

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: P732021

Luminaire Tested: **22CZ2-34HE-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732021
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: 22CZ2-34HE-RDP-B2750-W2D-2700K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

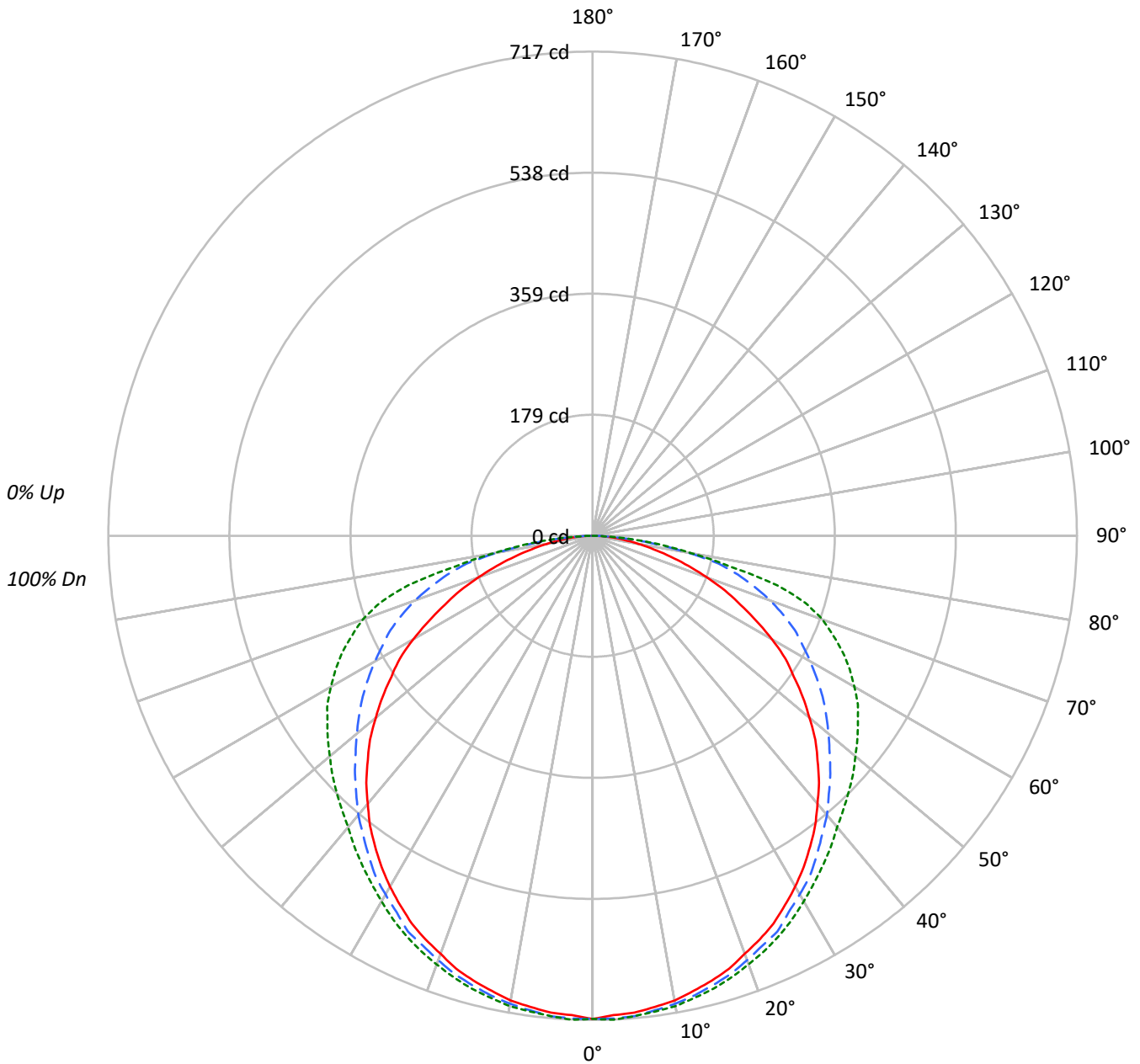
Lumens per Lamp: N/A
Luminaire Lumens: 2278.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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°	2030	2030	2030
5°	2019	2033	2033
10°	2013	2028	2038
15°	2003	2023	2038
20°	1989	2019	2039
25°	1983	2025	2046
30°	1966	2010	2048
35°	1945	2003	2061
40°	1918	1999	2086
45°	1890	1997	2152
50°	1850	2012	2242
55°	1799	2056	2371
60°	1740	2111	2539
65°	1621	2217	2745
70°	1487	2322	3002
75°	1306	2443	3105
80°	1121	2329	2436
85°	980	1690	1852



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	3.0
10°-20°	194.4	8.5
20°-30°	296.5	13.0
30°-40°	362.0	15.9
40°-50°	387.1	17.0
50°-60°	373.6	16.4
60°-70°	321.6	14.1
70°-80°	217.6	9.6
80°-90°	57.4	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°	558.6	24.5
0°-40°	920.6	40.4
0°-60°	1681.4	73.8
0°-90°	2278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	716	716	716	716	716	
5°	709	711	714	714	714	67
15°	682	684	689	692	694	192
25°	634	637	647	650	654	292
35°	562	566	578	590	595	351
45°	471	479	498	523	536	364
55°	364	375	416	458	479	326
65°	241	265	330	382	409	240
75°	119	157	223	268	283	128
85°	30	42	52	54	57	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	715.5	715.5	715.5	715.5	715.5
2.5°	710.6	712.2	715.5	715.5	717.3
5°	708.8	710.6	713.9	713.9	713.9
7.5°	703.8	705.6	708.8	710.6	710.6
10°	698.7	700.5	703.8	705.6	707.2
12.5°	690.4	692.1	697.1	700.5	700.5
15°	682.0	683.8	688.8	692.1	693.9
17.5°	672.1	675.3	680.4	683.8	685.4
20°	658.6	662.0	668.7	673.7	675.3
22.5°	646.9	650.3	656.9	662.0	665.2
25°	633.5	636.8	646.9	650.3	653.5
27.5°	616.8	620.0	628.5	635.1	640.2
30°	600.0	603.3	613.4	621.6	625.1
32.5°	581.5	586.5	598.2	604.9	609.9
35°	561.5	566.3	578.2	589.9	595.0
37.5°	541.3	546.3	558.1	573.2	579.8
40°	517.9	524.5	539.7	559.7	563.1
42.5°	496.1	504.4	517.9	541.3	549.6
45°	470.9	479.3	497.7	522.9	536.3
47.5°	447.4	455.7	475.9	506.2	522.9
50°	419.0	430.7	455.7	491.0	507.8
52.5°	392.1	402.2	435.7	474.3	494.3
55°	363.7	375.4	415.6	457.5	479.3
57.5°	338.5	348.6	393.8	440.8	465.8
60°	306.6	320.1	372.0	422.2	447.4
62.5°	273.1	293.3	350.2	402.2	429.1
65°	241.4	264.8	330.2	382.1	408.9
67.5°	212.7	238.0	305.0	360.3	385.5
70°	179.2	211.1	279.9	333.4	361.9
72.5°	149.1	184.3	251.3	305.0	330.2
75°	119.1	157.4	222.8	268.2	283.2
77.5°	92.2	129.0	191.1	204.5	206.1
80°	68.6	102.1	142.5	144.1	149.1
82.5°	46.8	72.1	92.2	100.5	102.1
85°	30.1	42.0	51.9	53.7	56.9
87.5°	13.3	15.1	18.4	16.8	16.8
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)