

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: P731827

Luminaire Tested: **14CZ2-25-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731827  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275670)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CZ2-25-S-B2750-W2D-3000K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

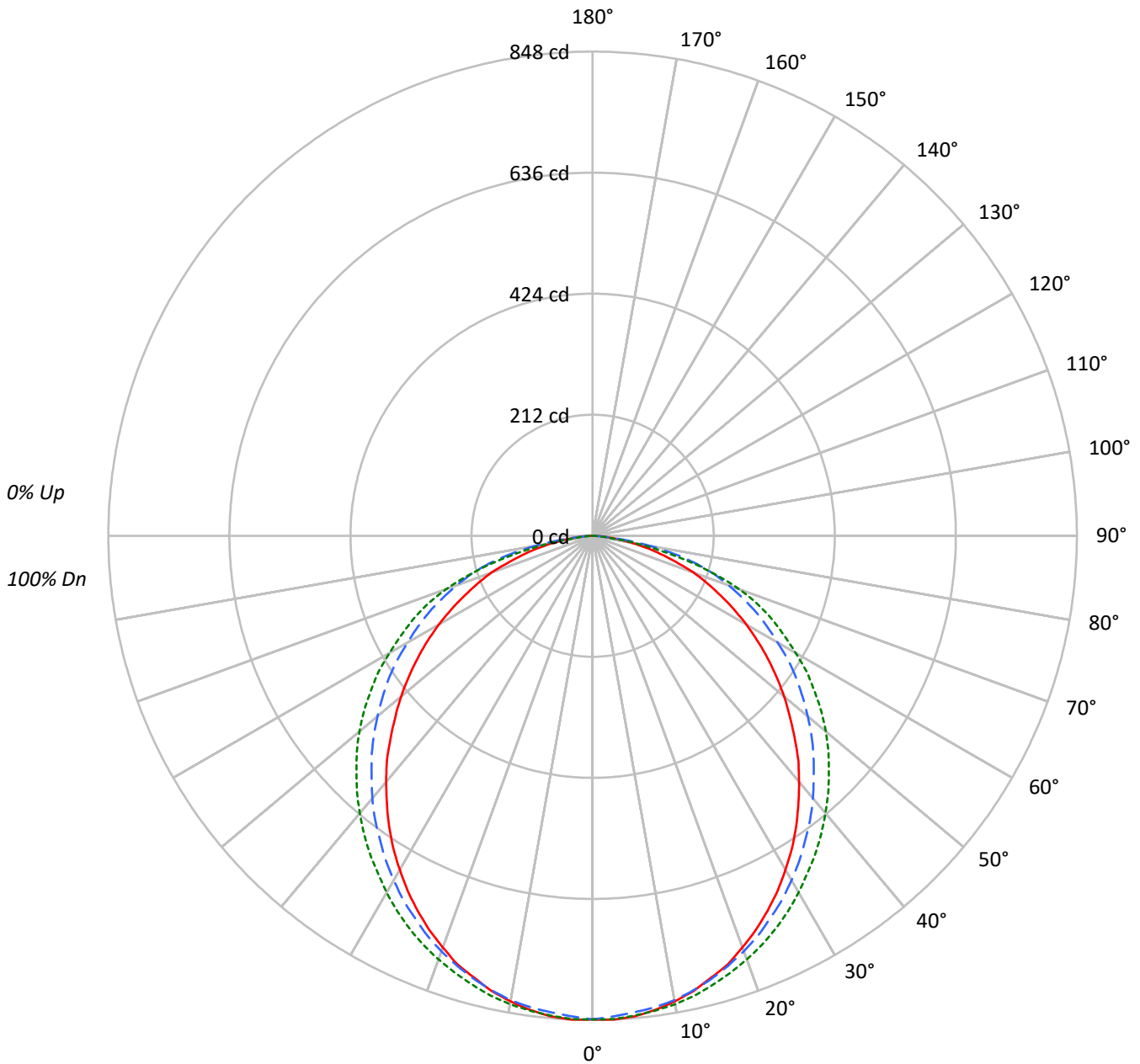
Lumens per Lamp: N/A  
Luminaire Lumens: 2373.0 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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	94	91	89	90	88	86	84																			
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70																			
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58																			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50																			
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43																			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38																			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24																			

