

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: P880758

Luminaire Tested: **22CZ2-44VHE-RDP-B2750-W2D-3000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P880758  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474998)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-44VHE-RDP-B2750-W2D-3000K  
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

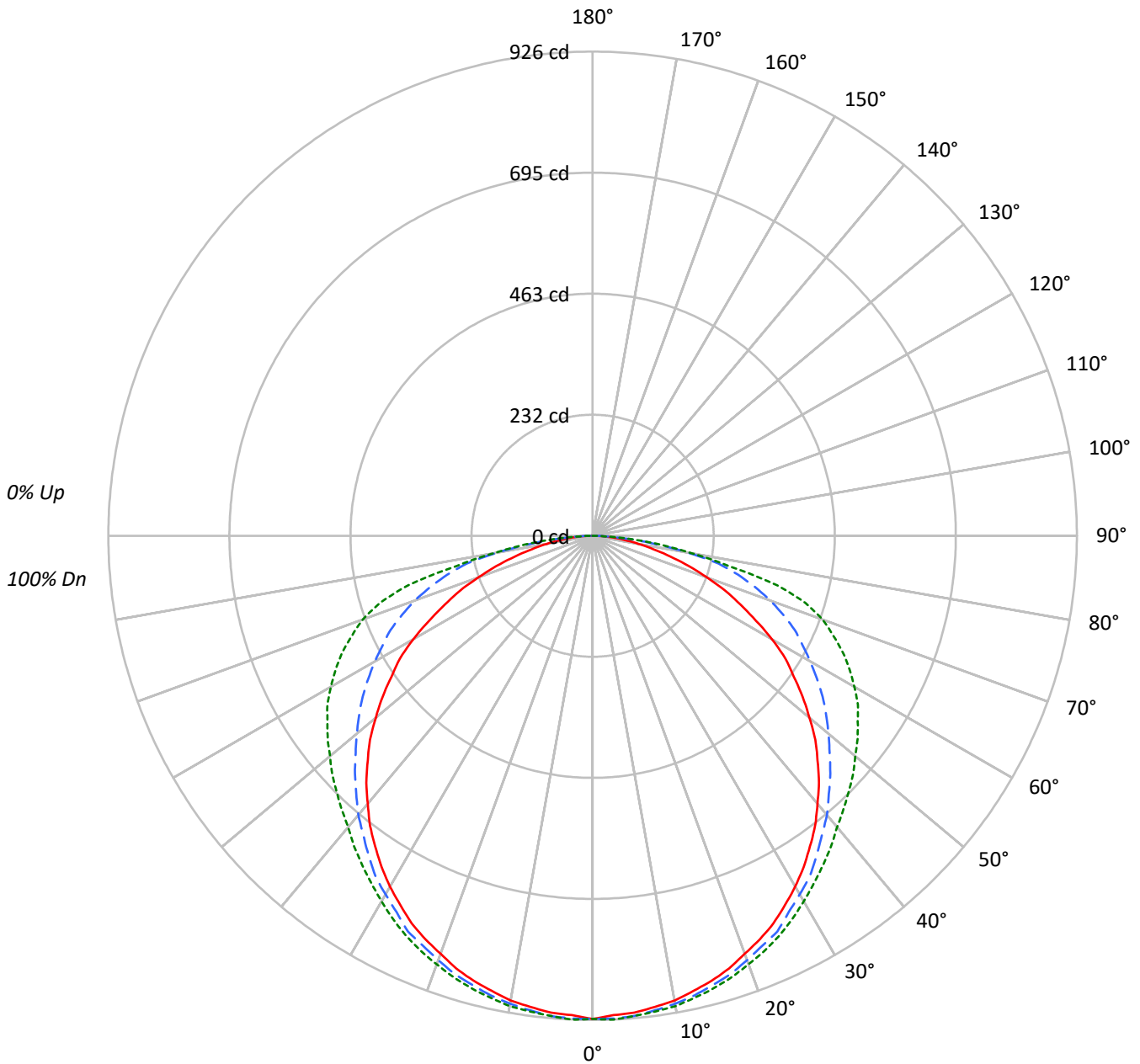
Lumens per Lamp: N/A  
Luminaire Lumens: 2941.9 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 37  
Input Voltage (V): NR  
Input Current (Ain): 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

