

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: P731796

Luminaire Tested: **14CZ2-20-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CZ2-20-RDP-B2750-W2D-2700K  
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

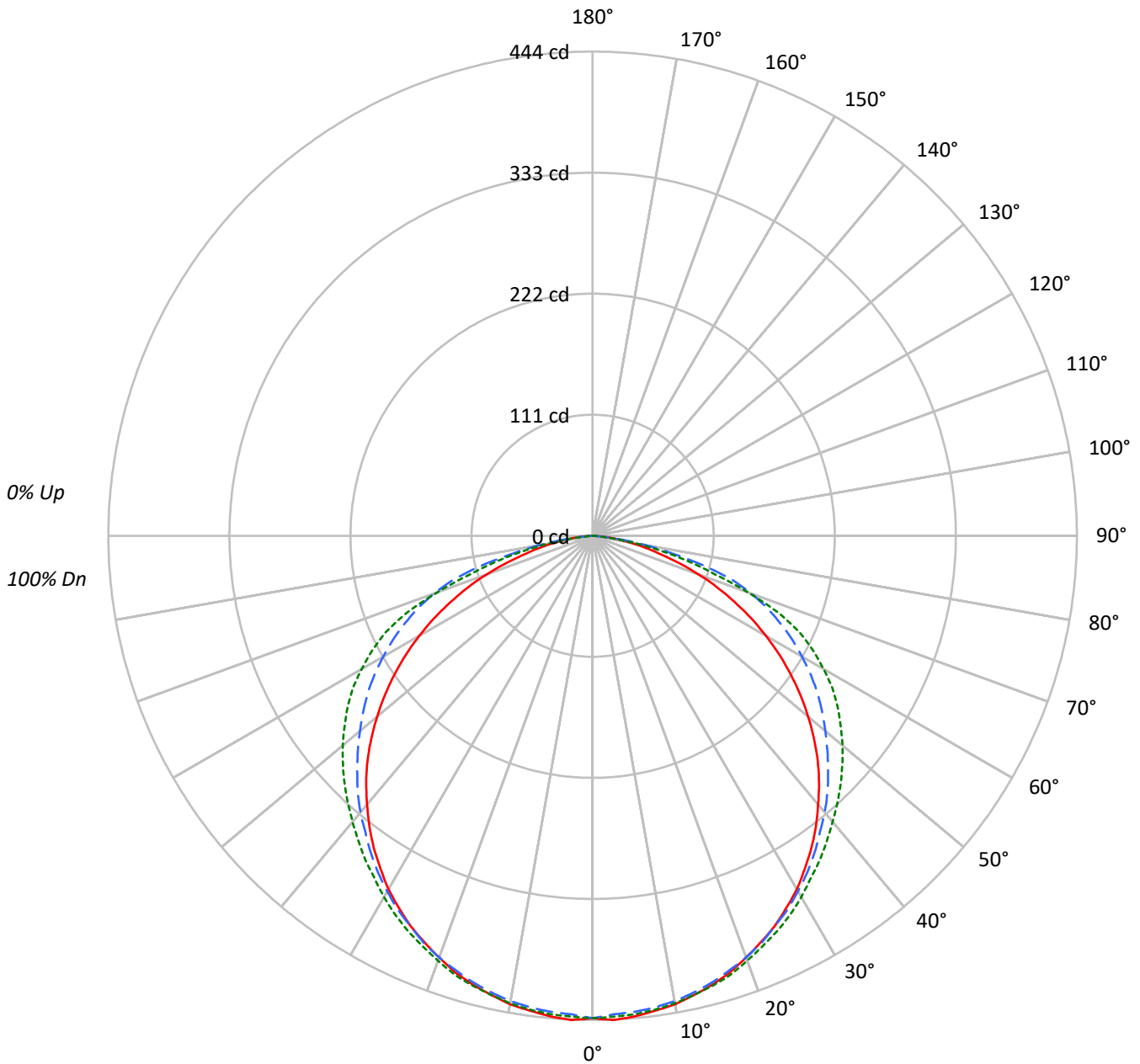
Lumens per Lamp: N/A  
Luminaire Lumens: 1321.0 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.4  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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	93	91	88	90	88	86	84																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	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	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23																			

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

	0°	45°	90°
0°	1249	1249	1249
5°	1254	1242	1248
10°	1250	1242	1247
15°	1245	1239	1248
20°	1236	1236	1245
25°	1230	1230	1246
30°	1220	1227	1247
35°	1205	1223	1251
40°	1185	1220	1262
45°	1165	1219	1284
50°	1133	1223	1313
55°	1091	1239	1350
60°	1036	1252	1380
65°	958	1267	1398
70°	852	1277	1251
75°	687	1147	1001
80°	536	806	653
85°	369	233	168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.9	3.2
10°-20°	120.1	9.1
20°-30°	182.9	13.8
30°-40°	222.8	16.9
40°-50°	236.4	17.9
50°-60°	223.1	16.9
60°-70°	180.1	13.6
70°-80°	97.7	7.4
80°-90°	15.8	1.2
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°	345.0	26.1
0°-40°	567.8	43.0
0°-60°	1027.3	77.8
0°-90°	1321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1321.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	442	441	438	441	440	42
15°	426	425	424	427	427	120
25°	395	394	395	399	400	182
35°	350	352	355	362	363	219
45°	292	296	305	317	322	225
55°	222	231	252	268	274	198
65°	143	161	190	205	209	142
75°	63	92	105	95	92	69
85°	11	12	7	6	5	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	442.4	442.4	442.4	442.4	442.4
2.5°	444.5	442.4	439.3	442.4	441.4
5°	442.4	441.4	438.3	441.4	440.4
7.5°	439.3	439.3	436.2	438.3	438.3
10°	436.2	435.2	433.2	436.2	435.2
12.5°	431.1	430.1	429.0	432.1	431.1
15°	425.9	424.9	423.9	427.0	427.0
17.5°	419.7	418.7	417.7	421.8	421.8
20°	411.5	411.5	411.5	415.6	414.6
22.5°	403.3	403.3	404.3	408.4	407.4
25°	395.0	394.0	395.0	399.1	400.1
27.5°	384.7	385.7	386.7	390.9	391.9
30°	374.4	375.4	376.5	381.6	382.6
32.5°	362.0	364.1	366.1	372.3	372.3
35°	349.7	351.7	354.8	362.0	363.1
37.5°	336.3	338.3	342.4	350.7	352.7
40°	321.7	324.9	331.1	339.3	342.4
42.5°	307.3	311.5	318.7	327.9	332.1
45°	291.9	295.9	305.3	316.7	321.7
47.5°	275.3	280.5	291.9	306.3	310.5
50°	257.9	265.1	278.5	293.9	299.1
52.5°	240.3	248.5	265.1	281.5	286.7
55°	221.7	231.0	251.7	268.1	274.3
57.5°	203.1	213.5	237.1	254.7	260.9
60°	183.5	195.9	221.7	239.3	244.5
62.5°	164.0	178.4	206.3	223.7	227.9
65°	143.4	160.9	189.7	205.3	209.3
67.5°	123.8	144.4	173.3	184.6	184.6
70°	103.2	125.8	154.7	157.8	151.6
72.5°	82.5	108.3	134.1	122.7	117.6
75°	63.0	91.8	105.2	94.9	91.8
77.5°	47.4	74.2	74.2	68.0	66.0
80°	33.0	56.8	49.6	43.4	40.2
82.5°	21.6	32.0	25.8	20.6	17.6
85°	11.4	12.4	7.2	6.2	5.2
87.5°	4.2	2.0	1.0	2.0	1.0
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)