

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: P842908

Luminaire Tested: **22CZ2-24HE-RDP-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842908
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-B35
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

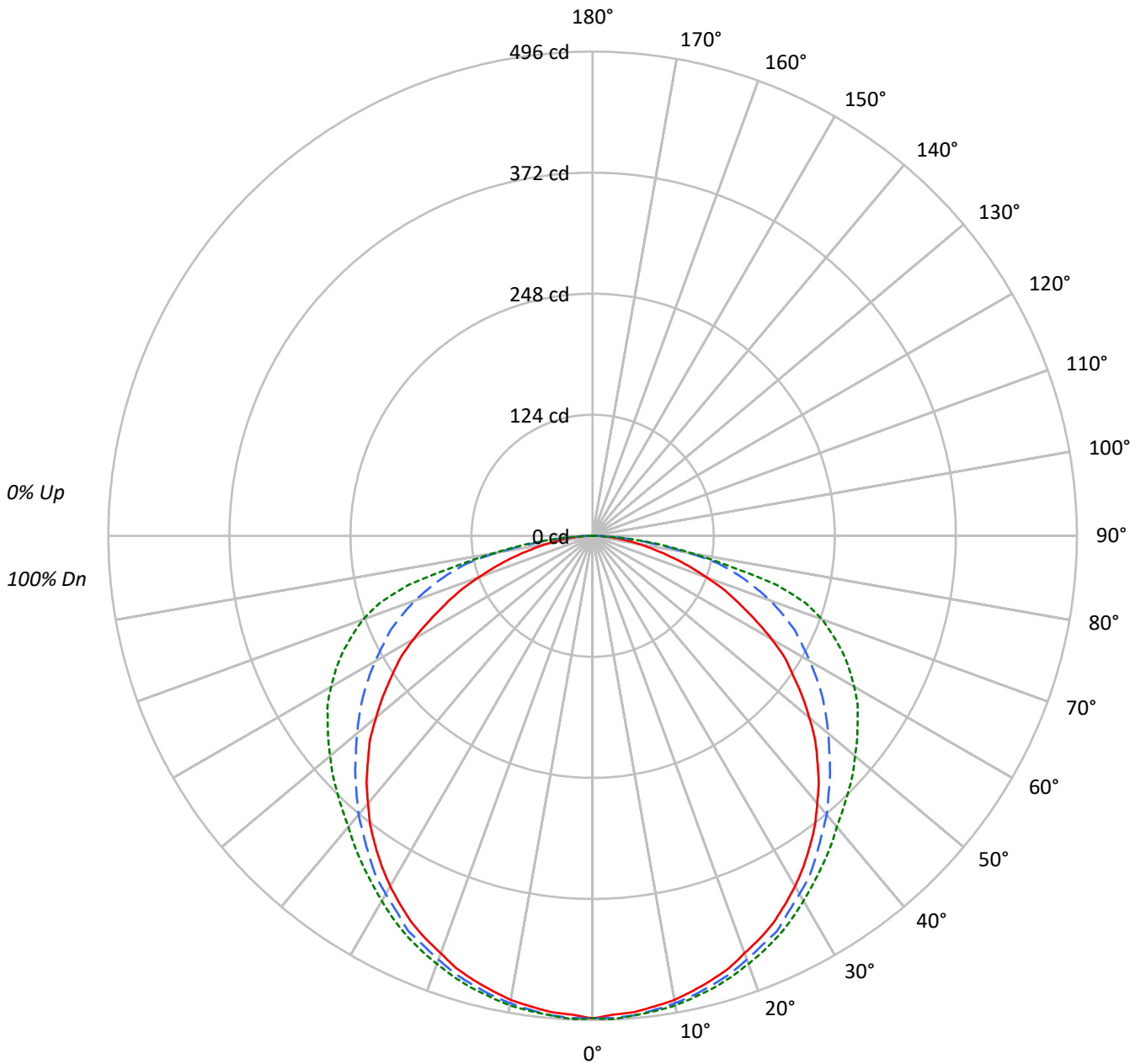
Lumens per Lamp: N/A
Luminaire Lumens: 1574.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	1403	1403	1403
5°	1395	1405	1405
10°	1391	1401	1408
15°	1384	1398	1408
20°	1374	1395	1409
25°	1370	1399	1414
30°	1358	1389	1415
35°	1344	1384	1424
40°	1325	1381	1441
45°	1305	1380	1487
50°	1278	1390	1549
55°	1243	1420	1638
60°	1202	1458	1755
65°	1120	1532	1897
70°	1027	1605	2074
75°	902	1688	2146
80°	775	1610	1685
85°	677	1166	1279



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	3.0
10°-20°	134.3	8.5
20°-30°	204.9	13.0
30°-40°	250.2	15.9
40°-50°	267.5	17.0
50°-60°	258.2	16.4
60°-70°	222.2	14.1
70°-80°	150.4	9.6
80°-90°	39.7	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°	385.9	24.5
0°-40°	636.1	40.4
0°-60°	1161.7	73.8
0°-90°	1574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	490	491	493	493	493	47
15°	471	472	476	478	479	133
25°	438	440	447	449	452	201
35°	388	391	400	408	411	243
45°	325	331	344	361	370	251
55°	251	259	287	316	331	225
65°	167	183	228	264	282	166
75°	82	109	154	185	196	88
85°	21	29	36	37	39	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	494.4	494.4	494.4	494.4	494.4
2.5°	491.0	492.1	494.4	494.4	495.6
5°	489.8	491.0	493.2	493.2	493.2
7.5°	486.3	487.5	489.8	491.0	491.0
10°	482.8	484.0	486.3	487.5	488.6
12.5°	477.1	478.2	481.7	484.0	484.0
15°	471.2	472.5	476.0	478.2	479.4
17.5°	464.4	466.6	470.1	472.5	473.6
20°	455.0	457.4	462.0	465.5	466.6
22.5°	446.9	449.3	453.9	457.4	459.6
25°	437.7	440.0	446.9	449.3	451.6
27.5°	426.2	428.4	434.3	438.9	442.3
30°	414.6	416.8	423.8	429.5	431.9
32.5°	401.8	405.3	413.3	417.9	421.4
35°	388.0	391.3	399.5	407.6	411.1
37.5°	374.0	377.5	385.6	396.0	400.6
40°	357.8	362.4	372.9	386.7	389.1
42.5°	342.8	348.5	357.8	374.0	379.7
45°	325.3	331.2	343.9	361.3	370.5
47.5°	309.2	314.9	328.8	349.7	361.3
50°	289.5	297.6	314.9	339.3	350.9
52.5°	271.0	277.9	301.1	327.7	341.5
55°	251.3	259.4	287.1	316.1	331.2
57.5°	233.9	240.8	272.1	304.6	321.9
60°	211.8	221.2	257.0	291.7	309.2
62.5°	188.7	202.6	242.0	277.9	296.5
65°	166.8	183.0	228.1	264.0	282.5
67.5°	147.0	164.4	210.7	248.9	266.4
70°	123.8	145.9	193.4	230.4	250.0
72.5°	103.1	127.3	173.6	210.7	228.1
75°	82.3	108.8	154.0	185.3	195.7
77.5°	63.7	89.1	132.1	141.3	142.4
80°	47.4	70.6	98.5	99.6	103.1
82.5°	32.4	49.8	63.7	69.4	70.6
85°	20.8	29.0	35.8	37.1	39.3
87.5°	9.2	10.5	12.7	11.6	11.6
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)