

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: P731921

Luminaire Tested: **14CZ2-44-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-44-RDP-B2750-W2D-2700K
Description: 1X4 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

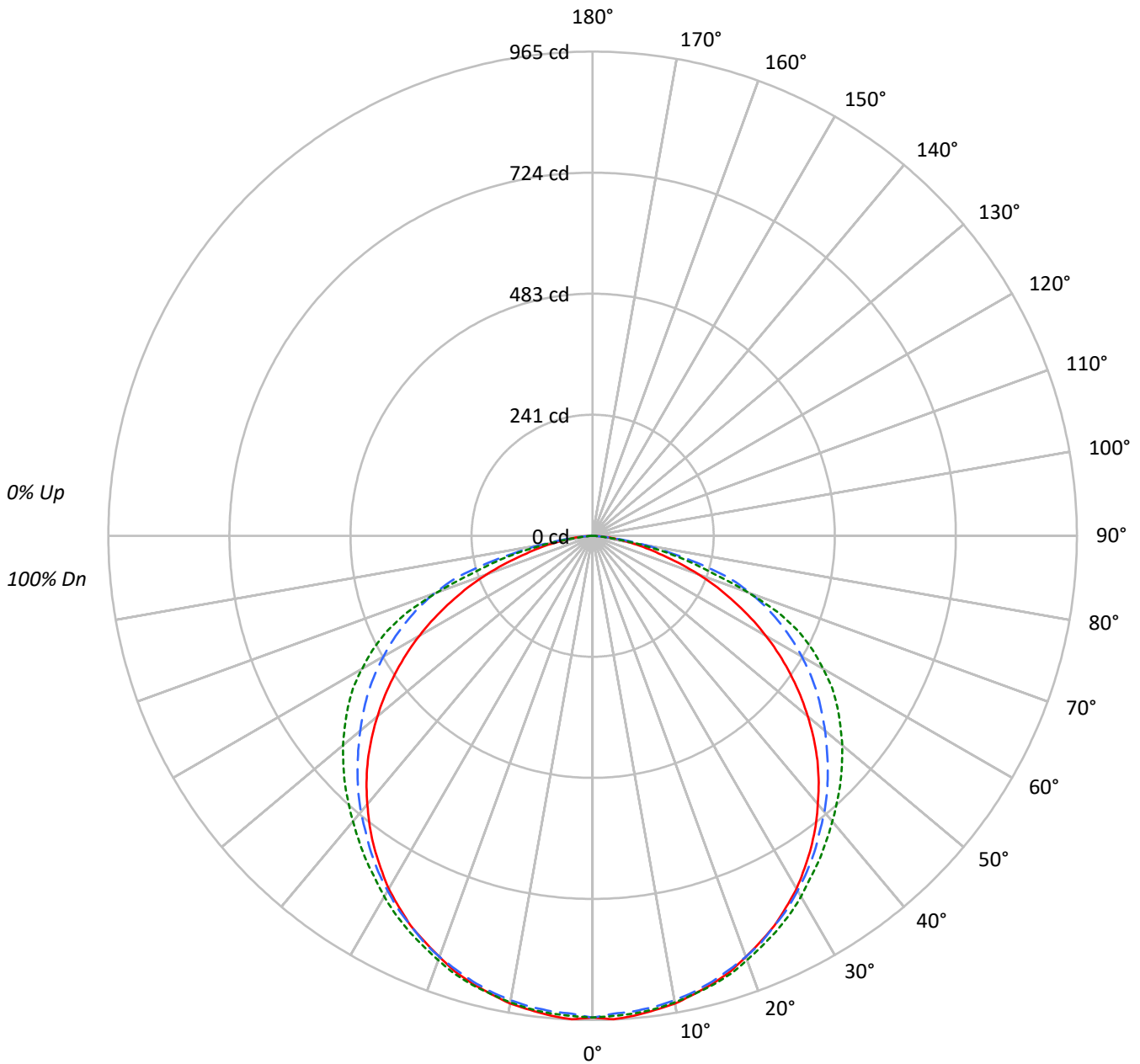
Lumens per Lamp: N/A
Luminaire Lumens: 2867.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
Input Voltage (V): NR
Input Current (A_{in}): 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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2710	2710	2710
5°	2721	2695	2709
10°	2714	2695	2707
15°	2701	2688	2708
20°	2682	2682	2703
25°	2670	2670	2704
30°	2649	2663	2707
35°	2615	2654	2715
40°	2573	2647	2739
45°	2529	2645	2787
50°	2458	2654	2850
55°	2368	2688	2930
60°	2249	2717	2995
65°	2078	2750	3034
70°	1848	2771	2715
75°	1490	2490	2172
80°	1164	1747	1417
85°	800	505	363



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	3.2
10°-20°	260.8	9.1
20°-30°	397.1	13.8
30°-40°	483.6	16.9
40°-50°	513.1	17.9
50°-60°	484.2	16.9
60°-70°	391.0	13.6
70°-80°	212.1	7.4
80°-90°	34.3	1.2
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°	748.7	26.1
0°-40°	1232.3	43.0
0°-60°	2229.6	77.8
0°-90°	2867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	960	960	960	960	960	
5°	960	958	951	958	956	91
15°	924	922	920	927	927	261
25°	857	855	857	866	868	395
35°	759	763	770	786	788	474
45°	634	642	663	687	698	488
55°	481	501	546	582	595	430
65°	311	349	412	446	454	308
75°	137	199	228	206	199	149
85°	25	27	16	13	11	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	960.2	960.2	960.2	960.2	960.2
2.5°	964.6	960.2	953.4	960.2	958.0
5°	960.2	958.0	951.2	958.0	955.9
7.5°	953.4	953.4	946.8	951.2	951.2
10°	946.8	944.6	940.2	946.8	944.6
12.5°	935.5	933.4	931.2	937.7	935.5
15°	924.3	922.1	919.9	926.8	926.8
17.5°	910.9	908.7	906.5	915.5	915.5
20°	893.0	893.0	893.0	902.1	899.9
22.5°	875.2	875.2	877.4	886.4	884.2
25°	857.4	855.2	857.4	866.1	868.3
27.5°	834.9	837.1	839.2	848.3	850.5
30°	812.6	814.8	817.0	828.3	830.5
32.5°	785.8	790.1	794.5	808.0	808.0
35°	758.9	763.3	770.1	785.8	787.9
37.5°	729.8	734.2	743.2	761.1	765.4
40°	698.2	705.1	718.5	736.4	743.2
42.5°	667.0	676.0	691.6	711.7	720.7
45°	633.5	642.3	662.6	687.3	698.2
47.5°	597.5	608.8	633.5	664.8	673.8
50°	559.7	575.3	604.4	637.9	649.1
52.5°	521.5	539.4	575.3	611.0	622.2
55°	481.2	501.2	546.2	581.9	595.3
57.5°	440.9	463.4	514.7	552.8	566.3
60°	398.4	425.2	481.2	519.4	530.6
62.5°	355.8	387.1	447.7	485.6	494.7
65°	311.1	349.3	411.8	445.6	454.3
67.5°	268.6	313.3	376.1	400.6	400.6
70°	223.9	273.0	335.8	342.4	329.0
72.5°	179.2	235.1	291.1	266.4	255.1
75°	136.6	199.2	228.3	206.0	199.2
77.5°	102.9	161.0	161.0	147.6	143.2
80°	71.6	123.2	107.5	94.1	87.2
82.5°	46.9	69.4	56.0	44.7	38.1
85°	24.7	26.9	15.6	13.4	11.2
87.5°	9.1	4.4	2.2	4.4	2.2
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)