

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: P881126

Luminaire Tested: **22CZ2-44VHE-RDP-UNV-B40**

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: P881126
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-UNV-B40
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

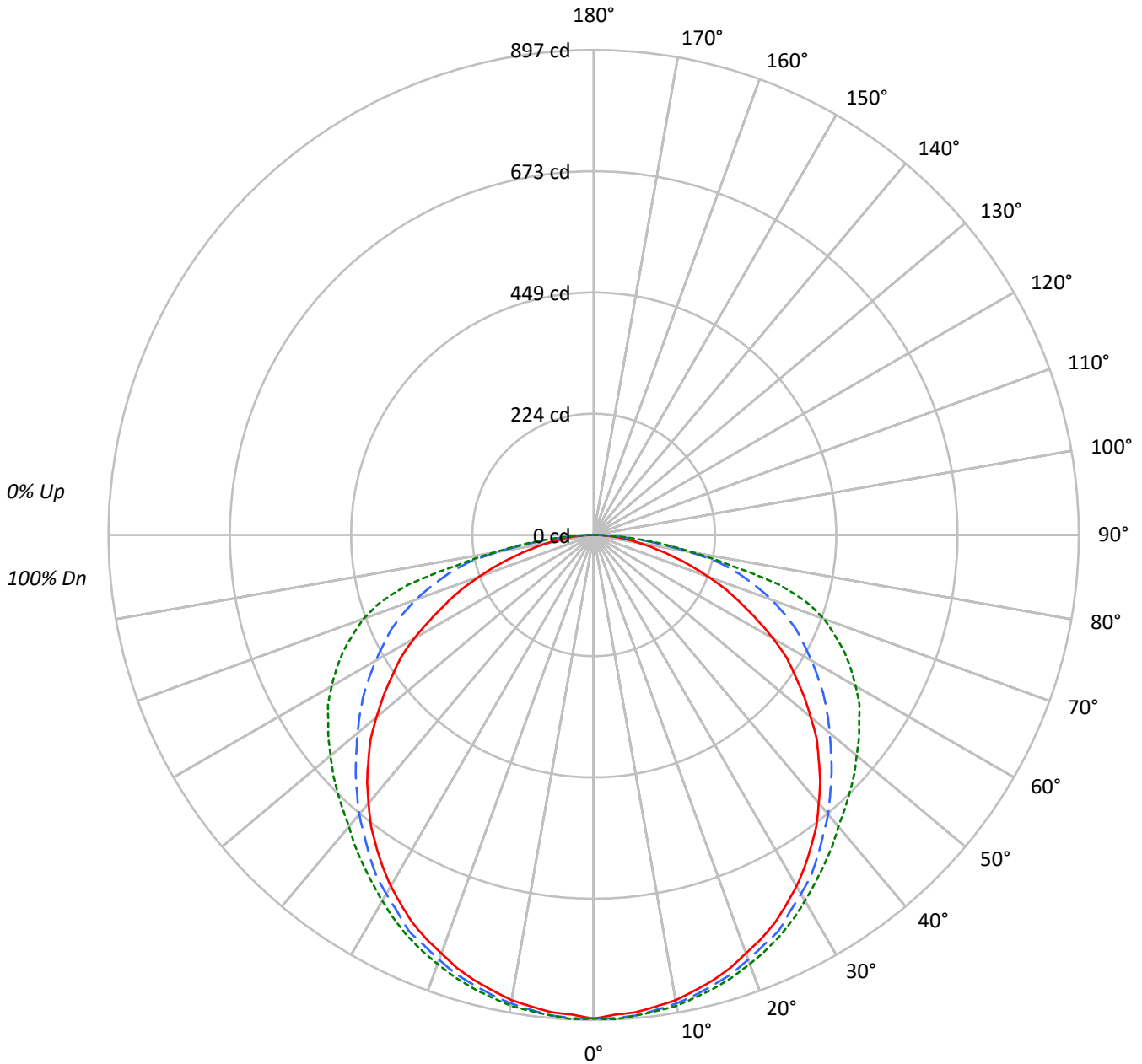
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2848.0 lumens
Efficiency: N/A
Efficacy: 77.0 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): 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: P881126
CATALOG NUMBER: 22CZ2-44VHE-RDP-UNV-B40

