

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: P732111

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732111  
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: 24CZ2-30HE-B2750-W2D-2700K  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

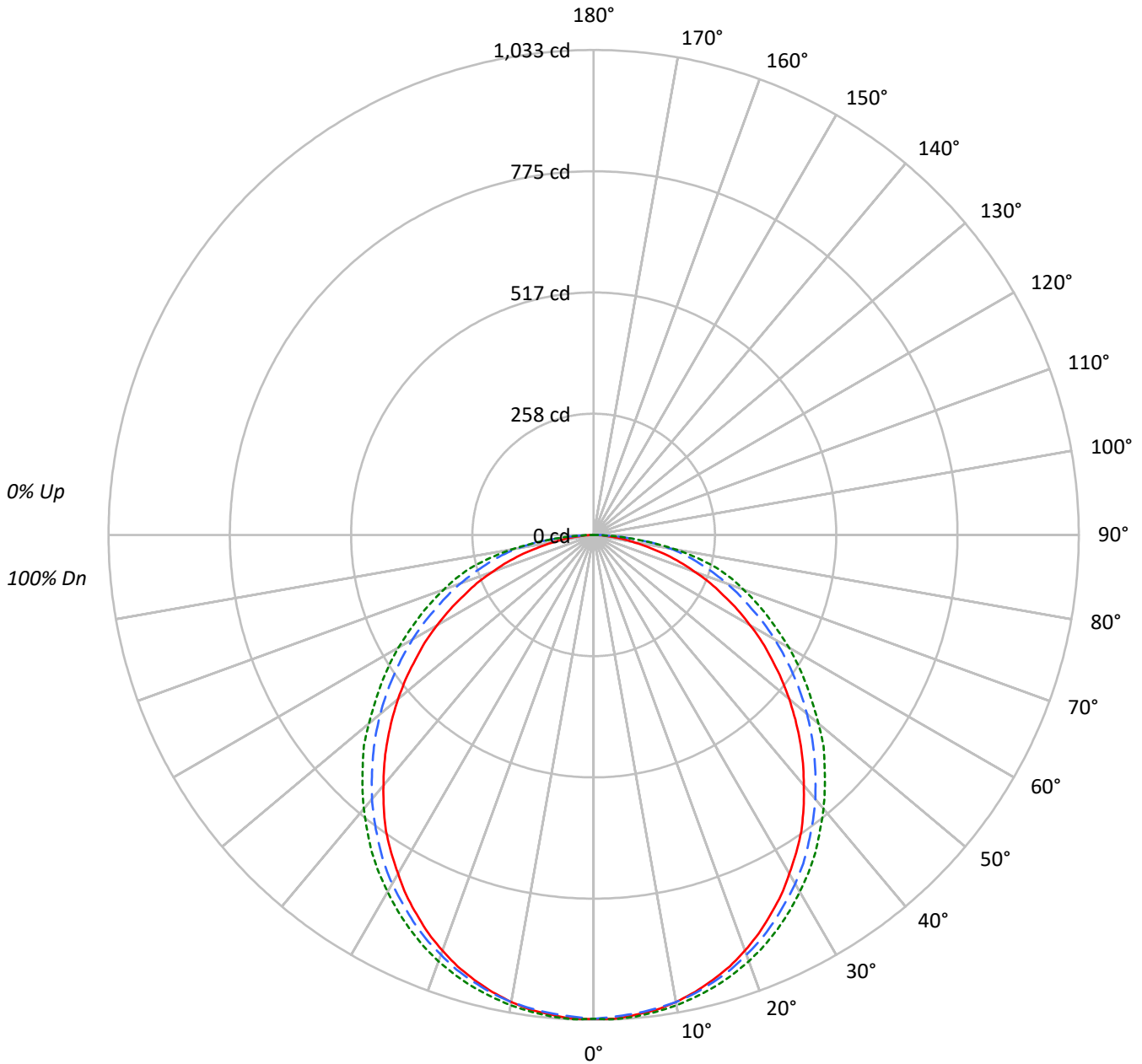
Lumens per Lamp: N/A  
Luminaire Lumens: 2934.0 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 22  
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									
RC	80									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°	1455	1455	1455
5°	1454	1450	1459
10°	1448	1448	1458
15°	1434	1441	1456
20°	1415	1429	1451
25°	1389	1415	1443
30°	1358	1399	1431
35°	1328	1376	1419
40°	1283	1353	1403
45°	1241	1326	1388
50°	1193	1302	1371
55°	1140	1277	1358
60°	1086	1257	1355
65°	1018	1236	1363
70°	942	1242	1400
75°	844	1266	1479
80°	682	1340	1447
85°	513	1176	1148



