

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: P842938

Luminaire Tested: **22CZ2-34HE-RDP-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842938
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-B35
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

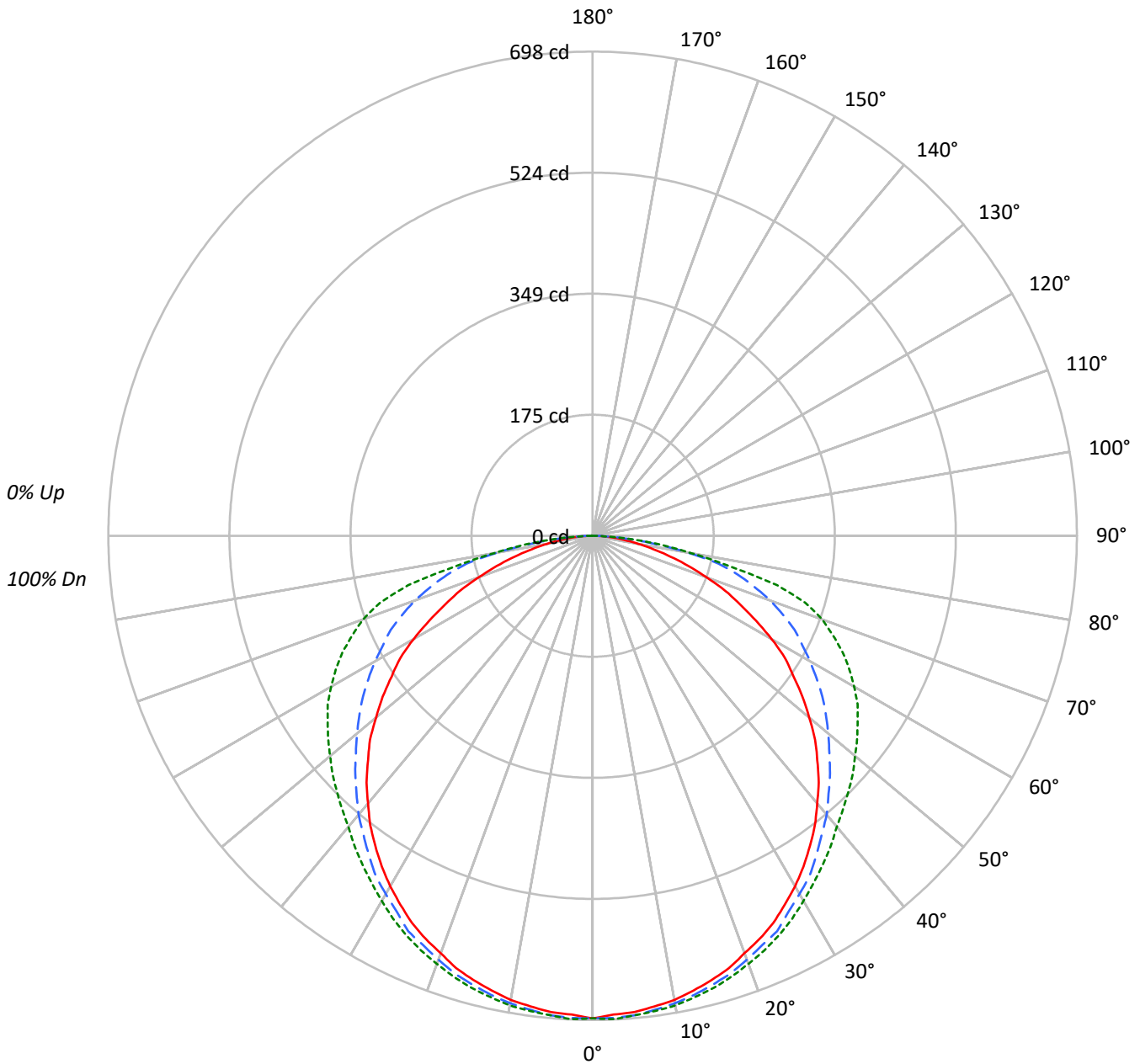
Lumens per Lamp: N/A
Luminaire Lumens: 2215.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 30
Input Voltage (V): NR
Input Current (A_{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									
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°	1974	1974	1974
5°	1963	1977	1977
10°	1958	1972	1981
15°	1948	1968	1982
20°	1933	1963	1983
25°	1929	1969	1989
30°	1912	1954	1991
35°	1891	1947	2004
40°	1865	1944	2028
45°	1837	1942	2092
50°	1798	1956	2180
55°	1749	1999	2306
60°	1692	2053	2469
65°	1576	2156	2670
70°	1446	2258	2920
75°	1270	2376	3018
80°	1090	2263	2369
85°	951	1641	1800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	3.0
10°-20°	189.0	8.5
20°-30°	288.3	13.0
30°-40°	352.0	15.9
40°-50°	376.4	17.0
50°-60°	363.3	16.4
60°-70°	312.7	14.1
70°-80°	211.6	9.6
80°-90°	55.8	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°	543.1	24.5
0°-40°	895.1	40.4
0°-60°	1634.9	73.8
0°-90°	2215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	696	696	696	696	696	
5°	689	691	694	694	694	65
15°	663	665	670	673	675	187
25°	616	619	629	632	635	283
35°	546	551	562	574	578	342
45°	458	466	484	508	521	353
55°	354	365	404	445	466	317
65°	235	258	321	372	398	233
75°	116	153	217	261	275	124
85°	29	41	50	52	55	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	695.7	695.7	695.7	695.7	695.7
2.5°	691.0	692.5	695.7	695.7	697.5
5°	689.2	691.0	694.1	694.1	694.1
7.5°	684.3	686.1	689.2	691.0	691.0
10°	679.4	681.2	684.3	686.1	687.6
12.5°	671.4	672.9	677.8	681.2	681.2
15°	663.1	664.9	669.8	672.9	674.7
17.5°	653.5	656.6	661.5	664.9	666.4
20°	640.3	643.7	650.2	655.1	656.6
22.5°	629.0	632.3	638.8	643.7	646.8
25°	616.0	619.2	629.0	632.3	635.4
27.5°	599.7	602.9	611.1	617.6	622.5
30°	583.4	586.6	596.4	604.4	607.8
32.5°	565.4	570.3	581.7	588.1	593.1
35°	546.0	550.7	562.2	573.6	578.5
37.5°	526.3	531.2	542.6	557.3	563.8
40°	503.6	510.0	524.8	544.2	547.5
42.5°	482.4	490.4	503.6	526.3	534.4
45°	457.8	466.1	483.9	508.5	521.4
47.5°	435.1	443.1	462.7	492.2	508.5
50°	407.4	418.8	443.1	477.5	493.8
52.5°	381.3	391.1	423.7	461.2	480.6
55°	353.6	365.0	404.1	444.9	466.1
57.5°	329.1	338.9	382.9	428.6	452.9
60°	298.1	311.2	361.7	410.5	435.1
62.5°	265.5	285.1	340.5	391.1	417.2
65°	234.7	257.5	321.1	371.5	397.6
67.5°	206.8	231.4	296.5	350.3	374.8
70°	174.3	205.3	272.2	324.2	351.9
72.5°	145.0	179.2	244.3	296.5	321.1
75°	115.8	153.1	216.7	260.8	275.3
77.5°	89.7	125.4	185.8	198.8	200.4
80°	66.7	99.3	138.5	140.1	145.0
82.5°	45.5	70.1	89.7	97.7	99.3
85°	29.2	40.8	50.4	52.2	55.3
87.5°	13.0	14.7	17.9	16.3	16.3
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)