

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: P842937

Luminaire Tested: **22CZ2-34HE-HRP-UNV-B50**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-HRP-UNV-B50
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

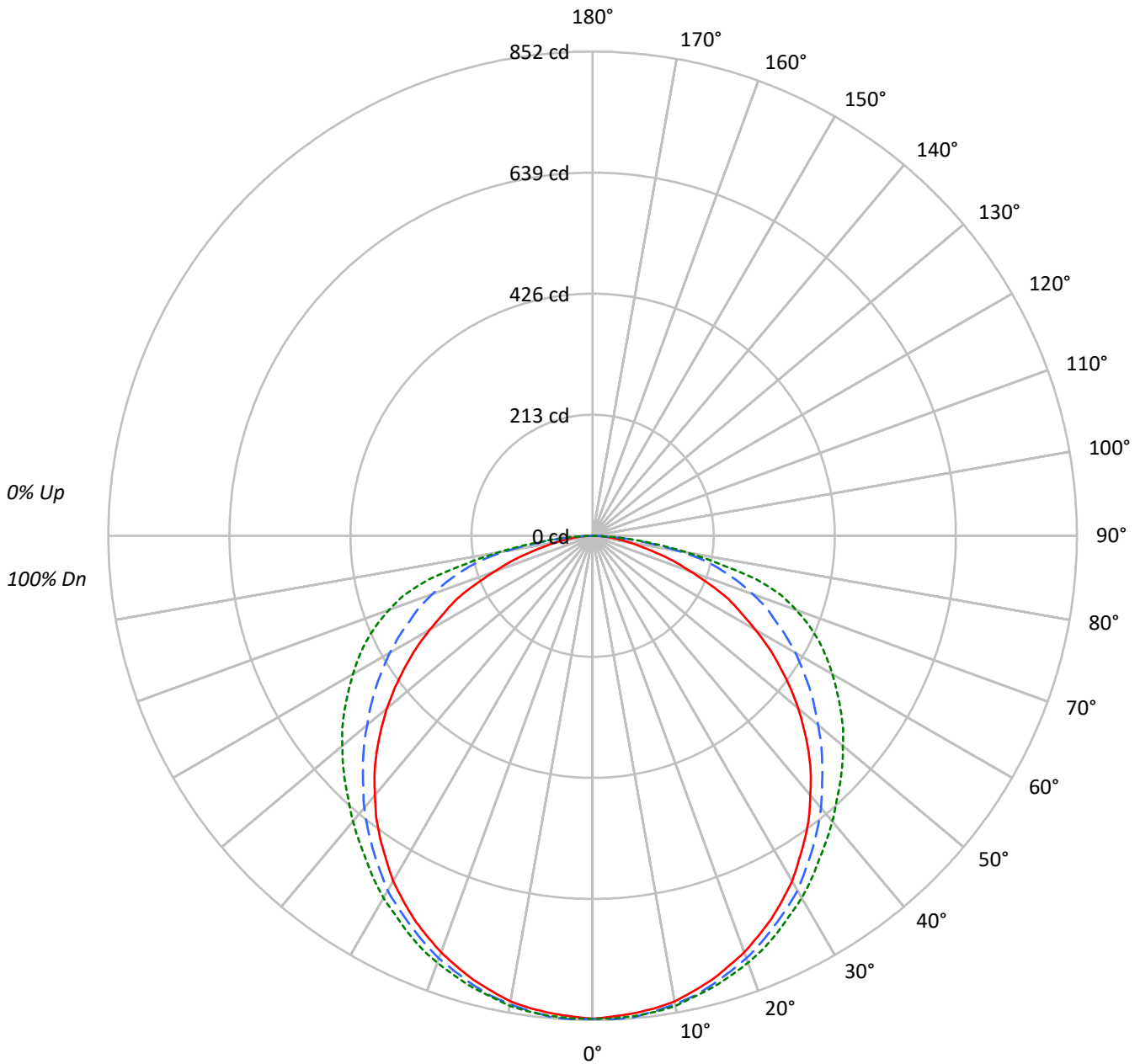
Lumens per Lamp: N/A
Luminaire Lumens: 2581.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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									
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	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82																			
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56																			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48																			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36																			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31																			
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28																			
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25																			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2412	2412	2412
5°	2402	2421	2416
10°	2397	2411	2421
15°	2377	2401	2415
20°	2355	2389	2414
25°	2329	2370	2411
30°	2299	2363	2412
35°	2256	2335	2408
40°	2207	2316	2431
45°	2157	2293	2470
50°	2084	2286	2537
55°	1990	2304	2634
60°	1876	2338	2763
65°	1771	2383	2952
70°	1512	2486	3160
75°	1267	2588	3285
80°	1038	2500	2740
85°	905	1856	2012



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.1
10°-20°	230.4	8.9
20°-30°	349.2	13.5
30°-40°	421.7	16.3
40°-50°	443.1	17.2
50°-60°	416.9	16.2
60°-70°	347.6	13.5
70°-80°	230.3	8.9
80°-90°	61.4	2.4
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°	660.1	25.6
0°-40°	1081.8	41.9
0°-60°	1941.7	75.2
0°-90°	2581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	850	850	850	850	850	
5°	843	845	850	850	848	80
15°	809	812	817	821	822	228
25°	744	749	757	767	770	343
35°	651	658	674	689	695	407
45°	537	545	571	601	616	414
55°	402	420	466	513	532	360
65°	264	286	355	414	440	257
75°	116	161	236	285	300	125
85°	28	42	57	62	62	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	849.9	849.9	849.9	849.9	849.9
2.5°	846.6	848.3	851.6	851.6	849.9
5°	843.4	844.9	849.9	849.9	848.3
7.5°	838.5	840.2	843.4	846.6	844.9
10°	832.0	833.5	836.9	840.2	840.2
12.5°	820.6	822.1	828.8	830.3	830.3
15°	809.2	812.4	817.4	820.6	822.1
17.5°	794.6	797.8	804.2	810.9	810.9
20°	779.9	783.1	791.3	797.8	799.5
22.5°	762.0	766.8	775.0	783.1	786.4
25°	744.0	748.9	757.1	766.8	770.0
27.5°	722.9	727.8	739.2	750.6	752.2
30°	701.8	706.5	721.2	731.1	736.0
32.5°	675.8	682.2	696.9	711.5	716.4
35°	651.2	657.7	674.0	688.7	695.1
37.5°	625.2	631.7	649.7	667.6	675.8
40°	595.9	604.1	625.2	644.8	656.2
42.5°	568.2	576.3	597.4	623.7	634.9
45°	537.4	545.4	571.4	600.9	615.5
47.5°	504.7	514.6	545.4	581.3	595.9
50°	472.2	483.6	517.8	558.5	574.8
52.5°	438.0	452.6	491.7	535.7	555.2
55°	402.2	420.1	465.7	512.8	532.4
57.5°	368.0	384.2	438.0	488.5	509.6
60°	330.6	351.7	411.9	464.0	486.8
62.5°	294.6	317.4	384.2	439.7	464.0
65°	263.8	286.5	354.9	413.6	439.7
67.5°	223.0	254.0	330.6	385.9	411.9
70°	182.3	224.7	299.6	356.6	380.9
72.5°	151.5	192.2	268.6	325.6	348.4
75°	115.6	161.2	236.1	284.9	299.6
77.5°	86.3	133.4	201.9	226.4	227.9
80°	63.5	102.6	153.0	161.2	167.7
82.5°	43.9	71.7	99.2	109.1	112.3
85°	27.8	42.4	57.0	61.8	61.8
87.5°	14.6	16.3	19.6	19.6	19.6
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)