

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: P732022

Luminaire Tested: **22CZ2-34HE-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732022  
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-B2750-W2D-3000K  
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

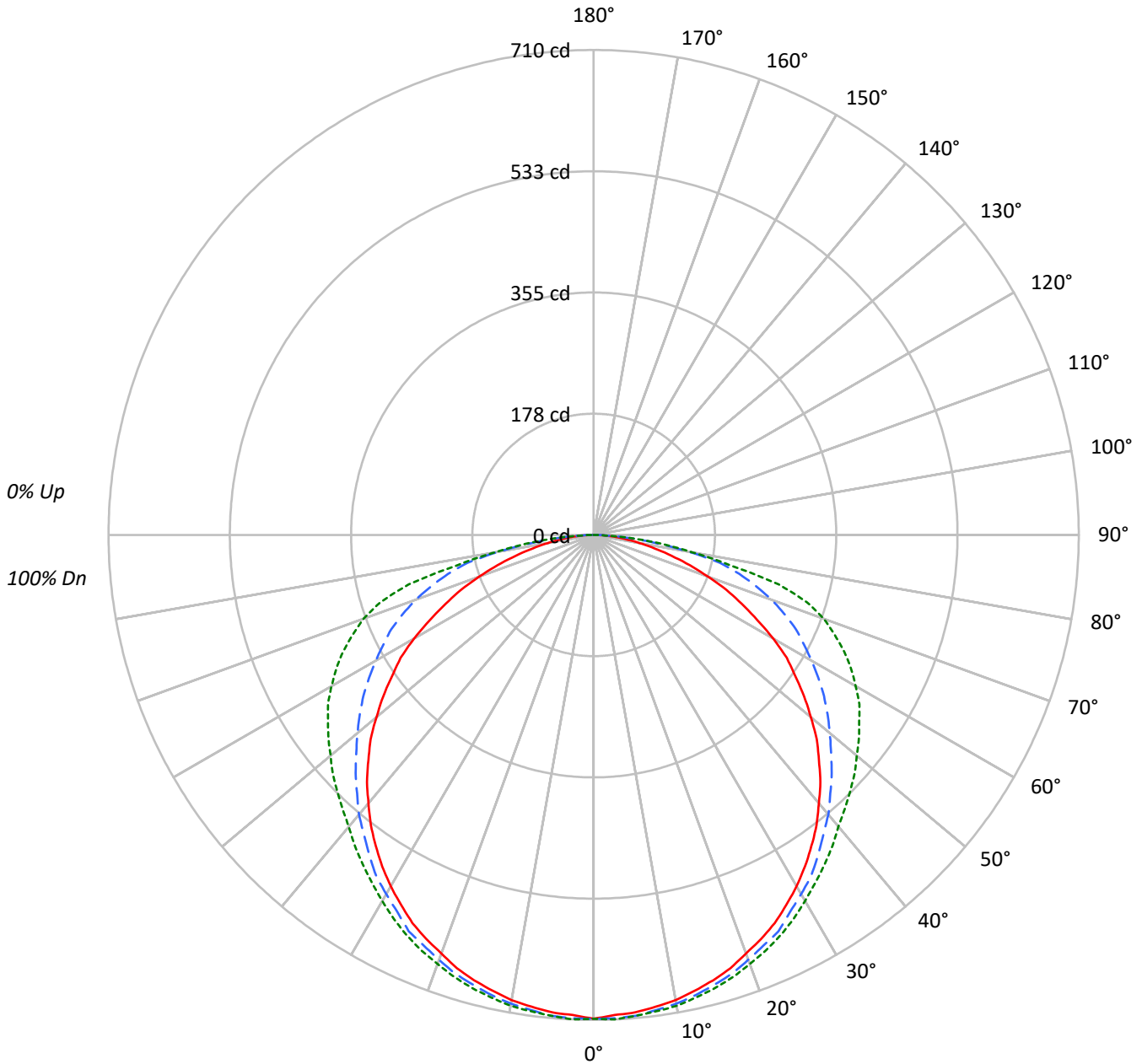
Lumens per Lamp: N/A  
Luminaire Lumens: 2255.0 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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				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	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°	2010	2010	2010
5°	1999	2013	2013
10°	1993	2007	2017
15°	1983	2003	2018
20°	1969	1999	2019
25°	1963	2005	2025
30°	1946	1989	2027
35°	1925	1983	2040
40°	1899	1979	2065
45°	1870	1977	2130
50°	1831	1991	2219
55°	1781	2035	2347
60°	1722	2090	2513
65°	1604	2195	2718
70°	1472	2299	2972
75°	1293	2419	3073
80°	1110	2306	2412
85°	970	1670	1833



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.0	3.0
10°-20°	192.4	8.5
20°-30°	293.5	13.0
30°-40°	358.4	15.9
40°-50°	383.2	17.0
50°-60°	369.9	16.4
60°-70°	318.4	14.1
70°-80°	215.4	9.6
80°-90°	56.8	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°	552.9	24.5
0°-40°	911.3	40.4
0°-60°	1664.4	73.8
0°-90°	2255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2255.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	708	708	708	708	708	
5°	702	704	707	707	707	67
15°	675	677	682	685	687	190
25°	627	630	640	644	647	289
35°	556	561	572	584	589	348
45°	466	474	493	518	531	360
55°	360	372	411	453	474	323
65°	239	262	327	378	405	238
75°	118	156	221	266	280	126
85°	30	42	51	53	56	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	708.3	708.3	708.3	708.3	708.3
2.5°	703.5	705.1	708.3	708.3	710.0
5°	701.7	703.5	706.7	706.7	706.7
7.5°	696.7	698.5	701.7	703.5	703.5
10°	691.7	693.5	696.7	698.5	700.1
12.5°	683.5	685.1	690.1	693.5	693.5
15°	675.1	676.9	681.9	685.1	686.9
17.5°	665.3	668.5	673.5	676.9	678.5
20°	651.9	655.3	661.9	666.9	668.5
22.5°	640.3	643.7	650.3	655.3	658.5
25°	627.1	630.3	640.3	643.7	646.9
27.5°	610.6	613.8	622.1	628.7	633.7
30°	594.0	597.2	607.2	615.3	618.7
32.5°	575.6	580.6	592.2	598.8	603.8
35°	555.8	560.6	572.4	584.0	589.0
37.5°	535.8	540.8	552.4	567.4	574.0
40°	512.7	519.3	534.2	554.0	557.4
42.5°	491.1	499.3	512.7	535.8	544.0
45°	466.1	474.5	492.7	517.7	530.8
47.5°	442.9	451.1	471.1	501.1	517.7
50°	414.8	426.3	451.1	486.1	502.7
52.5°	388.2	398.2	431.3	469.5	489.3
55°	360.0	371.6	411.4	452.9	474.5
57.5°	335.0	345.0	389.8	436.3	461.1
60°	303.5	316.9	368.2	418.0	442.9
62.5°	270.3	290.3	346.6	398.2	424.8
65°	238.9	262.1	326.9	378.2	404.8
67.5°	210.6	235.6	301.9	356.6	381.6
70°	177.4	209.0	277.1	330.1	358.2
72.5°	147.6	182.4	248.7	301.9	326.9
75°	117.9	155.8	220.6	265.5	280.3
77.5°	91.3	127.7	189.2	202.4	204.0
80°	67.9	101.1	141.1	142.6	147.6
82.5°	46.4	71.3	91.3	99.5	101.1
85°	29.8	41.6	51.3	53.1	56.3
87.5°	13.2	15.0	18.2	16.6	16.6
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)