

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: P732073

Luminaire Tested: **22CZ2-44HE-RDP-B2750-W2D-3500K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732073  
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-3500K  
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

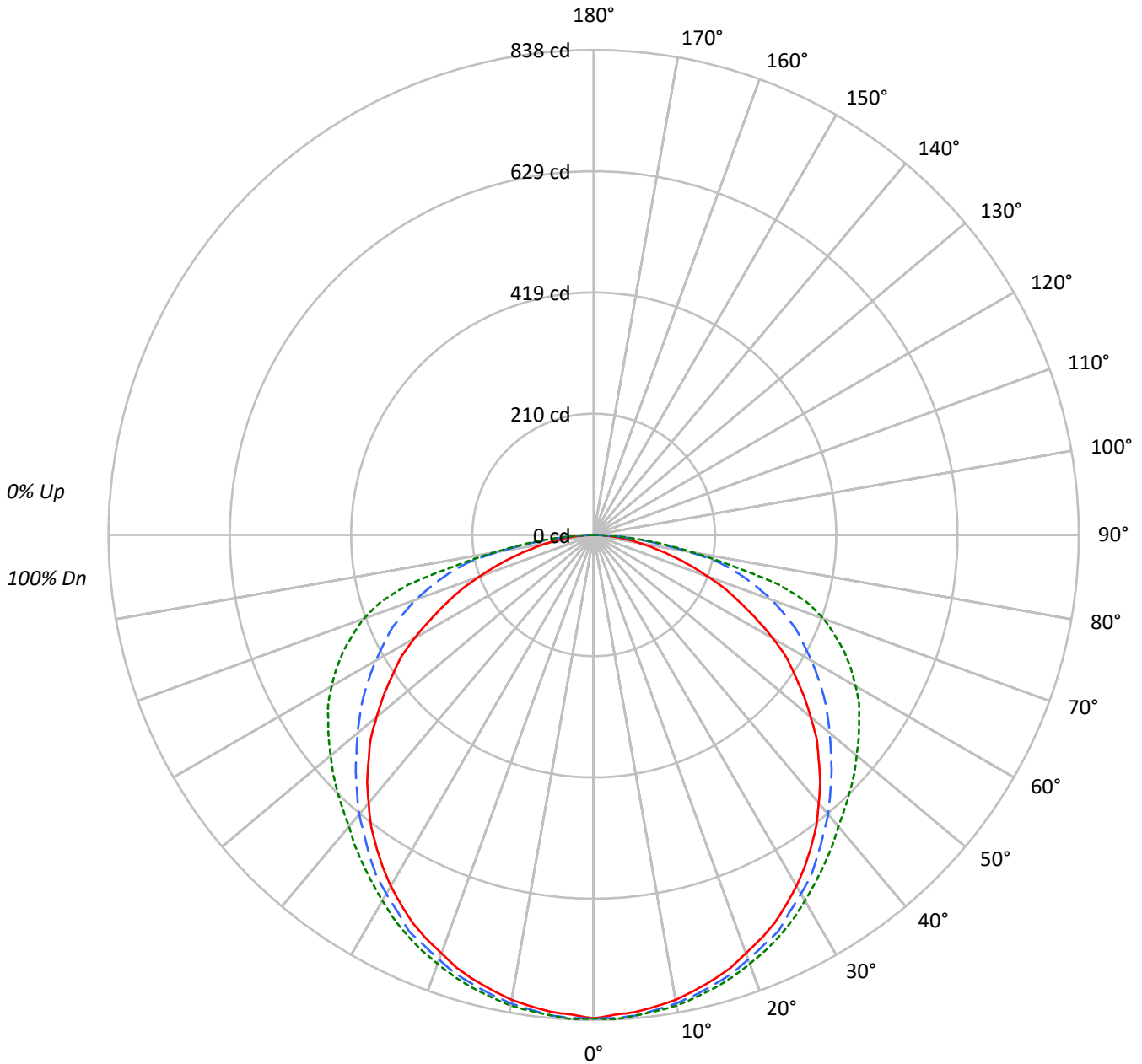
Lumens per Lamp: N/A  
Luminaire Lumens: 2660.0 lumens  
Efficiency: N/A  
Efficacy: 73.9 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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									
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	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°	2371	2371	2371
5°	2358	2374	2374
10°	2351	2368	2379
15°	2339	2363	2380
20°	2322	2358	2381
25°	2316	2365	2389
30°	2296	2347	2392
35°	2271	2339	2407
40°	2240	2334	2435
45°	2206	2332	2513
50°	2160	2349	2617
55°	2101	2400	2769
60°	2032	2465	2965
65°	1893	2589	3206
70°	1736	2712	3506
75°	1524	2853	3624
80°	1309	2719	2847
85°	1143	1973	2165



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.0	3.0
10°-20°	226.9	8.5
20°-30°	346.2	13.0
30°-40°	422.8	15.9
40°-50°	452.0	17.0
50°-60°	436.3	16.4
60°-70°	375.6	14.1
70°-80°	254.1	9.6
80°-90°	67.0	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°	652.2	24.5
0°-40°	1075.0	40.4
0°-60°	1963.3	73.8
0°-90°	2660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2660.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	828	830	834	834	834	79
15°	796	798	804	808	810	225
25°	740	744	755	759	763	340
35°	656	661	675	689	695	410
45°	550	560	581	611	626	424
55°	425	438	485	534	560	381
65°	282	309	386	446	478	280
75°	139	184	260	313	331	149
85°	35	49	61	63	66	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	835.5	835.5	835.5	835.5	835.5
2.5°	829.8	831.7	835.5	835.5	837.6
5°	827.7	829.8	833.6	833.6	833.6
7.5°	821.8	823.9	827.7	829.8	829.8
10°	815.9	818.0	821.8	823.9	825.8
12.5°	806.2	808.1	814.0	818.0	818.0
15°	796.3	798.5	804.3	808.1	810.2
17.5°	784.8	788.6	794.4	798.5	800.3
20°	769.0	773.0	780.8	786.7	788.6
22.5°	755.3	759.3	767.1	773.0	776.8
25°	739.8	743.5	755.3	759.3	763.1
27.5°	720.2	724.0	733.9	741.7	747.5
30°	700.6	704.4	716.2	725.9	729.9
32.5°	679.0	684.9	698.5	706.3	712.2
35°	655.6	661.3	675.2	688.9	694.8
37.5°	632.1	638.0	651.6	669.3	677.1
40°	604.7	612.5	630.2	653.5	657.5
42.5°	579.3	588.9	604.7	632.1	641.7
45°	549.8	559.7	581.2	610.6	626.2
47.5°	522.5	532.1	555.7	591.1	610.6
50°	489.3	502.9	532.1	573.4	592.9
52.5°	457.9	469.7	508.8	553.8	577.2
55°	424.7	438.3	485.2	534.3	559.7
57.5°	395.2	407.0	459.8	514.7	543.9
60°	358.0	373.8	434.3	493.0	522.5
62.5°	318.9	342.4	408.9	469.7	501.0
65°	281.9	309.2	385.6	446.1	477.5
67.5°	248.4	277.9	356.1	420.7	450.1
70°	209.3	246.5	326.9	389.3	422.6
72.5°	174.2	215.2	293.4	356.1	385.6
75°	139.0	183.8	260.2	313.2	330.6
77.5°	107.7	150.6	223.2	238.7	240.6
80°	80.1	119.2	166.4	168.3	174.2
82.5°	54.7	84.1	107.7	117.4	119.2
85°	35.1	49.0	60.6	62.7	66.5
87.5°	15.6	17.7	21.4	19.6	19.6
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)