

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: P731847

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731847
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-3000K
Description: 1X4 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

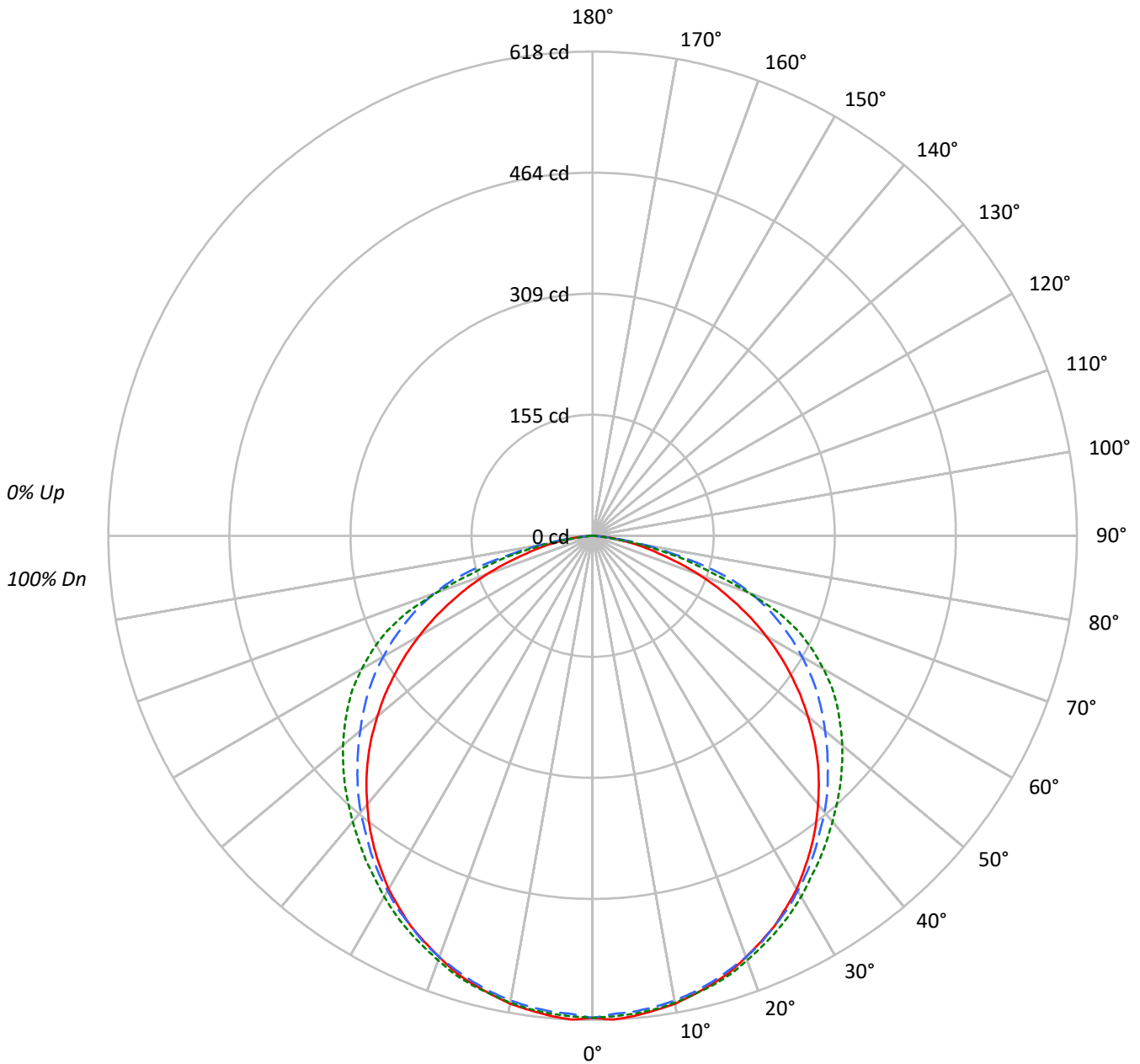
Lumens per Lamp: N/A
Luminaire Lumens: 1837.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1737	1737	1737
5°	1743	1727	1735
10°	1739	1727	1735
15°	1731	1722	1735
20°	1719	1719	1732
25°	1711	1711	1733
30°	1697	1706	1734
35°	1675	1700	1740
40°	1649	1696	1755
45°	1620	1695	1786
50°	1575	1701	1826
55°	1517	1722	1877
60°	1441	1740	1919
65°	1331	1763	1944
70°	1183	1776	1740
75°	954	1596	1392
80°	746	1120	909
85°	512	324	233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	3.2
10°-20°	167.1	9.1
20°-30°	254.4	13.8
30°-40°	309.9	16.9
40°-50°	328.7	17.9
50°-60°	310.3	16.9
60°-70°	250.5	13.6
70°-80°	135.9	7.4
80°-90°	22.0	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°	479.7	26.1
0°-40°	789.6	43.0
0°-60°	1428.6	77.8
0°-90°	1837.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1837.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	615	614	610	614	612	58
15°	592	591	589	594	594	167
25°	549	548	549	555	556	253
35°	486	489	493	504	505	304
45°	406	412	424	440	447	313
55°	308	321	350	373	382	275
65°	199	224	264	286	291	197
75°	88	128	146	132	128	96
85°	16	17	10	9	7	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	615.3	615.3	615.3	615.3	615.3
2.5°	618.1	615.3	610.9	615.3	613.9
5°	615.3	613.9	609.5	613.9	612.5
7.5°	610.9	610.9	606.6	609.5	609.5
10°	606.6	605.2	602.4	606.6	605.2
12.5°	599.4	598.0	596.6	600.8	599.4
15°	592.2	590.8	589.4	593.8	593.8
17.5°	583.6	582.2	580.8	586.6	586.6
20°	572.2	572.2	572.2	578.0	576.6
22.5°	560.8	560.8	562.2	568.0	566.6
25°	549.3	547.9	549.3	555.0	556.4
27.5°	534.9	536.3	537.7	543.5	544.9
30°	520.7	522.1	523.5	530.7	532.1
32.5°	503.5	506.3	509.1	517.7	517.7
35°	486.2	489.0	493.4	503.5	504.9
37.5°	467.6	470.4	476.2	487.6	490.5
40°	447.4	451.8	460.4	471.8	476.2
42.5°	427.3	433.1	443.2	456.0	461.8
45°	405.9	411.5	424.5	440.4	447.4
47.5°	382.9	390.1	405.9	425.9	431.7
50°	358.6	368.6	387.3	408.7	415.9
52.5°	334.2	345.6	368.6	391.5	398.7
55°	308.3	321.2	350.0	372.8	381.5
57.5°	282.5	296.9	329.8	354.2	362.8
60°	255.2	272.5	308.3	332.8	340.0
62.5°	228.0	248.0	286.9	311.1	316.9
65°	199.3	223.8	263.9	285.5	291.1
67.5°	172.1	200.8	241.0	256.7	256.7
70°	143.4	174.9	215.2	219.4	210.8
72.5°	114.8	150.7	186.5	170.7	163.5
75°	87.5	127.6	146.3	132.0	127.6
77.5°	65.9	103.2	103.2	94.6	91.8
80°	45.9	78.9	68.9	60.3	55.9
82.5°	30.1	44.5	35.9	28.7	24.4
85°	15.8	17.2	10.0	8.6	7.2
87.5°	5.8	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)