

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: P732103

Luminaire Tested: **24CZ2-30-S-B2750-W2D-3500K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732103  
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-3500K  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND SMOOTH LENS  
  
Light Source: -  
Ballast/Driver: -

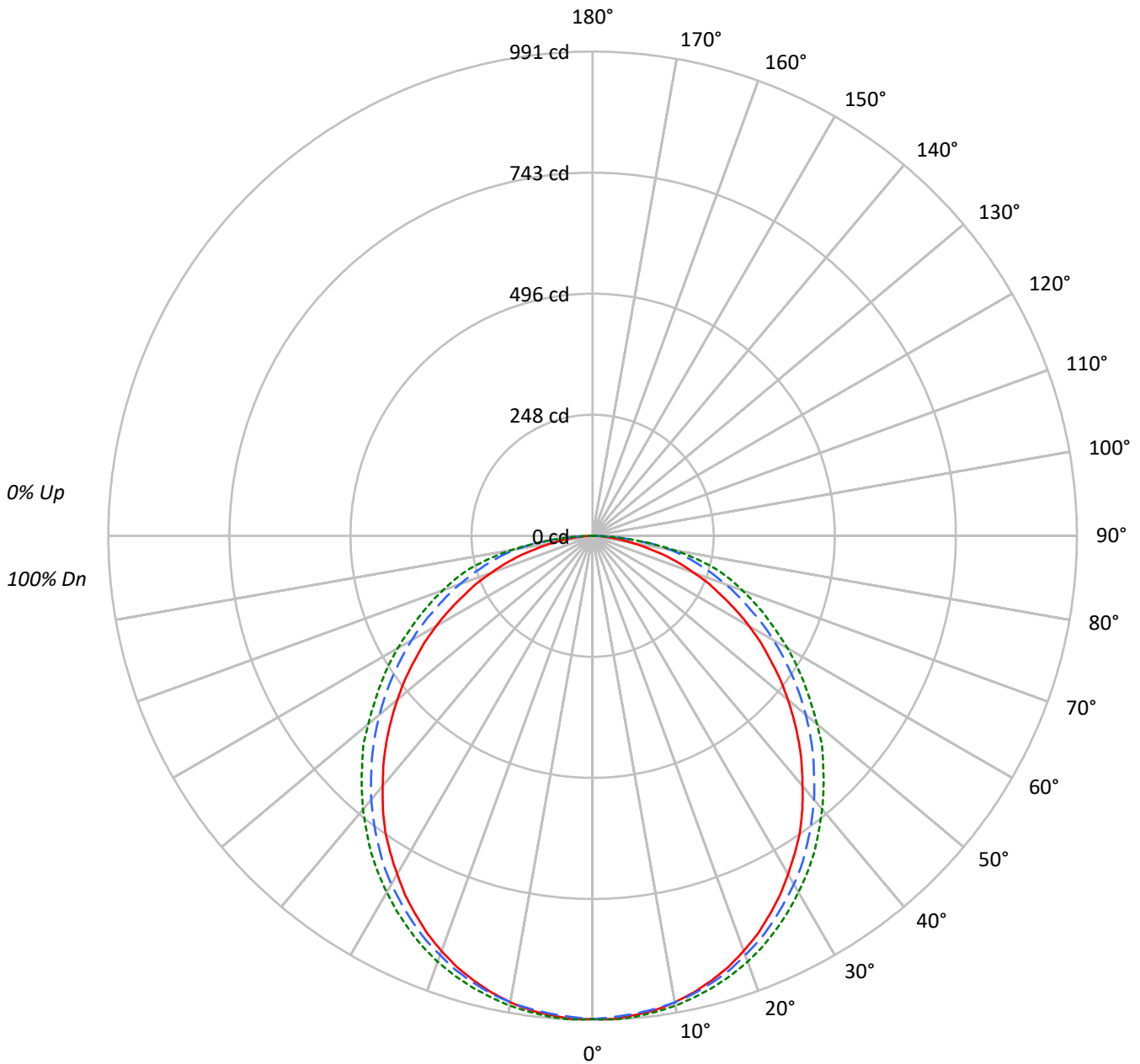
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2816.0 lumens  
Efficiency: N/A  
Efficacy: 122.4 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<sub>in</sub>): 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°	1396	1396	1396
5°	1395	1391	1400
10°	1390	1390	1400
15°	1376	1383	1397
20°	1358	1372	1393
25°	1333	1358	1385
30°	1303	1343	1373
35°	1274	1321	1362
40°	1231	1299	1346
45°	1191	1273	1332
50°	1145	1249	1316
55°	1094	1226	1303
60°	1043	1207	1300
65°	977	1186	1308
70°	904	1192	1344
75°	810	1215	1419
80°	654	1287	1388
85°	492	1129	1101



