

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: P731836

Luminaire Tested: **14CZ2-29-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275502)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-29-B2750-W2D-2700K
Description: 1X4 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

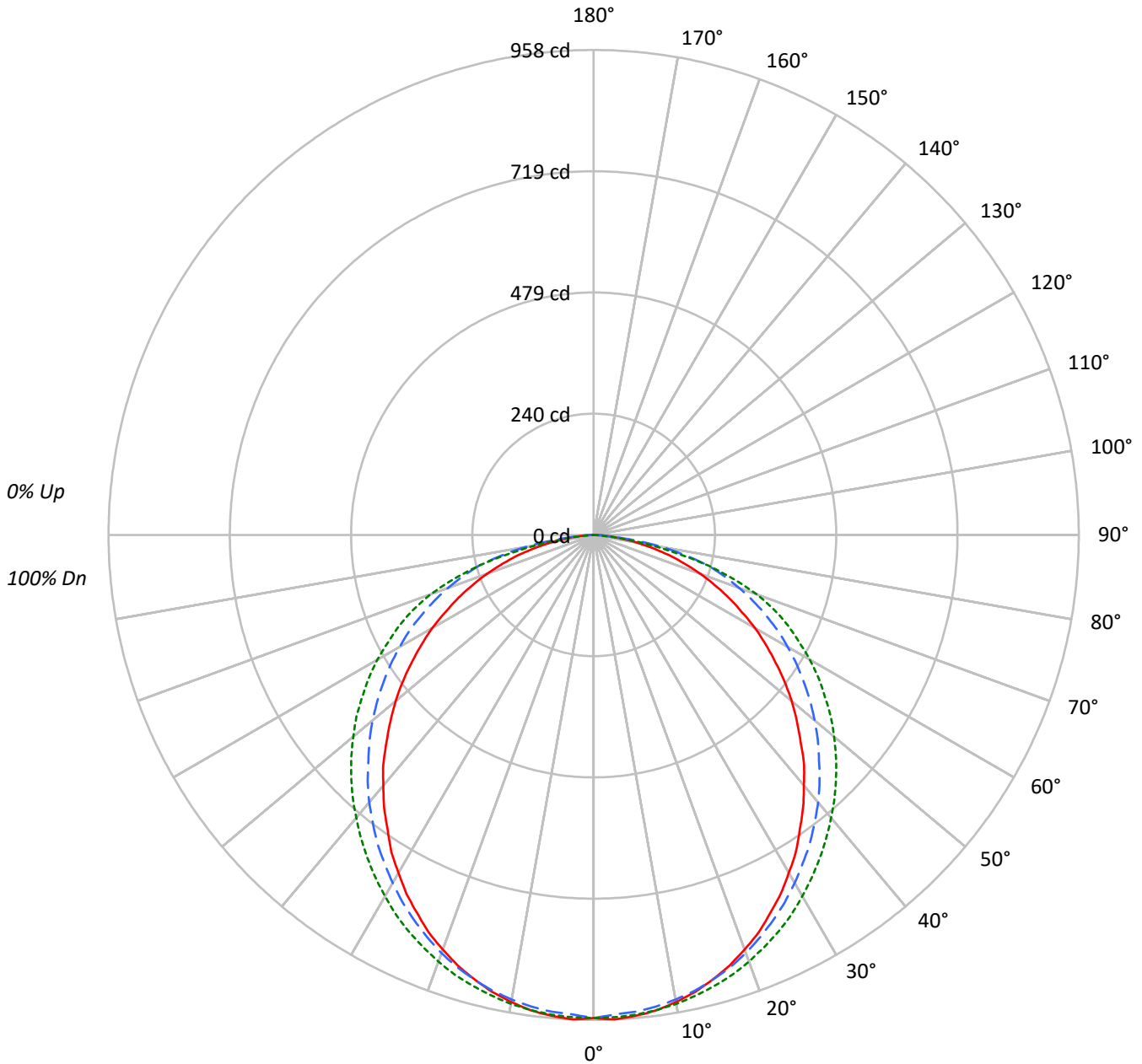
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2770.0 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): NR
Input Current (A_{in}): 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: P731836
CATALOG NUMBER: 14CZ2-29-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P731836

