

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: P880658

Luminaire Tested: **22CZ2-24VHE-RDP-B2750-W2D-3000K**

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: P880658
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: 22CZ2-24VHE-RDP-B2750-W2D-3000K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

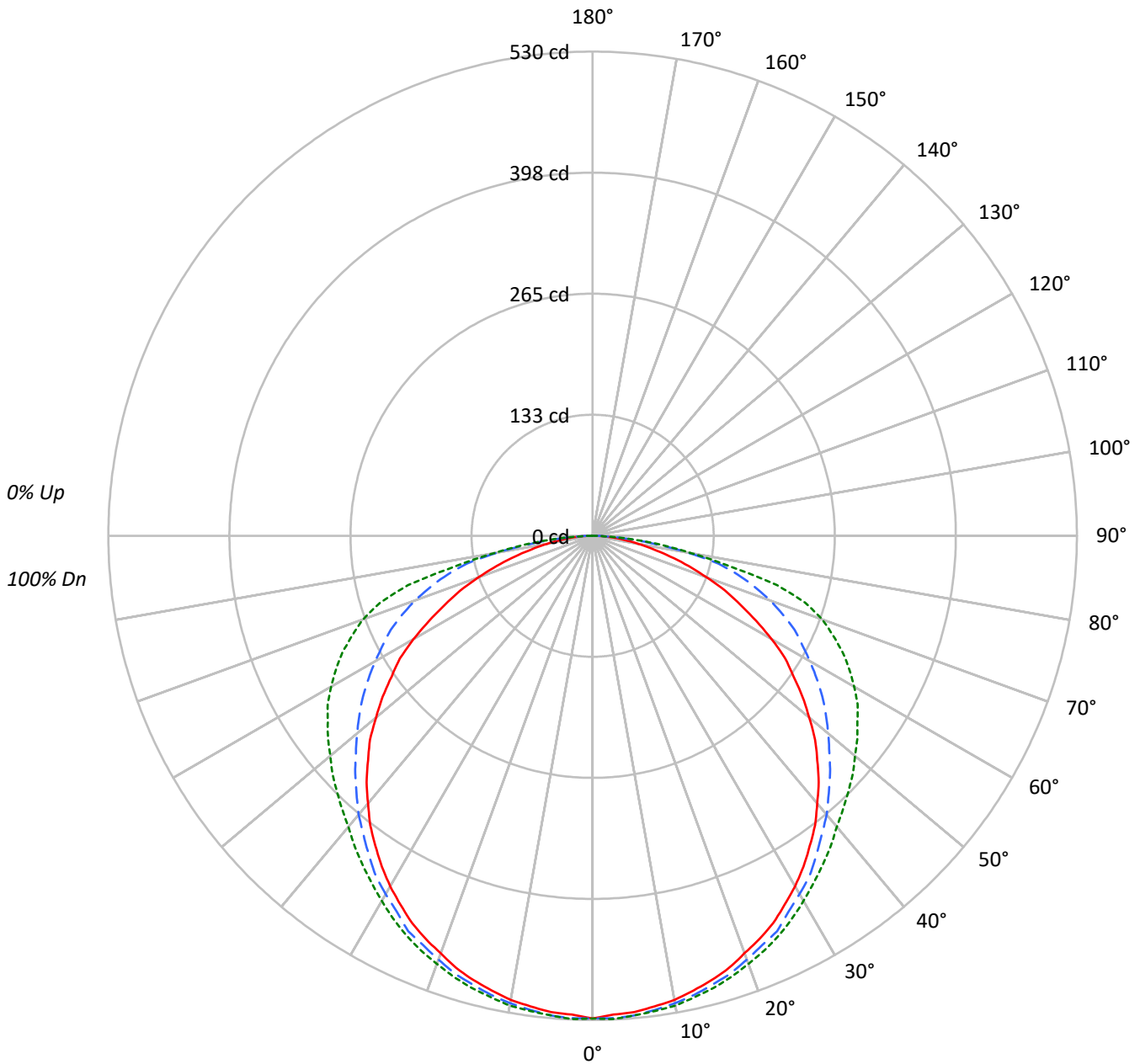
Lumens per Lamp: N/A
Luminaire Lumens: 1682.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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	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°	1499	1499	1499
5°	1491	1501	1501
10°	1486	1497	1505
15°	1479	1494	1505
20°	1468	1490	1506
25°	1464	1495	1511
30°	1451	1484	1512
35°	1435	1479	1522
40°	1416	1476	1540
45°	1395	1475	1588
50°	1365	1485	1655
55°	1328	1518	1750
60°	1285	1558	1875
65°	1196	1638	2027
70°	1098	1715	2218
75°	964	1803	2292
80°	828	1717	1801
85°	726	1247	1367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	3.0
10°-20°	143.5	8.5
20°-30°	218.9	13.0
30°-40°	267.3	15.9
40°-50°	285.8	17.0
50°-60°	275.9	16.4
60°-70°	237.5	14.1
70°-80°	160.7	9.6
80°-90°	42.4	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°	412.4	24.5
0°-40°	679.7	40.4
0°-60°	1241.4	73.8
0°-90°	1682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	528	528	528	528	528	
5°	523	525	527	527	527	50
15°	504	505	508	511	512	142
25°	468	470	478	480	483	215
35°	414	418	427	435	439	259
45°	348	354	368	386	396	268
55°	268	277	307	338	354	241
65°	178	195	244	282	302	177
75°	88	116	164	198	209	94
85°	22	31	38	40	42	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	528.4	528.4	528.4	528.4	528.4
2.5°	524.6	525.8	528.4	528.4	529.5
5°	523.4	524.6	527.1	527.1	527.1
7.5°	519.6	520.9	523.4	524.6	524.6
10°	515.9	517.2	519.6	520.9	522.2
12.5°	509.8	510.9	514.6	517.2	517.2
15°	503.6	504.8	508.5	510.9	512.2
17.5°	496.1	498.6	502.3	504.8	506.1
20°	486.3	488.8	493.6	497.5	498.6
22.5°	477.6	480.2	485.0	488.8	491.2
25°	467.7	470.2	477.6	480.2	482.6
27.5°	455.3	457.9	464.0	468.9	472.6
30°	443.0	445.4	452.9	459.2	461.6
32.5°	429.3	433.0	441.7	446.7	450.3
35°	414.4	418.1	426.9	435.4	439.3
37.5°	399.7	403.4	412.0	423.1	428.1
40°	382.4	387.3	398.4	413.3	415.7
42.5°	366.2	372.4	382.4	399.7	405.8
45°	347.7	353.8	367.5	386.1	395.8
47.5°	330.4	336.5	351.4	373.7	386.1
50°	309.3	317.9	336.5	362.5	374.8
52.5°	289.5	296.9	321.8	350.1	365.1
55°	268.5	277.2	306.9	337.8	353.8
57.5°	250.0	257.3	290.8	325.5	343.9
60°	226.4	236.3	274.6	311.8	330.4
62.5°	201.6	216.6	258.6	296.9	316.7
65°	178.1	195.4	243.9	282.1	301.9
67.5°	157.1	175.7	225.3	266.0	284.6
70°	132.4	156.0	206.7	246.3	267.3
72.5°	110.2	136.1	185.7	225.3	243.9
75°	87.9	116.4	164.5	198.0	209.1
77.5°	68.0	95.3	141.0	151.0	152.2
80°	50.7	75.5	105.1	106.4	110.2
82.5°	34.7	53.2	68.0	74.2	75.5
85°	22.3	31.0	38.3	39.6	42.0
87.5°	10.0	11.1	13.6	12.4	12.4
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)