

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: P880757

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

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: P880757
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-2700K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

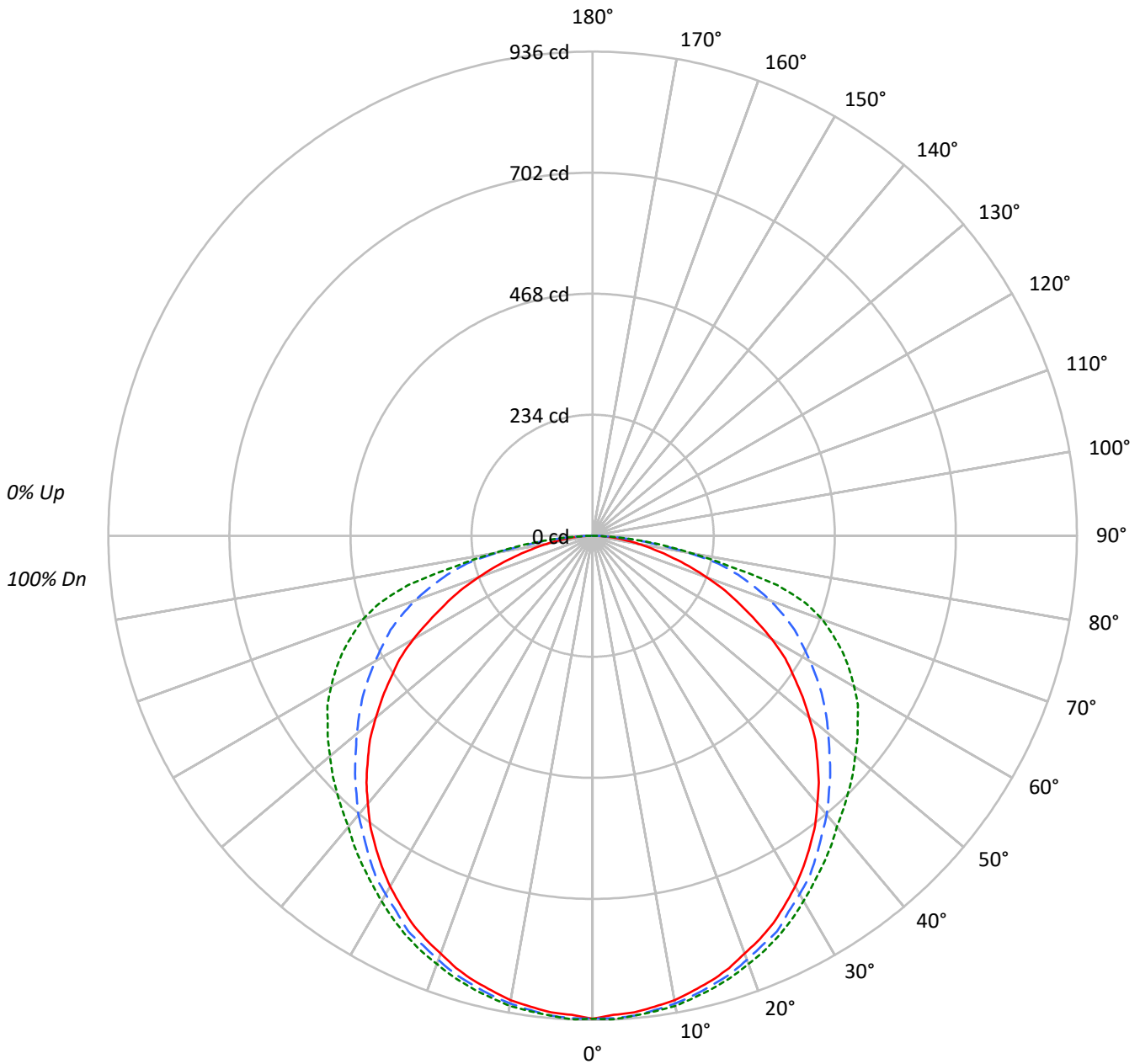
Lumens per Lamp: N/A
Luminaire Lumens: 2972.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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

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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°	2649	2649	2649
5°	2634	2653	2653
10°	2627	2646	2659
15°	2614	2639	2659
20°	2595	2634	2660
25°	2588	2642	2670
30°	2565	2622	2672
35°	2537	2613	2689
40°	2503	2608	2721
45°	2465	2606	2807
50°	2413	2625	2924
55°	2347	2683	3093
60°	2271	2754	3313
65°	2113	2893	3582
70°	1941	3030	3918
75°	1703	3187	4051
80°	1466	3034	3182
85°	1283	2204	2419



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	3.0
10°-20°	253.5	8.5
20°-30°	386.8	13.0
30°-40°	472.3	15.9
40°-50°	505.0	17.0
50°-60°	487.5	16.4
60°-70°	419.6	14.1
70°-80°	284.0	9.6
80°-90°	74.9	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°	728.7	24.5
0°-40°	1201.0	40.4
0°-60°	2193.5	73.8
0°-90°	2972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2972.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	925	927	931	931	931	88
15°	890	892	898	903	905	251
25°	826	831	844	848	853	380
35°	732	739	754	769	776	458
45°	614	625	649	682	699	474
55°	474	490	542	597	625	425
65°	315	345	431	498	534	313
75°	155	206	291	350	370	167
85°	39	55	68	70	74	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.6	933.6	933.6	933.6	933.6
2.5°	927.0	929.0	933.6	933.6	935.6
5°	924.7	927.0	931.3	931.3	931.3
7.5°	918.2	920.4	924.7	927.0	927.0
10°	911.6	913.9	918.2	920.4	922.7
12.5°	900.7	902.8	909.3	913.9	913.9
15°	889.9	891.9	898.5	902.8	905.0
17.5°	876.5	881.0	887.6	891.9	894.2
20°	859.3	863.6	872.2	879.0	881.0
22.5°	843.9	848.4	857.0	863.6	867.9
25°	826.5	830.8	843.9	848.4	852.7
27.5°	804.5	809.0	819.9	828.5	835.1
30°	782.8	787.1	800.2	811.3	815.6
32.5°	758.5	765.1	780.5	789.3	795.7
35°	732.3	738.8	754.2	769.4	776.2
37.5°	706.2	712.8	728.0	747.7	756.5
40°	675.7	684.3	704.0	730.2	734.5
42.5°	647.1	658.0	675.7	706.2	717.1
45°	614.3	625.2	649.4	682.2	699.4
47.5°	583.7	594.6	620.9	660.3	682.2
50°	546.6	561.8	594.6	640.6	662.3
52.5°	511.5	524.6	568.6	618.6	645.1
55°	474.4	489.8	542.3	596.9	625.2
57.5°	441.8	454.7	513.8	575.1	607.7
60°	400.1	417.5	485.2	550.9	583.7
62.5°	356.2	382.7	456.9	524.6	559.5
65°	314.7	345.3	430.9	498.4	533.5
67.5°	277.6	310.4	398.1	470.1	502.9
70°	233.9	275.6	365.2	435.2	472.3
72.5°	194.7	240.5	328.1	398.1	430.9
75°	155.3	205.6	290.7	349.8	369.5
77.5°	120.2	168.5	249.1	266.7	269.0
80°	89.7	133.4	185.7	187.9	194.7
82.5°	61.4	94.0	120.2	131.1	133.4
85°	39.4	54.8	67.7	70.0	74.3
87.5°	17.7	19.7	24.0	22.0	22.0
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)