

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: P842819

Luminaire Tested: **14CZ2-25-RDP-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842819
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: 14CZ2-25-RDP-UNV-B40
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

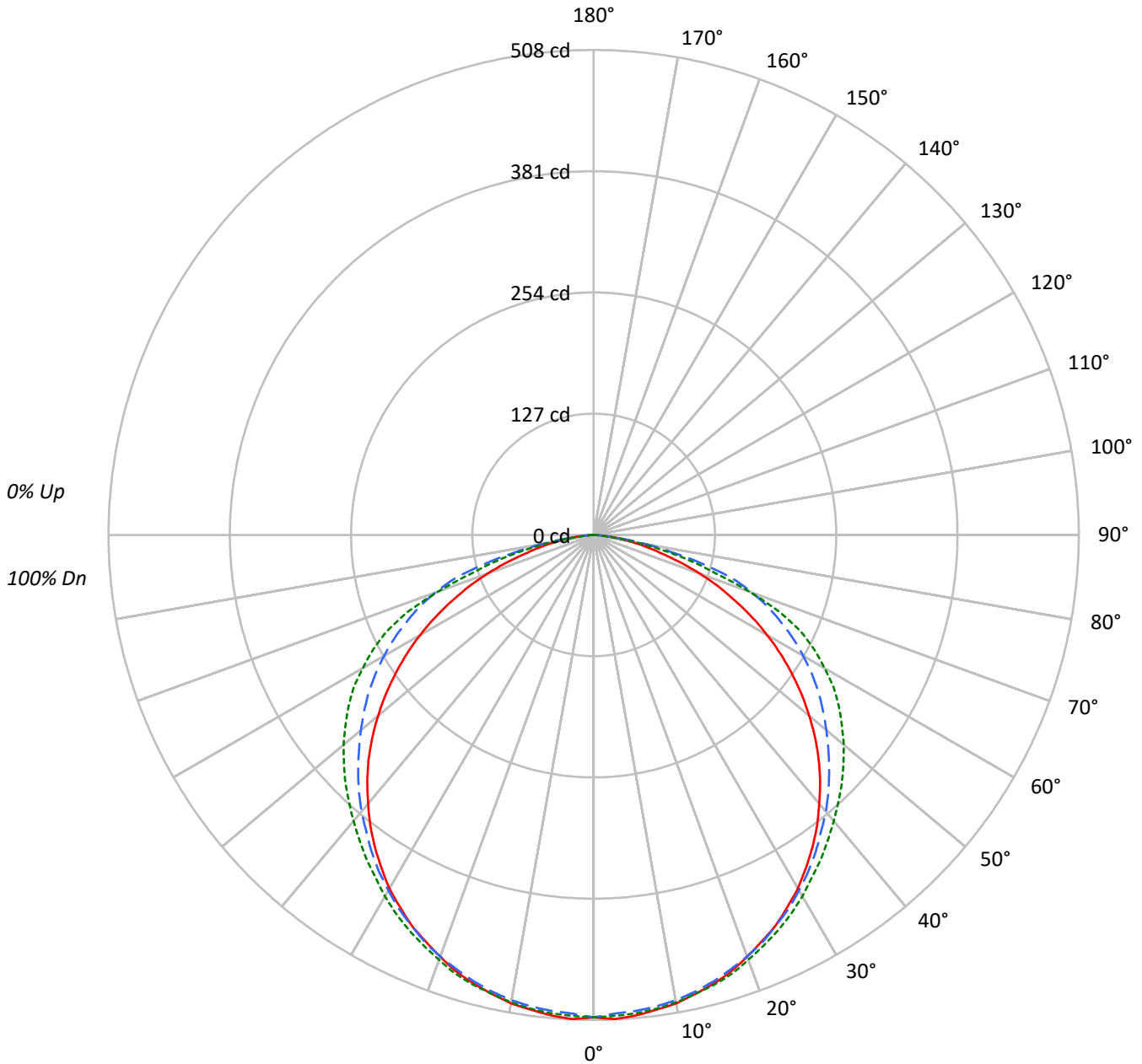
Lumens per Lamp: N/A
Luminaire Lumens: 1509.0 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 19
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°	1427	1427	1427
5°	1432	1418	1426
10°	1428	1418	1425
15°	1422	1415	1425
20°	1412	1412	1423
25°	1406	1406	1423
30°	1394	1402	1425
35°	1376	1397	1429
40°	1354	1394	1441
45°	1331	1392	1467
50°	1294	1397	1501
55°	1247	1415	1542
60°	1184	1430	1577
65°	1094	1447	1597
70°	972	1458	1429
75°	784	1310	1143
80°	613	920	746
85°	421	266	191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	3.2
10°-20°	137.2	9.1
20°-30°	209.0	13.8
30°-40°	254.6	16.9
40°-50°	270.0	17.9
50°-60°	254.9	16.9
60°-70°	205.8	13.6
70°-80°	111.6	7.4
80°-90°	18.1	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°	394.1	26.1
0°-40°	648.6	43.0
0°-60°	1173.5	77.8
0°-90°	1509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	505	504	501	504	503	48
15°	486	485	484	488	488	137
25°	451	450	451	456	457	208
35°	399	402	405	414	415	250
45°	333	338	349	362	368	257
55°	253	264	288	306	313	226
65°	164	184	217	234	239	162
75°	72	105	120	108	105	79
85°	13	14	8	7	6	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	505.4	505.4	505.4	505.4	505.4
2.5°	507.7	505.4	501.8	505.4	504.3
5°	505.4	504.3	500.6	504.3	503.1
7.5°	501.8	501.8	498.3	500.6	500.6
10°	498.3	497.2	494.9	498.3	497.2
12.5°	492.4	491.3	490.1	493.6	492.4
15°	486.5	485.3	484.2	487.8	487.8
17.5°	479.4	478.3	477.1	481.9	481.9
20°	470.0	470.0	470.0	474.8	473.6
22.5°	460.6	460.6	461.8	466.6	465.4
25°	451.3	450.1	451.3	455.9	457.0
27.5°	439.4	440.6	441.7	446.5	447.6
30°	427.7	428.9	430.0	435.9	437.1
32.5°	413.6	415.9	418.2	425.3	425.3
35°	399.4	401.7	405.3	413.6	414.7
37.5°	384.1	386.4	391.2	400.6	402.9
40°	367.5	371.1	378.2	387.6	391.2
42.5°	351.0	355.8	364.0	374.6	379.3
45°	333.4	338.0	348.7	361.7	367.5
47.5°	314.5	320.4	333.4	349.9	354.7
50°	294.6	302.8	318.1	335.7	341.7
52.5°	274.5	283.9	302.8	321.6	327.5
55°	253.3	263.8	287.5	306.3	313.4
57.5°	232.1	243.9	270.9	291.0	298.0
60°	209.7	223.8	253.3	273.4	279.3
62.5°	187.3	203.8	235.7	255.6	260.4
65°	163.8	183.8	216.7	234.5	239.1
67.5°	141.4	164.9	198.0	210.8	210.8
70°	117.8	143.7	176.7	180.2	173.1
72.5°	94.3	123.8	153.2	140.2	134.3
75°	71.9	104.8	120.1	108.4	104.8
77.5°	54.2	84.8	84.8	77.7	75.4
80°	37.7	64.8	56.6	49.5	45.9
82.5°	24.7	36.5	29.5	23.5	20.1
85°	13.0	14.2	8.2	7.1	5.9
87.5°	4.8	2.3	1.2	2.3	1.2
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)