

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: P732101

Luminaire Tested: **24CZ2-30-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30-S-B2750-W2D-2700K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

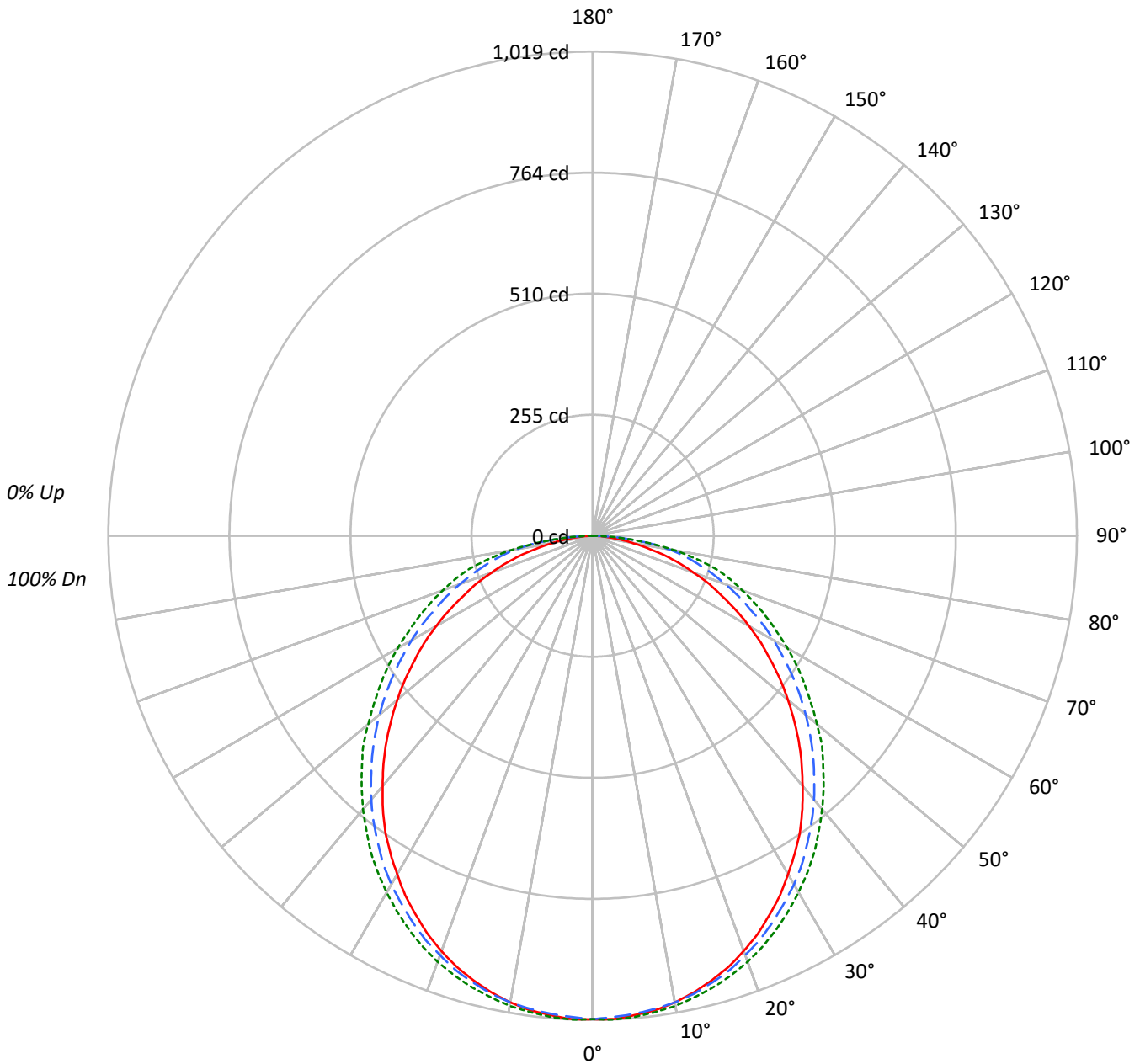
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2896.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69								
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49								
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42								
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37								
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29								
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26								
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1436	1436	1436
5°	1435	1431	1440
10°	1429	1429	1440
15°	1415	1422	1437
20°	1397	1411	1433
25°	1371	1397	1424
30°	1340	1381	1412
35°	1311	1358	1401
40°	1266	1335	1385
45°	1225	1309	1370
50°	1178	1285	1353
55°	1125	1261	1340
60°	1072	1241	1337
65°	1005	1220	1345
70°	930	1226	1382
75°	833	1249	1460
80°	673	1323	1428
85°	507	1161	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	3.3
10°-20°	275.2	9.5
20°-30°	413.7	14.3
30°-40°	492.8	17.0
40°-50°	504.3	17.4
50°-60°	454.1	15.7
60°-70°	356.6	12.3
70°-80°	231.4	8.0
80°-90°	71.6	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°	785.2	27.1
0°-40°	1278.0	44.1
0°-60°	2236.4	77.2
0°-90°	2896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1013	1015	1010	1016	1016	96
15°	969	971	973	982	983	273
25°	880	888	897	912	914	406
35°	761	770	788	808	813	475
45°	614	628	656	681	686	473
55°	457	478	512	539	545	410
65°	301	324	365	396	403	299
75°	153	182	229	260	268	162
85°	31	58	72	70	70	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.4	1017.4	1017.4	1017.4	1017.4
2.5°	1018.3	1018.3	1013.7	1018.3	1019.2
5°	1012.8	1014.7	1010.0	1015.5	1016.4
7.5°	1007.2	1007.2	1004.5	1010.0	1011.0
10°	997.1	998.0	997.1	1003.6	1004.5
12.5°	984.3	986.1	987.1	993.5	994.4
15°	968.7	971.4	973.2	981.5	983.4
17.5°	951.2	953.9	958.5	967.7	969.6
20°	930.0	933.6	939.2	951.2	953.9
22.5°	907.0	910.7	919.9	930.9	935.5
25°	880.3	887.6	896.8	911.6	914.4
27.5°	853.6	860.1	872.0	887.6	891.4
30°	822.4	832.5	847.2	862.8	866.5
32.5°	792.0	802.1	819.6	836.2	840.8
35°	760.7	769.9	788.3	807.6	813.2
37.5°	724.8	736.8	757.1	776.4	781.9
40°	687.2	701.9	724.8	745.1	751.5
42.5°	651.2	666.9	689.9	712.0	719.3
45°	613.6	628.3	655.9	680.7	686.3
47.5°	574.9	591.5	620.9	645.7	654.9
50°	536.3	553.8	585.1	610.8	616.3
52.5°	497.6	516.0	549.2	576.8	579.5
55°	457.2	477.5	512.4	539.1	544.6
57.5°	420.4	437.9	475.6	503.2	509.6
60°	379.9	399.2	439.7	465.5	473.7
62.5°	341.2	361.5	403.9	429.6	436.9
65°	300.8	323.8	365.2	395.6	402.9
67.5°	265.9	287.9	332.1	361.5	368.8
70°	225.3	250.3	297.1	327.5	334.8
72.5°	190.4	216.1	263.1	292.5	303.6
75°	152.7	182.1	229.1	260.3	267.7
77.5°	115.9	150.0	197.7	221.7	221.7
80°	82.8	118.7	162.8	173.9	175.7
82.5°	54.3	89.2	120.5	119.6	119.6
85°	31.3	58.0	71.7	69.9	69.9
87.5°	12.0	23.9	25.7	25.7	24.8
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)