

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: P731813

Luminaire Tested: **14CZ2-25-B2750-W2D-3500K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731813  
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-3500K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

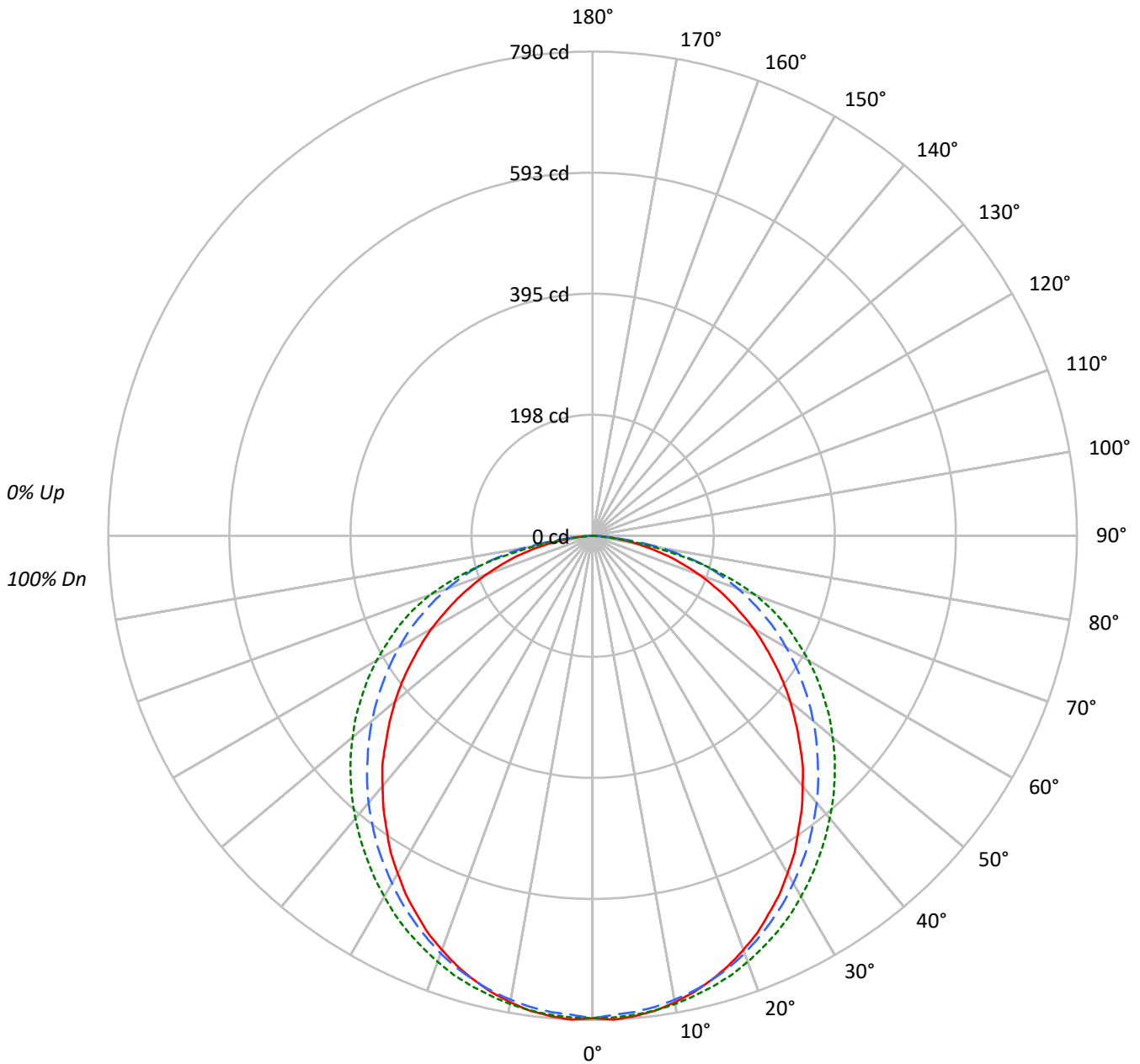
Lumens per Lamp: N/A  
Luminaire Lumens: 2285.0 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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					20					
RC	80					70					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°	2222	2222	2222
5°	2229	2210	2223
10°	2215	2204	2224
15°	2192	2193	2223
20°	2159	2178	2222
25°	2118	2156	2220
30°	2072	2134	2216
35°	2018	2116	2214
40°	1964	2096	2217
45°	1904	2072	2229
50°	1848	2063	2244
55°	1778	2057	2264
60°	1714	2059	2295
65°	1626	2066	2331
70°	1527	2081	2329
75°	1383	2100	2107
80°	1136	1812	1499
85°	842	858	347



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.5	3.3
10°-20°	212.8	9.3
20°-30°	320.5	14.0
30°-40°	384.7	16.8
40°-50°	400.9	17.5
50°-60°	371.2	16.2
60°-70°	299.9	13.1
70°-80°	182.8	8.0
80°-90°	37.7	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°	607.8	26.6
0°-40°	992.5	43.4
0°-60°	1764.6	77.2
0°-90°	2285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2285.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	787	787	787	787	787	
5°	787	785	780	786	785	75
15°	750	750	750	761	761	211
25°	680	684	692	710	713	313
35°	586	595	614	636	642	367
45°	477	491	519	548	558	369
55°	361	380	418	450	460	324
65°	244	268	309	340	349	241
75°	127	155	193	196	193	133
85°	26	39	26	15	11	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	787.2	787.2	787.2	787.2	787.2
2.5°	790.3	787.8	782.2	787.8	786.6
5°	786.6	784.7	780.0	785.7	784.7
7.5°	781.6	779.5	775.4	782.2	781.0
10°	772.9	771.9	768.8	776.5	776.0
12.5°	762.8	762.2	760.7	769.4	768.8
15°	750.0	750.5	750.5	760.7	760.7
17.5°	735.7	736.7	738.8	750.0	751.6
20°	718.9	721.0	725.1	737.8	739.8
22.5°	701.6	703.2	709.2	724.5	726.6
25°	680.2	684.2	692.4	709.8	712.9
27.5°	659.8	663.3	674.6	692.4	697.6
30°	635.8	641.5	654.8	674.1	679.8
32.5°	613.0	619.0	634.3	656.7	661.8
35°	585.5	594.6	614.0	636.4	642.4
37.5°	560.5	569.1	591.1	615.5	622.7
40°	532.9	543.7	568.7	594.6	601.8
42.5°	507.5	517.6	544.7	571.2	580.9
45°	476.9	491.2	519.1	548.2	558.4
47.5°	448.9	463.2	495.3	526.3	535.6
50°	420.8	436.1	469.8	501.9	511.0
52.5°	391.8	408.2	444.2	476.4	487.2
55°	361.2	380.1	417.9	450.4	460.1
57.5°	332.2	351.5	391.8	424.9	434.6
60°	303.7	323.6	364.8	396.4	406.6
62.5°	272.1	295.6	338.3	369.3	377.0
65°	243.5	267.5	309.3	340.3	349.0
67.5°	213.5	239.4	281.2	309.7	318.0
70°	185.0	211.9	252.2	278.7	282.2
72.5°	154.4	181.9	222.6	239.4	239.4
75°	126.8	154.9	192.6	195.7	193.2
77.5°	96.8	127.9	152.3	146.2	140.1
80°	69.9	100.4	111.5	100.4	92.2
82.5°	46.9	72.8	67.2	53.4	47.4
85°	26.0	38.7	26.5	14.7	10.7
87.5°	9.7	8.7	2.5	2.5	2.5
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)