

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: P842943

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842943
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: 22CZ2-34HE-S-UNV-B50
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

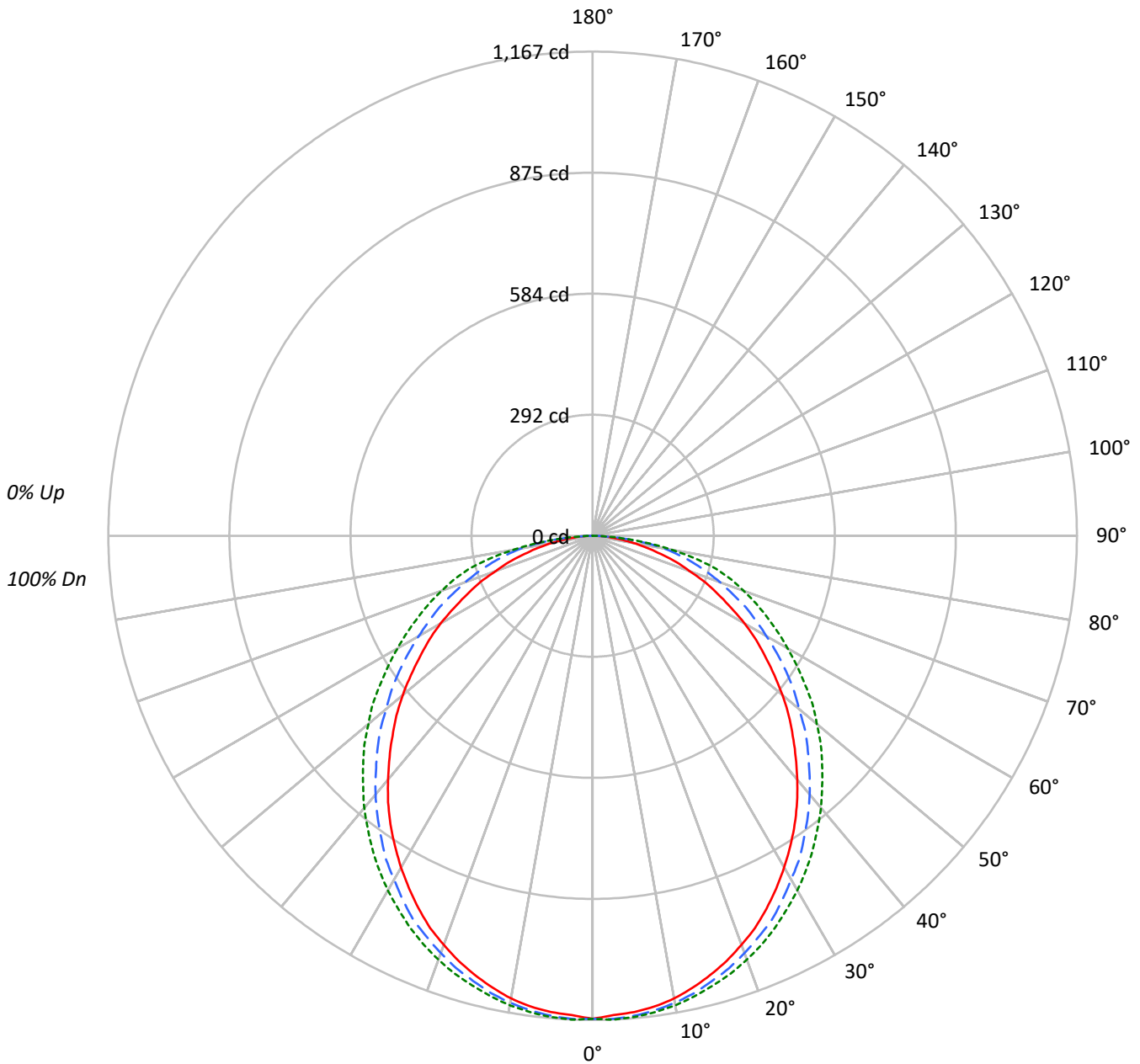
Lumens per Lamp: N/A
Luminaire Lumens: 3249.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 30
Input Voltage (V): NR
Input Current (Ain): 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°	3303	3303	3303
5°	3282	3307	3316
10°	3263	3293	3311
15°	3220	3264	3295
20°	3168	3232	3282
25°	3104	3199	3261
30°	3025	3134	3233
35°	2941	3077	3203
40°	2841	3015	3172
45°	2737	2944	3139
50°	2636	2865	3112
55°	2513	2812	3090
60°	2400	2744	3080
65°	2240	2728	3114
70°	2062	2704	3207
75°	1860	2742	3375
80°	1610	2824	3170
85°	1332	2367	2367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	3.4
10°-20°	313.3	9.6
20°-30°	468.8	14.4
30°-40°	555.2	17.1
40°-50°	565.8	17.4
50°-60°	507.1	15.6
60°-70°	397.0	12.2
70°-80°	256.0	7.9
80°-90°	75.6	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°	892.2	27.5
0°-40°	1447.4	44.5
0°-60°	2520.3	77.6
0°-90°	3249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1152	1155	1161	1163	1164	109
15°	1096	1102	1111	1120	1122	309
25°	991	1000	1022	1035	1042	456
35°	849	860	888	916	925	531
45°	682	697	734	772	782	527
55°	508	524	568	608	625	455
65°	334	353	406	446	464	331
75°	170	196	250	293	308	182
85°	41	56	73	73	73	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1156.6	1159.7	1165.7	1167.3	1167.3
5°	1152.2	1155.1	1161.1	1162.8	1164.2
7.5°	1144.5	1146.0	1153.6	1156.6	1158.2
10°	1132.4	1135.4	1143.0	1147.6	1149.1
12.5°	1115.6	1120.2	1129.3	1135.4	1137.0
15°	1096.1	1102.1	1111.1	1120.2	1121.8
17.5°	1074.7	1080.9	1093.0	1103.6	1106.7
20°	1049.0	1056.6	1070.2	1082.4	1087.0
22.5°	1023.2	1029.2	1046.0	1061.2	1065.8
25°	991.4	1000.5	1021.7	1035.4	1041.5
27.5°	958.0	968.6	990.0	1008.0	1014.1
30°	923.3	933.9	956.5	979.4	986.8
32.5°	886.7	899.0	926.2	949.0	956.5
35°	848.9	859.5	888.4	915.6	924.7
37.5°	809.5	818.6	852.0	880.7	889.8
40°	767.1	779.1	814.0	847.5	856.4
42.5°	724.5	738.2	773.1	809.5	818.6
45°	682.1	697.3	733.7	771.6	782.2
47.5°	641.2	653.3	694.4	730.7	745.9
50°	597.2	609.4	648.9	689.8	705.0
52.5°	551.7	568.5	610.9	650.3	668.4
55°	507.9	524.5	568.5	608.0	624.6
57.5°	466.9	480.5	525.9	566.9	583.7
60°	422.9	435.1	483.6	527.6	542.7
62.5°	376.0	394.0	444.1	485.0	503.3
65°	333.6	353.1	406.3	445.7	463.8
67.5°	294.1	312.2	363.9	406.3	426.0
70°	248.6	272.9	325.9	368.3	386.6
72.5°	212.3	233.5	288.1	330.5	350.2
75°	169.7	195.5	250.1	292.7	307.8
77.5°	135.0	160.8	212.3	245.5	253.2
80°	98.5	124.2	172.8	189.4	194.0
82.5°	66.7	91.0	124.2	128.8	130.4
85°	40.9	56.1	72.7	72.7	72.7
87.5°	19.7	22.7	25.8	24.3	24.3
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)