

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: P880682

Luminaire Tested: **22CZ2-29VHE-RDP-B2750-W2D-2700K**

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: P880682
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-2700K
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

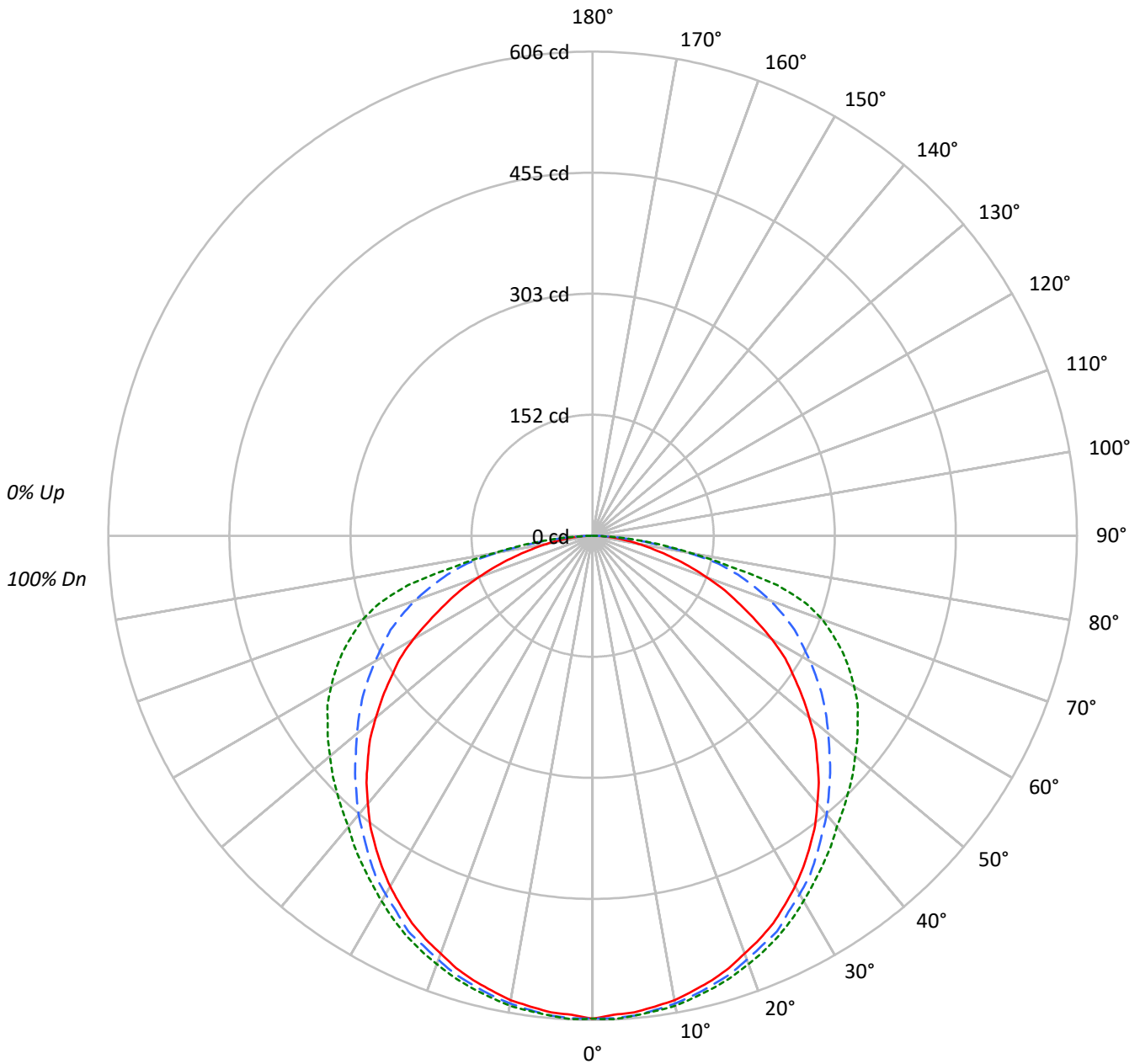
Lumens per Lamp: N/A
Luminaire Lumens: 1924.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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					
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	92	89	92	89	86	88	86	84	82								
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67								
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55								
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47								
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35								
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31								
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27								
9	55	41	32	27	53	40	32	27	39	32	26	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°	1715	1715	1715
5°	1705	1717	1717
10°	1701	1713	1721
15°	1692	1709	1721
20°	1680	1705	1722
25°	1675	1710	1728
30°	1660	1697	1730
35°	1642	1691	1741
40°	1620	1688	1761
45°	1596	1687	1817
50°	1562	1699	1893
55°	1519	1737	2002
60°	1470	1783	2145
65°	1368	1873	2319
70°	1256	1961	2537
75°	1103	2063	2622
80°	948	1964	2061
85°	830	1426	1566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	3.0
10°-20°	164.1	8.5
20°-30°	250.4	13.0
30°-40°	305.8	15.9
40°-50°	326.9	17.0
50°-60°	315.6	16.4
60°-70°	271.6	14.1
70°-80°	183.8	9.6
80°-90°	48.5	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°	471.7	24.5
0°-40°	777.5	40.4