Luminous Intensity Polar Plot





TEST NUMBER: P881126

CATALOG NUMBER: 22CZ2-44VHE-RDP-UNV-B40

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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°	2538	2538	2538
5°	2524	2542	2542
10°	2517	2535	2548
15°	2505	2529	2548
20°	2487	2524	2549
25°	2480	2532	2559
30°	2458	2512	2561
35°	2431	2504	2577
40°	2398	2499	2607
45°	2362	2497	2690
50°	2312	2515	2802
55°	2249	2571	2964
60°	2176	2639	3175
65°	2025	2772	3432
70°	1859	2904	3755
75°	1632	3054	3882
80°	1404	2907	3049
85°	1231	2113	2318



TEST NUMBER: P881126

CATALOG NUMBER: 22CZ2-44VHE-RDP-UNV-B40

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	3.0
10°-20°	243.0	8.5
20°-30°	370.7	13.0
30°-40°	452.6	15.9
40°-50°	484.0	17.0
50°-60°	467.1	16.4
60°-70°	402.1	14.1
70°-80°	272.1	9.6
80°-90°	71.8	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°	698.3	24.5
0°-40°	1150.9	40.4
0°-60°	2102.0	73.8
0°-90°	2848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2848.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	895	895	895	895	895	
5°	886	888	892	892	892	84
15°	853	855	861	865	867	241
25°	792	796	809	813	817	364
35°	702	708	723	737	744	439
45°	589	599	622	654	670	454
55°	455	469	520	572	599	407
65°	302	331	413	478	511	300
75°	149	197	279	335	354	160
85°	38	52	65	67	71	43
90°	0	0	0	0	0	



TEST NUMBER: P881126

CATALOG NUMBER: 22CZ2-44VHE-RDP-UNV-B40

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	894.6	894.6	894.6	894.6	894.6
2.5°	888.3	890.3	894.6	894.6	896.6
5°	886.2	888.3	892.5	892.5	892.5
7.5°	879.9	882.0	886.2	888.3	888.3
10°	873.6	875.7	879.9	882.0	884.2
12.5°	863.2	865.1	871.4	875.7	875.7
15°	852.7	854.7	861.0	865.1	867.3
17.5°	839.9	844.3	850.6	854.7	856.9
20°	823.5	827.6	835.8	842.3	844.3
22.5°	808.7	813.0	821.3	827.6	831.7
25°	792.0	796.1	808.7	813.0	817.2
27.5°	770.9	775.3	785.7	793.9	800.2
30°	750.1	754.2	766.8	777.4	781.6
32.5°	726.9	733.2	747.9	756.4	762.5
35°	701.7	708.0	722.8	737.3	743.8
37.5°	676.8	683.1	697.6	716.5	724.9
40°	647.5	655.7	674.6	699.8	703.9
42.5°	620.1	630.6	647.5	676.8	687.2
45°	588.7	599.1	622.3	653.8	670.3
47.5°	559.4	569.8	595.0	632.7	653.8
50°	523.8	538.3	569.8	613.8	634.7
52.5°	490.2	502.7	544.8	592.8	618.2
55°	454.6	469.3	519.7	572.0	599.1
57.5°	423.3	435.7	492.3	551.1	582.4
60°	383.4	400.1	465.0	527.9	559.4
62.5°	341.3	366.7	437.9	502.7	536.2
65°	301.6	330.9	412.9	477.6	511.2
67.5°	266.0	297.5	381.5	450.5	481.9
70°	224.1	264.1	350.0	417.0	452.6
72.5°	186.6	230.4	314.4	381.5	412.9
75°	148.9	197.0	278.6	335.2	354.1
77.5°	115.2	161.4	238.7	255.6	257.8
80°	85.9	127.8	177.9	180.1	186.6
82.5°	58.8	90.0	115.2	125.6	127.8
85°	37.8	52.5	64.9	67.0	71.2
87.5°	16.9	18.9	23.0	21.0	21.0
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)