

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: P732122

Luminaire Tested: **24CZ2-30HE-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732122  
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-3000K  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

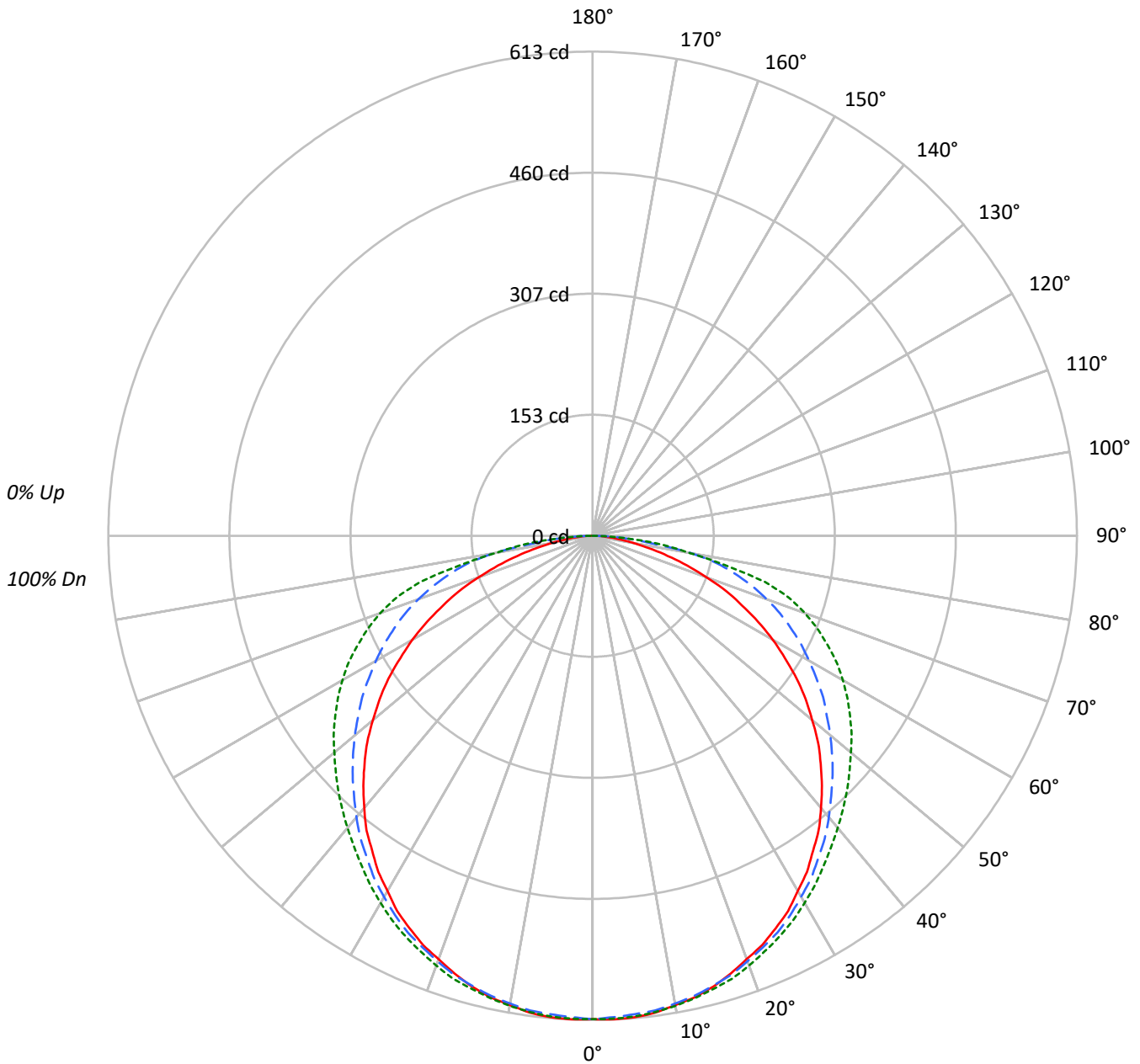
Lumens per Lamp: N/A  
Luminaire Lumens: 1946.0 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P732122

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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°	864	864	864
5°	867	862	866
10°	864	862	866
15°	863	862	867
20°	857	861	870
25°	854	863	872
30°	846	860	875
35°	838	858	878
40°	829	857	889
45°	815	857	909
50°	797	862	937
55°	777	876	979
60°	744	894	1033
65°	696	925	1096
70°	633	968	1179
75°	537	1021	1232
80°	423	1027	996
85°	313	782	874



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.1	3.0
10°-20°	167.1	8.6
20°-30°	255.5	13.1
30°-40°	312.3	16.0
40°-50°	332.9	17.1
50°-60°	318.3	16.4
60°-70°	269.6	13.9
70°-80°	181.2	9.3
80°-90°	51.1	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°	480.6	24.7
0°-40°	792.9	40.7
0°-60°	1444.1	74.2
0°-90°	1946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1946.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	612	612	612	612	612	
5°	612	611	608	611	611	58
15°	591	591	590	595	594	167
25°	548	550	554	559	560	253
35°	486	490	498	508	510	305
45°	408	415	430	448	456	315
55°	316	327	356	384	398	281
65°	208	230	277	314	328	207
75°	98	134	187	219	226	105
85°	19	40	48	52	54	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	612.0	612.0	612.0	612.0	612.0
2.5°	612.9	612.9	610.0	612.0	612.0
5°	612.0	611.0	608.1	611.0	611.0
7.5°	609.1	608.1	606.1	609.1	608.1
10°	603.2	603.2	601.4	604.3	604.3
12.5°	598.5	597.5	596.5	600.3	599.4
15°	590.8	590.8	589.7	594.6	593.6
17.5°	581.1	582.1	583.0	586.8	587.9
20°	570.4	572.4	573.3	579.1	579.1
22.5°	560.8	561.8	563.7	569.5	569.5
25°	548.3	550.2	554.0	558.9	559.8
27.5°	535.7	536.7	541.6	548.3	549.2
30°	519.3	522.2	527.9	535.7	536.7
32.5°	504.8	507.7	514.4	522.2	524.1
35°	486.5	490.3	498.0	507.7	509.7
37.5°	470.1	473.0	482.7	493.3	496.2
40°	449.8	455.5	465.2	477.8	482.7
42.5°	429.6	435.3	446.9	463.3	469.2
45°	408.3	415.0	429.6	447.9	455.5
47.5°	387.1	394.8	411.2	432.4	441.1
50°	362.9	372.6	392.8	417.0	426.7
52.5°	339.7	351.4	373.6	400.6	413.2
55°	315.6	327.2	356.1	384.2	397.7
57.5°	288.6	304.0	335.9	367.8	382.2
60°	263.5	277.9	316.6	351.4	365.8
62.5°	236.5	255.8	297.3	333.9	348.5
65°	208.5	229.7	277.0	313.7	328.2
67.5°	183.4	206.6	256.8	293.4	308.0
70°	153.5	182.4	234.5	271.2	285.7
72.5°	125.5	157.4	211.4	247.1	260.6
75°	98.5	134.2	187.3	219.2	225.9
77.5°	73.3	111.0	162.1	175.6	170.9
80°	52.1	88.8	126.4	119.6	122.6
82.5°	33.8	67.6	78.2	88.8	91.7
85°	19.3	39.6	48.3	52.1	54.0
87.5°	8.7	14.4	19.3	19.3	18.4
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)