.0	3.0
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)