

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: P732071

Luminaire Tested: **22CZ2-44HE-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732071  
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: 22CZ2-44HE-RDP-B2750-W2D-2700K  
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

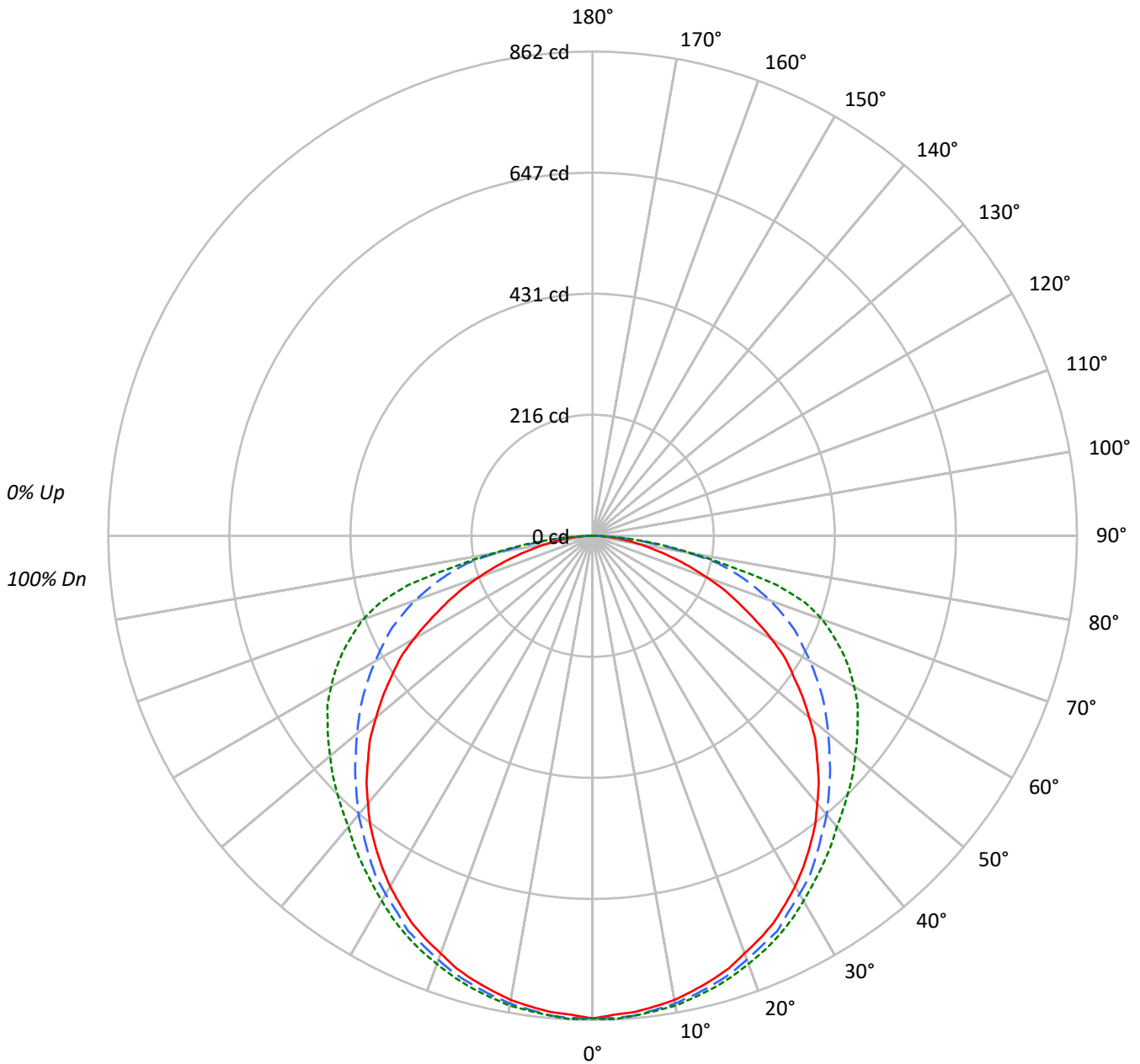
Lumens per Lamp: N/A  
Luminaire Lumens: 2736.0 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 36  
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°	2438	2438	2438
5°	2425	2442	2442
10°	2418	2436	2447
15°	2406	2430	2448
20°	2389	2425	2449
25°	2382	2432	2457
30°	2361	2414	2460
35°	2336	2406	2475
40°	2304	2401	2505
45°	2269	2399	2585
50°	2221	2416	2692
55°	2161	2469	2848
60°	2090	2536	3050
65°	1946	2663	3297
70°	1786	2789	3606
75°	1568	2934	3729
80°	1346	2796	2927
85°	1175	2028	2227



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.3	3.0
10°-20°	233.4	8.5
20°-30°	356.1	13.0
30°-40°	434.8	15.9
40°-50°	465.0	17.0
50°-60°	448.8	16.4
60°-70°	386.3	14.1
70°-80°	261.4	9.6
80°-90°	69.0	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°	670.9	24.5
0°-40°	1105.7	40.4
0°-60°	2019.4	73.8
0°-90°	2736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2736.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	851	854	857	857	857	81
15°	819	821	827	831	833	231
25°	761	765	777	781	785	350
35°	674	680	694	708	715	422
45°	566	576	598	628	644	437
55°	437	451	499	550	576	391
65°	290	318	397	459	491	288
75°	143	189	268	322	340	153
85°	36	50	62	64	68	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	859.3	859.3	859.3	859.3	859.3
2.5°	853.5	855.4	859.3	859.3	861.5
5°	851.3	853.5	857.4	857.4	857.4
7.5°	845.3	847.4	851.3	853.5	853.5
10°	839.2	841.4	845.3	847.4	849.4
12.5°	829.3	831.2	837.3	841.4	841.4
15°	819.1	821.3	827.3	831.2	833.4
17.5°	807.2	811.1	817.1	821.3	823.2
20°	791.0	795.1	803.1	809.1	811.1
22.5°	776.9	781.0	789.0	795.1	799.0
25°	760.9	764.8	776.9	781.0	784.9
27.5°	740.8	744.7	754.8	762.8	768.9
30°	720.7	724.5	736.7	746.6	750.7
32.5°	698.4	704.4	718.5	726.5	732.5
35°	674.4	680.2	694.5	708.5	714.6
37.5°	650.1	656.2	670.2	688.4	696.4
40°	622.0	630.0	648.2	672.2	676.3
42.5°	595.8	605.8	622.0	650.1	660.1
45°	565.5	575.7	597.8	628.1	644.1
47.5°	537.4	547.3	571.6	608.0	628.1
50°	503.2	517.3	547.3	589.8	609.9
52.5°	471.0	483.1	523.4	569.7	593.6
55°	436.8	450.9	499.1	549.5	575.7
57.5°	406.5	418.6	472.9	529.4	559.5
60°	368.2	384.5	446.8	507.1	537.4
62.5°	328.0	352.2	420.6	483.1	515.4
65°	289.9	318.0	396.6	458.9	491.1
67.5°	255.5	285.8	366.3	432.7	463.0
70°	215.3	253.6	336.2	400.5	434.6
72.5°	179.1	221.3	301.8	366.3	396.6
75°	143.0	189.1	267.6	322.2	340.1
77.5°	110.8	154.9	229.6	245.6	247.5
80°	82.4	122.7	171.1	173.1	179.1
82.5°	56.2	86.5	110.8	120.7	122.7
85°	36.1	50.4	62.3	64.5	68.4
87.5°	16.0	18.2	22.1	20.1	20.1
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)