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.6	3.3
10°-20°	278.8	9.5
20°-30°	419.1	14.3
30°-40°	499.2	17.0
40°-50°	511.0	17.4
50°-60°	460.0	15.7
60°-70°	361.3	12.3
70°-80°	234.5	8.0
80°-90°	72.5	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°	795.5	27.1
0°-40°	1294.8	44.1
0°-60°	2265.8	77.2
0°-90°	2934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2934.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1031	1031	1031	1031	1031	
5°	1026	1028	1023	1029	1030	97
15°	981	984	986	994	996	277
25°	892	899	909	924	926	411
35°	771	780	799	818	824	481
45°	622	636	664	690	695	479
55°	463	484	519	546	552	415
65°	305	328	370	401	408	303
75°	155	184	232	264	271	164
85°	32	59	73	71	71	38
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	<i>1030.8</i>
2.5°	<i>1031.7</i>	<i>1031.7</i>	<i>1027.0</i>	<i>1031.7</i>	<i>1032.6</i>
5°	1026.1	1028.0	1023.3	1028.9	<i>1029.8</i>
7.5°	1020.5	1020.5	1017.6	1023.3	<i>1024.3</i>
10°	1010.2	1011.1	1010.2	1016.7	<i>1017.6</i>
12.5°	997.2	999.0	1000.0	1006.5	<i>1007.4</i>
15°	981.4	984.2	986.0	994.4	<i>996.3</i>
17.5°	963.6	966.4	971.0	980.4	<i>982.3</i>
20°	942.2	945.9	951.5	963.6	<i>966.4</i>
22.5°	918.9	922.7	932.0	943.1	<i>947.8</i>
25°	891.9	899.3	908.6	923.5	<i>926.4</i>
27.5°	864.8	871.3	883.5	899.3	<i>903.1</i>
30°	833.2	843.4	858.3	874.1	<i>877.8</i>
32.5°	802.4	812.6	830.4	847.2	<i>851.8</i>
35°	770.7	780.0	798.7	818.2	<i>823.8</i>
37.5°	734.3	746.5	767.0	786.6	<i>792.2</i>
40°	696.2	711.1	734.3	754.9	<i>761.4</i>
42.5°	659.8	675.6	699.0	721.3	<i>728.7</i>
45°	621.6	636.5	664.5	689.7	<i>695.3</i>
47.5°	582.4	599.3	629.0	654.2	<i>663.5</i>
50°	543.3	561.1	592.8	618.8	<i>624.4</i>
52.5°	504.2	522.8	556.4	584.3	<i>587.1</i>
55°	463.2	483.7	519.1	546.2	<i>551.8</i>
57.5°	425.9	443.6	481.8	509.8	<i>516.3</i>
60°	384.9	404.5	445.4	471.6	<i>479.9</i>
62.5°	345.7	366.3	409.2	435.2	<i>442.6</i>
65°	304.7	328.1	370.0	400.7	<i>408.2</i>
67.5°	269.4	291.7	336.4	366.3	<i>373.7</i>
70°	228.3	253.5	301.0	331.8	<i>339.2</i>
72.5°	192.9	219.0	266.6	296.3	<i>307.6</i>
75°	154.7	184.5	232.1	263.8	<i>271.2</i>
77.5°	117.5	151.9	200.3	224.6	<i>224.6</i>
80°	83.9	120.3	164.9	176.2	<i>178.0</i>
82.5°	55.0	90.4	122.1	121.2	<i>121.2</i>
85°	31.7	58.7	72.6	70.9	<i>70.9</i>
87.5°	12.1	24.3	26.1	26.1	<i>25.2</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)