

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: P880707

Luminaire Tested: **22CZ2-34VHE-RDP-B2750-W2D-2700K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

**Test Information**

Test Method: LM-79-08  
Report Number: P880707  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474998)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-34VHE-RDP-B2750-W2D-2700K  
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

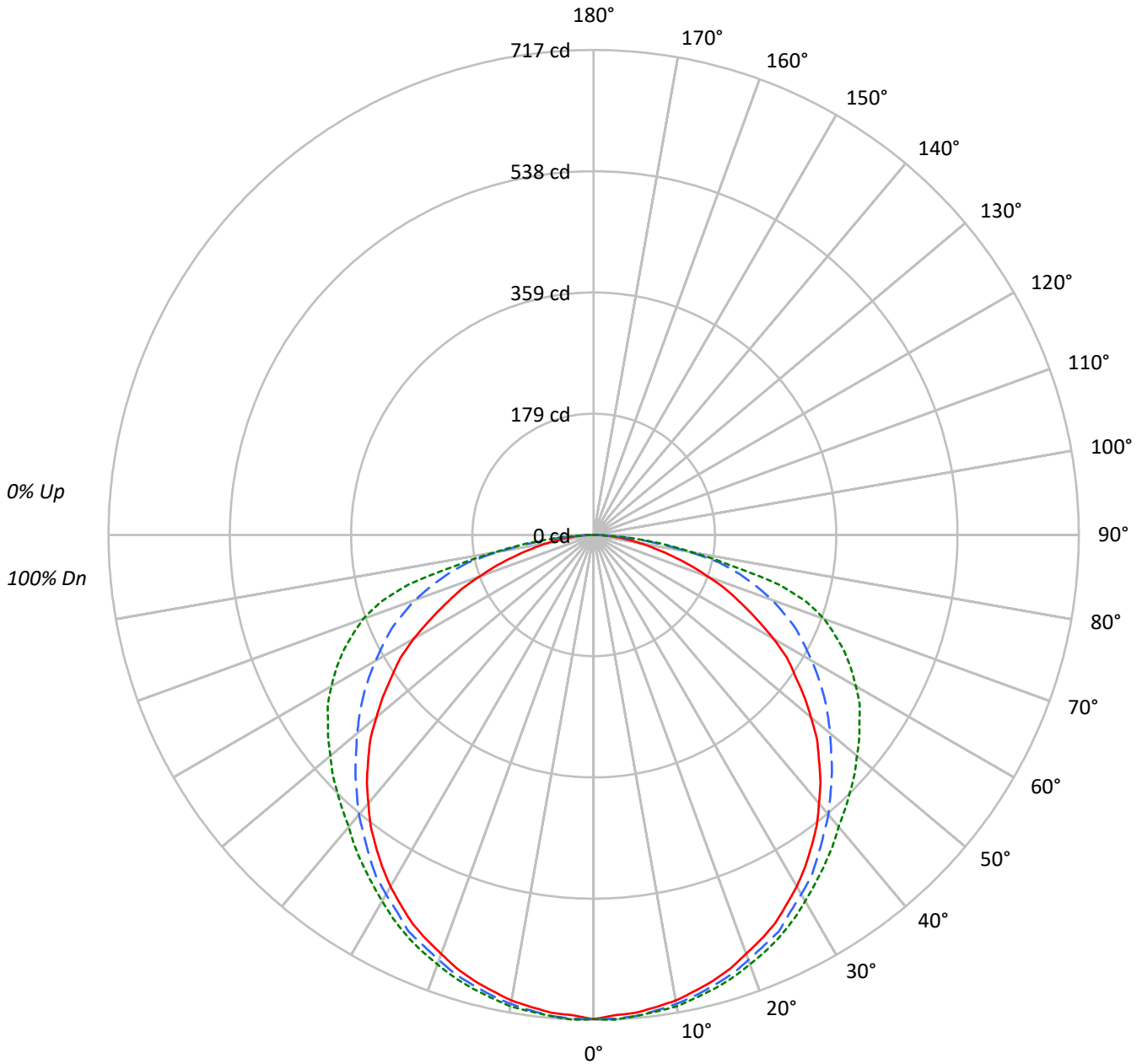
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2279.0 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): 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	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82																			
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67																			
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55																			
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47																			
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35																			
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31																			
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27																			
9	55	41	32	27	53	40	32	27	39	32	26	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°	2031	2031	2031
5°	2020	2034	2034
10°	2014	2029	2039
15°	2005	2024	2039
20°	1990	2020	2040
25°	1984	2026	2047
30°	1967	2010	2049
35°	1945	2004	2062
40°	1919	1999	2087
45°	1890	1998	2152
50°	1850	2013	2242
55°	1800	2057	2372
60°	1741	2112	2540
65°	1620	2218	2747
70°	1488	2324	3005
75°	1306	2444	3107
80°	1124	2327	2440
85°	983	1690	1856



