

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: P731826

Luminaire Tested: **14CZ2-25-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731826  
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-2700K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

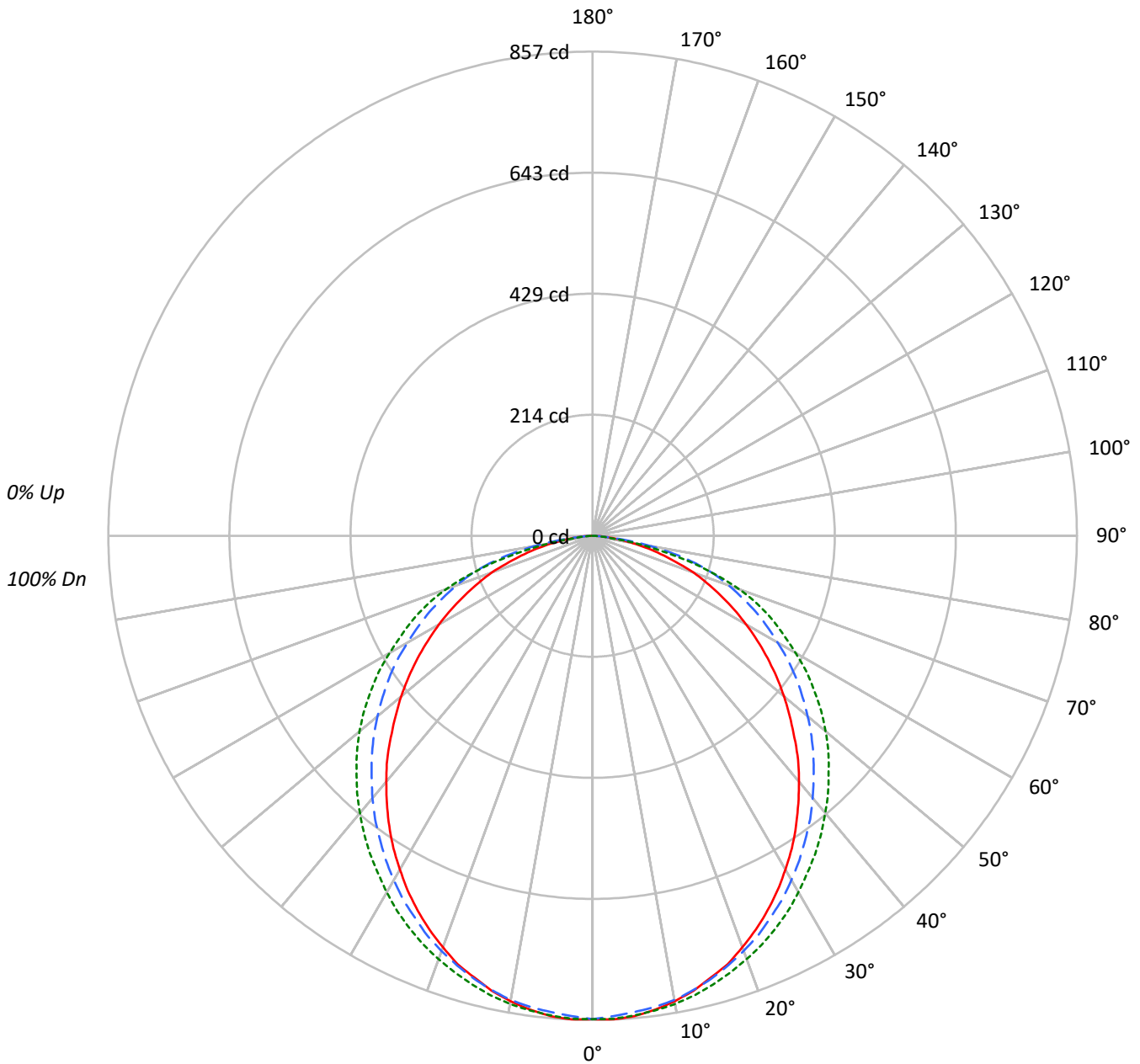
Lumens per Lamp: N/A  
Luminaire Lumens: 2397.0 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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°	2415	2415	2415
5°	2418	2398	2414
10°	2398	2391	2412
15°	2365	2372	2403
20°	2328	2349	2395
25°	2280	2321	2388
30°	2223	2293	2375
35°	2162	2260	2367
40°	2093	2233	2360
45°	2016	2206	2358
50°	1941	2181	2364
55°	1860	2164	2357
60°	1772	2133	2341
65°	1667	2127	2342
70°	1570	2109	2275
75°	1361	2061	1943
80°	1100	1661	1296
85°	732	576	385



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.8	3.4
10°-20°	229.9	9.6
20°-30°	344.9	14.4
30°-40°	411.4	17.2
40°-50°	425.3	17.7
50°-60°	388.3	16.2
60°-70°	305.6	12.7
70°-80°	177.9	7.4
80°-90°	32.8	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°	655.6	27.4
0°-40°	1067.1	44.5
0°-60°	1880.7	78.5
0°-90°	2397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2397.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	853	851	846	853	852	81
15°	809	811	812	822	822	228
25°	732	736	745	763	767	337
35°	628	636	656	681	687	392
45°	505	522	553	584	591	390
55°	378	398	440	472	479	338
65°	250	276	318	344	351	248
75°	125	154	189	185	178	133
85°	23	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°	855.7	855.7	855.7	855.7	855.7
2.5°	856.9	854.5	850.9	856.9	855.7
5°	853.4	850.9	846.2	853.4	852.1
7.5°	846.2	843.8	841.4	848.6	847.4
10°	836.6	835.5	834.3	842.6	841.4
12.5°	824.8	824.8	823.7	833.1	833.1
15°	809.4	810.6	811.7	822.3	822.3
17.5°	795.1	794.0	797.4	809.4	810.6
20°	774.9	777.2	782.0	796.3	797.4
22.5°	754.6	757.1	765.4	779.7	783.2
25°	732.1	735.7	745.2	762.9	766.6
27.5°	708.3	713.1	726.1	745.2	748.7
30°	682.1	689.2	703.5	724.9	728.6
32.5°	656.0	663.2	680.9	702.4	707.2
35°	627.5	635.8	656.0	680.9	686.9
37.5°	597.8	608.4	632.3	657.2	664.3
40°	568.1	580.0	606.1	632.3	640.6
42.5°	538.4	550.3	578.7	608.4	616.9
45°	505.0	521.8	552.6	583.5	590.7
47.5°	473.0	490.9	525.3	556.1	565.8
50°	442.1	459.9	496.7	528.9	538.4
52.5°	410.1	429.0	468.2	501.5	509.8
55°	377.9	398.1	439.8	471.8	479.0
57.5°	345.9	367.3	410.1	441.0	449.3
60°	313.8	336.4	377.9	408.8	414.7
62.5°	281.6	305.4	348.2	375.6	381.5
65°	249.6	275.7	318.5	343.5	350.7
67.5°	218.7	244.8	286.4	310.2	316.2
70°	190.2	213.9	255.6	273.3	275.7
72.5°	154.5	184.2	224.6	234.2	228.2
75°	124.8	154.5	189.0	185.4	178.2
77.5°	95.1	124.8	147.4	135.4	126.0
80°	67.7	97.4	102.2	84.3	79.7
82.5°	44.0	67.7	57.1	44.0	35.7
85°	22.6	32.0	17.8	14.3	11.9
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)