

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: P731848

Luminaire Tested: **14CZ2-29-RDP-B2750-W2D-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731848
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: 14CZ2-29-RDP-B2750-W2D-3500K
Description: 1X4 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

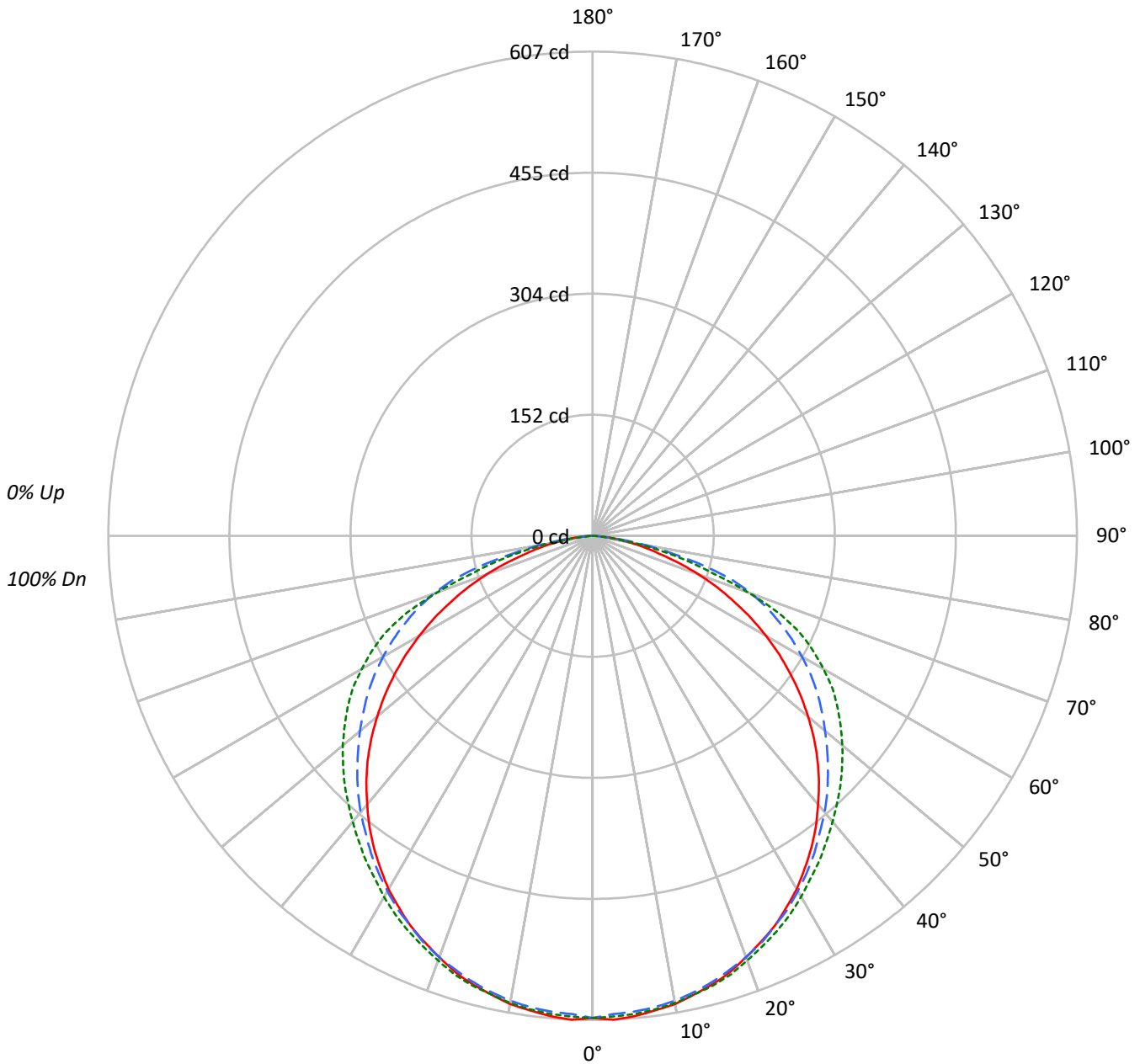
Lumens per Lamp: N/A
Luminaire Lumens: 1805.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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					20					
RC	80					70					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°	1706	1706	1706
5°	1713	1697	1705
10°	1709	1697	1705
15°	1700	1693	1705
20°	1689	1689	1702
25°	1681	1681	1703
30°	1667	1677	1704
35°	1646	1671	1709
40°	1620	1667	1724
45°	1592	1665	1755
50°	1547	1671	1795
55°	1491	1692	1844
60°	1416	1711	1886
65°	1308	1732	1910
70°	1163	1745	1709
75°	938	1567	1368
80°	733	1100	892
85°	502	317	230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	3.2
10°-20°	164.2	9.1
20°-30°	250.0	13.8
30°-40°	304.5	16.9
40°-50°	323.0	17.9
50°-60°	304.9	16.9
60°-70°	246.1	13.6
70°-80°	133.5	7.4
80°-90°	21.6	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°	471.4	26.1
0°-40°	775.8	43.0
0°-60°	1403.7	77.8
0°-90°	1805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	604	603	599	603	602	57
15°	582	580	579	584	584	164
25°	540	538	540	545	547	248
35°	478	480	485	495	496	299
45°	399	404	417	433	440	307
55°	303	316	344	366	375	271
65°	196	220	259	280	286	194
75°	86	125	144	130	125	94
85°	16	17	10	8	7	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	604.5	604.5	604.5	604.5	604.5
2.5°	607.3	604.5	600.2	604.5	603.2
5°	604.5	603.2	598.8	603.2	601.8
7.5°	600.2	600.2	596.1	598.8	598.8
10°	596.1	594.7	591.9	596.1	594.7
12.5°	589.0	587.6	586.2	590.4	589.0
15°	581.9	580.5	579.2	583.5	583.5
17.5°	573.5	572.1	570.7	576.4	576.4
20°	562.2	562.2	562.2	567.9	566.5
22.5°	551.0	551.0	552.4	558.1	556.7
25°	539.8	538.4	539.8	545.3	546.7
27.5°	525.6	527.0	528.4	534.1	535.5
30°	511.6	513.0	514.4	521.5	522.8
32.5°	494.7	497.5	500.2	508.7	508.7
35°	477.8	480.5	484.8	494.7	496.1
37.5°	459.5	462.2	467.9	479.1	481.9
40°	439.6	443.9	452.4	463.6	467.9
42.5°	419.9	425.6	435.4	448.1	453.8
45°	398.8	404.4	417.1	432.7	439.6
47.5°	376.2	383.3	398.8	418.5	424.2
50°	352.4	362.2	380.5	401.6	408.7
52.5°	328.4	339.6	362.2	384.7	391.7
55°	303.0	315.6	343.9	366.4	374.8
57.5°	277.6	291.7	324.0	348.0	356.5
60°	250.8	267.7	303.0	327.0	334.1
62.5°	224.0	243.7	281.9	305.7	311.4
65°	195.9	219.9	259.3	280.5	286.0
67.5°	169.1	197.3	236.8	252.2	252.2
70°	140.9	171.9	211.4	215.6	207.1
72.5°	112.8	148.0	183.3	167.7	160.6
75°	86.0	125.4	143.7	129.7	125.4
77.5°	64.8	101.4	101.4	92.9	90.2
80°	45.1	77.6	67.7	59.2	54.9
82.5°	29.5	43.7	35.2	28.2	24.0
85°	15.5	16.9	9.8	8.5	7.1
87.5°	5.7	2.8	1.4	2.8	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)