

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: P731962

Luminaire Tested: **22CZ2-24HE-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P271965)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-24HE-B2750-W2D-3000K  
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

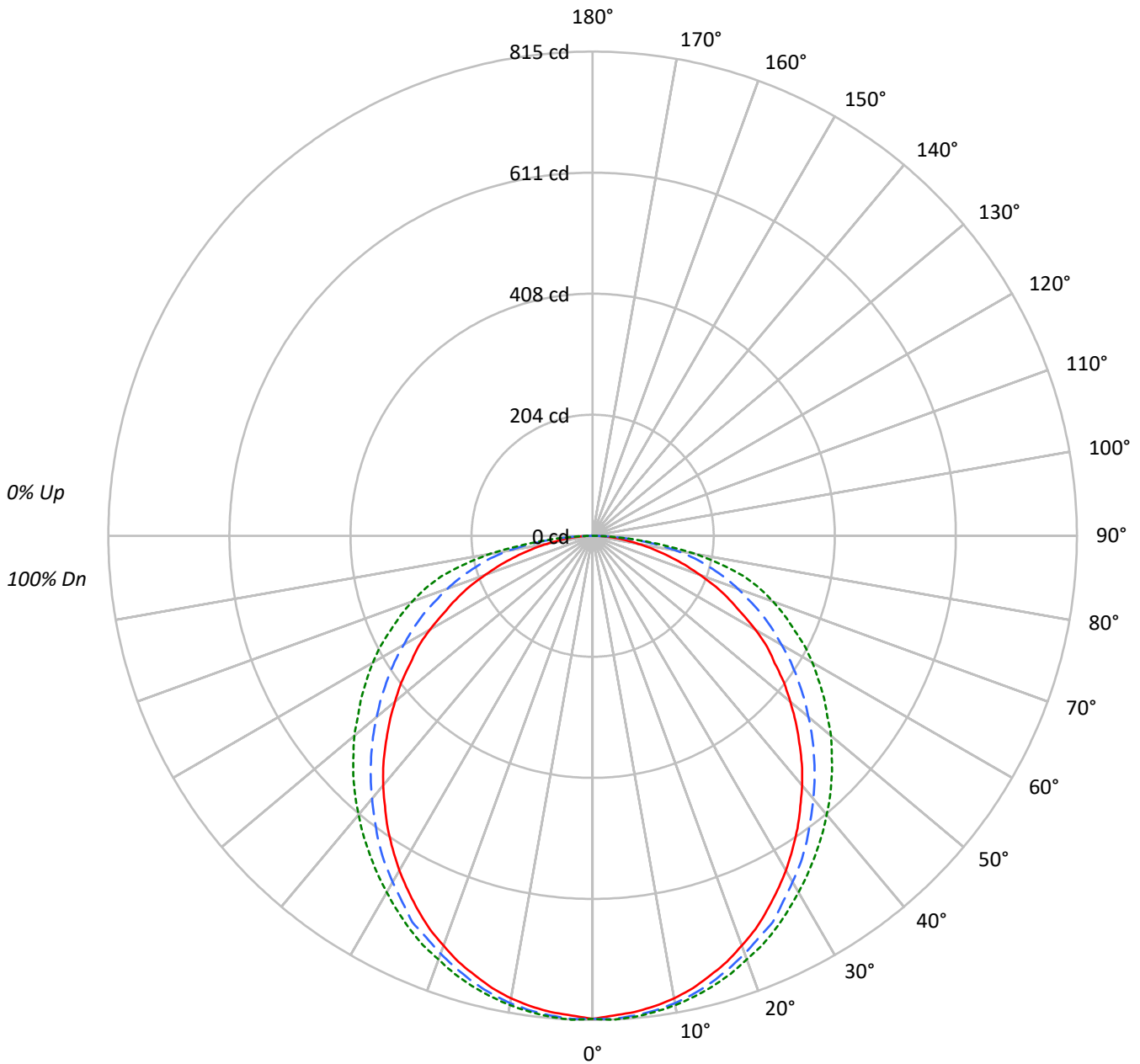
Lumens per Lamp: N/A  
Luminaire Lumens: 2391.0 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
Input Voltage (V): NR  
Input Current (Ain): 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	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82																			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68																			
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56																			
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48																			
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	44	41																			
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36																			
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32																			
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28																			
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25																			
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2307	2307	2307
5°	2292	2309	2316
10°	2278	2302	2312
15°	2250	2285	2305
20°	2217	2260	2291
25°	2177	2247	2284
30°	2132	2205	2271
35°	2082	2176	2266
40°	2031	2140	2270
45°	1974	2115	2285
50°	1916	2093	2311
55°	1851	2084	2351
60°	1796	2083	2423
65°	1706	2117	2512
70°	1591	2157	2675
75°	1458	2232	2890
80°	1270	2325	2845
85°	1113	2067	2263



