

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: P732296

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

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732296
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: 24CZ2-50-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

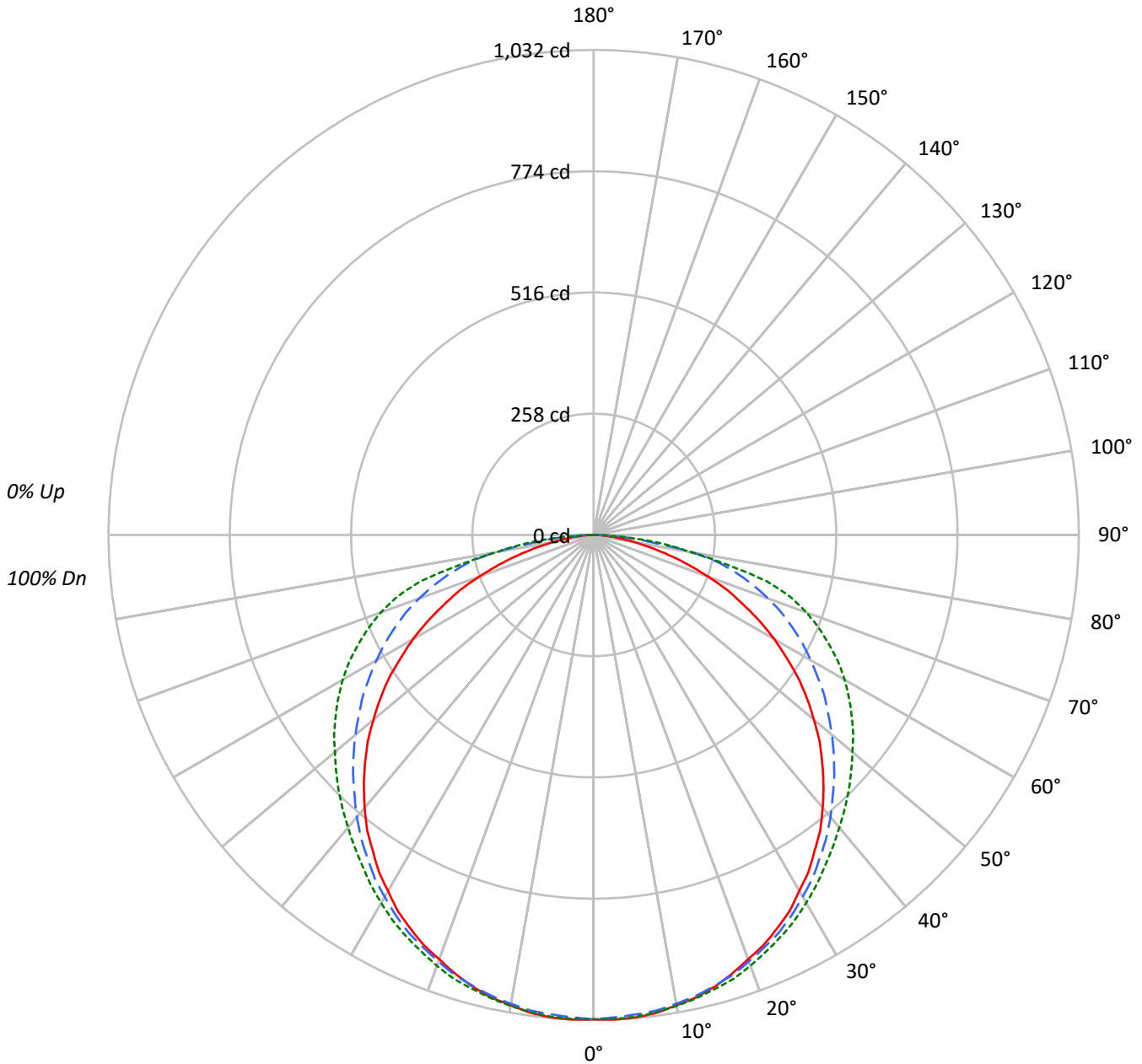
Lumens per Lamp: N/A
Luminaire Lumens: 3278.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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				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				100
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82				82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67				67
3	88	77	68	62	86	76	68	61	72	66	60	70	64	59	67	62	58	56				56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47				47
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35				35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31				31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27				27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24				24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22				22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1455	1455	1455
5°	1460	1451	1458
10°	1456	1452	1459
15°	1454	1451	1461
20°	1443	1451	1465
25°	1438	1453	1468
30°	1426	1449	1473
35°	1412	1445	1479
40°	1396	1444	1498
45°	1373	1444	1532
50°	1342	1453	1578
55°	1308	1476	1648
60°	1253	1505	1739
65°	1173	1558	1846
70°	1067	1630	1986
75°	905	1720	2075
80°	714	1730	1678
85°	526	1318	1474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	3.0
10°-20°	281.4	8.6
20°-30°	430.4	13.1
30°-40°	526.1	16.0
40°-50°	560.7	17.1
50°-60°	536.1	16.4
60°-70°	454.2	13.9
70°-80°	305.2	9.3
80°-90°	86.1	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°	809.6	24.7
