

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: P732086

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732086
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-B2750-W2D-2700K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

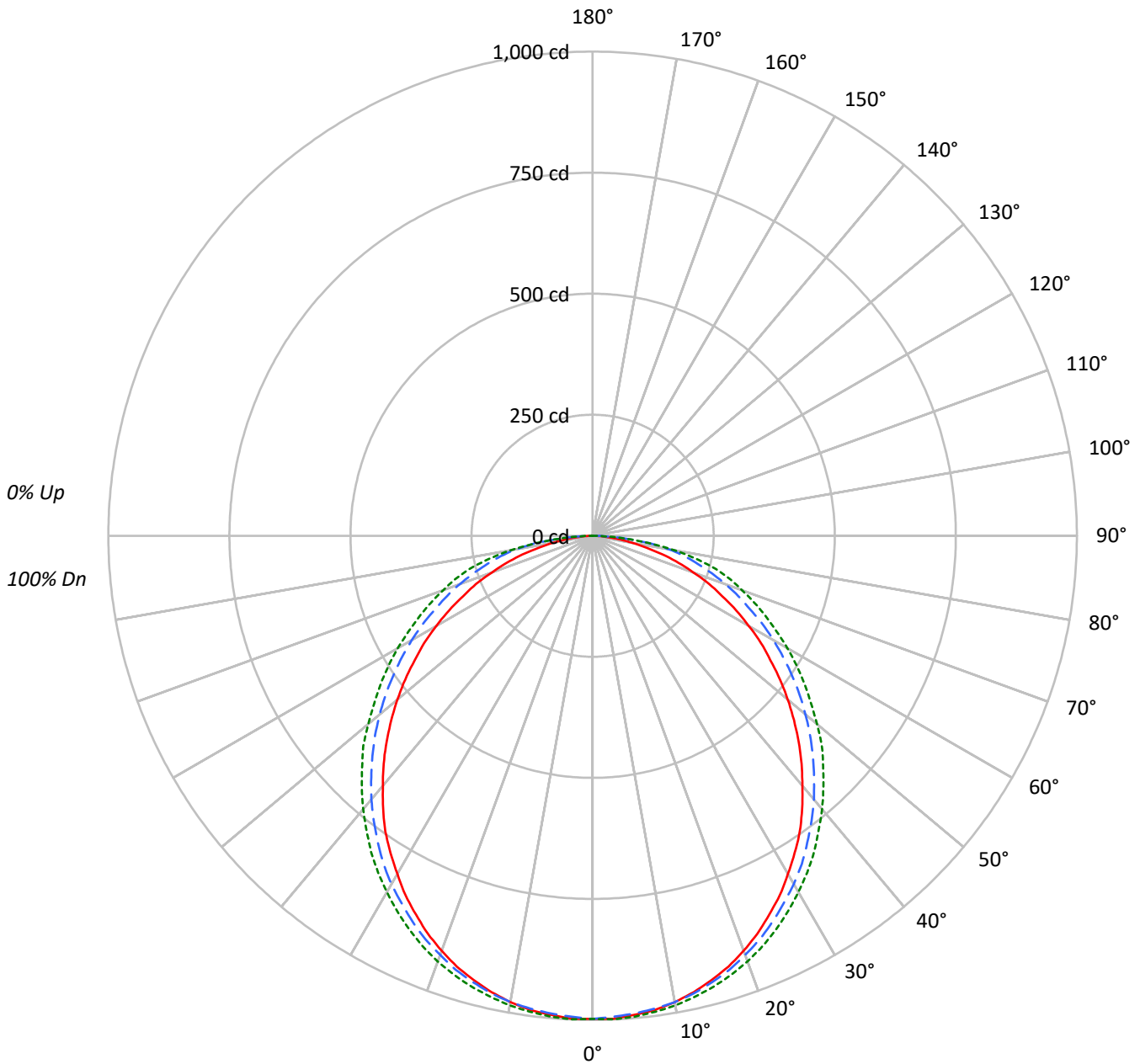
Lumens per Lamp: N/A
Luminaire Lumens: 2840.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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°	1408	1408	1408
5°	1407	1403	1412
10°	1401	1401	1412
15°	1388	1394	1409
20°	1370	1383	1405
25°	1344	1370	1396
30°	1314	1354	1385
35°	1285	1332	1374
40°	1242	1310	1358
45°	1201	1284	1343
50°	1155	1260	1327
55°	1103	1236	1314
60°	1052	1217	1311
65°	985	1196	1319
70°	912	1202	1355
75°	817	1225	1431
80°	660	1298	1400
85°	497	1138	1111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	3.3
10°-20°	269.9	9.5
20°-30°	405.7	14.3
30°-40°	483.3	17.0
40°-50°	494.6	17.4
50°-60°	445.3	15.7
60°-70°	349.7	12.3
70°-80°	227.0	8.0
80°-90°	70.2	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°	770.0	27.1
0°-40°	1253.3	44.1
0°-60°	2193.2	77.2
0°-90°	2840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2840.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	993	995	990	996	997	94
15°	950	953	954	962	964	268
25°	863	870	880	894	897	398
35°	746	755	773	792	797	465
45°	602	616	643	668	673	464
55°	448	468	502	529	534	402
65°	295	318	358	388	395	294
75°	150	179	225	255	262	158
85°	31	57	70	69	69	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	997.8	997.8	997.8	997.8	997.8
2.5°	998.6	998.6	994.1	998.6	999.5
5°	993.2	995.0	990.5	995.9	996.8
7.5°	987.8	987.8	985.0	990.5	991.5
10°	977.9	978.7	977.9	984.2	985.0
12.5°	965.3	967.0	968.0	974.3	975.1
15°	949.9	952.7	954.4	962.5	964.4
17.5°	932.8	935.5	939.9	949.0	950.8
20°	912.0	915.6	921.0	932.8	935.5
22.5°	889.5	893.1	902.1	912.9	917.4
25°	863.3	870.5	879.5	894.0	896.7
27.5°	837.1	843.4	855.2	870.5	874.2
30°	806.5	816.4	830.8	846.1	849.7
32.5°	776.7	786.6	803.7	820.1	824.5
35°	746.0	755.1	773.1	792.0	797.4
37.5°	710.8	722.6	742.4	761.4	766.8
40°	673.9	688.3	710.8	730.7	737.0
42.5°	638.7	654.0	676.6	698.2	705.4
45°	601.7	616.2	643.2	667.6	673.0
47.5°	563.8	580.1	608.9	633.2	642.2
50°	525.9	543.1	573.8	599.0	604.4
52.5°	488.0	506.1	538.5	565.6	568.3
55°	448.3	468.2	502.5	528.7	534.1
57.5°	412.3	429.4	466.4	493.4	499.7
60°	372.6	391.5	431.2	456.5	464.5
62.5°	334.7	354.5	396.1	421.3	428.4
65°	295.0	317.6	358.1	387.9	395.1
67.5°	260.7	282.4	325.6	354.5	361.7
70°	221.0	245.4	291.4	321.2	328.3
72.5°	186.7	211.9	258.0	286.8	297.7
75°	149.8	178.6	224.7	255.3	262.5
77.5°	113.7	147.1	193.9	217.4	217.4
80°	81.2	116.4	159.7	170.5	172.3
82.5°	53.3	87.5	118.1	117.3	117.3
85°	30.7	56.8	70.3	68.6	68.6
87.5°	11.7	23.5	25.2	25.2	24.3
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)