

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: P732096

Luminaire Tested: **24CZ2-30-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-30-RDP-B2750-W2D-2700K  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

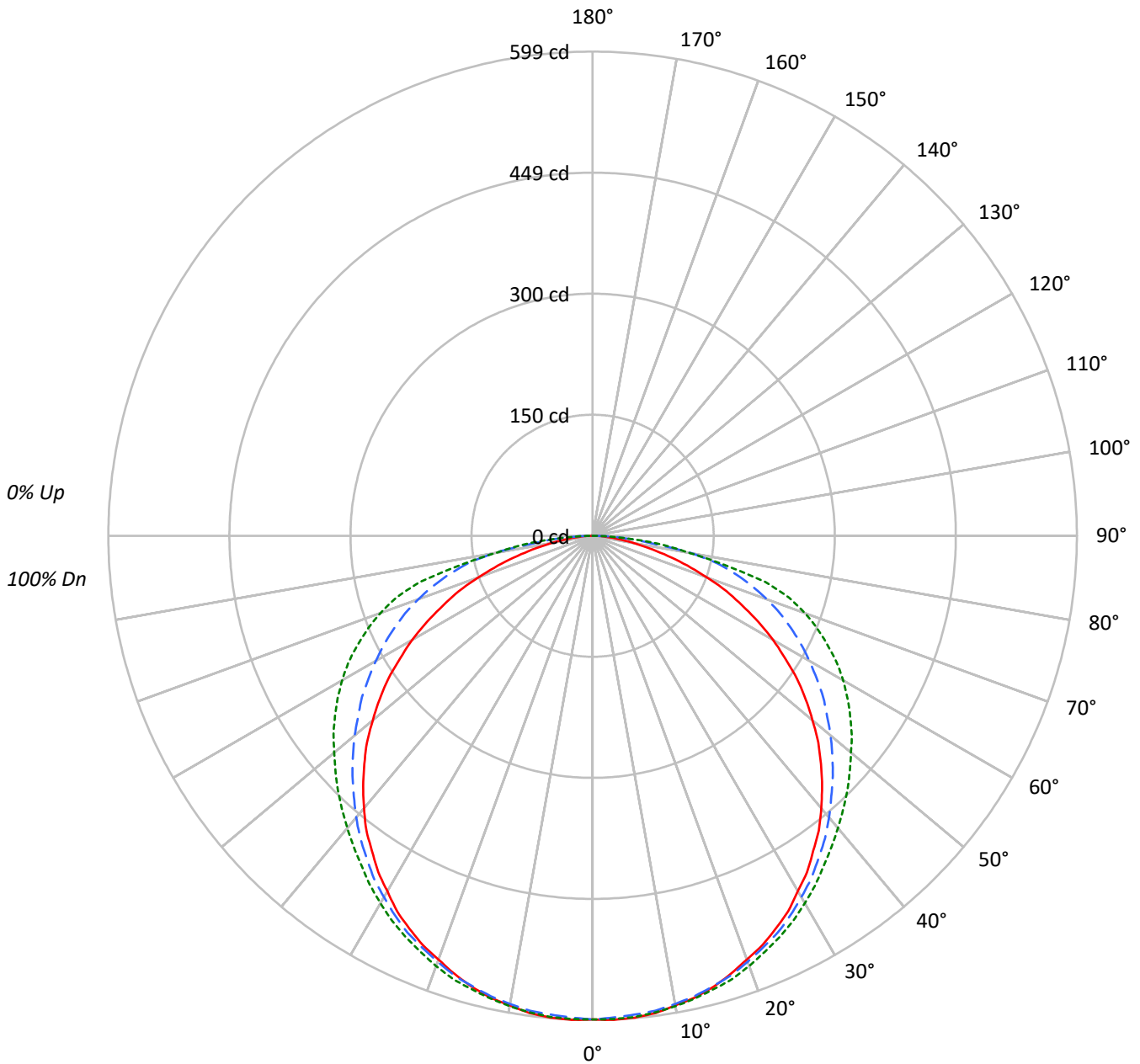
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1903.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 23  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82								
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67								
3	88	77	68	62	86	76	68	61	72	66	60	70	64	59	67	62	58	56								
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47								
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35								
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27								
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24								
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	845	845	845
5°	848	843	846
10°	845	843	847
15°	844	843	848
20°	838	842	851
25°	835	844	853
30°	828	841	855
35°	820	839	859
40°	810	838	870
45°	797	838	889
50°	779	843	916
55°	760	857	957
60°	727	874	1010
65°	681	905	1072
70°	619	946	1153
75°	525	998	1205
80°	415	1005	974
85°	306	764	855



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.8	3.0
10°-20°	163.4	8.6
20°-30°	249.8	13.1
30°-40°	305.4	16.0
40°-50°	325.5	17.1
50°-60°	311.2	16.4
60°-70°	263.7	13.9
70°-80°	177.2	9.3
80°-90°	50.0	2.6
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°	470.0	24.7
0°-40°	775.4	40.7
0°-60°	1412.2	74.2
0°-90°	1903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	598	598	595	598	598	57
15°	578	578	577	582	580	163
25°	536	538	542	546	548	247
35°	476	480	487	496	498	298
45°	399	406	420	438	446	308
55°	309	320	348	376	389	275
65°	204	225	271	307	321	202
75°	96	131	183	214	221	103
85°	19	39	47	51	53	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	598.4	598.4	598.4	598.4	598.4
2.5°	599.4	599.4	596.5	598.4	598.4
5°	598.4	597.5	594.7	597.5	597.5
7.5°	595.6	594.7	592.8	595.6	594.7
10°	589.9	589.9	588.1	590.9	590.9
12.5°	585.2	584.3	583.3	587.1	586.2
15°	577.7	577.7	576.7	581.5	580.5
17.5°	568.3	569.2	570.1	573.9	574.9
20°	557.8	559.7	560.7	566.3	566.3
22.5°	548.4	549.4	551.2	556.9	556.9
25°	536.2	538.0	541.8	546.5	547.5
27.5°	523.9	524.8	529.6	536.2	537.1
30°	507.8	510.7	516.3	523.9	524.8
32.5°	493.6	496.5	503.1	510.7	512.5
35°	475.8	479.5	487.0	496.5	498.4
37.5°	459.7	462.5	472.0	482.4	485.2
40°	439.9	445.5	454.9	467.2	472.0
42.5°	420.1	425.7	437.1	453.1	458.8
45°	399.3	405.9	420.1	438.0	445.5
47.5°	378.6	386.1	402.1	422.8	431.4
50°	354.9	364.3	384.1	407.8	417.2
52.5°	332.2	343.6	365.3	391.8	404.0
55°	308.7	319.9	348.3	375.7	388.9
57.5°	282.3	297.3	328.5	359.7	373.8
60°	257.7	271.8	309.6	343.6	357.7
62.5°	231.3	250.2	290.7	326.5	340.8
65°	203.8	224.7	270.9	306.7	321.0
67.5°	179.4	202.0	251.1	286.9	301.2
70°	150.1	178.3	229.3	265.2	279.4
72.5°	122.7	153.9	206.7	241.6	254.8
75°	96.3	131.2	183.1	214.3	220.9
77.5°	71.7	108.6	158.5	171.7	167.1
80°	51.0	86.8	123.6	117.0	119.8
82.5°	33.0	66.1	76.5	86.8	89.7
85°	18.9	38.7	47.2	51.0	52.8
87.5°	8.5	14.1	18.9	18.9	18.0
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)