

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: P731846

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-29-RDP-B2750-W2D-2700K
Description: 1X4 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

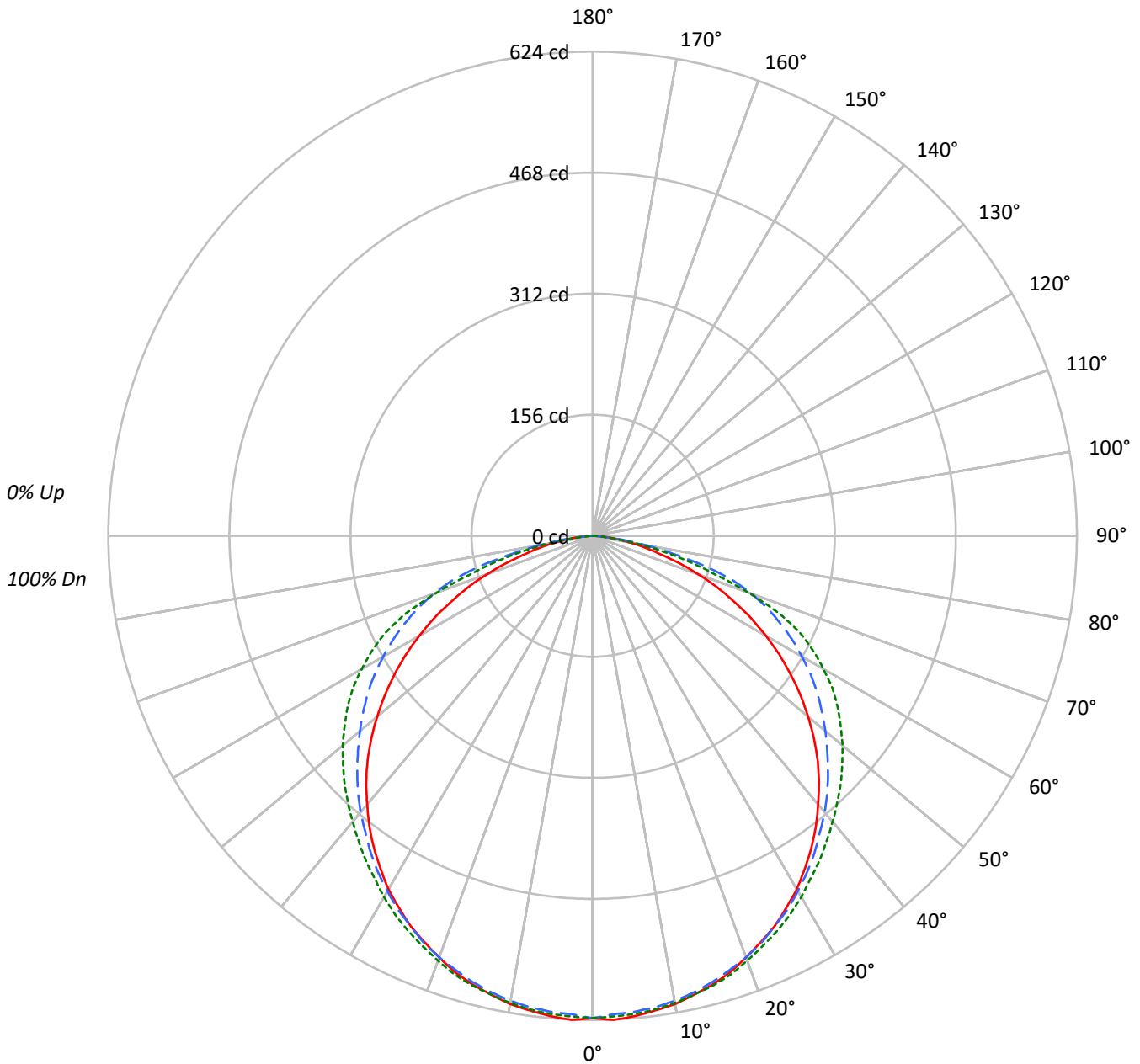
Lumens per Lamp: N/A
Luminaire Lumens: 1856.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): NR
Input Current (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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84				84
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37				37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32				32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29				29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26				26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1755	1755	1755
5°	1761	1745	1753
10°	1757	1745	1753
15°	1749	1740	1753
20°	1737	1737	1750
25°	1729	1729	1751
30°	1715	1724	1752
35°	1693	1718	1758
40°	1666	1714	1773
45°	1637	1712	1804
50°	1591	1718	1845
55°	1533	1740	1897
60°	1456	1759	1939
65°	1345	1781	1964
70°	1196	1794	1758
75°	964	1612	1406
80°	754	1131	918
85°	518	327	236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	3.2
10°-20°	168.8	9.1
20°-30°	257.0	13.8
30°-40°	313.1	16.9
40°-50°	332.1	17.9
50°-60°	313.5	16.9
60°-70°	253.1	13.6
70°-80°	137.3	7.4
80°-90°	22.2	1.2
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°	484.7	26.1
0°-40°	797.8	43.0
0°-60°	1443.4	77.8
0°-90°	1856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	622	620	616	620	619	59
15°	598	597	596	600	600	169
25°	555	554	555	561	562	256
35°	491	494	498	509	510	307
45°	410	416	429	445	452	316
55°	312	324	354	377	385	278
65°	201	226	267	288	294	200
75°	88	129	148	133	129	97
85°	16	17	10	9	7	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	621.6	621.6	621.6	621.6	621.6
2.5°	624.5	621.6	617.2	621.6	620.2
5°	621.6	620.2	615.8	620.2	618.8
7.5°	617.2	617.2	612.9	615.8	615.8
10°	612.9	611.5	608.7	612.9	611.5
12.5°	605.6	604.2	602.8	607.1	605.6
15°	598.4	596.9	595.5	600.0	600.0
17.5°	589.7	588.2	586.8	592.7	592.7
20°	578.1	578.1	578.1	584.0	582.6
22.5°	566.6	566.6	568.0	573.9	572.4
25°	555.0	553.6	555.0	560.7	562.1
27.5°	540.5	541.9	543.3	549.2	550.6
30°	526.1	527.5	528.9	536.2	537.6
32.5°	508.7	511.5	514.4	523.1	523.1
35°	491.3	494.1	498.5	508.7	510.1
37.5°	472.4	475.3	481.1	492.7	495.5
40°	452.0	456.5	465.2	476.7	481.1
42.5°	431.8	437.6	447.7	460.7	466.6
45°	410.1	415.8	428.9	444.9	452.0
47.5°	386.8	394.1	410.1	430.3	436.2
50°	362.3	372.4	391.3	412.9	420.2
52.5°	337.6	349.2	372.4	395.5	402.8
55°	311.5	324.5	353.6	376.7	385.4
57.5°	285.4	300.0	333.2	357.9	366.6
60°	257.9	275.3	311.5	336.2	343.5
62.5°	230.4	250.6	289.9	314.4	320.2
65°	201.4	226.1	266.6	288.4	294.1
67.5°	173.9	202.8	243.5	259.3	259.3
70°	144.9	176.7	217.4	221.7	213.0
72.5°	116.0	152.2	188.4	172.5	165.2
75°	88.4	128.9	147.8	133.4	128.9
77.5°	66.6	104.3	104.3	95.6	92.7
80°	46.4	79.7	69.6	60.9	56.5
82.5°	30.4	44.9	36.2	29.0	24.7
85°	16.0	17.4	10.1	8.7	7.3
87.5°	5.9	2.8	1.4	2.8	1.4
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)