0°-60°	1420.0	73.8
0°-90°	1924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	599	600	603	603	603	57
15°	576	577	582	584	586	163
25°	535	538	546	549	552	246
35°	474	478	488	498	502	297
45°	398	405	420	442	453	307
55°	307	317	351	386	405	275
65°	204	224	279	323	345	203
75°	101	133	188	226	239	108
85°	26	36	44	45	48	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	604.4	604.4	604.4	604.4	604.4
2.5°	600.1	601.4	604.4	604.4	605.7
5°	598.7	600.1	602.9	602.9	602.9
7.5°	594.4	595.9	598.7	600.1	600.1
10°	590.2	591.6	594.4	595.9	597.3
12.5°	583.1	584.4	588.7	591.6	591.6
15°	576.1	577.4	581.7	584.4	585.9
17.5°	567.4	570.4	574.6	577.4	578.9
20°	556.3	559.1	564.6	569.0	570.4
22.5°	546.3	549.3	554.8	559.1	561.9
25°	535.0	537.8	546.3	549.3	552.0
27.5°	520.8	523.7	530.8	536.4	540.6
30°	506.7	509.5	518.0	525.2	528.0
32.5°	491.1	495.3	505.3	511.0	515.1
35°	474.1	478.3	488.3	498.1	502.5
37.5°	457.2	461.5	471.3	484.0	489.7
40°	437.4	443.0	455.7	472.7	475.5
42.5°	418.9	426.0	437.4	457.2	464.2
45°	397.7	404.7	420.4	441.7	452.8
47.5°	377.9	384.9	401.9	427.4	441.7
50°	353.9	363.7	384.9	414.7	428.8
52.5°	331.1	339.6	368.1	400.5	417.6
55°	307.1	317.1	351.1	386.4	404.7
57.5°	286.0	294.3	332.6	372.3	393.4
60°	259.0	270.3	314.1	356.6	377.9
62.5°	230.6	247.7	295.8	339.6	362.2
65°	203.8	223.5	279.0	322.6	345.4
67.5°	179.7	201.0	257.7	304.3	325.6
70°	151.4	178.4	236.4	281.7	305.8
72.5°	126.1	155.7	212.4	257.7	279.0
75°	100.6	133.1	188.2	226.5	239.2
77.5°	77.8	109.1	161.2	172.7	174.1
80°	58.0	86.3	120.2	121.7	126.1
82.5°	39.7	60.8	77.8	84.9	86.3
85°	25.5	35.5	43.8	45.3	48.1
87.5°	11.4	12.8	15.5	14.2	14.2
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)