

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: P732121

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732121  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-30HE-RDP-B2750-W2D-2700K  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

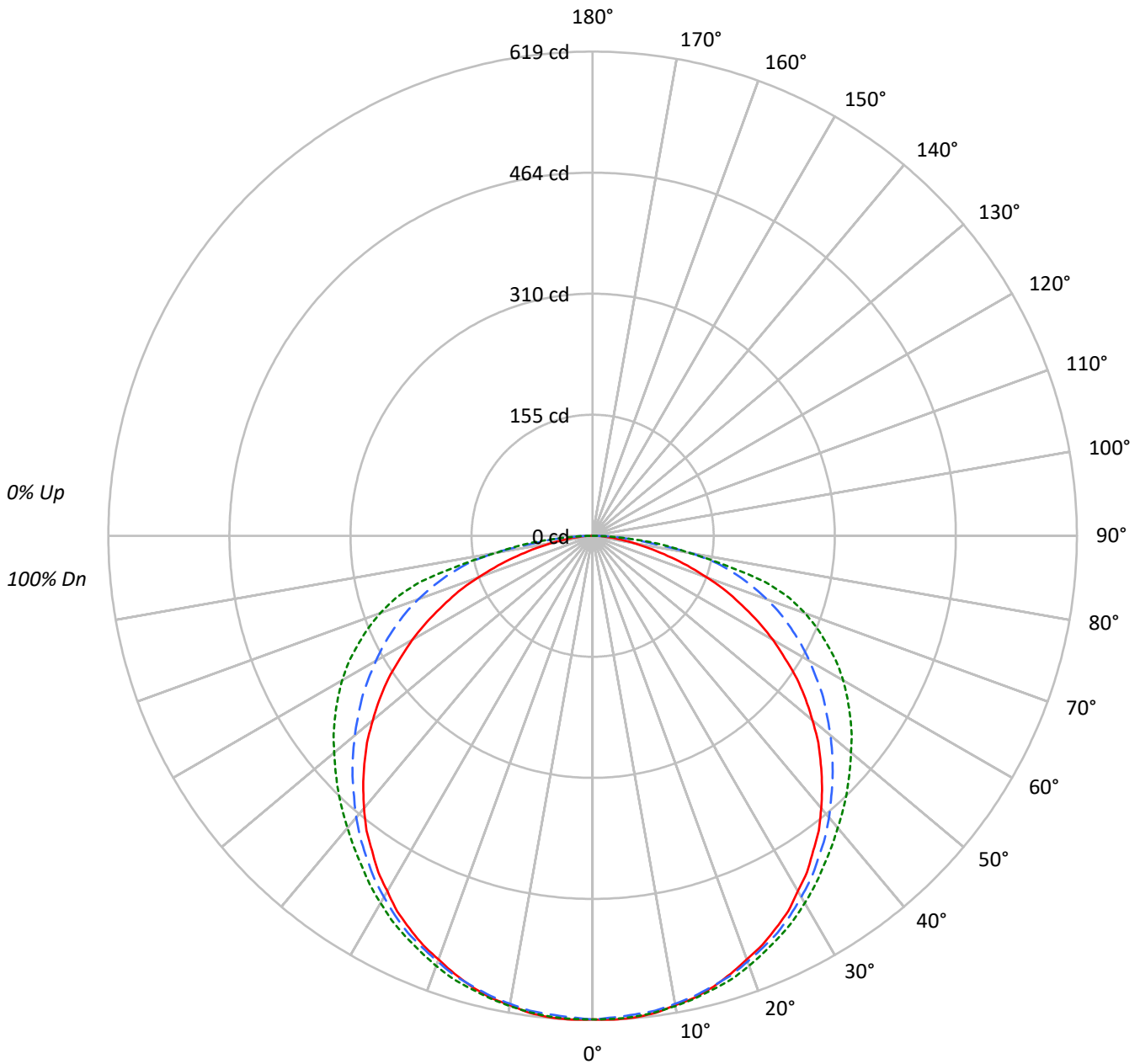
Lumens per Lamp: N/A  
Luminaire Lumens: 1966.0 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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					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	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82								
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67								
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56								
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47								
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35								
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27								
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24								
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22								

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

	0°	45°	90°
0°	873	873	873
5°	876	870	875
10°	873	871	875
15°	872	871	876
20°	866	870	879
25°	863	872	881
30°	855	869	884
35°	847	867	887
40°	837	866	898
45°	823	866	919
50°	805	871	947
55°	785	885	989
60°	751	903	1043
65°	703	934	1107
70°	640	978	1191
75°	543	1032	1244
80°	428	1038	1006
85°	316	790	884



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.6	3.0
10°-20°	168.8	8.6
20°-30°	258.1	13.1
30°-40°	315.5	16.0
40°-50°	336.3	17.1
50°-60°	321.5	16.4
60°-70°	272.4	13.9
70°-80°	183.1	9.3
80°-90°	51.6	2.6
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°	485.5	24.7
0°-40°	801.1	40.7
0°-60°	1458.9	74.2
0°-90°	1966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1966.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	618	618	618	618	618	
5°	618	617	614	617	617	59
15°	597	597	596	601	600	168
25°	554	556	560	565	566	255
35°	492	495	503	513	515	308
45°	412	419	434	452	460	318
55°	319	330	360	388	402	284
65°	211	232	280	317	332	209
75°	100	136	189	221	228	107
85°	20	40	49	53	55	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	618.3	618.3	618.3	618.3	618.3
2.5°	619.2	619.2	616.3	618.3	618.3
5°	618.3	617.3	614.4	617.3	617.3
7.5°	615.3	614.4	612.4	615.3	614.4
10°	609.4	609.4	607.6	610.5	610.5
12.5°	604.6	603.7	602.6	606.5	605.6
15°	596.9	596.9	595.8	600.7	599.7
17.5°	587.1	588.0	589.0	592.9	593.9
20°	576.3	578.3	579.2	585.1	585.1
22.5°	566.5	567.6	569.5	575.3	575.3
25°	553.9	555.8	559.7	564.6	565.6
27.5°	541.2	542.2	547.1	553.9	554.9
30°	524.7	527.6	533.4	541.2	542.2
32.5°	510.0	512.9	519.7	527.6	529.5
35°	491.5	495.4	503.1	512.9	514.9
37.5°	474.9	477.9	487.6	498.3	501.3
40°	454.5	460.2	470.0	482.7	487.6
42.5°	434.0	439.8	451.5	468.1	474.0
45°	412.5	419.3	434.0	452.5	460.2
47.5°	391.1	398.8	415.4	436.8	445.6
50°	366.6	376.4	396.8	421.3	431.1
52.5°	343.2	355.0	377.4	404.7	417.4
55°	318.9	330.5	359.8	388.1	401.8
57.5°	291.6	307.1	339.3	371.6	386.1
60°	266.2	280.8	319.8	355.0	369.6
62.5°	238.9	258.4	300.3	337.3	352.0
65°	210.6	232.1	279.8	316.9	331.6
67.5°	185.3	208.7	259.4	296.4	311.1
70°	155.1	184.3	236.9	274.0	288.7
72.5°	126.8	159.0	213.5	249.6	263.3
75°	99.5	135.6	189.2	221.4	228.2
77.5°	74.1	112.2	163.8	177.4	172.6
80°	52.7	89.7	127.7	120.9	123.8
82.5°	34.1	68.3	79.0	89.7	92.7
85°	19.5	40.0	48.8	52.7	54.6
87.5°	8.8	14.6	19.5	19.5	18.6
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)