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.7	3.0
10°-20°	194.4	8.5
20°-30°	296.6	13.0
30°-40°	362.2	15.9
40°-50°	387.3	17.0
50°-60°	373.8	16.4
60°-70°	321.8	14.1
70°-80°	217.7	9.6
80°-90°	57.5	2.5
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°	558.8	24.5
0°-40°	920.9	40.4
0°-60°	1682.0	73.8
0°-90°	2279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2279.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	716	716	716	716	716	
5°	709	711	714	714	714	67
15°	682	684	689	692	694	192
25°	634	637	647	651	654	292
35°	562	567	578	590	595	351
45°	471	479	498	523	536	364
55°	364	376	416	458	479	326
65°	241	265	330	382	409	240
75°	119	158	223	268	283	128
85°	30	42	52	54	57	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	715.9	715.9	715.9	715.9	715.9
2.5°	710.8	712.4	715.9	715.9	717.4
5°	709.1	710.8	714.1	714.1	714.1
7.5°	704.1	705.8	709.1	710.8	710.8
10°	699.0	700.8	704.1	705.8	707.6
12.5°	690.7	692.3	697.3	700.8	700.8
15°	682.4	683.9	689.0	692.3	694.0
17.5°	672.1	675.6	680.6	683.9	685.7
20°	658.9	662.2	668.8	674.0	675.6
22.5°	647.1	650.6	657.2	662.2	665.5
25°	633.8	637.1	647.1	650.6	653.9
27.5°	616.9	620.4	628.7	635.3	640.4
30°	600.2	603.5	613.6	622.1	625.4
32.5°	581.7	586.7	598.5	605.3	610.1
35°	561.5	566.6	578.4	590.0	595.2
37.5°	541.6	546.6	558.2	573.3	580.1
40°	518.1	524.7	539.8	560.0	563.3
42.5°	496.2	504.6	518.1	541.6	549.9
45°	471.1	479.4	498.0	523.2	536.3
47.5°	447.6	456.0	476.1	506.3	523.2
50°	419.1	430.8	456.0	491.2	507.9
52.5°	392.2	402.3	436.0	474.4	494.7
55°	363.8	375.6	415.8	457.7	479.4
57.5°	338.8	348.7	394.0	441.0	466.0
60°	306.8	320.2	372.1	422.4	447.6
62.5°	273.1	293.4	350.4	402.3	429.0
65°	241.3	264.8	330.4	382.2	409.1
67.5°	212.9	238.0	305.2	360.5	385.6
70°	179.4	211.3	280.1	333.7	362.2
72.5°	149.3	184.4	251.6	305.2	330.4
75°	119.1	157.7	222.9	268.3	283.4
77.5°	92.2	129.2	191.0	204.5	206.3
80°	68.8	102.3	142.4	144.1	149.3
82.5°	47.1	72.1	92.2	100.5	102.3
85°	30.2	42.0	51.9	53.7	57.0
87.5°	13.5	15.1	18.4	16.8	16.8
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)