

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: P732047

Luminaire Tested: **22CZ2-39HE-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732047
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: 22CZ2-39HE-RDP-B2750-W2D-3000K
Description: 2X2 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

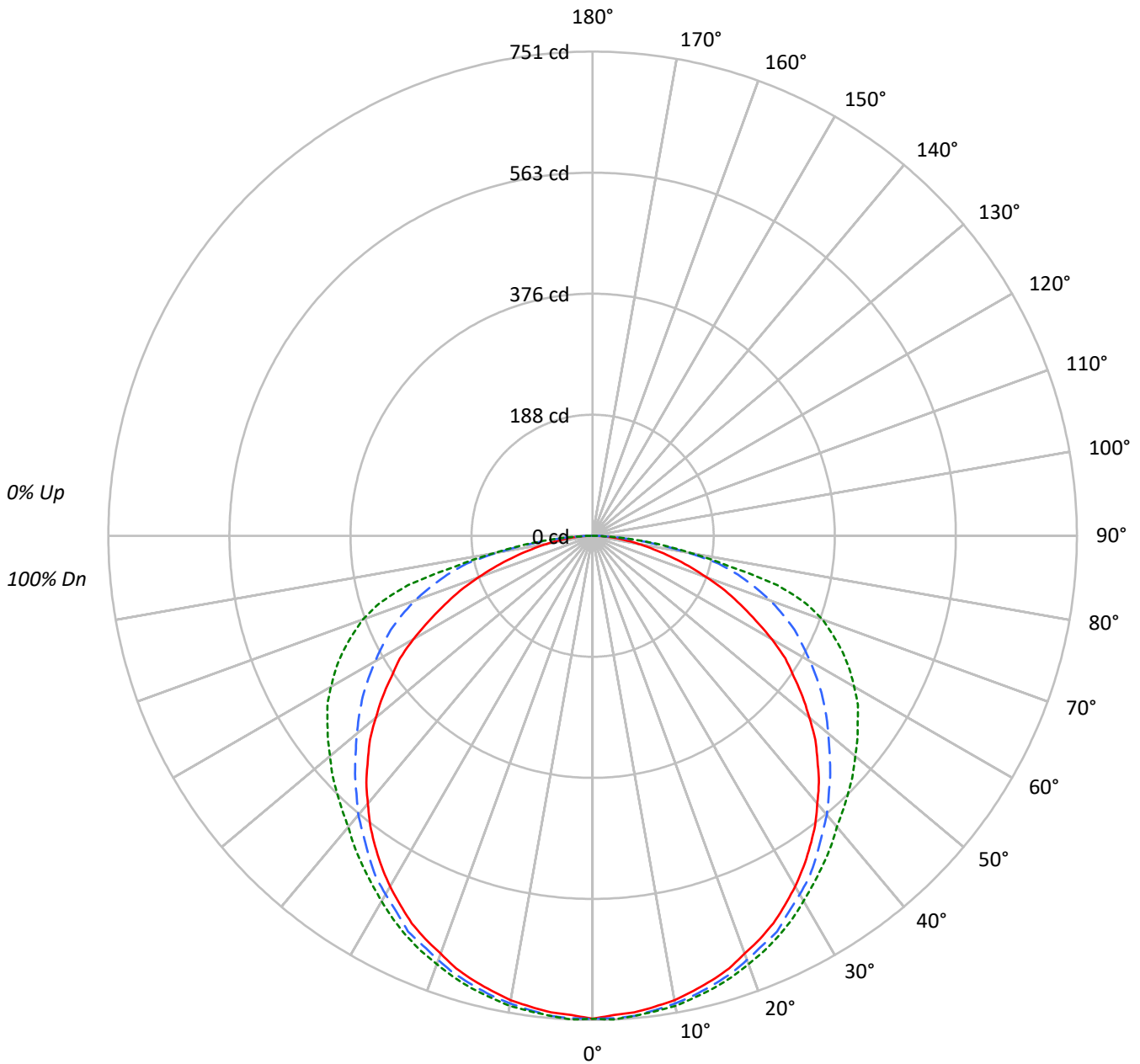
Lumens per Lamp: N/A
Luminaire Lumens: 2385.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 32
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

