

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: P731971

Luminaire Tested: **22CZ2-24HE-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731971  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-24HE-RDP-B2750-W2D-2700K  
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

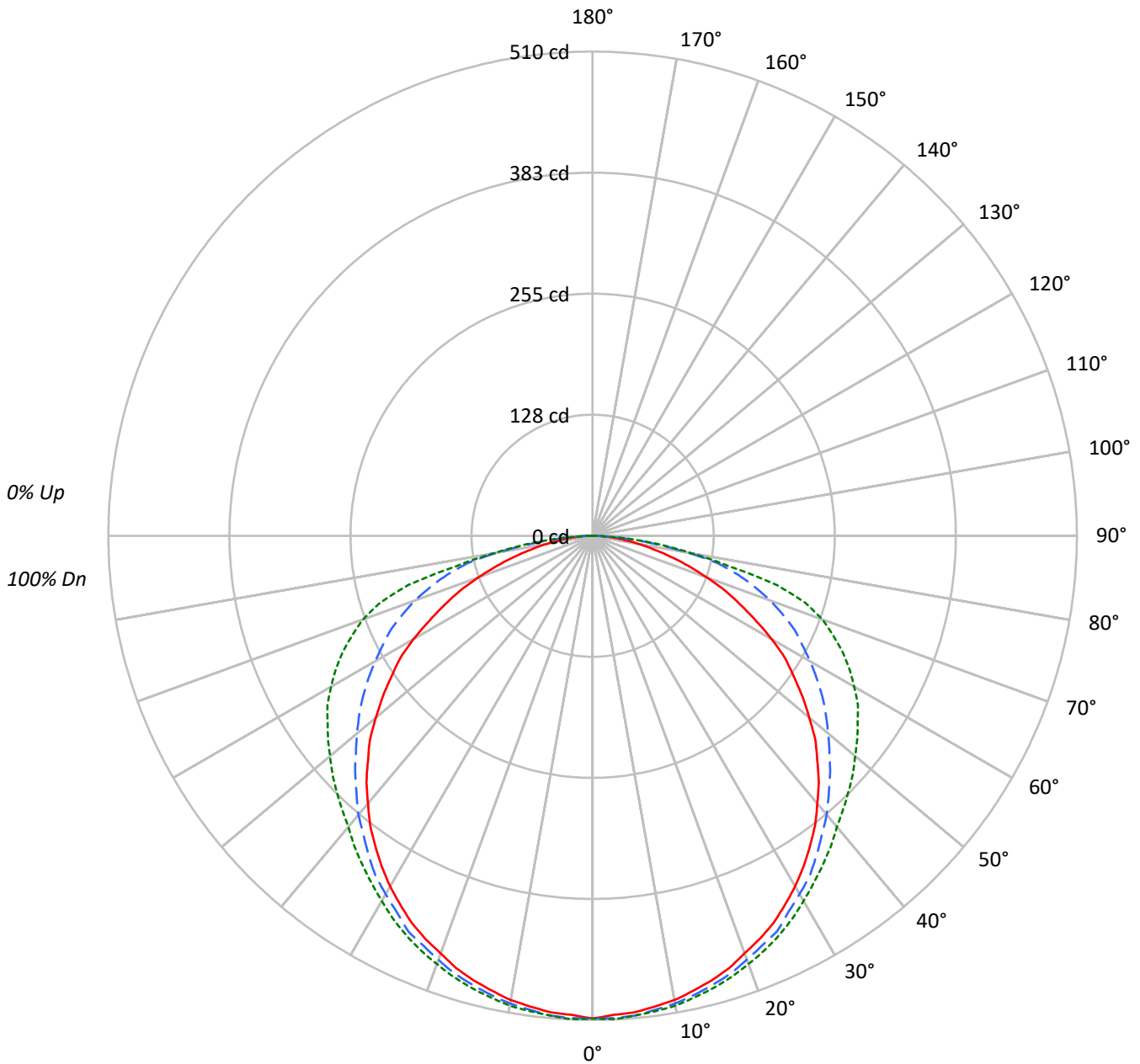
Lumens per Lamp: N/A  
Luminaire Lumens: 1619.1 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
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	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82			
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67			
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55			
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47			
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35			
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31			
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27			
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22			

