

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: P842829

Luminaire Tested: **14CZ2-25-UNV-B50**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275502)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-25-UNV-B50
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

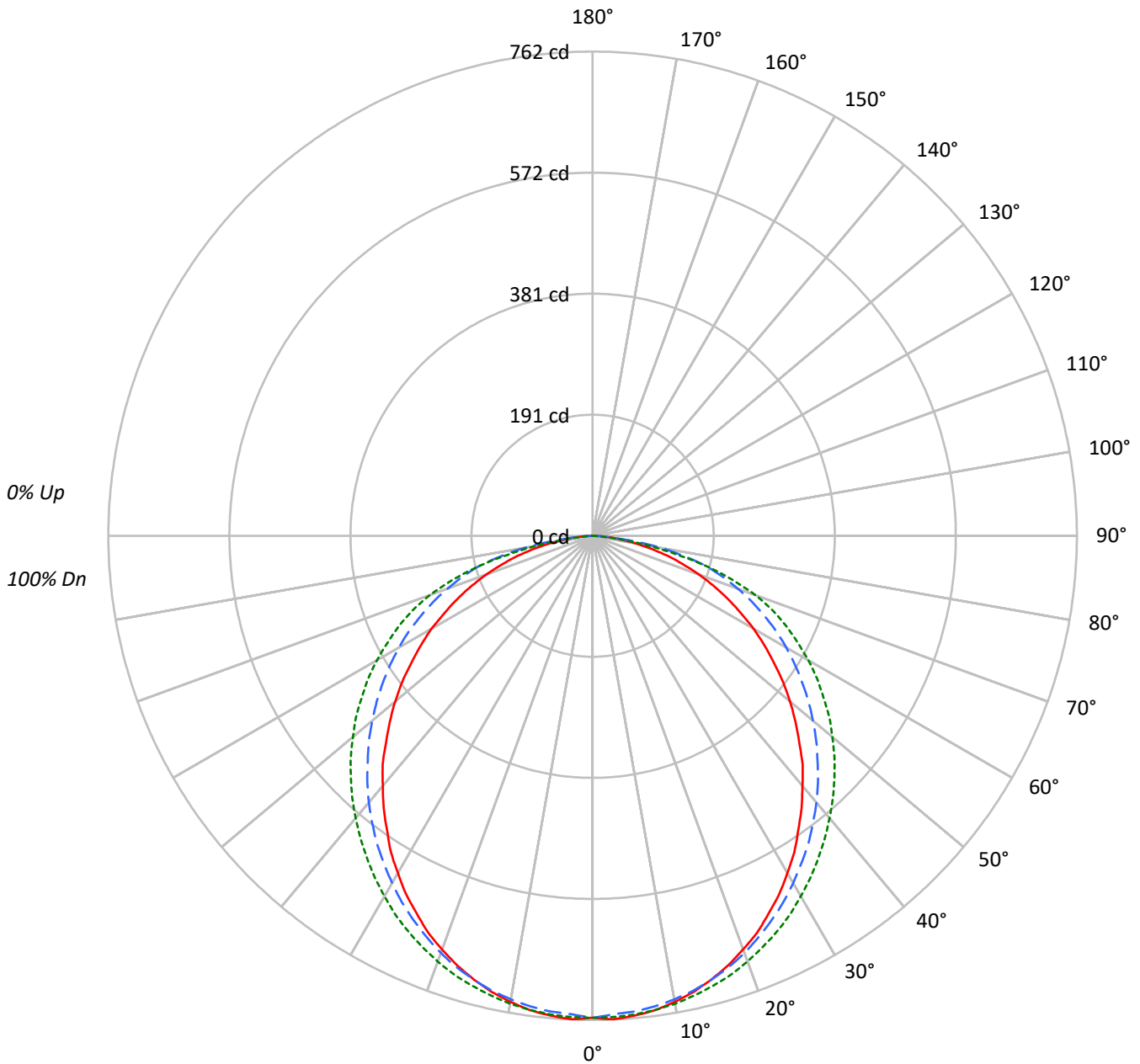
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2202.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): NR
Input Current (A_{in}): 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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	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	79	68	60	53	66	58	53	63	57	52	61	56	51	49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2141	2141	2141
5°	2148	2130	2143
10°	2135	2124	2143
15°	2112	2113	2142
20°	2081	2099	2141
25°	2042	2078	2140
30°	1997	2057	2135
35°	1944	2039	2133
40°	1892	2019	2137
45°	1835	1997	2148
50°	1781	1988	2162
55°	1713	1982	2182
60°	1652	1985	2212
65°	1568	1991	2246
70°	1472	2005	2245
75°	1333	2024	2030
80°	1094	1747	1443
85°	810	826	334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	3.3
10°-20°	205.1	9.3
20°-30°	308.9	14.0
30°-40°	370.7	16.8
40°-50°	386.4	17.5
50°-60°	357.7	16.2
60°-70°	289.0	13.1
70°-80°	176.2	8.0
80°-90°	36.4	1.7
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°	585.7	26.6
0°-40°	956.4	43.4
0°-60°	1700.5	77.2
0°-90°	2202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	758	756	752	757	756	72
15°	723	723	723	733	733	204
25°	656	659	667	684	687	302
35°	564	573	592	613	619	353
45°	460	473	500	528	538	355
55°	348	366	403	434	443	312
65°	235	258	298	328	336	232
75°	122	149	186	189	186	128
85°	25	37	26	14	10	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	758.6	758.6	758.6	758.6	758.6
2.5°	761.6	759.1	753.7	759.1	758.1
5°	758.1	756.2	751.7	757.1	756.2
7.5°	753.2	751.2	747.3	753.7	752.7
10°	744.8	743.9	740.9	748.3	747.8
12.5°	735.1	734.5	733.1	741.4	740.9
15°	722.8	723.2	723.2	733.1	733.1
17.5°	709.0	709.9	712.0	722.8	724.3
20°	692.8	694.8	698.7	711.0	712.9
22.5°	676.2	677.6	683.4	698.2	700.2
25°	655.5	659.4	667.2	684.0	687.0
27.5°	635.9	639.2	650.1	667.2	672.2
30°	612.8	618.2	631.0	649.7	655.1
32.5°	590.7	596.5	611.3	632.9	637.8
35°	564.2	573.0	591.7	613.3	619.1
37.5°	540.2	548.4	569.6	593.2	600.0
40°	513.5	523.9	548.0	573.0	579.9
42.5°	489.1	498.8	524.9	550.4	559.8
45°	459.6	473.4	500.3	528.3	538.1
47.5°	432.6	446.4	477.3	507.2	516.1
50°	405.5	420.3	452.7	483.7	492.4
52.5°	377.5	393.4	428.1	459.1	469.5
55°	348.1	366.3	402.7	434.1	443.4
57.5°	320.1	338.8	377.5	409.4	418.8
60°	292.7	311.9	351.6	382.0	391.9
62.5°	262.2	284.8	326.0	355.9	363.4
65°	234.7	257.8	298.1	327.9	336.3
67.5°	205.7	230.7	271.0	298.5	306.4
70°	178.3	204.3	243.0	268.6	272.0
72.5°	148.8	175.3	214.5	230.7	230.7
75°	122.2	149.2	185.6	188.6	186.1
77.5°	93.3	123.3	146.8	140.9	135.0
80°	67.3	96.8	107.5	96.8	88.8
82.5°	45.1	70.2	64.7	51.5	45.7
85°	25.0	37.3	25.5	14.2	10.3
87.5°	9.3	8.4	2.4	2.4	2.4
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)