

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: P880657

Luminaire Tested: **22CZ2-24VHE-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: P880657
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: 22CZ2-24VHE-RDP-B2750-W2D-2700K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

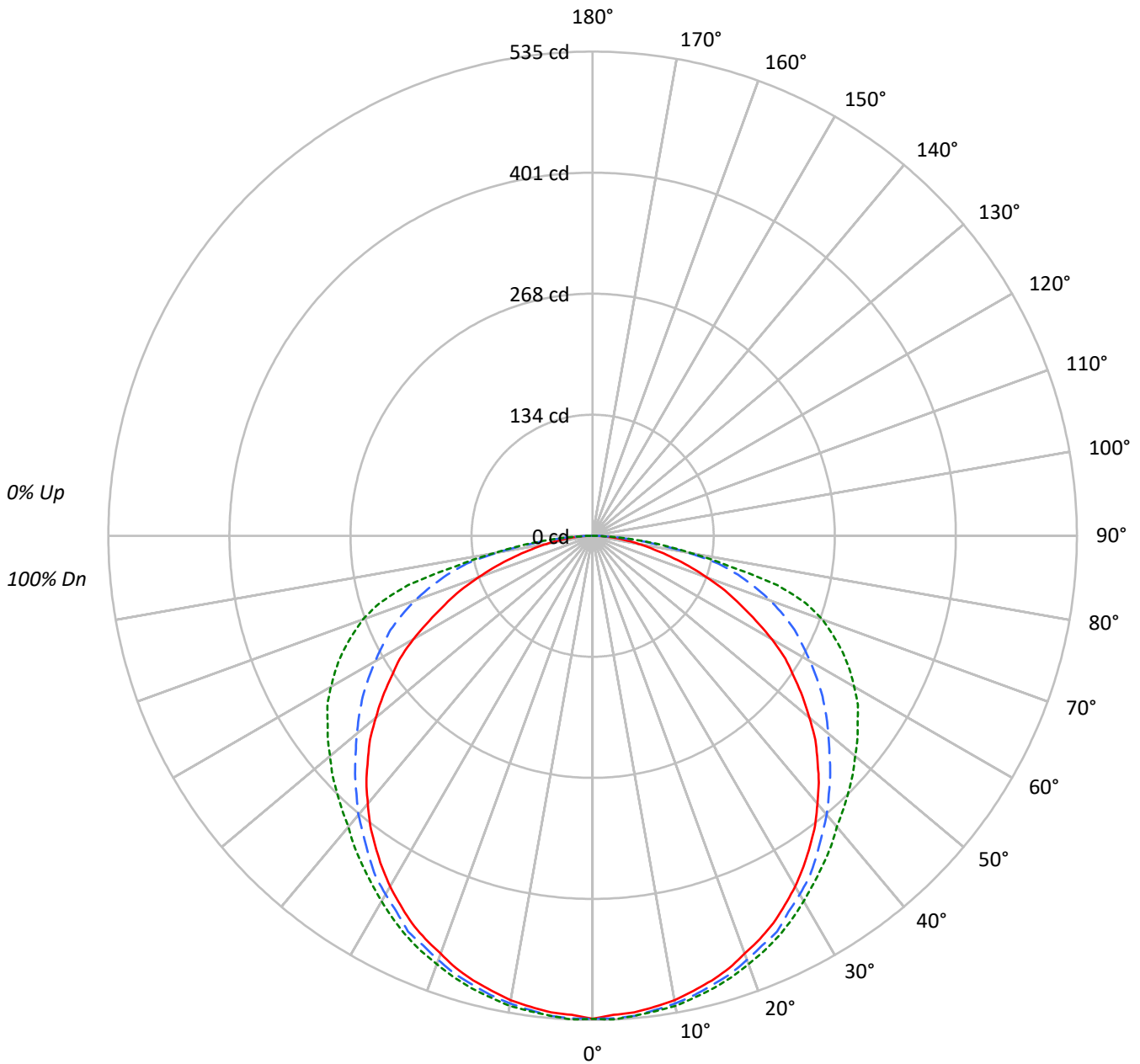
Lumens per Lamp: N/A
Luminaire Lumens: 1699.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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									
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	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°	1514	1514	1514
5°	1506	1516	1516
10°	1501	1512	1520
15°	1494	1509	1520
20°	1483	1506	1521
25°	1479	1510	1526
30°	1466	1499	1528
35°	1450	1494	1537
40°	1431	1491	1555
45°	1409	1490	1604
50°	1380	1500	1671
55°	1342	1534	1768
60°	1298	1574	1894
65°	1208	1654	2048
70°	1109	1732	2240
75°	974	1822	2317
80°	838	1734	1819
85°	733	1260	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	3.0
10°-20°	144.9	8.5
20°-30°	221.1	13.0
30°-40°	270.0	15.9
40°-50°	288.7	17.0
50°-60°	278.7	16.4
60°-70°	239.9	14.1
70°-80°	162.3	9.6
80°-90°	42.8	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°	416.6	24.5
0°-40°	686.6	40.4
0°-60°	1253.9	73.8
0°-90°	1699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1699.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	529	530	532	532	532	50
15°	509	510	514	516	517	144
25°	472	475	482	485	488	217
35°	419	422	431	440	444	262
45°	351	357	371	390	400	271
55°	271	280	310	341	357	243
65°	180	197	246	285	305	179
75°	89	118	166	200	211	95
85°	22	31	39	40	42	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	533.7	533.7	533.7	533.7	533.7
2.5°	529.9	531.1	533.7	533.7	534.9
5°	528.6	529.9	532.4	532.4	532.4
7.5°	524.9	526.2	528.6	529.9	529.9
10°	521.1	522.4	524.9	526.2	527.5
12.5°	514.9	516.1	519.8	522.4	522.4
15°	508.7	509.9	513.6	516.1	517.4
17.5°	501.1	503.7	507.4	509.9	511.2
20°	491.2	493.7	498.6	502.5	503.7
22.5°	482.4	485.0	489.9	493.7	496.2
25°	472.5	474.9	482.4	485.0	487.5
27.5°	459.9	462.5	468.7	473.6	477.4
30°	447.5	449.9	457.5	463.8	466.3
32.5°	433.6	437.4	446.2	451.2	454.9
35°	418.6	422.4	431.2	439.8	443.7
37.5°	403.7	407.5	416.2	427.4	432.5
40°	386.3	391.2	402.4	417.5	419.9
42.5°	369.9	376.2	386.3	403.7	409.9
45°	351.2	357.4	371.2	390.0	399.8
47.5°	333.7	339.9	354.9	377.5	390.0
50°	312.5	321.1	339.9	366.2	378.6
52.5°	292.4	299.9	325.0	353.6	368.8
55°	271.2	280.0	310.0	341.2	357.4
57.5°	252.5	259.9	293.7	328.8	347.4
60°	228.7	238.7	277.4	314.9	333.7
62.5°	203.6	218.8	261.2	299.9	319.9
65°	179.9	197.4	246.3	284.9	305.0
67.5°	158.7	177.5	227.6	268.7	287.5
70°	133.7	157.5	208.8	248.8	270.0
72.5°	111.3	137.5	187.6	227.6	246.3
75°	88.8	117.5	166.2	200.0	211.3
77.5°	68.7	96.3	142.4	152.5	153.8
80°	51.3	76.2	106.1	107.4	111.3
82.5°	35.1	53.7	68.7	74.9	76.2
85°	22.5	31.3	38.7	40.0	42.5
87.5°	10.1	11.3	13.7	12.6	12.6
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)