

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: P732199

Luminaire Tested: **24CZ2-40-RDP-B2750-W2D-4000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-40-RDP-B2750-W2D-4000K
Description: 2X4 4000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

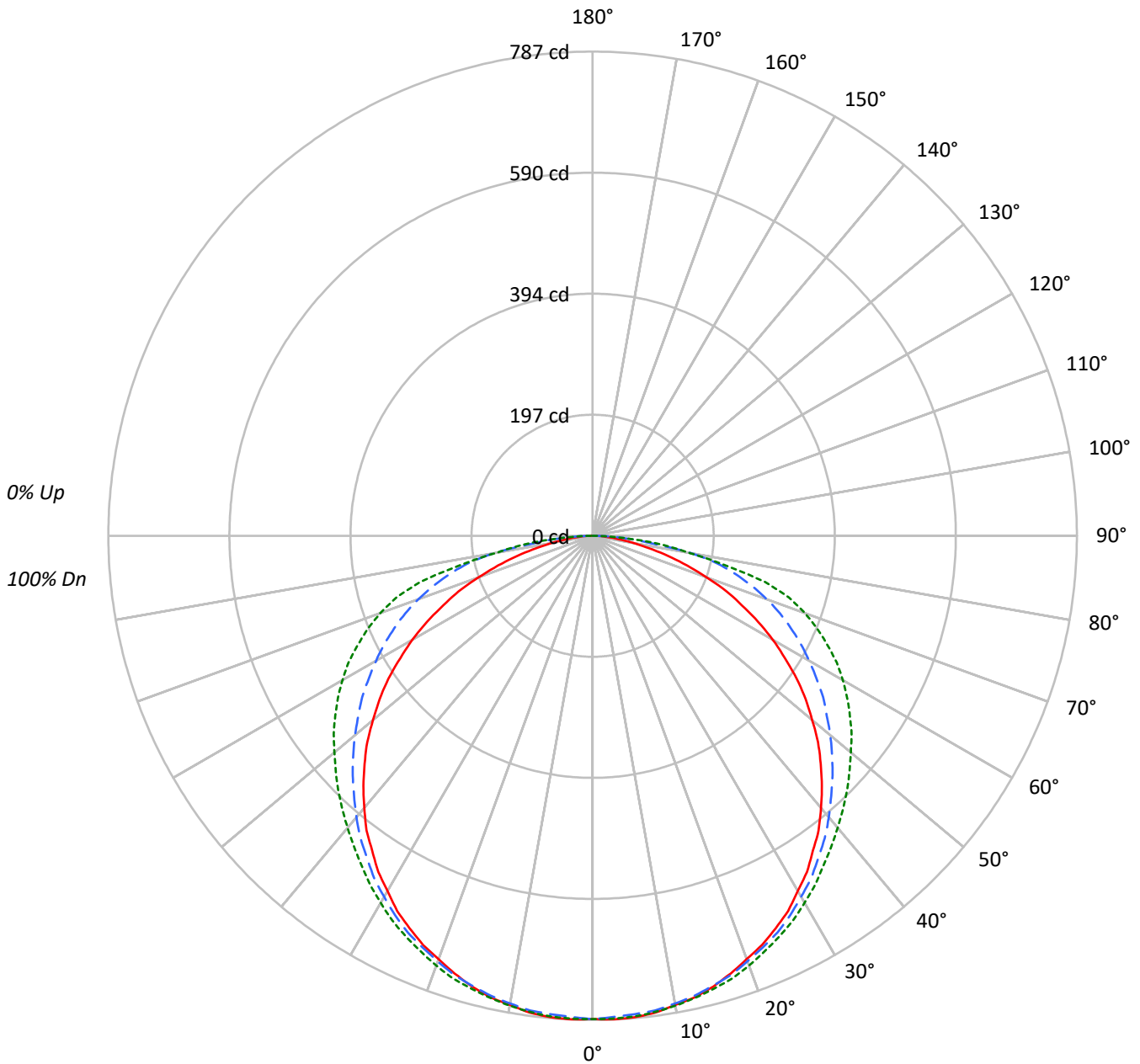
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2498.0 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
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					
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								
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82								
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67								
3	88	77	68	62	86	76	68	61	72	66	60	70	64	59	67	62	58	56								
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47								
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35								
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27								
9	55	41	33	27	53	40	32	27	39	32	27	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°	1109	1109	1109
5°	1113	1106	1111
10°	1110	1106	1112
15°	1108	1106	1113
20°	1100	1105	1117
25°	1096	1108	1119
30°	1086	1104	1123
35°	1076	1101	1127
40°	1064	1100	1142
45°	1046	1101	1167
50°	1023	1107	1203
55°	997	1125	1256
60°	955	1147	1326
65°	894	1188	1407
70°	813	1242	1514
75°	689	1311	1581
80°	544	1319	1278
85°	402	1004	1122