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

	0°	45°	90°
0°	2391	2391	2391
5°	2394	2374	2390
10°	2374	2367	2388
15°	2342	2348	2379
20°	2304	2326	2372
25°	2257	2298	2364
30°	2201	2270	2351
35°	2141	2238	2343
40°	2072	2211	2337
45°	1996	2184	2334
50°	1922	2160	2341
55°	1841	2143	2334
60°	1754	2112	2318
65°	1650	2106	2319
70°	1554	2088	2252
75°	1348	2041	1925
80°	1089	1645	1283
85°	722	570	382



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.0	3.4
10°-20°	227.6	9.6
20°-30°	341.4	14.4
30°-40°	407.3	17.2
40°-50°	421.1	17.7
50°-60°	384.5	16.2
60°-70°	302.5	12.7
70°-80°	176.1	7.4
80°-90°	32.4	1.4
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°	649.1	27.4
0°-40°	1056.4	44.5
0°-60°	1861.9	78.5
0°-90°	2373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2373.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	847	847	847	847	847	
5°	845	842	838	845	844	80
15°	801	802	804	814	814	226
25°	725	728	738	755	759	334
35°	621	629	650	674	680	388
45°	500	517	547	578	585	386
55°	374	394	435	467	474	335
65°	247	273	315	340	347	245
75°	124	153	187	184	176	131
85°	22	32	18	14	12	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	847.1	847.1	847.1	847.1	847.1
2.5°	848.3	846.0	842.4	848.3	847.1
5°	844.8	842.4	837.8	844.8	843.5
7.5°	837.8	835.3	833.0	840.1	838.9
10°	828.2	827.1	825.9	834.2	833.0
12.5°	816.6	816.6	815.4	824.8	824.8
15°	801.3	802.4	803.6	814.1	814.1
17.5°	787.2	786.0	789.5	801.3	802.4
20°	767.1	769.4	774.2	788.3	789.5
22.5°	747.1	749.5	757.7	771.9	775.3
25°	724.7	728.3	737.7	755.3	758.9
27.5°	701.2	706.0	718.8	737.7	741.2
30°	675.3	682.3	696.5	717.7	721.3
32.5°	649.5	656.5	674.1	695.3	700.1
35°	621.2	629.4	649.5	674.1	680.0
37.5°	591.8	602.3	626.0	650.6	657.7
40°	562.4	574.2	600.0	626.0	634.2
42.5°	533.0	544.8	572.9	602.3	610.7
45°	500.0	516.6	547.1	577.7	584.7
47.5°	468.3	486.0	520.0	550.6	560.1
50°	437.7	455.3	491.8	523.6	533.0
52.5°	406.0	424.7	463.5	496.5	504.7
55°	374.1	394.2	435.4	467.1	474.2
57.5°	342.4	363.6	406.0	436.5	444.8
60°	310.7	333.0	374.1	404.7	410.6
62.5°	278.8	302.3	344.7	371.8	377.7
65°	247.1	272.9	315.3	340.1	347.2
67.5°	216.5	242.3	283.6	307.1	313.0
70°	188.3	211.8	253.0	270.6	272.9
72.5°	153.0	182.4	222.3	231.8	225.9
75°	123.6	153.0	187.1	183.5	176.5
77.5°	94.1	123.6	145.9	134.1	124.7
80°	67.0	96.4	101.2	83.5	78.9
82.5°	43.5	67.0	56.5	43.5	35.3
85°	22.3	31.7	17.6	14.1	11.8
87.5°	7.1	4.8	2.3	2.3	1.2
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)