

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: P732321

Luminaire Tested: **24CZ2-50HE-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-50HE-RDP-B2750-W2D-2700K
Description: 2X4 5000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

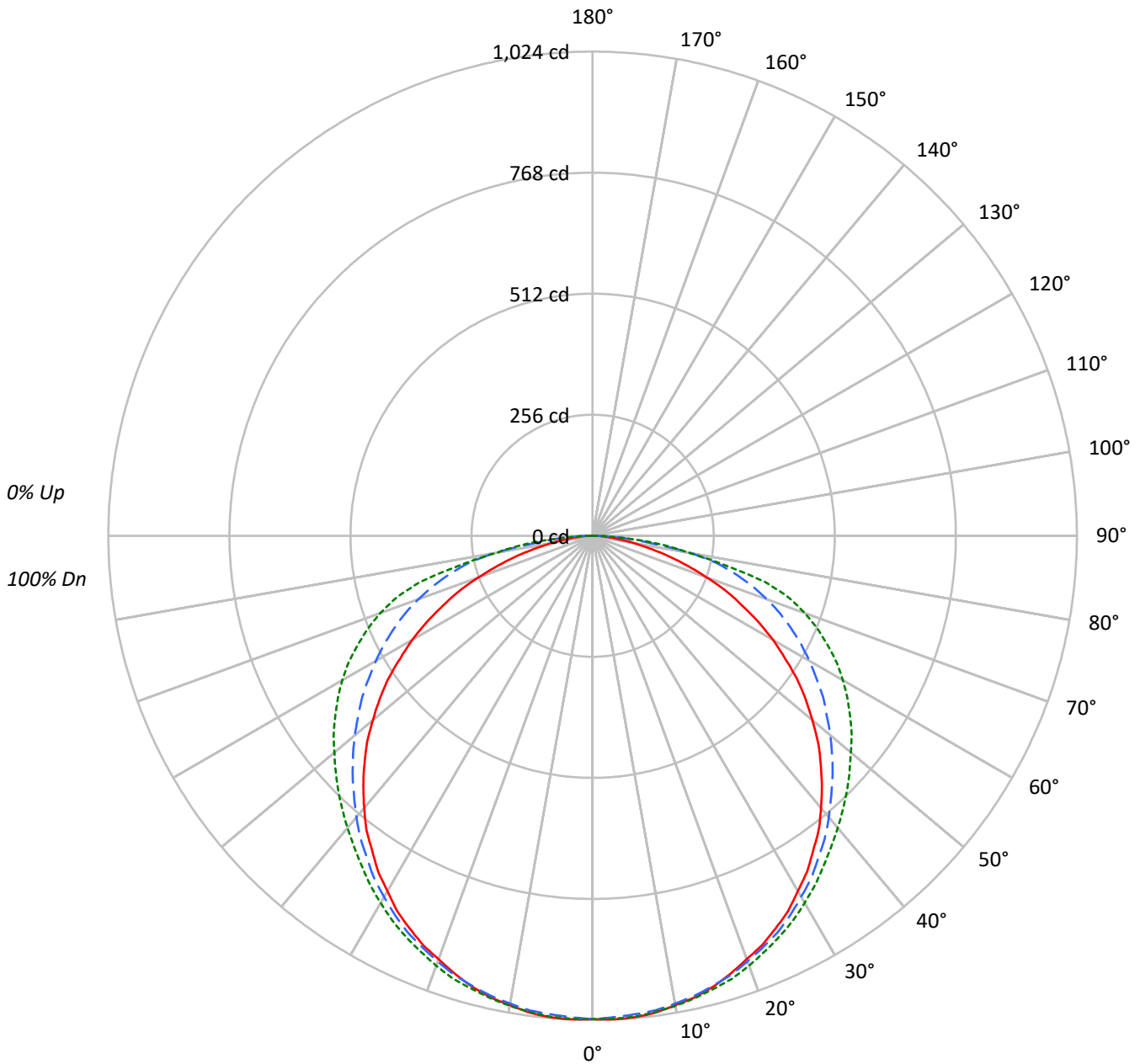
Lumens per Lamp: N/A
Luminaire Lumens: 3251.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67			
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56			
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47			
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40			
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31			
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27			
9	55	41	33	27	53	40	32	27	39	32	27	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°	1443	1443	1443
5°	1448	1439	1446
10°	1444	1440	1447
15°	1442	1440	1449
20°	1431	1439	1453
25°	1426	1441	1456
30°	1414	1437	1461
35°	1400	1433	1467
40°	1385	1432	1486
45°	1361	1432	1519
50°	1331	1441	1565
55°	1297	1464	1635
60°	1243	1493	1725
65°	1163	1546	1831
70°	1058	1617	1970
75°	897	1706	2058
80°	708	1717	1664
85°	523	1307	1461