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.7	3.3
10°-20°	267.6	9.5
20°-30°	402.3	14.3
30°-40°	479.2	17.0
40°-50°	490.4	17.4
50°-60°	441.5	15.7
60°-70°	346.7	12.3
70°-80°	225.0	8.0
80°-90°	69.6	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°	763.5	27.1
0°-40°	1242.7	44.1
0°-60°	2174.6	77.2
0°-90°	2816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2816.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	989	989	989	989	989	
5°	985	987	982	988	988	94
15°	942	945	946	954	956	266
25°	856	863	872	886	889	394
35°	740	749	767	785	791	461
45°	597	611	638	662	667	460
55°	444	464	498	524	530	399
65°	292	315	355	385	392	291
75°	148	177	223	253	260	157
85°	30	56	70	68	68	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	989.3	989.3	989.3	989.3	989.3
2.5°	990.2	990.2	985.7	990.2	991.0
5°	984.8	986.6	982.1	987.5	988.4
7.5°	979.4	979.4	976.7	982.1	983.1
10°	969.6	970.5	969.6	975.9	976.7
12.5°	957.1	958.8	959.8	966.0	966.9
15°	941.9	944.6	946.3	954.4	956.2
17.5°	924.9	927.6	932.0	940.9	942.8
20°	904.3	907.9	913.2	924.9	927.6
22.5°	882.0	885.5	894.5	905.2	909.7
25°	856.0	863.1	872.1	886.4	889.1
27.5°	830.0	836.3	847.9	863.1	866.8
30°	799.7	809.5	823.8	839.0	842.5
32.5°	770.1	779.9	797.0	813.1	817.5
35°	739.7	748.7	766.6	785.3	790.7
37.5°	704.8	716.5	736.2	754.9	760.3
40°	668.2	682.5	704.8	724.5	730.8
42.5°	633.3	648.4	670.9	692.3	699.4
45°	596.6	610.9	637.8	661.9	667.3
47.5°	559.0	575.2	603.7	627.9	636.8
50°	521.5	538.5	568.9	593.9	599.3
52.5°	483.9	501.8	534.0	560.8	563.5
55°	444.5	464.3	498.2	524.2	529.6
57.5°	408.8	425.8	462.4	489.3	495.5
60°	369.4	388.2	427.5	452.6	460.6
62.5°	331.8	351.5	392.7	417.7	424.8
65°	292.5	314.9	355.1	384.6	391.7
67.5°	258.5	280.0	322.9	351.5	358.7
70°	219.1	243.3	288.9	318.5	325.6
72.5°	185.1	210.2	255.8	284.4	295.2
75°	148.5	177.1	222.8	253.2	260.3
77.5°	112.7	145.8	192.3	215.5	215.5
80°	80.5	115.4	158.3	169.1	170.8
82.5°	52.8	86.8	117.1	116.3	116.3
85°	30.4	56.4	69.7	68.0	68.0
87.5°	11.6	23.3	25.0	25.0	24.1
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)