

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: P732125

Luminaire Tested: **24CZ2-30HE-RDP-B2750-W2D-5000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732125  
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-5000K  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

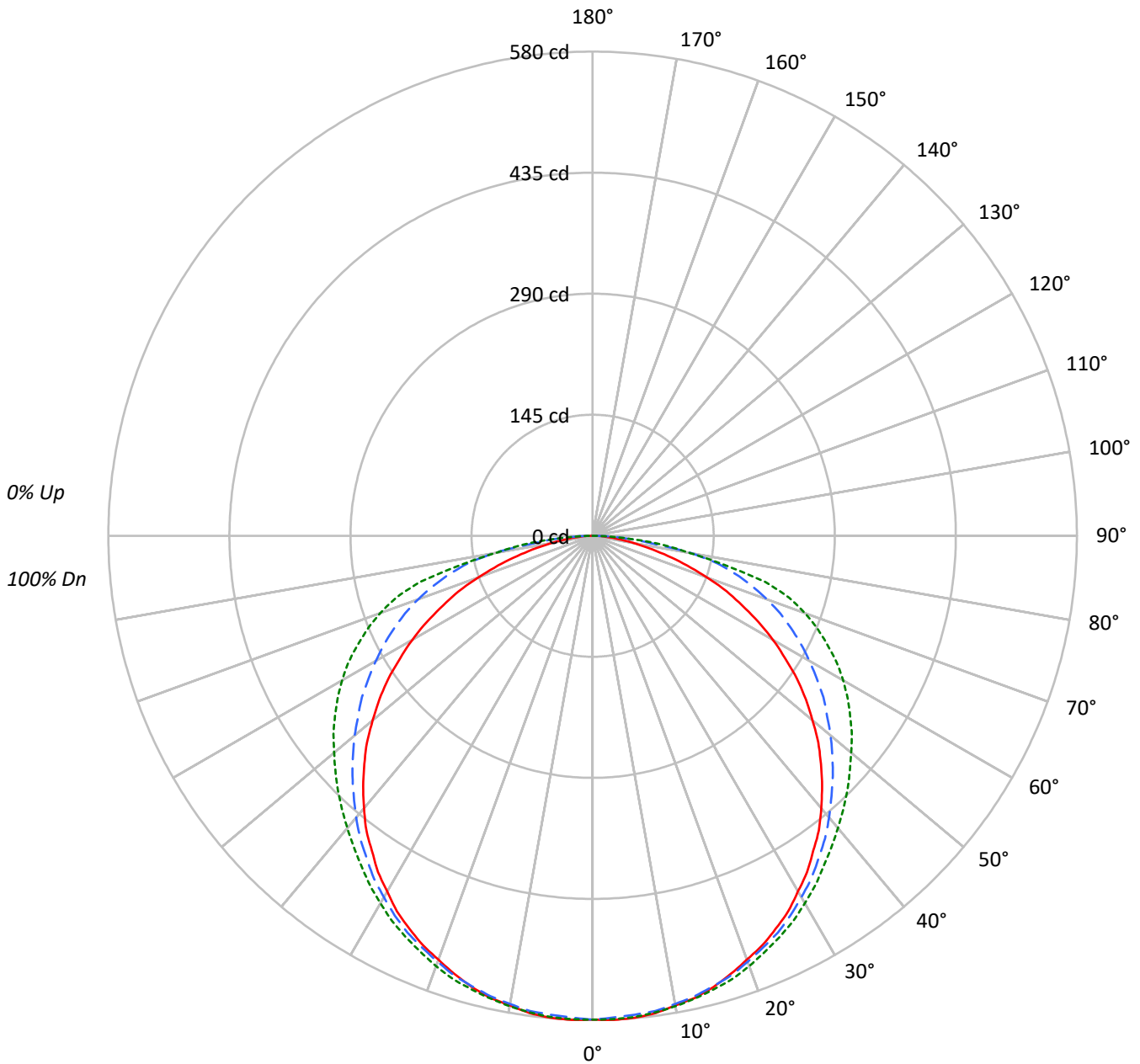
Lumens per Lamp: N/A  
Luminaire Lumens: 1843.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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									
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	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°	818	818	818
5°	821	816	820
10°	819	816	820
15°	818	816	821
20°	811	816	824
25°	809	817	826
30°	801	815	828
35°	794	813	832
40°	785	812	842
45°	772	812	861
50°	755	817	887
55°	735	830	927
60°	705	846	978
65°	659	876	1038
70°	600	916	1117
75°	509	967	1167
80°	402	973	944
85°	296	740	827



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.0	3.0
10°-20°	158.2	8.6
20°-30°	242.0	13.1
30°-40°	295.8	16.0
40°-50°	315.3	17.1
50°-60°	301.4	16.4
60°-70°	255.3	13.9
70°-80°	171.6	9.3
80°-90°	48.4	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°	455.2	24.7
0°-40°	751.0	40.7
0°-60°	1367.6	74.2
0°-90°	1843.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1843.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	580	580	580	580	580	
5°	580	579	576	579	579	55
15°	560	560	558	563	562	158
25°	519	521	525	529	530	239
35°	461	464	472	481	483	289
45°	387	393	407	424	431	298
55°	299	310	337	364	377	266
65°	197	218	262	297	311	196
75°	93	127	177	208	214	100
85°	18	38	46	49	51	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	579.6	579.6	579.6	579.6	579.6
2.5°	580.5	580.5	577.7	579.6	579.6
5°	579.6	578.7	575.9	578.7	578.7
7.5°	576.8	575.9	574.1	576.8	575.9
10°	571.3	571.3	569.5	572.3	572.3
12.5°	566.8	565.9	564.9	568.6	567.7
15°	559.5	559.5	558.5	563.2	562.2
17.5°	550.4	551.2	552.1	555.8	556.8
20°	540.2	542.1	543.0	548.5	548.5
22.5°	531.1	532.1	533.8	539.3	539.3
25°	519.3	521.0	524.7	529.3	530.2
27.5°	507.4	508.3	512.9	519.3	520.2
30°	491.8	494.6	500.0	507.4	508.3
32.5°	478.1	480.8	487.2	494.6	496.4
35°	460.8	464.4	471.7	480.8	482.7
37.5°	445.2	448.0	457.1	467.1	469.9
40°	426.0	431.4	440.6	452.5	457.1
42.5°	406.8	412.3	423.3	438.8	444.3
45°	386.7	393.1	406.8	424.2	431.4
47.5°	366.6	373.9	389.4	409.5	417.8
50°	343.7	352.8	372.0	394.9	404.1
52.5°	321.8	332.8	353.8	379.4	391.3
55°	298.9	309.8	337.3	363.9	376.6
57.5°	273.4	287.9	318.1	348.3	362.0
60°	249.6	263.2	299.8	332.8	346.4
62.5°	224.0	242.3	281.5	316.2	330.0
65°	197.4	217.6	262.3	297.1	310.8
67.5°	173.7	195.7	243.2	277.9	291.7
70°	145.4	172.7	222.1	256.8	270.6
72.5°	118.8	149.0	200.2	234.0	246.8
75°	93.3	127.1	177.4	207.6	214.0
77.5°	69.4	105.2	153.5	166.3	161.8
80°	49.4	84.1	119.7	113.3	116.1
82.5°	32.0	64.0	74.1	84.1	86.9
85°	18.3	37.5	45.7	49.4	51.1
87.5°	8.3	13.7	18.3	18.3	17.4
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)