

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: P731987

Luminaire Tested: **22CZ2-29HE-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731987  
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: 22CZ2-29HE-B2750-W2D-3000K  
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

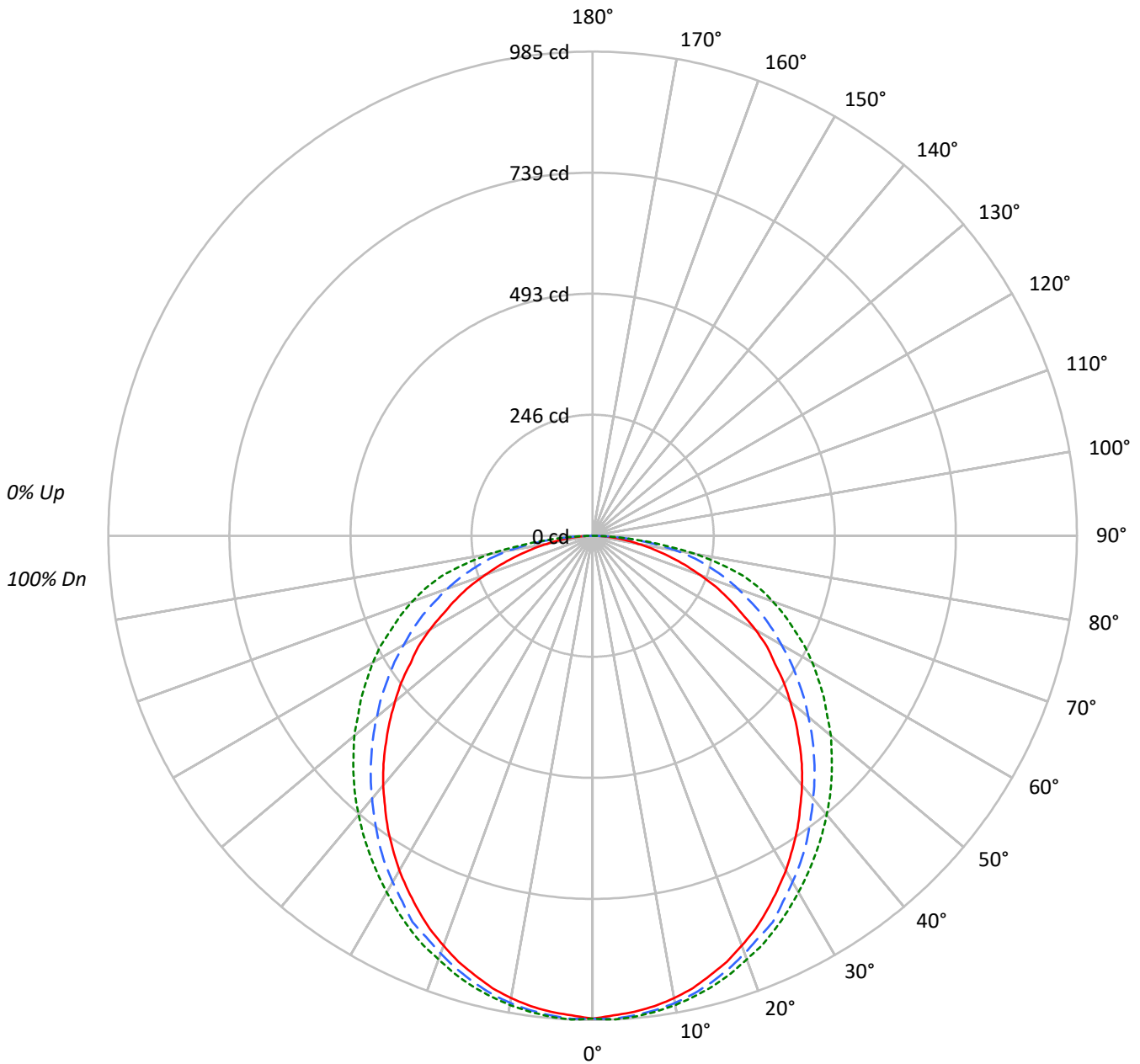
Lumens per Lamp: N/A  
Luminaire Lumens: 2889.0 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 25  
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	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	43	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°	2787	2787	2787
5°	2770	2790	2798
10°	2752	2781	2793
15°	2718	2760	2785
20°	2678	2730	2768
25°	2630	2715	2760
30°	2576	2664	2744
35°	2516	2630	2738
40°	2454	2585	2743
45°	2385	2556	2761
50°	2315	2529	2793
55°	2237	2518	2841
60°	2170	2517	2928
65°	2061	2558	3035
70°	1923	2607	3232
75°	1762	2697	3492
80°	1534	2811	3438
85°	1345	2497	2732



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.9	3.2
10°-20°	264.6	9.2
20°-30°	397.2	13.7
30°-40°	474.6	16.4
40°-50°	493.6	17.1
50°-60°	457.5	15.8
60°-70°	375.2	13.0
70°-80°	253.7	8.8
80°-90°	79.7	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°	754.7	26.1
0°-40°	1229.4	42.6
0°-60°	2180.4	75.5
0°-90°	2889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2889.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	972	974	979	981	982	92
15°	925	930	940	945	948	261
25°	840	847	867	877	881	387
35°	726	736	759	782	790	454
45°	594	606	637	674	688	459
55°	452	466	509	554	574	406
65°	307	324	381	431	452	304
75°	161	188	246	296	318	170
85°	41	57	77	85	84	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	982.3	982.3	982.3	982.3	982.3
2.5°	976.6	979.4	983.7	985.2	985.2
5°	972.4	973.7	979.4	980.9	982.3
7.5°	965.2	968.1	973.7	975.3	976.6
10°	955.2	958.1	965.2	968.1	969.4
12.5°	942.5	945.3	953.9	958.1	959.5
15°	925.4	929.7	939.6	945.3	948.2
17.5°	908.5	912.6	922.7	931.1	934.0
20°	887.0	897.0	904.2	915.5	916.8
22.5°	865.8	871.5	884.1	895.6	901.3
25°	840.1	847.3	867.2	877.1	881.4
27.5°	813.2	823.1	838.7	854.3	860.0
30°	786.1	793.2	813.2	831.5	837.4
32.5°	756.3	766.3	787.5	806.0	814.6
35°	726.4	736.3	759.1	781.9	790.4
37.5°	693.8	705.1	727.9	754.8	766.3
40°	662.5	671.0	697.9	730.6	740.6
42.5°	629.7	639.7	668.1	703.7	715.0
45°	594.3	605.6	636.9	673.8	688.0
47.5°	560.0	571.5	605.6	642.6	659.5
50°	524.5	538.8	572.9	615.5	632.6
52.5°	490.5	503.3	541.7	585.7	601.3
55°	452.1	466.3	509.0	554.4	574.2
57.5°	420.7	430.7	477.6	524.5	544.4
60°	382.4	395.2	443.5	493.2	516.0
62.5°	341.2	362.5	412.2	463.4	486.2
65°	307.0	324.1	381.0	430.7	452.1
67.5°	271.5	290.0	345.4	398.1	422.3
70°	231.8	255.9	314.2	366.8	389.6
72.5°	196.1	221.8	281.5	332.7	356.8
75°	160.7	187.6	246.0	295.7	318.5
77.5°	126.6	156.4	213.3	251.7	265.9
80°	93.9	122.3	172.0	199.1	210.4
82.5°	65.4	89.6	126.6	140.8	143.6
85°	41.3	56.9	76.7	85.3	83.9
87.5°	18.5	22.8	28.4	31.3	29.8
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)