

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: P731972

Luminaire Tested: **22CZ2-24HE-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731972
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-B2750-W2D-3000K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

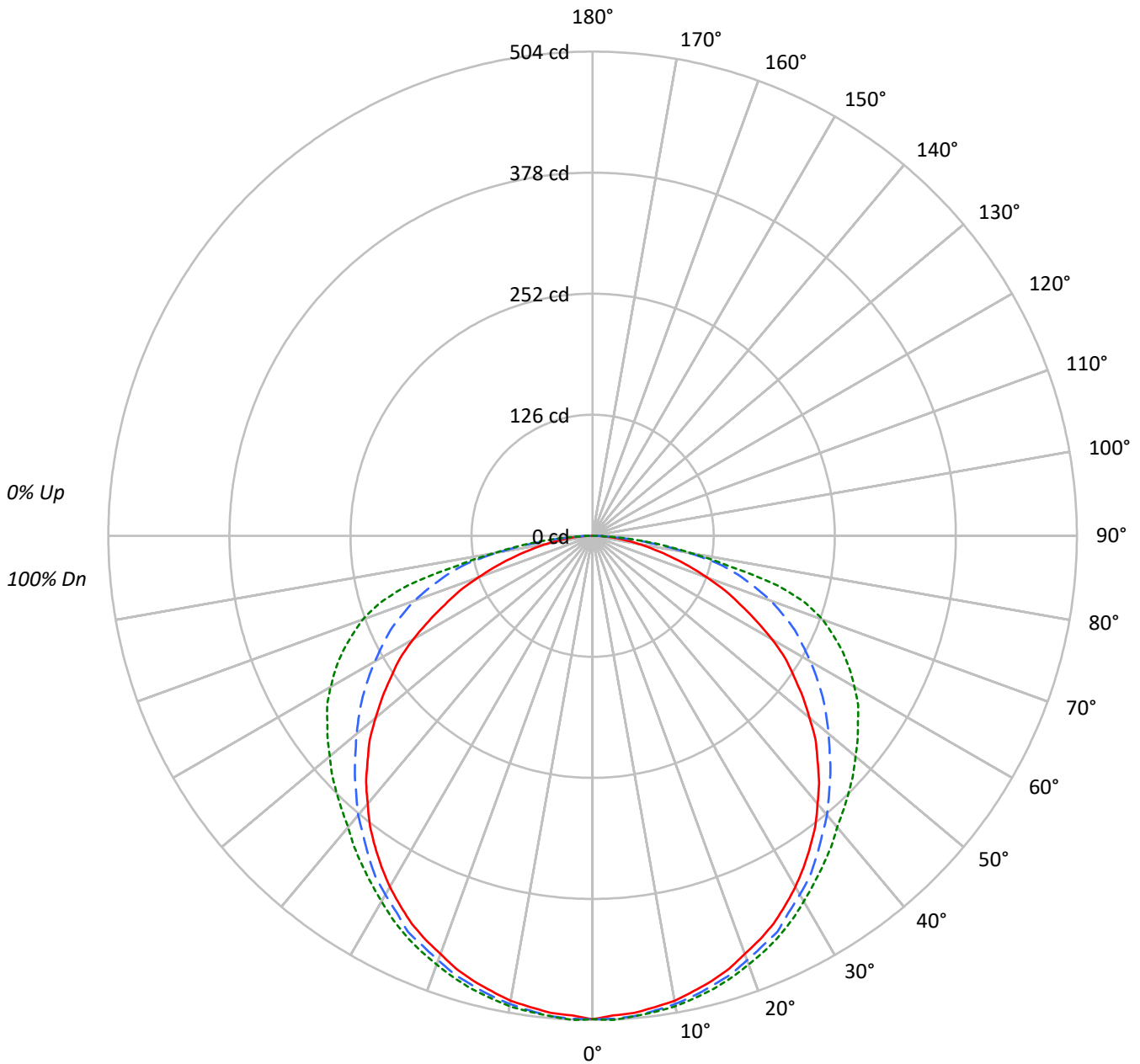
Lumens per Lamp: N/A
Luminaire Lumens: 1602.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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				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	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82				82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67				67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55				55
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47				47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35				35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31				31
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27				27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24				24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22				22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1428	1428	1428
5°	1420	1430	1430
10°	1416	1426	1433
15°	1409	1423	1434
20°	1398	1420	1434
25°	1395	1424	1439
30°	1383	1413	1440
35°	1368	1408	1449
40°	1349	1406	1467
45°	1329	1405	1513
50°	1301	1415	1576
55°	1265	1446	1668
60°	1224	1485	1786
65°	1140	1559	1931
70°	1045	1634	2111
75°	918	1718	2183
80°	789	1637	1714
85°	687	1188	1302



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	3.0
10°-20°	136.7	8.5
20°-30°	208.5	13.0
30°-40°	254.6	15.9
40°-50°	272.2	17.0
50°-60°	262.8	16.4
60°-70°	226.2	14.1
70°-80°	153.0	9.6
80°-90°	40.4	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°	392.8	24.5
0°-40°	647.4	40.4
0°-60°	1182.4	73.8
0°-90°	1602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1602.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	503	503	503	503	503	
5°	498	500	502	502	502	47
15°	480	481	484	487	488	135
25°	446	448	455	457	460	205
35°	395	398	407	415	418	247
45°	331	337	350	368	377	256
55°	256	264	292	322	337	229
65°	170	186	232	269	288	169
75°	84	111	157	189	199	90
85°	21	30	36	38	40	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	503.2	503.2	503.2	503.2	503.2
2.5°	499.8	500.9	503.2	503.2	504.4
5°	498.5	499.8	502.0	502.0	502.0
7.5°	494.9	496.2	498.5	499.8	499.8
10°	491.4	492.7	494.9	496.2	497.3
12.5°	485.6	486.7	490.2	492.7	492.7
15°	479.6	480.9	484.4	486.7	488.0
17.5°	472.6	474.9	478.5	480.9	482.0
20°	463.1	465.5	470.2	473.8	474.9
22.5°	454.9	457.3	462.0	465.5	467.8
25°	445.5	447.8	454.9	457.3	459.6
27.5°	433.8	436.0	442.0	446.7	450.2
30°	422.0	424.2	431.3	437.2	439.6
32.5°	408.9	412.5	420.7	425.4	428.9
35°	394.9	398.3	406.6	414.9	418.4
37.5°	380.7	384.2	392.4	403.1	407.8
40°	364.2	368.9	379.5	393.6	396.0
42.5°	348.9	354.7	364.2	380.7	386.5
45°	331.1	337.1	350.0	367.8	377.1
47.5°	314.7	320.5	334.7	356.0	367.8
50°	294.7	302.9	320.5	345.3	357.1
52.5°	275.8	282.9	306.4	333.5	347.6
55°	255.8	264.0	292.2	321.8	337.1
57.5°	238.0	245.1	276.9	310.0	327.6
60°	215.6	225.1	261.6	296.9	314.7
62.5°	192.0	206.2	246.3	282.9	301.8
65°	169.8	186.2	232.2	268.7	287.6
67.5°	149.6	167.3	214.5	253.4	271.1
70°	126.0	148.5	196.9	234.5	254.5
72.5°	104.9	129.6	176.7	214.5	232.2
75°	83.7	110.7	156.7	188.6	199.1
77.5°	64.9	90.7	134.4	143.8	144.9
80°	48.3	71.8	100.2	101.3	104.9
82.5°	32.9	50.7	64.9	70.7	71.8
85°	21.1	29.5	36.5	37.8	40.0
87.5°	9.4	10.6	12.9	11.8	11.8
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)