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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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2694	2694	2694
5°	2702	2679	2695
10°	2685	2671	2696
15°	2657	2658	2695
20°	2618	2640	2694
25°	2568	2614	2692
30°	2512	2587	2686
35°	2446	2565	2684
40°	2380	2540	2688
45°	2308	2512	2702
50°	2240	2501	2720
55°	2155	2493	2745
60°	2078	2497	2783
65°	1972	2504	2826
70°	1851	2523	2823
75°	1676	2547	2554
80°	1377	2198	1816
85°	1020	1040	418



TEST NUMBER: P731836

CATALOG NUMBER: 14CZ2-29-B2750-W2D-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	3.3
10°-20°	257.9	9.3
20°-30°	388.6	14.0
30°-40°	466.3	16.8
40°-50°	486.0	17.5
50°-60°	449.9	16.2
60°-70°	363.5	13.1
70°-80°	221.7	8.0
80°-90°	45.8	1.7
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°	736.8	26.6
0°-40°	1203.1	43.4
0°-60°	2139.1	77.2
0°-90°	2770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	954	951	946	952	951	91
15°	909	910	910	922	922	256
25°	824	830	839	860	864	380
35°	710	721	744	772	779	445
45°	578	596	629	664	677	447
55°	438	461	507	546	558	392
65°	295	324	375	412	423	292
75°	154	188	234	237	234	162
85°	32	47	32	18	13	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.3	954.3	954.3	954.3	954.3
2.5°	958.0	955.0	948.2	955.0	953.6
5°	953.6	951.2	945.6	952.4	951.2
7.5°	947.5	944.9	940.0	948.2	946.8
10°	936.9	935.8	932.0	941.4	940.7
12.5°	924.7	924.0	922.2	932.7	932.0
15°	909.2	909.7	909.7	922.2	922.2
17.5°	891.9	893.1	895.6	909.2	911.1
20°	871.5	874.0	879.0	894.4	896.8
22.5°	850.6	852.4	859.7	878.3	880.8
25°	824.5	829.5	839.3	860.4	864.2
27.5°	799.9	804.1	817.7	839.3	845.6
30°	770.8	777.6	793.8	817.2	824.0
32.5°	743.1	750.4	768.9	796.1	802.3
35°	709.8	720.8	744.3	771.5	778.8
37.5°	679.5	689.9	716.6	746.2	754.8
40°	646.0	659.1	689.4	720.8	729.5
42.5°	615.2	627.5	660.3	692.4	704.2
45°	578.2	595.5	629.3	664.5	676.9
47.5°	544.1	561.5	600.4	638.0	649.2
50°	510.1	528.7	569.5	608.4	619.5
52.5°	474.9	494.8	538.5	577.5	590.6
55°	437.9	460.8	506.6	546.0	557.7
57.5°	402.7	426.1	474.9	515.1	526.8
60°	368.1	392.3	442.3	480.5	493.0
62.5°	329.9	358.3	410.1	447.7	457.1
65°	295.2	324.3	374.9	412.5	423.1
67.5°	258.8	290.3	340.9	375.5	385.5
70°	224.3	256.9	305.7	337.9	342.1
72.5°	187.2	220.5	269.9	290.3	290.3
75°	153.7	187.7	233.5	237.2	234.2
77.5°	117.3	155.1	184.7	177.2	169.9
80°	84.7	121.8	135.2	121.8	111.7
82.5°	56.8	88.3	81.5	64.8	57.5
85°	31.5	46.9	32.1	17.9	12.9
87.5°	11.7	10.5	3.1	3.1	3.1
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)