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

	0°	45°	90°
0°	1443	1443	1443
5°	1435	1445	1445
10°	1431	1441	1448
15°	1424	1438	1449
20°	1413	1435	1449
25°	1410	1439	1454
30°	1397	1428	1455
35°	1382	1424	1465
40°	1363	1421	1482
45°	1343	1419	1529
50°	1315	1430	1593
55°	1279	1461	1685
60°	1237	1500	1805
65°	1152	1576	1951
70°	1057	1651	2134
75°	928	1737	2206
80°	797	1655	1732
85°	697	1201	1319



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.1	3.0
10°-20°	138.1	8.5
20°-30°	210.7	13.0
30°-40°	257.3	15.9
40°-50°	275.1	17.0
50°-60°	265.6	16.4
60°-70°	228.6	14.1
70°-80°	154.7	9.6
80°-90°	40.8	2.5
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°	397.0	24.5
0°-40°	654.3	40.4
0°-60°	1195.0	73.8
0°-90°	1619.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1619.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	508	508	508	508	508	
5°	504	505	507	507	507	48
15°	485	486	490	492	493	137
25°	450	453	460	462	464	207
35°	399	402	411	419	423	250
45°	335	341	354	372	381	258
55°	258	267	295	325	341	232
65°	172	188	235	272	291	171
75°	85	112	158	191	201	91
85°	21	30	37	38	40	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	508.5	508.5	508.5	508.5	508.5
2.5°	505.1	506.2	508.5	508.5	509.8
5°	503.8	505.1	507.3	507.3	507.3
7.5°	500.2	501.5	503.8	505.1	505.1
10°	496.6	497.9	500.2	501.5	502.6
12.5°	490.7	491.9	495.4	497.9	497.9
15°	484.7	486.0	489.6	491.9	493.1
17.5°	477.7	480.0	483.5	486.0	487.1
20°	468.0	470.5	475.2	478.8	480.0
22.5°	459.7	462.2	466.9	470.5	472.8
25°	450.3	452.6	459.7	462.2	464.5
27.5°	438.4	440.6	446.7	451.4	455.0
30°	426.4	428.7	435.9	441.8	444.2
32.5°	413.3	416.8	425.2	429.9	433.5
35°	399.1	402.5	411.0	419.3	422.9
37.5°	384.7	388.3	396.6	407.4	412.1
40°	368.1	372.8	383.6	397.8	400.2
42.5°	352.6	358.5	368.1	384.7	390.6
45°	334.6	340.7	353.7	371.7	381.1
47.5°	318.0	323.9	338.2	359.7	371.7
50°	297.8	306.1	323.9	349.0	360.9
52.5°	278.7	285.9	309.7	337.1	351.3
55°	258.5	266.8	295.3	325.2	340.7
57.5°	240.5	247.7	279.9	313.3	331.1
60°	217.9	227.5	264.4	300.1	318.0
62.5°	194.1	208.4	248.9	285.9	305.0
65°	171.6	188.2	234.7	271.5	290.6
67.5°	151.2	169.1	216.7	256.0	274.0
70°	127.4	150.0	199.0	237.0	257.2
72.5°	106.0	131.0	178.6	216.7	234.7
75°	84.6	111.9	158.4	190.6	201.2
77.5°	65.6	91.7	135.8	145.3	146.5
80°	48.8	72.6	101.3	102.4	106.0
82.5°	33.3	51.2	65.6	71.4	72.6
85°	21.4	29.8	36.9	38.2	40.5
87.5°	9.5	10.8	13.1	11.9	11.9
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)