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	3.0
10°-20°	214.5	8.6
20°-30°	328.0	13.1
30°-40°	400.9	16.0
40°-50°	427.3	17.1
50°-60°	408.5	16.4
60°-70°	346.1	13.9
70°-80°	232.6	9.3
80°-90°	65.6	2.6
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°	616.9	24.7
0°-40°	1017.9	40.7
0°-60°	1853.7	74.2
0°-90°	2498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	786	786	786	786	786	
5°	786	784	781	784	784	75
15°	758	758	757	763	762	214
25°	704	706	711	717	719	324
35°	624	629	639	652	654	391
45°	524	533	551	575	585	404
55°	405	420	457	493	510	361
65°	268	295	356	403	421	266
75°	126	172	240	281	290	135
85°	25	51	62	67	69	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	785.6	785.6	785.6	785.6	785.6
2.5°	786.8	786.8	783.0	785.6	785.6
5°	785.6	784.4	780.6	784.4	784.4
7.5°	781.8	780.6	778.1	781.8	780.6
10°	774.4	774.4	772.0	775.7	775.7
12.5°	768.2	767.0	765.7	770.6	769.4
15°	758.4	758.4	757.0	763.3	762.0
17.5°	746.0	747.2	748.4	753.3	754.6
20°	732.2	734.8	736.0	743.4	743.4
22.5°	719.8	721.2	723.6	731.0	731.0
25°	703.8	706.2	711.2	717.4	718.6
27.5°	687.7	688.9	695.2	703.8	705.0
30°	666.6	670.4	677.7	687.7	688.9
32.5°	648.0	651.7	660.4	670.4	672.8
35°	624.5	629.4	639.3	651.7	654.2
37.5°	603.4	607.2	619.6	633.2	636.9
40°	577.4	584.8	597.2	613.3	619.6
42.5°	551.4	558.8	573.7	594.8	602.2
45°	524.1	532.8	551.4	574.9	584.8
47.5°	496.9	506.8	527.8	555.0	566.2
50°	465.8	478.2	504.2	535.3	547.7
52.5°	436.1	451.0	479.6	514.2	530.4
55°	405.2	420.0	457.2	493.2	510.5
57.5°	370.5	390.2	431.2	472.1	490.6
60°	338.2	356.8	406.4	451.0	469.6
62.5°	303.6	328.4	381.6	428.6	447.3
65°	267.6	294.9	355.6	402.6	421.3
67.5°	235.5	265.2	329.6	376.6	395.3
70°	197.1	234.1	301.0	348.1	366.8
72.5°	161.1	202.0	271.3	317.2	334.5
75°	126.4	172.3	240.4	281.3	290.0
77.5°	94.1	142.5	208.1	225.4	219.3
80°	66.9	114.0	162.3	153.6	157.3
82.5°	43.3	86.8	100.4	114.0	117.7
85°	24.8	50.8	62.0	66.9	69.3
87.5°	11.2	18.5	24.8	24.8	23.6
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)