

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: P842936

Luminaire Tested: **22CZ2-34HE-HRP-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-HRP-UNV-B40
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

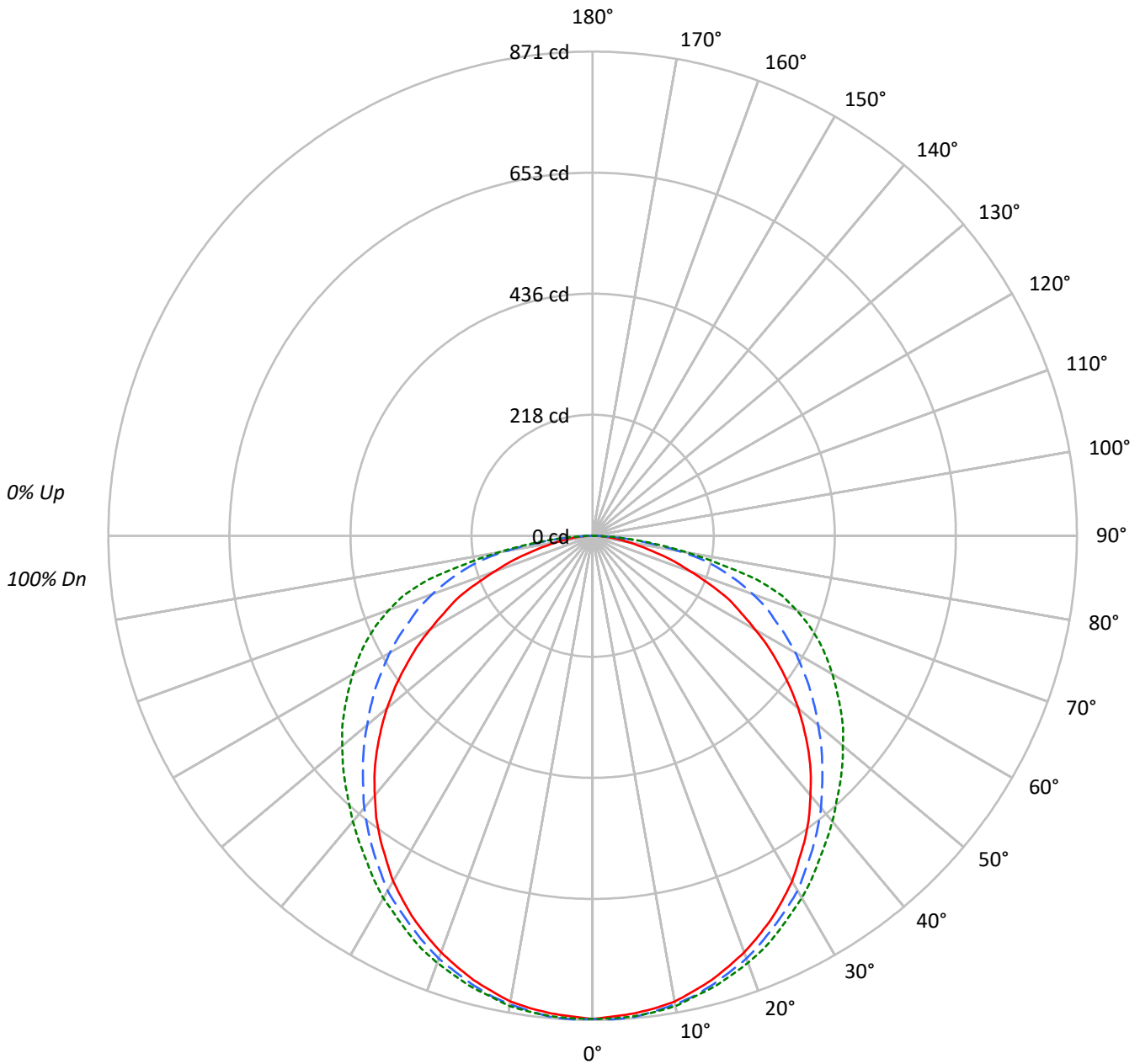
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2639.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
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 (Ain): 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	101	96	93	96	93	90	92	90	87	89	87	84	82																			
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56																			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48																			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36																			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31																			
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28																			
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25																			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2466	2466	2466
5°	2456	2475	2471
10°	2451	2466	2475
15°	2431	2455	2469
20°	2408	2443	2469
25°	2382	2424	2465
30°	2351	2416	2466
35°	2307	2387	2462
40°	2257	2368	2485
45°	2205	2344	2525
50°	2131	2337	2594
55°	2035	2356	2693
60°	1918	2390	2824
65°	1811	2437	3018
70°	1546	2541	3231
75°	1296	2647	3358
80°	1061	2557	2801
85°	925	1898	2058



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	3.1
10°-20°	235.6	8.9
20°-30°	357.0	13.5
30°-40°	431.1	16.3
40°-50°	453.0	17.2
50°-60°	426.3	16.2
60°-70°	355.4	13.5
70°-80°	235.5	8.9
80°-90°	62.8	2.4
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°	675.0	25.6
0°-40°	1106.1	41.9
0°-60°	1985.4	75.2
0°-90°	2639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	862	864	869	869	867	82
15°	827	831	836	839	841	233
25°	761	766	774	784	787	350
35°	666	672	689	704	711	416
45°	549	558	584	614	629	423
55°	411	430	476	524	544	368
65°	270	293	363	423	450	262
75°	118	165	241	291	306	128
85°	28	43	58	63	63	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.0	869.0	869.0	869.0	869.0
2.5°	865.7	867.4	870.7	870.7	869.0
5°	862.4	863.9	869.0	869.0	867.4
7.5°	857.3	859.1	862.4	865.7	863.9
10°	850.7	852.3	855.8	859.1	859.1
12.5°	839.0	840.6	847.4	848.9	848.9
15°	827.4	830.7	835.7	839.0	840.6
17.5°	812.4	815.7	822.3	829.1	829.1
20°	797.4	800.7	809.1	815.7	817.5
22.5°	779.2	784.0	792.4	800.7	804.1
25°	760.7	765.8	774.1	784.0	787.3
27.5°	739.1	744.2	755.9	767.5	769.1
30°	717.6	722.4	737.4	747.5	752.5
32.5°	690.9	697.5	712.5	727.5	732.5
35°	665.9	672.5	689.2	704.2	710.8
37.5°	639.2	645.8	664.3	682.6	690.9
40°	609.3	617.7	639.2	659.3	670.9
42.5°	580.9	589.3	610.9	637.7	649.2
45°	549.4	557.6	584.2	614.4	629.3
47.5°	516.0	526.1	557.6	594.3	609.3
50°	482.8	494.4	529.4	571.0	587.7
52.5°	447.8	462.8	502.8	547.7	567.7
55°	411.3	429.5	476.2	524.4	544.4
57.5°	376.3	392.8	447.8	499.5	521.1
60°	338.0	359.6	421.2	474.4	497.7
62.5°	301.3	324.6	392.8	449.5	474.4
65°	269.8	292.9	362.9	422.9	449.5
67.5°	228.0	259.7	338.0	394.5	421.2
70°	186.4	229.7	306.3	364.6	389.5
72.5°	154.9	196.5	274.6	332.9	356.3
75°	118.2	164.8	241.4	291.3	306.3
77.5°	88.2	136.4	206.4	231.5	233.0
80°	64.9	105.0	156.5	164.8	171.4
82.5°	44.9	73.3	101.5	111.6	114.9
85°	28.4	43.3	58.3	63.2	63.2
87.5°	15.0	16.7	20.0	20.0	20.0
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)