

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: P842992

Luminaire Tested: **24CZ2-30-UNV-B35**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P842992  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-30-UNV-B35  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

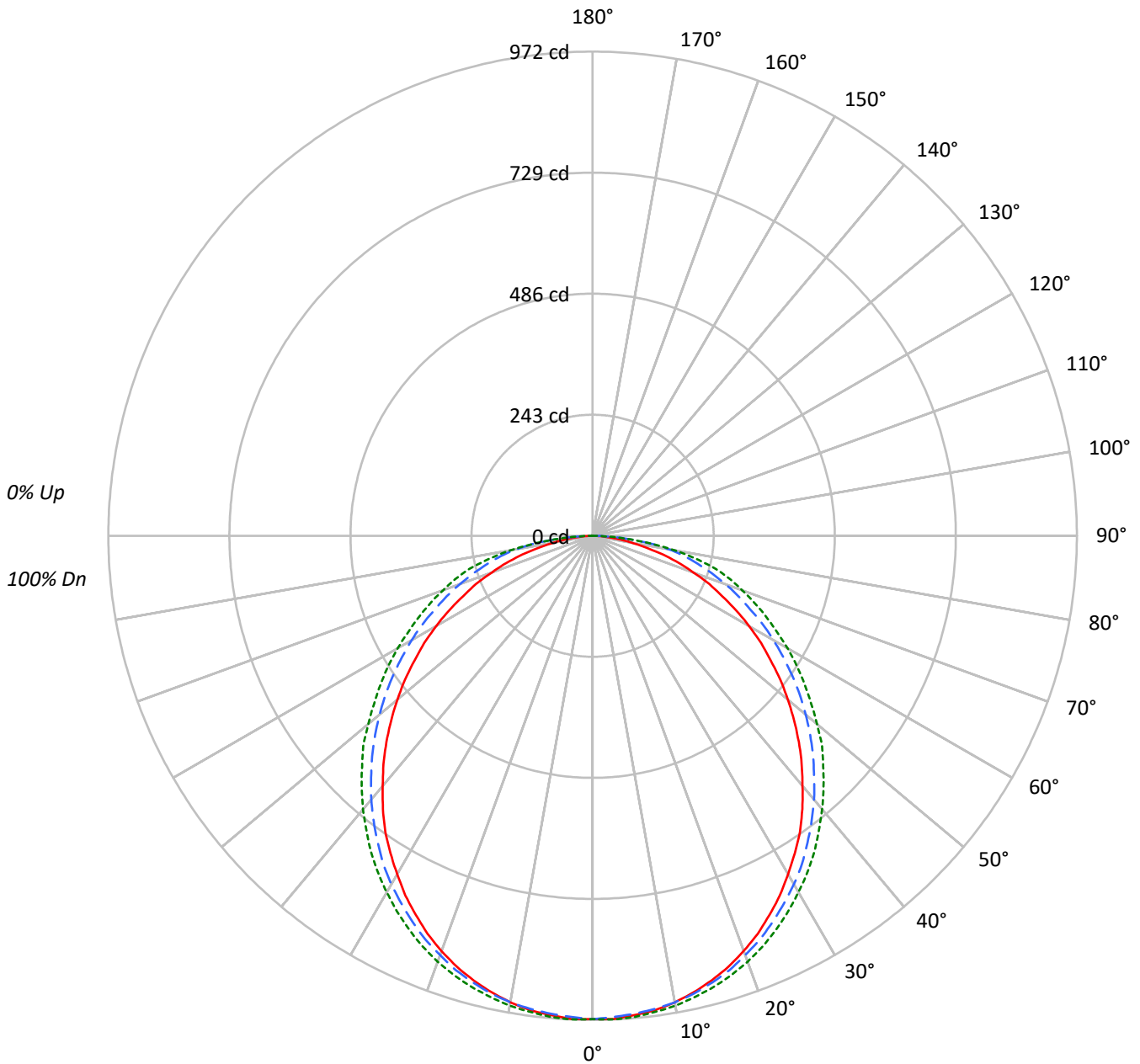
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2762.0 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35  
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69								
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49								
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42								
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37								
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29								
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26								
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24								

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

	0°	45°	90°
0°	1370	1370	1370
5°	1368	1365	1373
10°	1363	1363	1373
15°	1350	1356	1370
20°	1332	1345	1366
25°	1307	1332	1358
30°	1278	1317	1347
35°	1250	1295	1336
40°	1207	1274	1321
45°	1168	1249	1306
50°	1123	1225	1291
55°	1073	1202	1278
60°	1023	1184	1275
65°	958	1163	1283
70°	887	1169	1318
75°	795	1191	1392
80°	642	1262	1361
85°	483	1108	1080



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.9	3.3
10°-20°	262.5	9.5
20°-30°	394.6	14.3
30°-40°	470.0	17.0
40°-50°	481.0	17.4
50°-60°	433.1	15.7
60°-70°	340.1	12.3
70°-80°	220.7	8.0
80°-90°	68.3	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°	748.9	27.1
0°-40°	1218.9	44.1
0°-60°	2132.9	77.2
0°-90°	2762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2762.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	970	970	970	970	970	
5°	966	968	963	969	969	92
15°	924	926	928	936	938	260
25°	840	847	855	869	872	387
35°	726	734	752	770	776	453
45°	585	599	626	649	654	451
55°	436	455	489	514	519	391
65°	287	309	348	377	384	286
75°	146	174	218	248	255	154
85°	30	55	68	67	67	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	970.4	970.4	970.4	970.4	970.4
2.5°	971.2	971.2	966.8	971.2	972.0
5°	965.9	967.7	963.3	968.6	969.4
7.5°	960.6	960.6	958.0	963.3	964.2
10°	951.0	951.9	951.0	957.1	958.0
12.5°	938.7	940.4	941.4	947.5	948.4
15°	923.8	926.5	928.2	936.1	937.9
17.5°	907.1	909.8	914.1	922.9	924.7
20°	887.0	890.4	895.7	907.1	909.8
22.5°	865.1	868.6	877.3	887.8	892.2
25°	839.6	846.6	855.3	869.4	872.1
27.5°	814.1	820.3	831.7	846.6	850.2
30°	784.3	793.9	808.0	822.9	826.4
32.5°	755.4	765.0	781.7	797.5	801.9
35°	725.5	734.3	751.9	770.3	775.5
37.5°	691.3	702.7	722.1	740.4	745.7
40°	655.4	669.4	691.3	710.6	716.8
42.5°	621.1	636.0	658.0	679.0	686.0
45°	585.2	599.2	625.6	649.2	654.5
47.5°	548.3	564.1	592.1	615.8	624.6
50°	511.5	528.2	558.0	582.5	587.8
52.5°	474.6	492.2	523.8	550.1	552.7
55°	436.0	455.4	488.7	514.1	519.4
57.5°	400.9	417.6	453.6	479.9	486.0
60°	362.3	380.7	419.3	444.0	451.8
62.5°	325.5	344.8	385.2	409.7	416.7
65°	286.9	308.9	348.3	377.3	384.2
67.5°	253.6	274.6	316.7	344.8	351.8
70°	214.9	238.7	283.4	312.4	319.3
72.5°	181.6	206.1	250.9	279.0	289.5
75°	145.7	173.7	218.5	248.3	255.3
77.5°	110.6	143.0	188.6	211.4	211.4
80°	79.0	113.2	155.3	165.8	167.5
82.5°	51.8	85.1	114.9	114.1	114.1
85°	29.8	55.3	68.4	66.7	66.7
87.5°	11.4	22.8	24.5	24.5	23.7
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)