

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: P731811

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731811  
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-2700K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

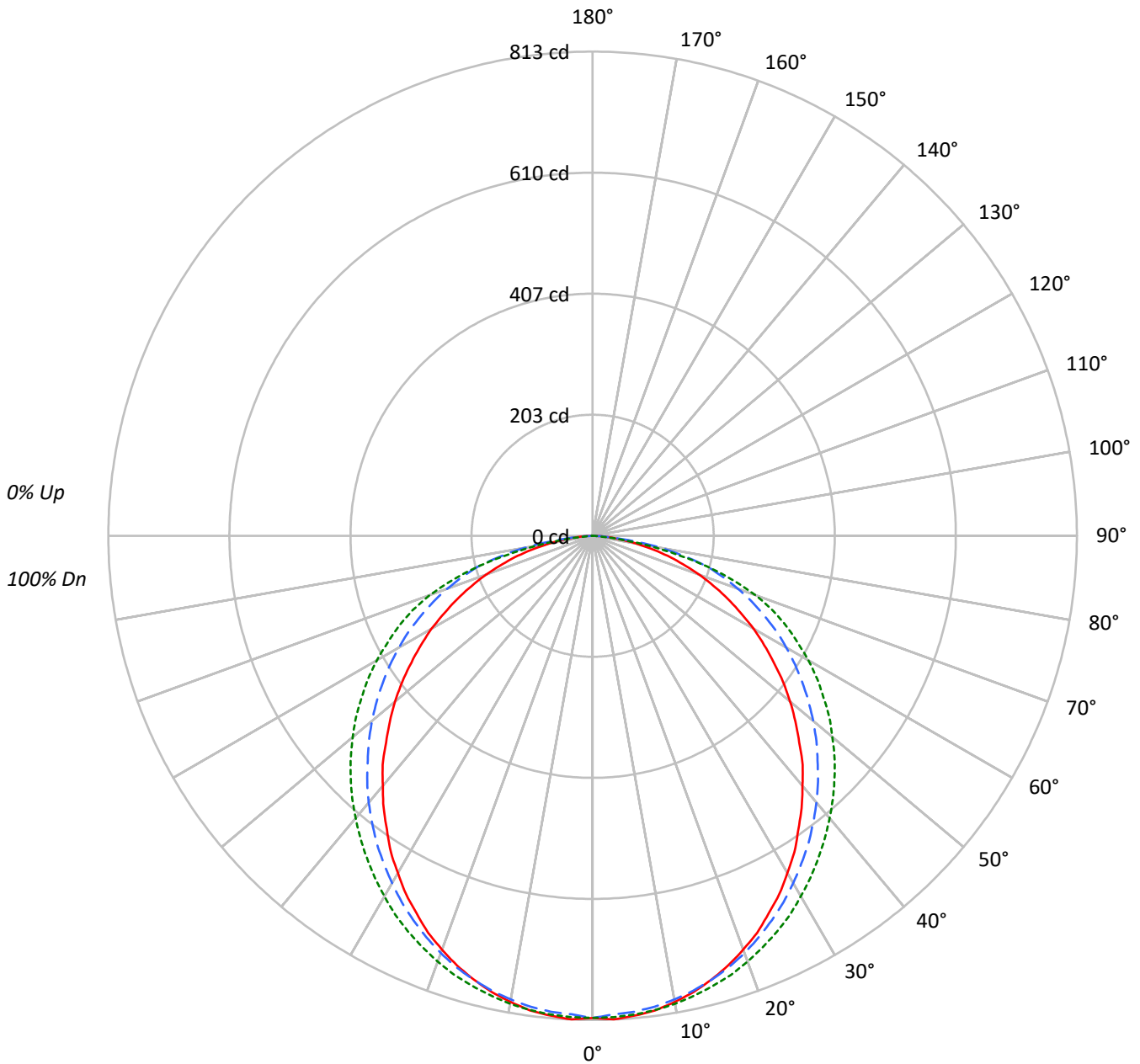
Lumens per Lamp: N/A  
Luminaire Lumens: 2350.0 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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°	2285	2285	2285
5°	2292	2273	2287
10°	2278	2266	2288
15°	2254	2255	2286
20°	2221	2240	2285
25°	2179	2218	2283
30°	2131	2195	2279
35°	2075	2176	2277
40°	2019	2155	2280
45°	1958	2131	2293
50°	1901	2121	2308
55°	1828	2115	2329
60°	1763	2118	2361
65°	1672	2125	2397
70°	1571	2141	2396
75°	1422	2160	2166
80°	1167	1864	1541
85°	865	884	356



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.6	3.3
10°-20°	218.8	9.3
20°-30°	329.7	14.0
30°-40°	395.6	16.8
40°-50°	412.3	17.5
50°-60°	381.7	16.2
60°-70°	308.4	13.1
70°-80°	188.0	8.0
80°-90°	38.8	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°	625.1	26.6
0°-40°	1020.7	43.4
0°-60°	1814.7	77.2
0°-90°	2350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	809	807	802	808	807	77
15°	771	772	772	782	782	217
25°	700	704	712	730	733	322
35°	602	612	631	654	661	377
45°	490	505	534	564	574	379
55°	372	391	430	463	473	333
65°	250	275	318	350	359	248
75°	130	159	198	201	199	137
85°	27	40	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°	809.6	809.6	809.6	809.6	809.6
2.5°	812.8	810.2	804.4	810.2	809.0
5°	809.0	807.0	802.2	808.0	807.0
7.5°	803.8	801.7	797.5	804.4	803.2
10°	794.9	793.9	790.7	798.6	798.1
12.5°	784.5	783.9	782.3	791.3	790.7
15°	771.4	771.8	771.8	782.3	782.3
17.5°	756.7	757.7	759.8	771.4	773.0
20°	739.3	741.5	745.7	758.8	760.8
22.5°	721.6	723.2	729.4	745.1	747.3
25°	699.5	703.7	712.1	730.0	733.1
27.5°	678.6	682.2	693.8	712.1	717.4
30°	653.9	659.7	673.4	693.3	699.1
32.5°	630.4	636.6	652.4	675.4	680.6
35°	602.1	611.5	631.4	654.5	660.7
37.5°	576.5	585.3	607.9	633.0	640.4
40°	548.0	559.2	584.8	611.5	618.9
42.5°	521.9	532.3	560.2	587.4	597.4
45°	490.5	505.2	533.9	563.8	574.3
47.5°	461.6	476.4	509.4	541.3	550.8
50°	432.8	448.5	483.1	516.2	525.5
52.5°	402.9	419.8	456.9	489.9	501.0
55°	371.5	390.9	429.8	463.2	473.2
57.5°	341.6	361.5	402.9	437.0	446.9
60°	312.3	332.8	375.2	407.7	418.2
62.5°	279.9	304.0	348.0	379.8	387.8
65°	250.4	275.1	318.1	350.0	358.9
67.5°	219.6	246.3	289.2	318.5	327.0
70°	190.3	218.0	259.4	286.6	290.3
72.5°	158.8	187.1	228.9	246.3	246.3
75°	130.4	159.3	198.1	201.2	198.6
77.5°	99.5	131.6	156.7	150.3	144.1
80°	71.8	103.3	114.7	103.3	94.8
82.5°	48.2	74.9	69.1	55.0	48.8
85°	26.7	39.8	27.3	15.1	11.0
87.5°	10.0	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)