

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: P880683

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

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474998)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-29VHE-RDP-B2750-W2D-3000K
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

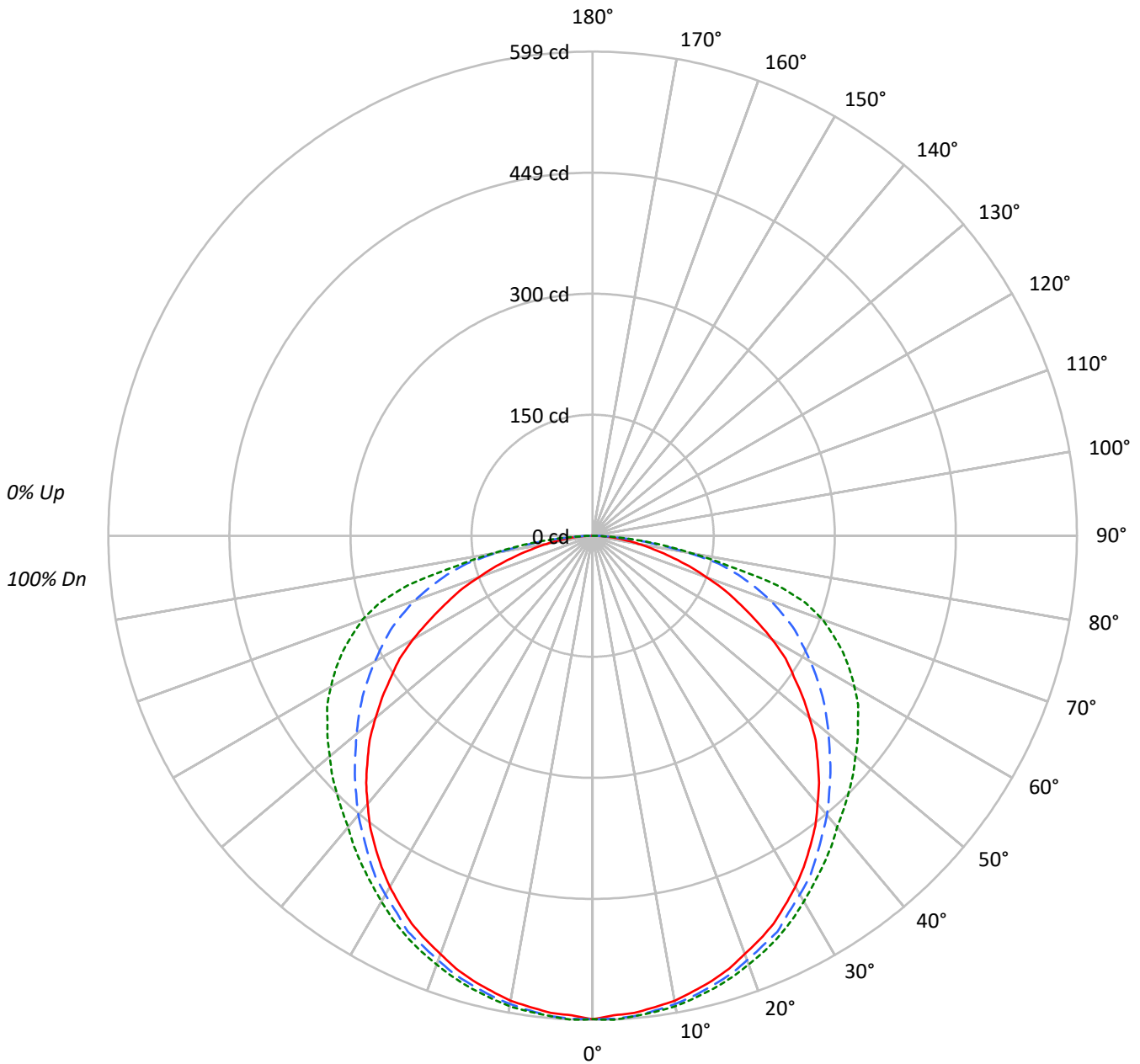
Lumens per Lamp: N/A
Luminaire Lumens: 1904.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): 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				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				100
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82				82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67				67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55				55
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47				47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35				35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31				31
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27				27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24				24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22				22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1697	1697	1697
5°	1687	1699	1699
10°	1683	1695	1703
15°	1675	1691	1703
20°	1662	1687	1704
25°	1658	1693	1710
30°	1643	1680	1712
35°	1625	1674	1723
40°	1604	1671	1743
45°	1579	1669	1798
50°	1546	1681	1873
55°	1503	1719	1981
60°	1455	1764	2122
65°	1354	1854	2295
70°	1243	1941	2510
75°	1091	2042	2595
80°	938	1945	2039
85°	820	1413	1550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	3.0
10°-20°	162.4	8.5
20°-30°	247.8	13.0
30°-40°	302.6	15.9
40°-50°	323.5	17.0
50°-60°	312.3	16.4
60°-70°	268.8	14.1
70°-80°	181.9	9.6
80°-90°	48.0	2.5
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°	466.8	24.5
0°-40°	769.4	40.4
0°-60°	1405.3	73.8
0°-90°	1904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	592	594	597	597	597	56
15°	570	571	576	578	580	161
25°	530	532	541	544	546	244
35°	469	473	483	493	497	294
45°	394	400	416	437	448	304
55°	304	314	347	382	400	272
65°	202	221	276	319	342	201
75°	100	132	186	224	237	107
85°	25	35	43	45	48	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	598.1	598.1	598.1	598.1	598.1
2.5°	593.9	595.2	598.1	598.1	599.4
5°	592.4	593.9	596.6	596.6	596.6
7.5°	588.2	589.7	592.4	593.9	593.9
10°	584.0	585.5	588.2	589.7	591.1
12.5°	577.1	578.4	582.6	585.5	585.5
15°	570.1	571.4	575.6	578.4	579.8
17.5°	561.5	564.4	568.6	571.4	572.8
20°	550.5	553.3	558.8	563.1	564.4
22.5°	540.6	543.5	549.1	553.3	556.0
25°	529.5	532.2	540.6	543.5	546.3
27.5°	515.4	518.3	525.3	530.8	535.0
30°	501.5	504.2	512.6	519.8	522.5
32.5°	486.0	490.2	500.0	505.7	509.7
35°	469.1	473.3	483.2	492.9	497.3
37.5°	452.4	456.7	466.4	479.0	484.7
40°	432.9	438.4	451.0	467.8	470.6
42.5°	414.6	421.5	432.9	452.4	459.4
45°	393.6	400.5	416.0	437.1	448.1
47.5°	374.0	380.9	397.8	423.0	437.1
50°	350.2	359.9	380.9	410.4	424.3
52.5°	327.7	336.1	364.2	396.3	413.3
55°	303.9	313.8	347.4	382.4	400.5
57.5°	283.0	291.3	329.1	368.5	389.3
60°	256.3	267.5	310.9	352.9	374.0
62.5°	228.2	245.2	292.7	336.1	358.4
65°	201.6	221.2	276.1	319.3	341.8
67.5°	177.8	198.9	255.0	301.1	322.2
70°	149.8	176.5	234.0	278.8	302.6
72.5°	124.8	154.1	210.2	255.0	276.1
75°	99.5	131.7	186.3	224.1	236.7
77.5°	77.0	107.9	159.6	170.9	172.3
80°	57.4	85.4	119.0	120.4	124.8
82.5°	39.3	60.2	77.0	84.0	85.4
85°	25.2	35.1	43.4	44.8	47.6
87.5°	11.3	12.6	15.4	14.1	14.1
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)