

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: P731812

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731812  
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: 14CZ2-25-B2750-W2D-3000K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

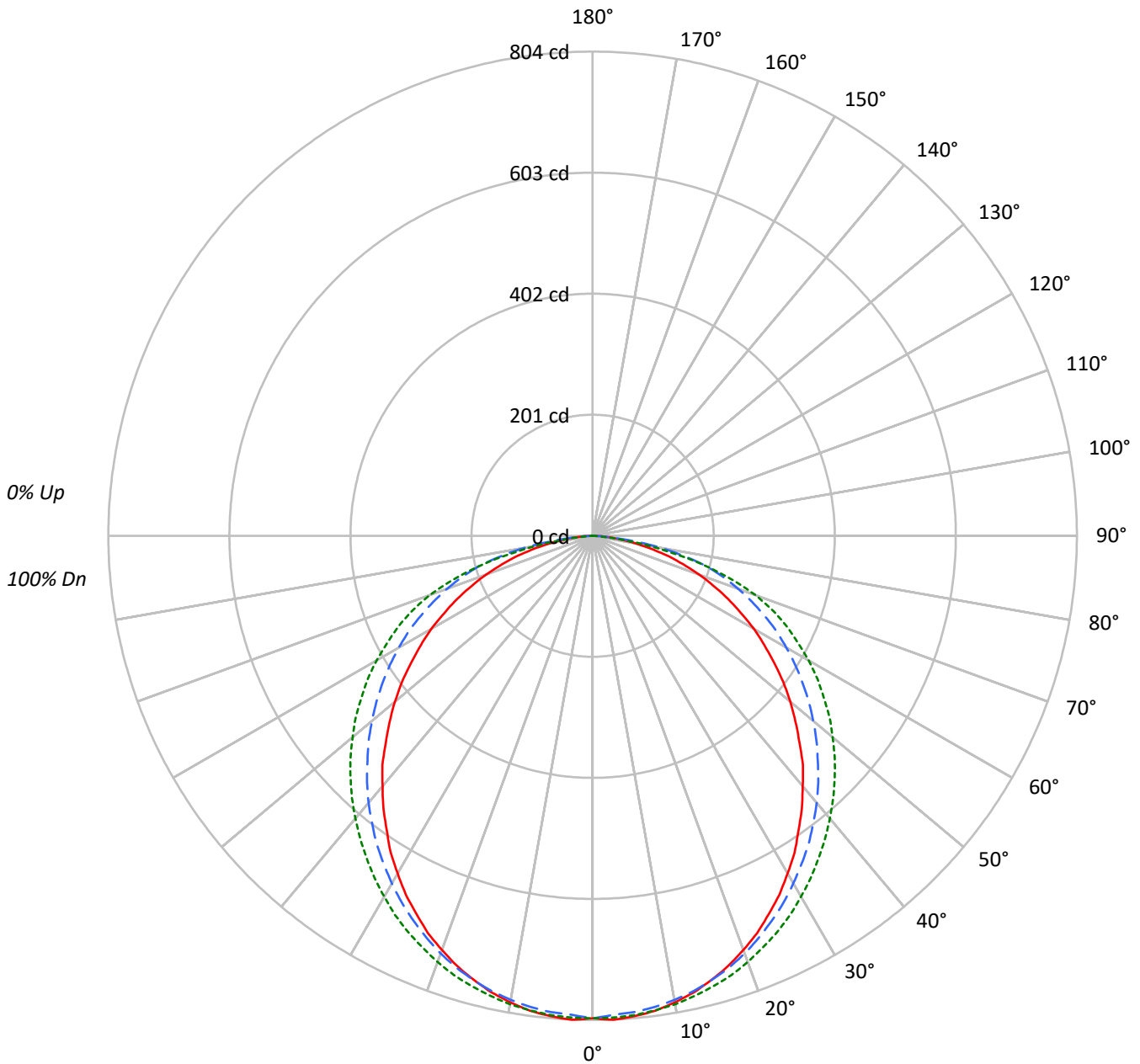
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2326.0 lumens  
Efficiency: N/A  
Efficacy: 122.4 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): 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	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	89	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°	2262	2262	2262
5°	2269	2250	2263
10°	2255	2243	2264
15°	2231	2232	2263
20°	2198	2217	2262
25°	2156	2195	2260
30°	2110	2172	2255
35°	2054	2154	2254
40°	1999	2133	2257
45°	1938	2110	2269
50°	1881	2100	2284
55°	1810	2093	2305
60°	1745	2097	2337
65°	1656	2103	2373
70°	1554	2119	2371
75°	1408	2138	2144
80°	1156	1845	1525
85°	855	874	353



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.8	3.3
10°-20°	216.6	9.3
20°-30°	326.3	14.0
30°-40°	391.6	16.8
40°-50°	408.1	17.5
50°-60°	377.8	16.2
60°-70°	305.3	13.1
70°-80°	186.1	8.0
80°-90°	38.4	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°	618.7	26.6
0°-40°	1010.3	43.4
0°-60°	1796.2	77.2
0°-90°	2326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2326.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	801	799	794	800	799	76
15°	764	764	764	774	774	215
25°	692	696	705	722	726	319
35°	596	605	625	648	654	373
45°	486	500	528	558	568	375
55°	368	387	425	458	468	329
65°	248	272	315	346	355	245
75°	129	158	196	199	197	136
85°	26	39	27	15	11	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	801.3	801.3	801.3	801.3	801.3
2.5°	804.5	801.9	796.2	801.9	800.8
5°	800.8	798.8	794.0	799.8	798.8
7.5°	795.6	793.5	789.3	796.2	795.0
10°	786.8	785.8	782.6	790.5	789.9
12.5°	776.5	775.9	774.3	783.2	782.6
15°	763.5	763.9	763.9	774.3	774.3
17.5°	748.9	749.9	752.1	763.5	765.1
20°	731.8	733.9	738.1	751.1	753.1
22.5°	714.2	715.8	721.9	737.5	739.6
25°	692.4	696.5	704.8	722.5	725.6
27.5°	671.7	675.2	686.7	704.8	710.1
30°	647.3	653.0	666.5	686.2	692.0
32.5°	624.0	630.1	645.7	668.5	673.7
35°	596.0	605.3	625.0	647.8	654.0
37.5°	570.6	579.3	601.7	626.6	633.8
40°	542.5	553.4	578.9	605.3	612.6
42.5°	516.6	526.9	554.4	581.4	591.3
45°	485.5	500.0	528.5	558.0	568.4
47.5°	456.9	471.5	504.2	535.7	545.2
50°	428.4	443.9	478.2	510.9	520.2
52.5°	398.8	415.5	452.2	484.9	495.9
55°	367.7	387.0	425.4	458.5	468.3
57.5°	338.1	357.8	398.8	432.5	442.4
60°	309.1	329.4	371.4	403.5	413.9
62.5°	277.0	300.9	344.4	376.0	383.8
65°	247.9	272.3	314.8	346.4	355.3
67.5°	217.3	243.7	286.3	315.3	323.7
70°	188.3	215.8	256.7	283.7	287.3
72.5°	157.2	185.2	226.6	243.7	243.7
75°	129.1	157.6	196.0	199.2	196.6
77.5°	98.5	130.2	155.1	148.8	142.6
80°	71.1	102.2	113.5	102.2	93.8
82.5°	47.7	74.1	68.4	54.4	48.3
85°	26.4	39.4	27.0	15.0	10.9
87.5°	9.9	8.9	2.6	2.6	2.6
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)