

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: P842911

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24HE-S-UNV-B35
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

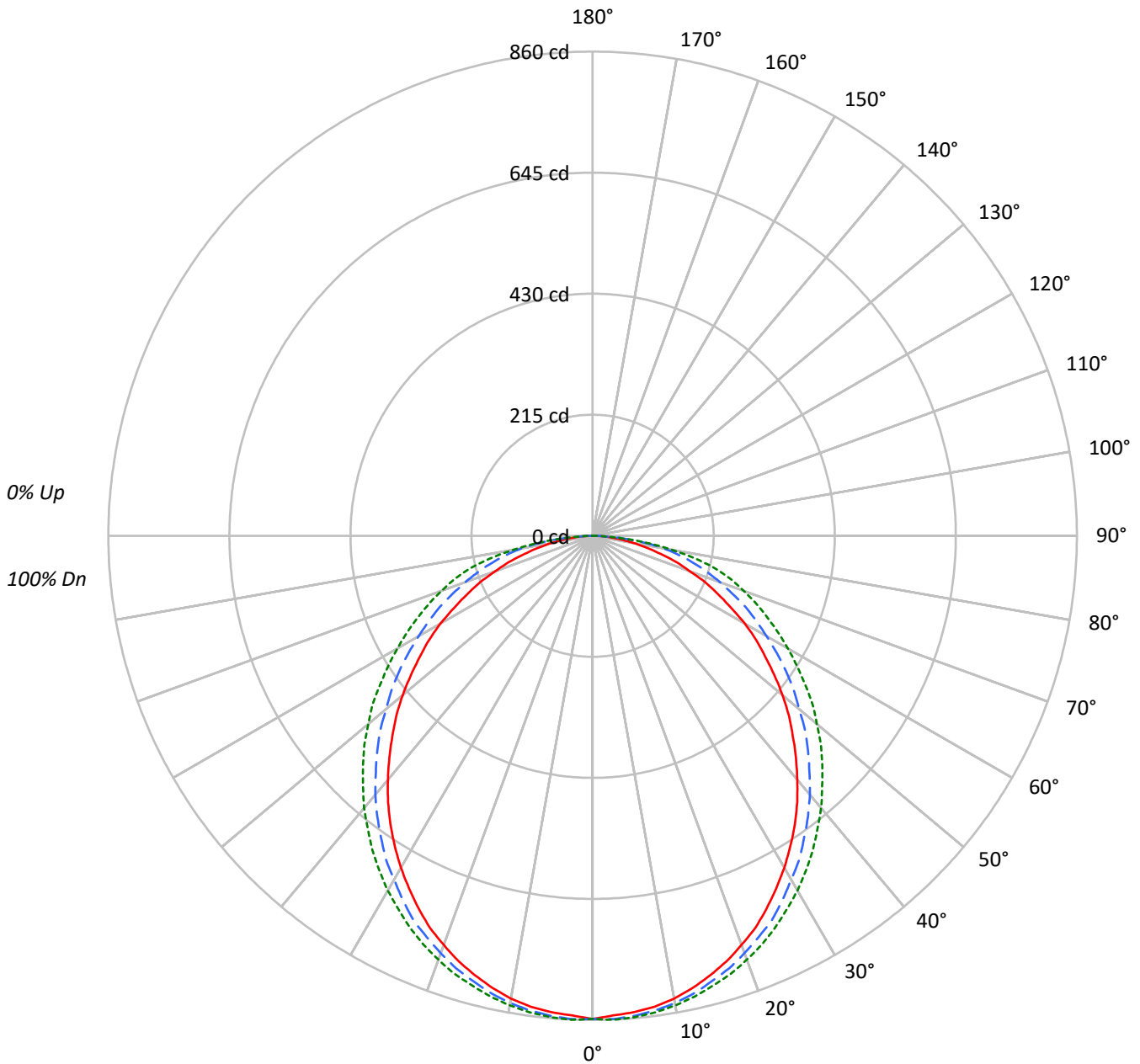
Lumens per Lamp: N/A
Luminaire Lumens: 2395.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43																			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2435	2435	2435
5°	2419	2438	2444
10°	2405	2428	2440
15°	2374	2406	2429
20°	2335	2382	2420
25°	2288	2358	2404
30°	2230	2310	2384
35°	2168	2269	2361
40°	2095	2223	2338
45°	2018	2170	2314
50°	1943	2111	2294
55°	1852	2073	2278
60°	1769	2023	2271
65°	1651	2011	2296
70°	1521	1993	2364
75°	1372	2022	2488
80°	1186	2082	2337
85°	983	1745	1745



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	3.4
10°-20°	231.0	9.6
20°-30°	345.6	14.4
30°-40°	409.3	17.1
40°-50°	417.1	17.4
50°-60°	373.8	15.6
60°-70°	292.7	12.2
70°-80°	188.7	7.9
80°-90°	55.7	2.3
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°	657.7	27.5
0°-40°	1067.0	44.5
0°-60°	1857.9	77.6
0°-90°	2395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	849	852	856	857	858	81
15°	808	812	819	826	827	228
25°	731	738	753	763	768	336
35°	626	634	655	675	682	391
45°	503	514	541	569	577	388
55°	374	387	419	448	460	336
65°	246	260	300	329	342	244
75°	125	144	184	216	227	134
85°	30	41	54	54	54	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.2	858.2	858.2	858.2	858.2
2.5°	852.6	854.8	859.3	860.5	860.5
5°	849.3	851.5	855.9	857.1	858.2
7.5°	843.7	844.7	850.4	852.6	853.8
10°	834.8	836.9	842.6	846.0	847.0
12.5°	822.4	825.8	832.5	836.9	838.1
15°	808.0	812.4	819.0	825.8	827.0
17.5°	792.2	796.8	805.7	813.5	815.8
20°	773.2	778.9	788.9	797.9	801.3
22.5°	754.3	758.7	771.1	782.3	785.6
25°	730.8	737.6	753.2	763.3	767.7
27.5°	706.2	714.0	729.7	743.1	747.5
30°	680.6	688.4	705.1	721.9	727.5
32.5°	653.7	662.7	682.7	699.6	705.1
35°	625.8	633.6	654.9	674.9	681.7
37.5°	596.7	603.4	628.1	649.2	655.9
40°	565.5	574.3	600.1	624.7	631.3
42.5°	534.1	544.2	569.9	596.7	603.4
45°	502.8	514.0	540.8	568.8	576.6
47.5°	472.7	481.6	511.9	538.7	549.8
50°	440.2	449.2	478.3	508.5	519.7
52.5°	406.7	419.1	450.3	479.4	492.7
55°	374.4	386.6	419.1	448.2	460.4
57.5°	344.2	354.2	387.7	417.9	430.3
60°	311.7	320.8	356.5	388.9	400.1
62.5°	277.1	290.5	327.4	357.5	371.0
65°	245.9	260.3	299.5	328.6	341.9
67.5°	216.8	230.1	268.3	299.5	314.0
70°	183.3	201.2	240.2	271.5	284.9
72.5°	156.5	172.1	212.4	243.6	258.2
75°	125.1	144.1	184.4	215.7	226.9
77.5°	99.5	118.5	156.5	181.0	186.6
80°	72.6	91.6	127.4	139.6	143.0
82.5°	49.2	67.1	91.6	94.9	96.2
85°	30.2	41.3	53.6	53.6	53.6
87.5°	14.5	16.7	19.0	17.9	17.9
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)