

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: P880732

Luminaire Tested: **22CZ2-39VHE-RDP-B2750-W2D-2700K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474998)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-39VHE-RDP-B2750-W2D-2700K
Description: 2X2 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

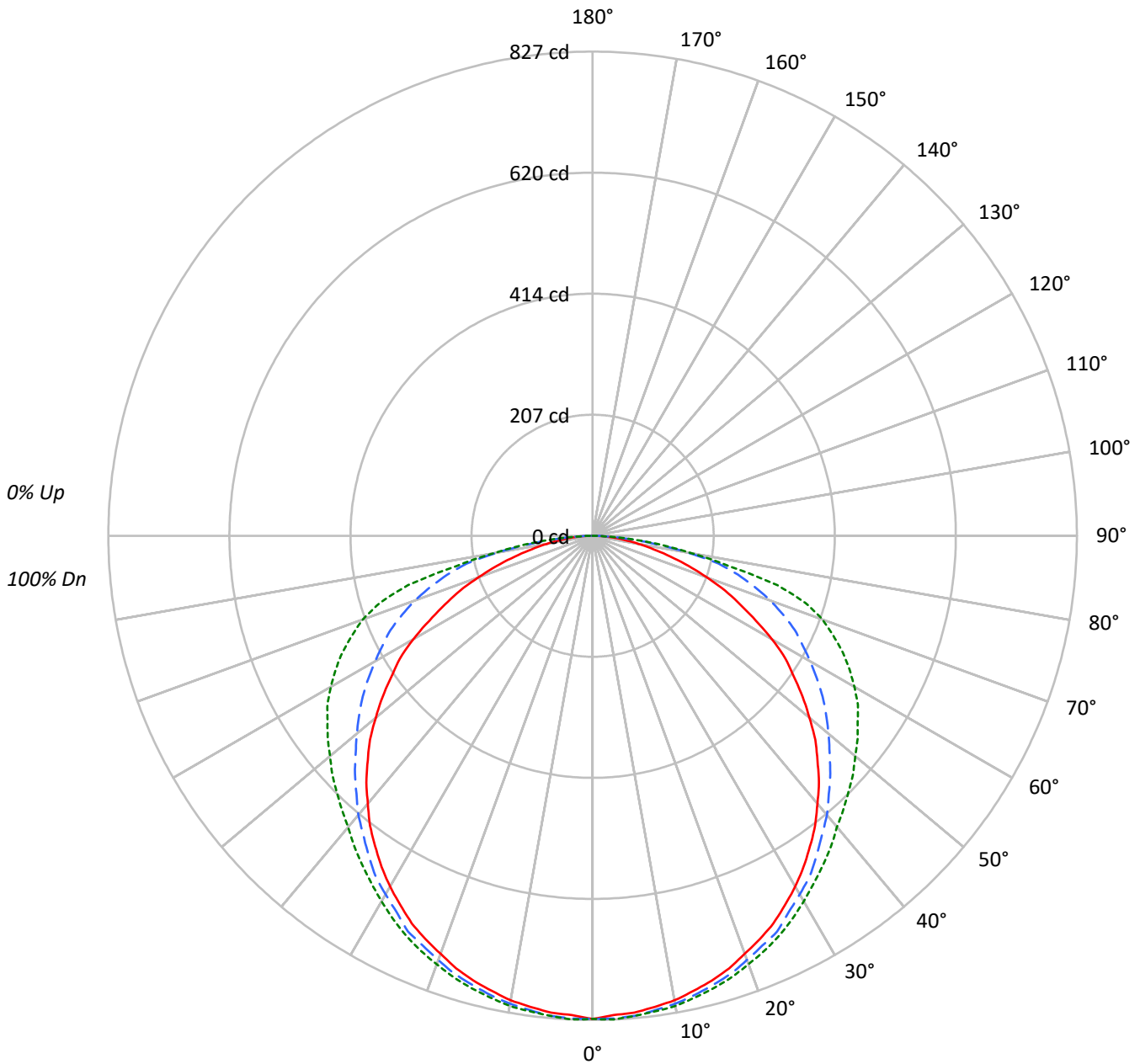
Lumens per Lamp: N/A
Luminaire Lumens: 2627.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 32
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°	2342	2342	2342
5°	2328	2345	2345
10°	2322	2338	2350
15°	2311	2333	2350
20°	2294	2328	2352
25°	2287	2335	2360
30°	2267	2317	2362
35°	2242	2309	2377
40°	2212	2305	2405
45°	2179	2303	2481
50°	2133	2320	2584
55°	2074	2371	2734
60°	2007	2434	2928
65°	1868	2557	3166
70°	1716	2678	3464
75°	1505	2818	3581
80°	1296	2682	2812
85°	1133	1947	2136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	3.0
10°-20°	224.1	8.5
20°-30°	341.9	13.0
30°-40°	417.5	15.9
40°-50°	446.4	17.0
50°-60°	430.9	16.4
60°-70°	370.9	14.1
70°-80°	251.0	9.6
80°-90°	66.2	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°	644.1	24.5
0°-40°	1061.6	40.4
0°-60°	1938.9	73.8
0°-90°	2627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	825	825	825	825	825	
5°	817	819	823	823	823	78
15°	787	788	794	798	800	222
25°	730	734	746	750	754	336
35°	647	653	667	680	686	405
45°	543	553	574	603	618	419
55°	419	433	479	528	553	376
65°	278	305	381	440	472	277
75°	137	182	257	309	327	147
85°	35	48	60	62	66	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	825.2	825.2	825.2	825.2	825.2
2.5°	819.4	821.2	825.2	825.2	827.0
5°	817.4	819.4	823.2	823.2	823.2
7.5°	811.6	813.6	817.4	819.4	819.4
10°	805.8	807.8	811.6	813.6	815.6
12.5°	796.2	798.0	803.8	807.8	807.8
15°	786.6	788.4	794.2	798.0	800.0
17.5°	774.8	778.8	784.6	788.4	790.4
20°	759.6	763.4	771.0	777.0	778.8
22.5°	745.9	749.9	757.6	763.4	767.2
25°	730.5	734.3	745.9	749.9	753.7
27.5°	711.1	715.1	724.7	732.3	738.1
30°	691.9	695.7	707.3	717.1	720.9
32.5°	670.5	676.3	689.9	697.7	703.3
35°	647.3	653.1	666.7	680.1	686.1
37.5°	624.3	630.1	643.5	660.9	668.7
40°	597.2	604.8	622.3	645.5	649.3
42.5°	572.0	581.6	597.2	624.3	633.9
45°	543.0	552.6	574.0	603.0	618.2
47.5°	516.0	525.6	548.8	583.6	603.0
50°	483.2	496.6	525.6	566.2	585.4
52.5°	452.1	463.7	502.6	546.8	570.2
55°	419.3	432.9	479.3	527.6	552.6
57.5°	390.5	401.9	454.1	508.4	537.2
60°	353.7	369.1	428.9	487.0	516.0
62.5°	314.8	338.2	403.9	463.7	494.6
65°	278.2	305.2	380.9	440.5	471.5
67.5°	245.4	274.4	351.9	415.5	444.5
70°	206.8	243.6	322.8	384.7	417.5
72.5°	172.1	212.6	290.0	351.9	380.9
75°	137.3	181.7	257.0	309.2	326.6
77.5°	106.3	148.9	220.2	235.8	237.8
80°	79.3	117.9	164.1	166.1	172.1
82.5°	54.2	83.1	106.3	115.9	117.9
85°	34.8	48.4	59.8	61.8	65.6
87.5°	15.6	17.4	21.2	19.4	19.4
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)