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	3.0
10°-20°	279.1	8.6
20°-30°	426.8	13.1
30°-40°	521.8	16.0
40°-50°	556.1	17.1
50°-60°	531.7	16.4
60°-70°	450.4	13.9
70°-80°	302.7	9.3
80°-90°	85.4	2.6
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°	802.9	24.7
0°-40°	1324.7	40.7
0°-60°	2412.5	74.2
0°-90°	3251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3251.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1022	1021	1016	1021	1021	97
15°	987	987	985	993	992	278
25°	916	919	926	934	935	422
35°	813	819	832	848	851	509
45°	682	693	718	748	761	526
55°	527	547	595	642	664	470
65°	348	384	463	524	548	346
75°	164	224	313	366	377	176
85°	32	66	81	87	90	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1022.4	1022.4	1022.4	1022.4	1022.4
2.5°	1023.9	1023.9	1019.1	1022.4	1022.4
5°	1022.4	1020.8	1015.9	1020.8	1020.8
7.5°	1017.5	1015.9	1012.6	1017.5	1015.9
10°	1007.8	1007.8	1004.7	1009.5	1009.5
12.5°	999.8	998.2	996.5	1002.9	1001.4
15°	987.0	987.0	985.2	993.4	991.6
17.5°	970.8	972.4	973.9	980.4	982.1
20°	952.9	956.2	957.8	967.5	967.5
22.5°	936.8	938.6	941.7	951.4	951.4
25°	916.0	919.1	925.5	933.7	935.2
27.5°	895.0	896.6	904.7	916.0	917.6
30°	867.6	872.4	882.0	895.0	896.6
32.5°	843.3	848.1	859.4	872.4	875.6
35°	812.8	819.2	832.0	848.1	851.4
37.5°	785.3	790.2	806.3	824.0	828.9
40°	751.5	761.0	777.2	798.2	806.3
42.5°	717.7	727.2	746.6	774.1	783.8
45°	682.1	693.4	717.7	748.2	761.0
47.5°	646.7	659.5	687.0	722.3	736.9
50°	606.3	622.4	656.2	696.7	712.8
52.5°	567.6	587.0	624.1	669.3	690.3
55°	527.3	546.6	595.0	641.8	664.4
57.5°	482.2	507.9	561.1	614.4	638.5
60°	440.2	464.3	528.9	587.0	611.1
62.5°	395.1	427.4	496.6	557.8	582.1
65°	348.2	383.8	462.8	524.0	548.3
67.5°	306.4	345.1	428.9	490.2	514.5
70°	256.5	304.7	391.8	453.0	477.3
72.5°	209.6	262.9	353.1	412.8	435.3
75°	164.5	224.2	312.9	366.1	377.4
77.5°	122.5	185.5	270.9	293.4	285.4
80°	87.1	148.4	211.2	199.9	204.7
82.5°	56.4	113.0	130.7	148.4	153.2
85°	32.3	66.1	80.7	87.1	90.2
87.5°	14.6	24.1	32.3	32.3	30.7
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)