

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: P842940

Luminaire Tested: **22CZ2-34HE-RDP-UNV-B50**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P842940  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-34HE-RDP-UNV-B50  
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

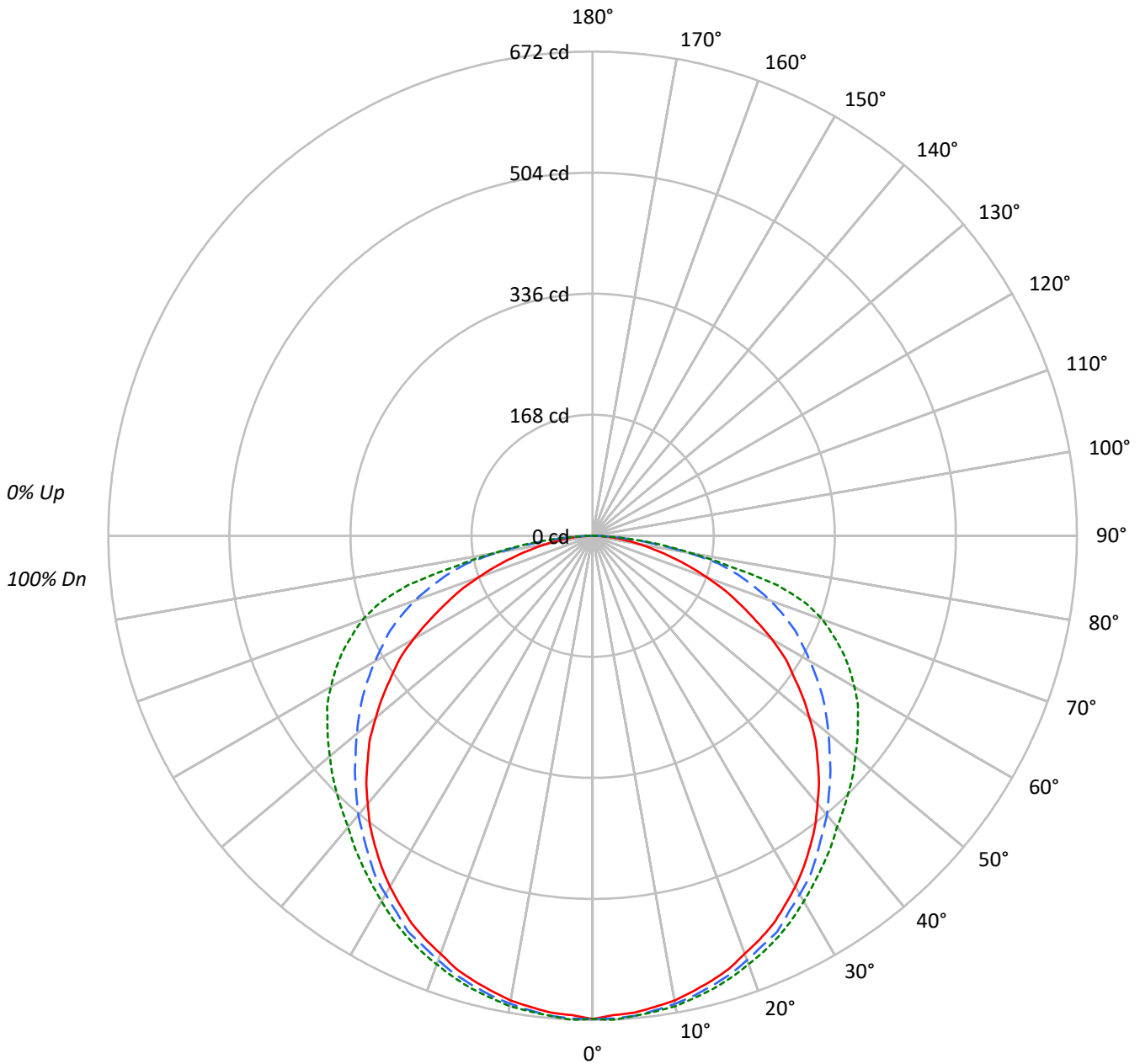
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2135.0 lumens  
Efficiency: N/A  
Efficacy: 71.2 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): 30  
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									
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°	1903	1903	1903
5°	1892	1906	1906
10°	1887	1901	1910
15°	1878	1897	1910
20°	1864	1892	1911
25°	1859	1898	1918
30°	1843	1883	1919
35°	1823	1877	1932
40°	1798	1874	1955
45°	1771	1872	2017
50°	1734	1885	2101
55°	1686	1927	2222
60°	1630	1978	2380
65°	1519	2078	2573
70°	1394	2177	2814
75°	1224	2289	2910
80°	1051	2181	2284
85°	918	1582	1735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.4	3.0
10°-20°	182.1	8.5
20°-30°	277.9	13.0
30°-40°	339.3	15.9
40°-50°	362.8	17.0
50°-60°	350.2	16.4
60°-70°	301.4	14.1
70°-80°	203.9	9.6
80°-90°	53.8	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°	523.5	24.5
0°-40°	862.8	40.4
0°-60°	1575.8	73.8
0°-90°	2135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	664	666	669	669	669	63
15°	639	641	646	649	650	180
25°	594	597	606	610	612	273
35°	526	531	542	553	558	329
45°	441	449	466	490	503	341
55°	341	352	390	429	449	305
65°	226	248	310	358	383	225
75°	112	148	209	251	265	120
85°	28	39	49	50	53	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	670.6	670.6	670.6	670.6	670.6
2.5°	666.0	667.5	670.6	670.6	672.3
5°	664.3	666.0	669.0	669.0	669.0
7.5°	659.6	661.3	664.3	666.0	666.0
10°	654.9	656.6	659.6	661.3	662.8
12.5°	647.1	648.6	653.3	656.6	656.6
15°	639.2	640.9	645.6	648.6	650.3
17.5°	629.9	632.9	637.6	640.9	642.4
20°	617.2	620.4	626.7	631.4	632.9
22.5°	606.2	609.5	615.7	620.4	623.5
25°	593.8	596.8	606.2	609.5	612.5
27.5°	578.1	581.1	589.0	595.3	600.0
30°	562.4	565.4	574.8	582.6	585.8
32.5°	545.0	549.7	560.7	566.9	571.6
35°	526.2	530.8	541.9	552.9	557.6
37.5°	507.3	512.0	523.0	537.2	543.4
40°	485.4	491.6	505.8	524.5	527.7
42.5°	464.9	472.7	485.4	507.3	515.1
45°	441.3	449.2	466.5	490.1	502.6
47.5°	419.4	427.1	446.0	474.4	490.1
50°	392.7	403.7	427.1	460.2	475.9
52.5°	367.5	377.0	408.4	444.5	463.2
55°	340.9	351.8	389.5	428.8	449.2
57.5°	317.2	326.7	369.0	413.1	436.6
60°	287.3	300.0	348.6	395.7	419.4
62.5°	255.9	274.8	328.2	377.0	402.1
65°	226.2	248.2	309.5	358.1	383.2
67.5°	199.4	223.0	285.8	337.6	361.3
70°	168.0	197.9	262.4	312.5	339.2
72.5°	139.8	172.7	235.5	285.8	309.5
75°	111.6	147.5	208.8	251.4	265.4
77.5°	86.4	120.9	179.1	191.6	193.1
80°	64.3	95.7	133.5	135.1	139.8
82.5°	43.9	67.5	86.4	94.2	95.7
85°	28.2	39.3	48.6	50.3	53.3
87.5°	12.5	14.2	17.2	15.7	15.7
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)