

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: P731896

Luminaire Tested: **14CZ2-39-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P731896
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: 14CZ2-39-RDP-B2750-W2D-2700K
Description: 1X4 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

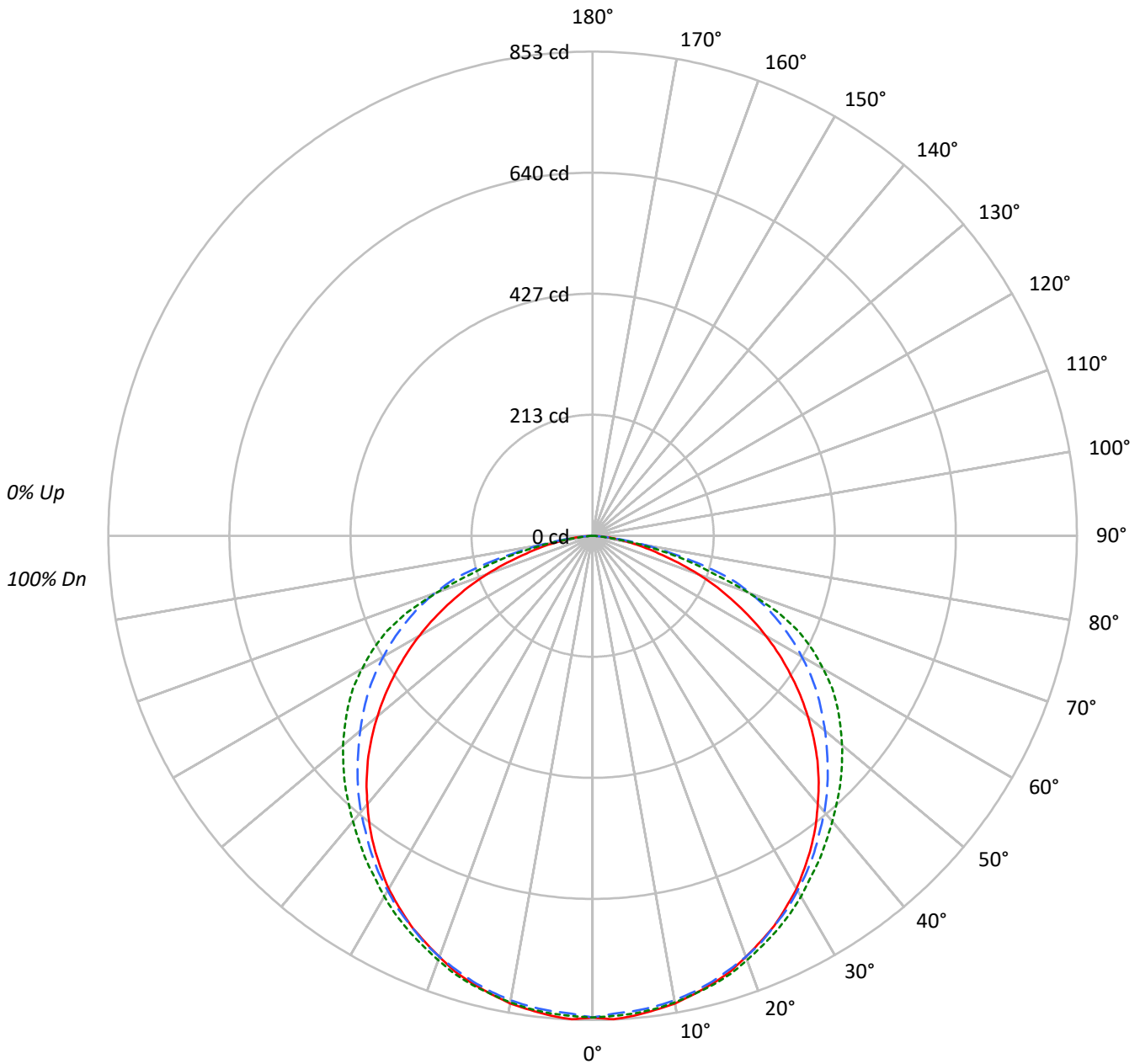
Lumens per Lamp: N/A
Luminaire Lumens: 2534.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
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°	2396	2396	2396
5°	2405	2382	2394
10°	2398	2382	2393
15°	2387	2376	2394
20°	2371	2371	2389
25°	2360	2360	2390
30°	2341	2354	2392
35°	2311	2346	2400
40°	2274	2340	2421
45°	2235	2338	2463
50°	2172	2346	2519
55°	2093	2376	2590
60°	1988	2401	2648
65°	1837	2431	2682
70°	1633	2449	2399
75°	1317	2201	1919
80°	1029	1546	1253
85°	706	447	321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	3.2
10°-20°	230.5	9.1
20°-30°	350.9	13.8
30°-40°	427.5	16.9
40°-50°	453.5	17.9
50°-60°	428.0	16.9
60°-70°	345.6	13.6
70°-80°	187.5	7.4
80°-90°	30.3	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°	661.7	26.1
0°-40°	1089.2	43.0
0°-60°	1970.6	77.8
0°-90°	2534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	849	847	841	847	845	81
15°	817	815	813	819	819	231
25°	758	756	758	766	768	349
35°	671	675	681	694	696	419
45°	560	568	586	607	617	431
55°	425	443	483	514	526	380
65°	275	309	364	394	402	272
75°	121	176	202	182	176	132
85°	22	24	14	12	10	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	848.7	848.7	848.7	848.7	848.7
2.5°	852.6	848.7	842.6	848.7	846.8
5°	848.7	846.8	840.7	846.8	844.8
7.5°	842.6	842.6	836.8	840.7	840.7
10°	836.8	834.9	831.0	836.8	834.9
12.5°	826.9	824.9	823.0	828.8	826.9
15°	816.9	815.0	813.1	819.1	819.1
17.5°	805.1	803.1	801.2	809.2	809.2
20°	789.3	789.3	789.3	797.3	795.4
22.5°	773.5	773.5	775.5	783.5	781.5
25°	757.8	755.8	757.8	765.5	767.5
27.5°	737.9	739.8	741.8	749.8	751.7
30°	718.3	720.2	722.1	732.1	734.0
32.5°	694.5	698.4	702.2	714.1	714.1
35°	670.7	674.6	680.7	694.5	696.4
37.5°	645.0	648.9	656.9	672.7	676.5
40°	617.1	623.2	635.1	650.8	656.9
42.5°	589.5	597.5	611.3	629.0	637.0
45°	559.9	567.7	585.6	607.4	617.1
47.5°	528.1	538.1	559.9	587.5	595.6
50°	494.7	508.5	534.2	563.8	573.7
52.5°	461.0	476.7	508.5	540.0	550.0
55°	425.3	443.0	482.8	514.3	526.2
57.5°	389.7	409.6	454.9	488.6	500.5
60°	352.1	375.9	425.3	459.0	469.0
62.5°	314.5	342.2	395.7	429.2	437.2
65°	275.0	308.7	364.0	393.8	401.6
67.5°	237.4	276.9	332.5	354.0	354.0
70°	197.9	241.3	296.8	302.6	290.7
72.5°	158.3	207.8	257.3	235.5	225.5
75°	120.8	176.0	201.8	182.1	176.0
77.5°	90.9	142.3	142.3	130.5	126.6
80°	63.3	108.9	95.1	83.2	77.1
82.5°	41.5	61.3	49.5	39.5	33.7
85°	21.8	23.8	13.8	11.9	9.9
87.5°	8.0	3.9	1.9	3.9	1.9
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)