

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: P842909

Luminaire Tested: **22CZ2-24HE-RDP-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24HE-RDP-UNV-B40
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

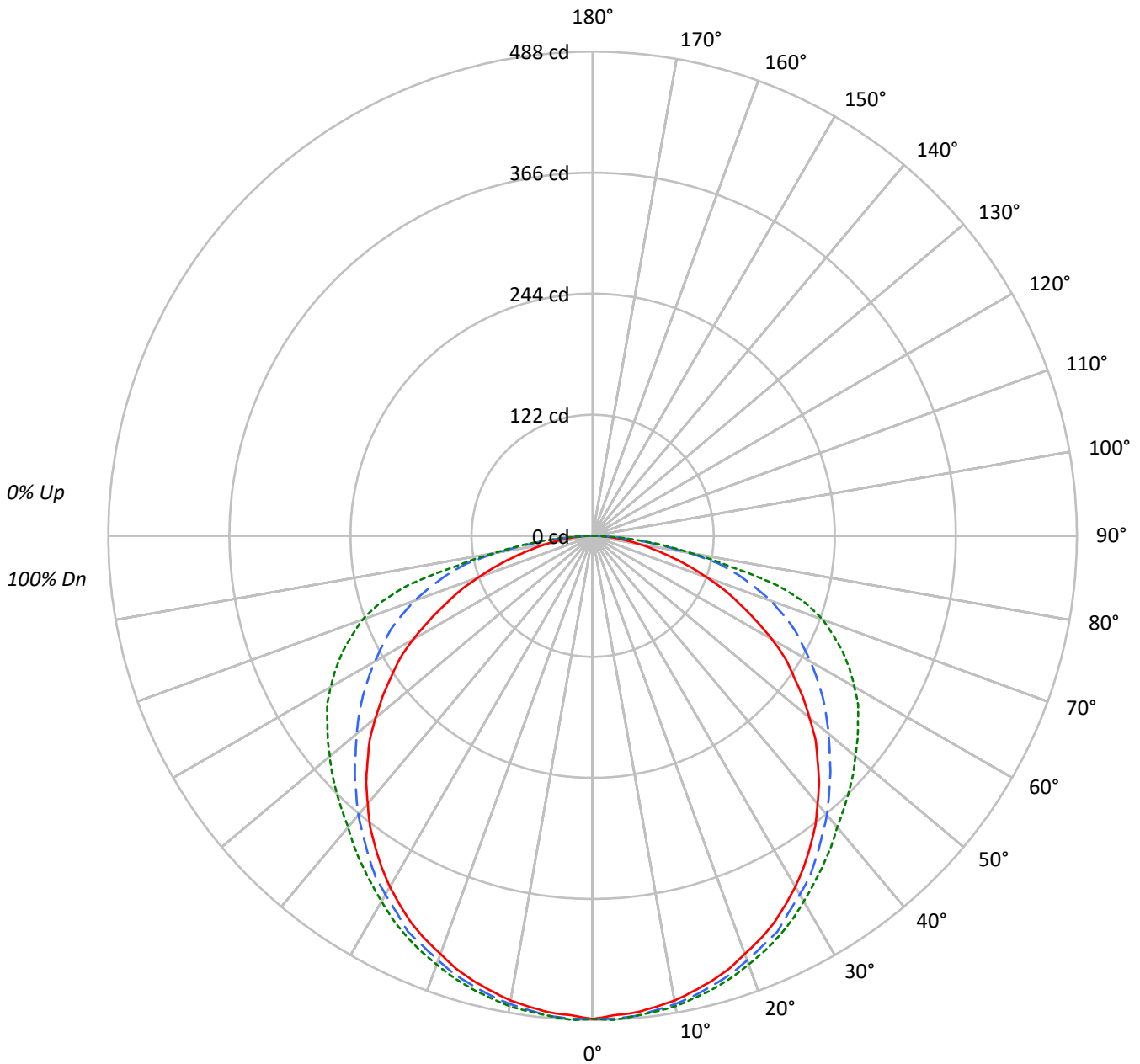
Lumens per Lamp: N/A
Luminaire Lumens: 1551.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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

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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°	1382	1382	1382
5°	1375	1384	1384
10°	1371	1381	1387
15°	1364	1378	1388
20°	1354	1375	1388
25°	1350	1379	1393
30°	1338	1368	1394
35°	1324	1364	1403
40°	1306	1361	1420
45°	1287	1360	1465
50°	1259	1370	1526
55°	1225	1400	1615
60°	1184	1437	1729
65°	1103	1509	1869
70°	1012	1581	2044
75°	889	1663	2114
80°	763	1585	1660
85°	667	1149	1263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	3.0
10°-20°	132.3	8.5
20°-30°	201.9	13.0
30°-40°	246.5	15.9
40°-50°	263.6	17.0
50°-60°	254.4	16.4
60°-70°	219.0	14.1
70°-80°	148.2	9.6
80°-90°	39.1	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°	380.3	24.5
0°-40°	626.8	40.4
0°-60°	1144.8	73.8
0°-90°	1551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	487	487	487	487	487	
5°	483	484	486	486	486	46
15°	464	466	469	471	472	131
25°	431	434	440	443	445	198
35°	382	386	394	402	405	239
45°	321	326	339	356	365	248
55°	248	256	283	312	326	222
65°	164	180	225	260	278	163
75°	81	107	152	183	193	87
85°	20	29	35	37	39	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	487.1	487.1	487.1	487.1	487.1
2.5°	483.8	484.9	487.1	487.1	488.4
5°	482.6	483.8	486.0	486.0	486.0
7.5°	479.2	480.4	482.6	483.8	483.8
10°	475.7	477.0	479.2	480.4	481.5
12.5°	470.1	471.2	474.6	477.0	477.0
15°	464.3	465.6	469.0	471.2	472.4
17.5°	457.6	459.8	463.2	465.6	466.7
20°	448.4	450.7	455.3	458.7	459.8
22.5°	440.4	442.8	447.3	450.7	452.9
25°	431.3	433.5	440.4	442.8	445.0
27.5°	419.9	422.1	427.9	432.4	435.9
30°	408.5	410.7	417.6	423.2	425.6
32.5°	395.9	399.3	407.3	411.8	415.3
35°	382.3	385.6	393.7	401.7	405.1
37.5°	368.5	372.0	380.0	390.3	394.8
40°	352.6	357.1	367.4	381.1	383.4
42.5°	337.8	343.4	352.6	368.5	374.2
45°	320.6	326.4	338.9	356.0	365.1
47.5°	304.7	310.3	324.0	344.6	356.0
50°	285.3	293.2	310.3	334.3	345.7
52.5°	267.0	273.9	296.7	322.9	336.5
55°	247.6	255.6	282.9	311.5	326.4
57.5°	230.4	237.3	268.1	300.1	317.2
60°	208.7	217.9	253.3	287.5	304.7
62.5°	185.9	199.7	238.4	273.9	292.1
65°	164.3	180.3	224.8	260.1	278.4
67.5°	144.8	162.0	207.6	245.3	262.5
70°	122.0	143.7	190.6	227.0	246.4
72.5°	101.6	125.5	171.1	207.6	224.8
75°	81.1	107.2	151.7	182.6	192.8
77.5°	62.8	87.8	130.1	139.2	140.3
80°	46.7	69.5	97.0	98.1	101.6
82.5°	31.9	49.1	62.8	68.4	69.5
85°	20.5	28.6	35.3	36.6	38.8
87.5°	9.1	10.3	12.5	11.4	11.4
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)