0°-40°	1335.7	40.7
0°-60°	2432.5	74.2
0°-90°	3278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1031	1031	1031	1031	1031	
5°	1031	1029	1024	1029	1029	98
15°	995	995	993	1002	1000	281
25°	924	927	933	941	943	426
35°	820	826	839	855	858	513
45°	688	699	724	754	767	531
55°	532	551	600	647	670	474
65°	351	387	467	528	553	349
75°	166	226	315	369	380	178
85°	32	67	81	88	91	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1030.8	1030.8	1030.8	1030.8	1030.8
2.5°	1032.4	1032.4	1027.5	1030.8	1030.8
5°	1030.8	1029.3	1024.4	1029.3	1029.3
7.5°	1025.9	1024.4	1021.0	1025.9	1024.4
10°	1016.1	1016.1	1013.0	1017.9	1017.9
12.5°	1008.1	1006.5	1004.8	1011.2	1009.7
15°	995.2	995.2	993.4	1001.6	999.9
17.5°	978.9	980.5	982.0	988.5	990.3
20°	960.9	964.2	965.8	975.6	975.6
22.5°	944.6	946.3	949.5	959.3	959.3
25°	923.6	926.7	933.2	941.4	943.0
27.5°	902.4	904.0	912.2	923.6	925.2
30°	874.8	879.7	889.3	902.4	904.0
32.5°	850.3	855.2	866.6	879.7	882.8
35°	819.5	826.0	838.9	855.2	858.5
37.5°	791.9	796.8	813.0	830.9	835.8
40°	757.7	767.4	783.6	804.8	813.0
42.5°	723.6	733.2	752.8	780.5	790.3
45°	687.8	699.1	723.6	754.4	767.4
47.5°	652.1	665.0	692.7	728.3	743.0
50°	611.3	627.6	661.7	702.5	718.7
52.5°	572.3	591.9	629.3	674.8	696.0
55°	531.7	551.1	599.9	647.2	669.9
57.5°	486.2	512.1	565.8	619.5	643.8
60°	443.9	468.2	533.3	591.9	616.2
62.5°	398.4	430.9	500.7	562.5	587.0
65°	351.1	387.0	466.6	528.4	552.9
67.5°	309.0	348.0	432.5	494.2	518.8
70°	258.6	307.2	395.0	456.8	481.3
72.5°	211.3	265.1	356.0	416.2	439.0
75°	165.9	226.0	315.4	369.2	380.5
77.5°	123.5	187.0	273.1	295.8	287.8
80°	87.8	149.6	212.9	201.5	206.4
82.5°	56.9	113.9	131.7	149.6	154.5
85°	32.5	66.7	81.4	87.8	91.0
87.5°	14.7	24.3	32.5	32.5	31.0
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)