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.9	3.2
10°-20°	219.0	9.2
20°-30°	328.8	13.7
30°-40°	392.8	16.4
40°-50°	408.5	17.1
50°-60°	378.6	15.8
60°-70°	310.5	13.0
70°-80°	209.9	8.8
80°-90°	66.0	2.8
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°	624.6	26.1
0°-40°	1017.5	42.6
0°-60°	1804.5	75.5
0°-90°	2391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2391.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	805	806	811	812	813	76
15°	766	769	778	782	785	216
25°	695	701	718	726	730	320
35°	601	609	628	647	654	376
45°	492	501	527	558	569	380
55°	374	386	421	459	475	336
65°	254	268	315	356	374	251
75°	133	155	204	245	264	141
85°	34	47	64	71	70	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	813.0	813.0	813.0	813.0	813.0
2.5°	808.3	810.6	814.1	815.4	815.4
5°	804.7	805.9	810.6	811.8	813.0
7.5°	798.8	801.2	805.9	807.2	808.3
10°	790.6	793.0	798.8	801.2	802.3
12.5°	780.1	782.3	789.4	793.0	794.1
15°	765.9	769.4	777.7	782.3	784.7
17.5°	751.9	755.3	763.6	770.6	773.0
20°	734.1	742.4	748.3	757.7	758.8
22.5°	716.6	721.2	731.7	741.2	745.9
25°	695.3	701.2	717.7	725.9	729.5
27.5°	673.0	681.3	694.2	707.1	711.7
30°	650.6	656.4	673.0	688.2	693.0
32.5°	626.0	634.2	651.8	667.1	674.2
35°	601.1	609.4	628.2	647.1	654.2
37.5°	574.2	583.6	602.4	624.7	634.2
40°	548.3	555.4	577.6	604.7	612.9
42.5°	521.2	529.4	552.9	582.4	591.8
45°	491.8	501.2	527.1	557.6	569.4
47.5°	463.5	473.0	501.2	531.8	545.9
50°	434.1	445.9	474.1	509.4	523.6
52.5°	405.9	416.5	448.3	484.7	497.6
55°	374.2	385.9	421.2	458.8	475.2
57.5°	348.2	356.4	395.3	434.1	450.6
60°	316.5	327.1	367.1	408.2	427.0
62.5°	282.4	300.0	341.1	383.5	402.4
65°	254.1	268.2	315.3	356.4	374.2
67.5°	224.7	240.0	285.8	329.5	349.5
70°	191.8	211.8	260.0	303.5	322.4
72.5°	162.3	183.6	232.9	275.3	295.3
75°	133.0	155.2	203.6	244.7	263.6
77.5°	104.8	129.4	176.5	208.3	220.0
80°	77.7	101.2	142.3	164.7	174.1
82.5°	54.2	74.2	104.8	116.5	118.8
85°	34.2	47.1	63.5	70.6	69.5
87.5°	15.3	18.9	23.5	25.9	24.7
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)