TEST NUMBER: P880758

CATALOG NUMBER: 22CZ2-44VHE-RDP-B2750-W2D-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P880758

CATALOG NUMBER: 22CZ2-44VHE-RDP-B2750-W2D-3000K

**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°	2622	2622	2622
5°	2607	2626	2626
10°	2600	2619	2632
15°	2588	2613	2632
20°	2569	2607	2633
25°	2561	2616	2643
30°	2539	2595	2645
35°	2511	2586	2662
40°	2477	2581	2693
45°	2440	2579	2779
50°	2389	2598	2894
55°	2323	2656	3062
60°	2248	2726	3279
65°	2092	2864	3546
70°	1921	2999	3879
75°	1686	3155	4010
80°	1451	3003	3150
85°	1270	2181	2393



TEST NUMBER: P880758

CATALOG NUMBER: 22CZ2-44VHE-RDP-B2750-W2D-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.4	3.0
10°-20°	251.0	8.5
20°-30°	382.9	13.0
30°-40°	467.5	15.9
40°-50°	499.9	17.0
50°-60°	482.5	16.4
60°-70°	415.4	14.1
70°-80°	281.1	9.6
80°-90°	74.2	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°	721.3	24.5
0°-40°	1188.9	40.4
0°-60°	2171.3	73.8
0°-90°	2941.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2941.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	915	918	922	922	922	87
15°	881	883	889	894	896	248
25°	818	822	835	840	844	377
35°	725	731	747	762	768	454
45°	608	619	643	675	692	469
55°	470	485	537	591	619	421
65°	312	342	426	493	528	310
75°	154	204	288	346	366	165
85°	39	54	67	69	74	44
90°	0	0	0	0	0	



TEST NUMBER: P880758

CATALOG NUMBER: 22CZ2-44VHE-RDP-B2750-W2D-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	924.1	924.1	924.1	924.1	924.1
2.5°	917.6	919.7	924.1	924.1	926.2
5°	915.4	917.6	921.9	921.9	921.9
7.5°	908.9	911.1	915.4	917.6	917.6
10°	902.4	904.6	908.9	911.1	913.4
12.5°	891.6	893.7	900.2	904.6	904.6
15°	880.9	882.9	889.4	893.7	895.9
17.5°	867.7	872.1	878.6	882.9	885.1
20°	850.6	854.9	863.4	870.1	872.1
22.5°	835.4	839.9	848.4	854.9	859.1
25°	818.1	822.4	835.4	839.9	844.1
27.5°	796.4	800.9	811.6	820.1	826.6
30°	774.9	779.1	792.1	803.1	807.4
32.5°	750.9	757.4	772.6	781.4	787.6
35°	724.9	731.4	746.6	761.6	768.4
37.5°	699.1	705.6	720.6	740.1	748.9
40°	668.8	677.4	696.9	722.9	727.1
42.5°	640.6	651.4	668.8	699.1	709.9
45°	608.1	618.9	642.8	675.3	692.4
47.5°	577.8	588.6	614.6	653.6	675.3
50°	541.1	556.1	588.6	634.1	655.6
52.5°	506.3	519.3	562.8	612.4	638.6
55°	469.6	484.8	536.8	590.8	618.9
57.5°	437.3	450.1	508.6	569.3	601.6
60°	396.1	413.3	480.3	545.3	577.8
62.5°	352.6	378.8	452.3	519.3	553.9
65°	311.6	341.8	426.5	493.3	528.1
67.5°	274.8	307.3	394.0	465.3	497.8
70°	231.5	272.8	361.5	430.8	467.6
72.5°	192.8	238.0	324.8	394.0	426.5
75°	153.8	203.5	287.8	346.3	365.8
77.5°	119.0	166.8	246.6	264.0	266.3
80°	88.8	132.0	183.8	186.0	192.8
82.5°	60.7	93.0	119.0	129.8	132.0
85°	39.0	54.2	67.0	69.3	73.5
87.5°	17.5	19.5	23.8	21.7	21.7
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)