

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: P731852

Luminaire Tested: **14CZ2-29-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275670)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-29-S-B2750-W2D-3000K
Description: 1X4 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

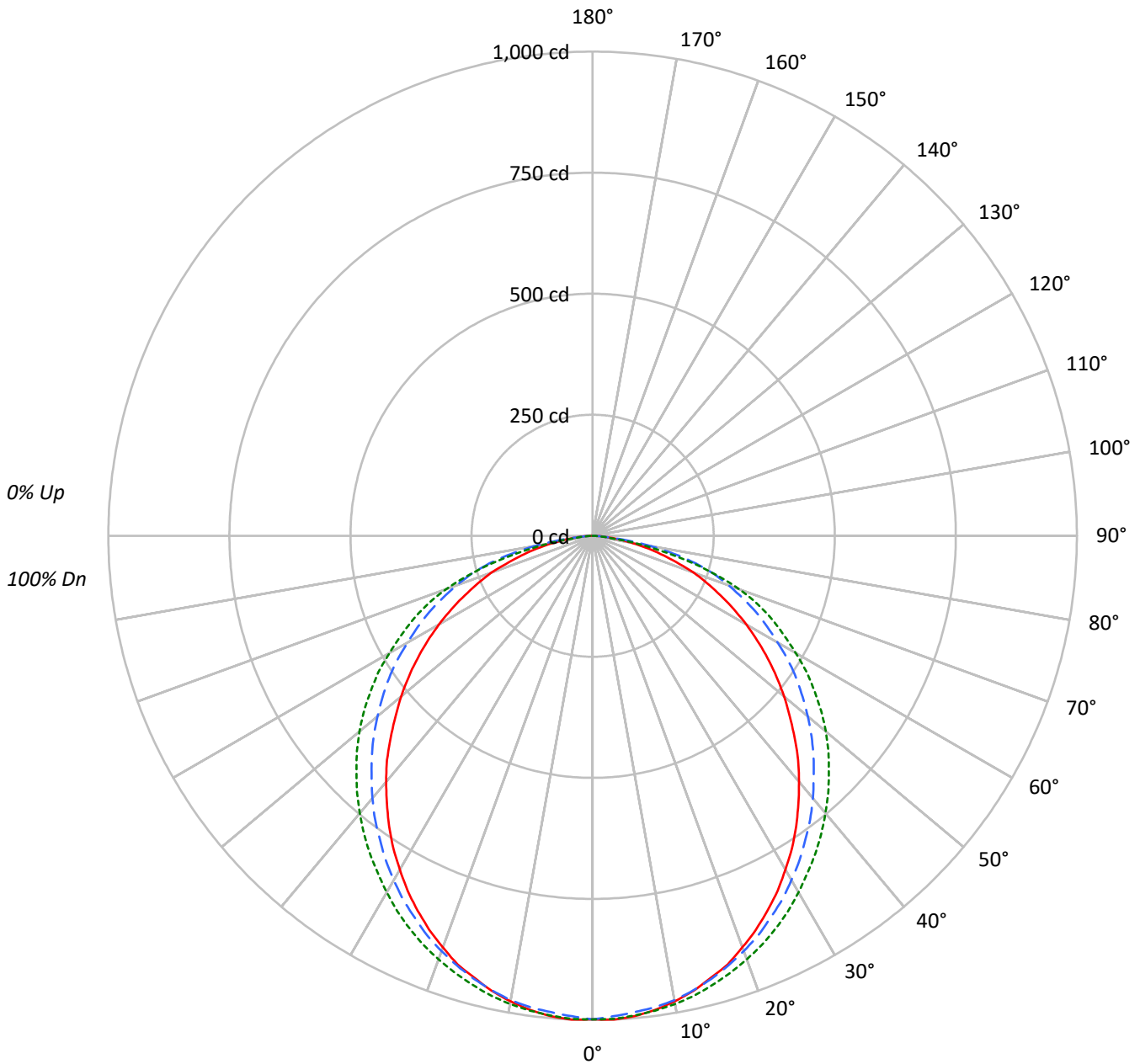
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2798.0 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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	94	91	89	90	88	86	84																			
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70																			
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58																			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50																			
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43																			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38																			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2819	2819	2819
5°	2822	2799	2818
10°	2799	2791	2815
15°	2761	2769	2805
20°	2717	2742	2796
25°	2661	2709	2787
30°	2595	2677	2772
35°	2524	2639	2763
40°	2443	2607	2755
45°	2353	2575	2752
50°	2266	2546	2759
55°	2171	2527	2751
60°	2068	2490	2733
65°	1946	2483	2734
70°	1832	2462	2656
75°	1589	2406	2270
80°	1284	1939	1512
85°	852	670	450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	3.4
10°-20°	268.4	9.6
20°-30°	402.6	14.4
30°-40°	480.3	17.2
40°-50°	496.5	17.7
50°-60°	453.3	16.2
60°-70°	356.7	12.7
70°-80°	207.6	7.4
80°-90°	38.2	1.4
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°	765.3	27.4
0°-40°	1245.6	44.5
0°-60°	2195.4	78.5
0°-90°	2798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2798.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	996	993	988	996	995	94
15°	945	946	948	960	960	267
25°	854	859	870	891	895	393
35°	732	742	766	795	802	458
45°	590	609	645	681	690	455
55°	441	465	513	551	559	395
65°	291	322	372	401	409	289
75°	146	180	221	216	208	155
85°	26	37	21	17	14	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	998.8	998.8	998.8	998.8	998.8
2.5°	1000.2	997.5	993.2	1000.2	998.8
5°	996.1	993.2	987.8	996.1	994.6
7.5°	987.8	984.9	982.2	990.5	989.2
10°	976.6	975.2	973.9	983.5	982.2
12.5°	962.8	962.8	961.5	972.5	972.5
15°	944.8	946.2	947.5	959.9	959.9
17.5°	928.1	926.8	930.9	944.8	946.2
20°	904.5	907.2	912.8	929.5	930.9
22.5°	880.9	883.8	893.5	910.1	914.2
25°	854.5	858.8	869.8	890.6	894.8
27.5°	826.8	832.4	847.6	869.8	873.9
30°	796.2	804.6	821.2	846.2	850.4
32.5°	765.8	774.1	794.9	819.9	825.5
35°	732.5	742.2	765.8	794.9	801.8
37.5°	697.8	710.2	738.1	767.2	775.5
40°	663.1	677.1	707.5	738.1	747.8
42.5°	628.4	642.4	675.5	710.2	720.1
45°	589.5	609.1	645.1	681.1	689.5
47.5°	552.1	573.0	613.1	649.2	660.4
50°	516.1	536.8	579.8	617.4	628.4
52.5°	478.7	500.8	546.5	585.4	595.1
55°	441.1	464.7	513.4	550.8	559.1
57.5°	403.7	428.7	478.7	514.7	524.4
60°	366.3	392.7	441.1	477.2	484.1
62.5°	328.8	356.5	406.4	438.4	445.4
65°	291.4	321.8	371.8	401.0	409.3
67.5°	255.3	285.7	334.4	362.1	369.0
70°	222.0	249.7	298.3	319.1	321.8
72.5°	180.4	215.0	262.1	273.3	266.4
75°	145.7	180.4	220.6	216.4	208.1
77.5°	111.0	145.7	172.0	158.1	147.0
80°	79.0	113.7	119.3	98.4	93.0
82.5°	51.3	79.0	66.6	51.3	41.6
85°	26.3	37.4	20.7	16.7	13.9
87.5°	8.3	5.6	2.7	2.7	1.4
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)