TEST NUMBER: P732047

CATALOG NUMBER: 22CZ2-39HE-RDP-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P732047

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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	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°	2126	2126	2126
5°	2114	2129	2129
10°	2108	2123	2133
15°	2097	2119	2134
20°	2082	2114	2135
25°	2077	2120	2142
30°	2058	2104	2144
35°	2036	2097	2158
40°	2008	2093	2184
45°	1978	2091	2253
50°	1937	2106	2347
55°	1884	2152	2483
60°	1822	2210	2659
65°	1697	2321	2874
70°	1556	2432	3144
75°	1367	2558	3251
80°	1173	2438	2552
85°	1026	1768	1940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	3.0
10°-20°	203.5	8.5
20°-30°	310.4	13.0
30°-40°	379.1	15.9
40°-50°	405.3	17.0
50°-60°	391.2	16.4
60°-70°	336.7	14.1
70°-80°	227.8	9.6
80°-90°	60.1	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°	584.8	24.5
0°-40°	963.8	40.4
0°-60°	1760.3	73.8
0°-90°	2385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2385.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	742	744	747	747	747	70
15°	714	716	721	725	726	201
25°	663	667	677	681	684	305
35°	588	593	605	618	623	368
45°	493	502	521	548	561	381
55°	381	393	435	479	502	341
65°	253	277	346	400	428	251
75°	125	165	233	281	296	134
85°	32	44	54	56	60	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	749.1	749.1	749.1	749.1	749.1
2.5°	744.0	745.7	749.1	749.1	751.0
5°	742.1	744.0	747.4	747.4	747.4
7.5°	736.8	738.7	742.1	744.0	744.0
10°	731.5	733.4	736.8	738.7	740.4
12.5°	722.9	724.6	729.9	733.4	733.4
15°	714.0	715.9	721.2	724.6	726.5
17.5°	703.7	707.0	712.3	715.9	717.6
20°	689.5	693.1	700.1	705.3	707.0
22.5°	677.2	680.8	687.8	693.1	696.5
25°	663.3	666.7	677.2	680.8	684.2
27.5°	645.8	649.1	658.0	665.0	670.3
30°	628.2	631.6	642.2	650.8	654.4
32.5°	608.8	614.1	626.3	633.3	638.6
35°	587.9	592.9	605.4	617.6	622.9
37.5°	566.7	572.0	584.3	600.1	607.1
40°	542.2	549.2	565.0	586.0	589.5
42.5°	519.4	528.1	542.2	566.7	575.4
45°	493.0	501.9	521.1	547.5	561.4
47.5°	468.5	477.1	498.3	530.0	547.5
50°	438.7	450.9	477.1	514.1	531.6
52.5°	410.6	421.1	456.2	496.6	517.5
55°	380.8	393.0	435.1	479.0	501.9
57.5°	354.4	364.9	412.3	461.5	487.7
60°	321.0	335.1	389.4	442.1	468.5
62.5°	285.9	307.0	366.6	421.1	449.2
65°	252.7	277.2	345.7	400.0	428.1
67.5°	222.7	249.1	319.3	377.2	403.6
70°	187.6	221.0	293.1	349.1	378.9
72.5°	156.2	192.9	263.1	319.3	345.7
75°	124.7	164.8	233.3	280.8	296.5
77.5°	96.6	135.0	200.1	214.1	215.7
80°	71.8	106.9	149.2	150.9	156.2
82.5°	49.0	75.4	96.6	105.2	106.9
85°	31.5	44.0	54.3	56.2	59.6
87.5°	13.9	15.8	19.2	17.5	17.5
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)