

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: P732011

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P271965)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-B2750-W2D-2700K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

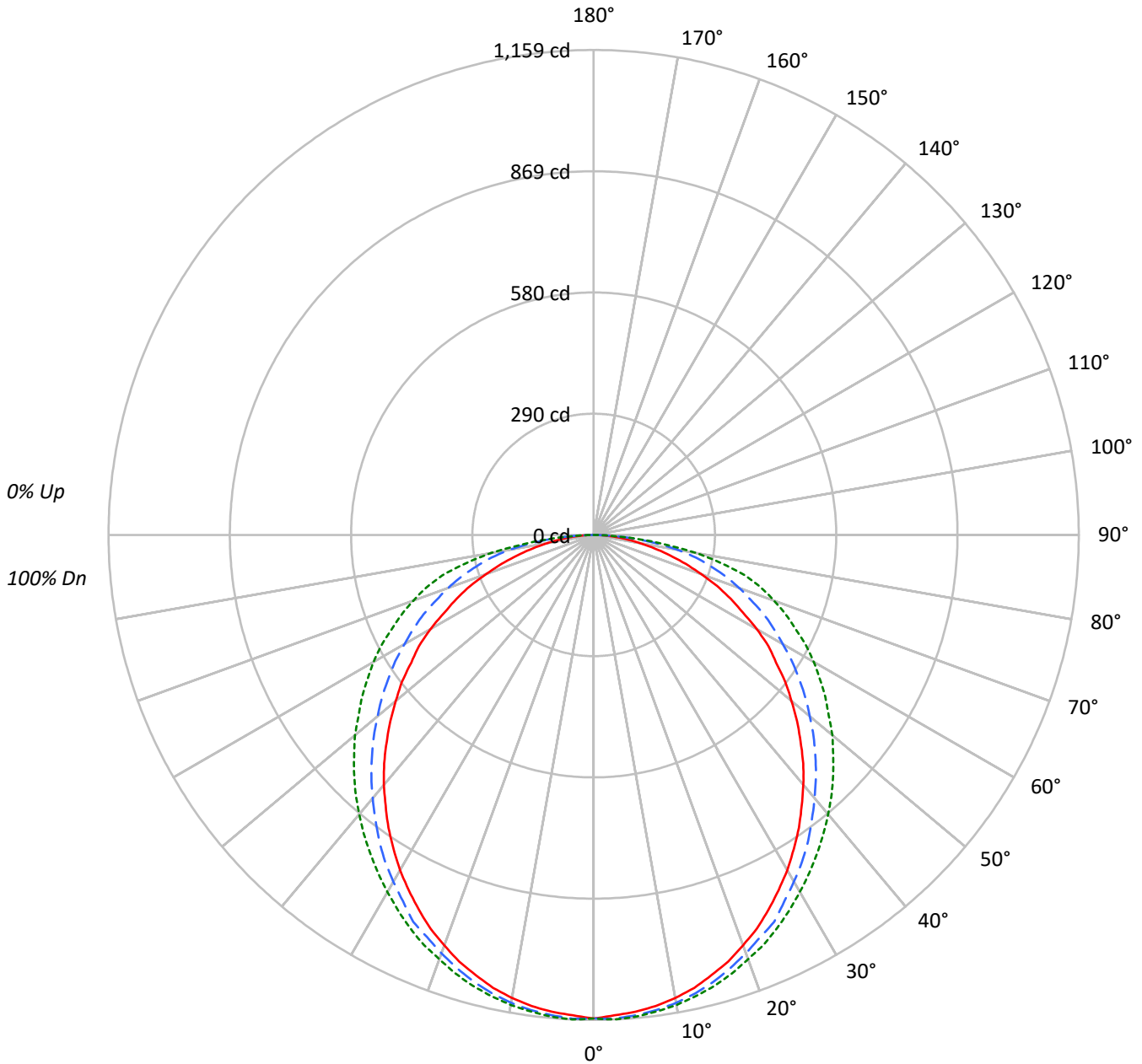
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3399.0 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
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	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82																			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68																			
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56																			
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48																			
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36																			
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32																			
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28																			
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25																			
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3279	3279	3279
5°	3259	3282	3292
10°	3238	3272	3286
15°	3198	3248	3277
20°	3151	3212	3257
25°	3095	3194	3247
30°	3030	3135	3228
35°	2960	3094	3222
40°	2887	3041	3227
45°	2806	3007	3248
50°	2724	2975	3286
55°	2631	2962	3342
60°	2553	2961	3445
65°	2425	3009	3571
70°	2262	3066	3802
75°	2073	3173	4108
80°	1804	3307	4044
85°	1582	2940	3217



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.2
10°-20°	311.3	9.2
20°-30°	467.4	13.7
30°-40°	558.4	16.4
40°-50°	580.7	17.1
50°-60°	538.2	15.8
60°-70°	441.4	13.0
70°-80°	298.5	8.8
80°-90°	93.8	2.8
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°	888.0	26.1
0°-40°	1446.4	42.6
0°-60°	2565.3	75.5
0°-90°	3399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1144	1146	1152	1154	1156	109
15°	1089	1094	1106	1112	1116	307
25°	988	997	1020	1032	1037	455
35°	855	866	893	920	930	534
45°	699	712	749	793	809	540
55°	532	549	599	652	676	478
65°	361	381	448	507	532	357
75°	189	221	289	348	375	200
85°	49	67	90	100	99	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1155.7	1155.7	1155.7	1155.7	1155.7
2.5°	1149.0	1152.3	1157.3	1159.1	1159.1
5°	1144.0	1145.6	1152.3	1154.1	1155.7
7.5°	1135.5	1139.0	1145.6	1147.4	1149.0
10°	1123.8	1127.3	1135.5	1139.0	1140.6
12.5°	1108.9	1112.2	1122.2	1127.3	1128.9
15°	1088.8	1093.8	1105.5	1112.2	1115.6
17.5°	1068.8	1073.7	1085.6	1095.4	1098.9
20°	1043.6	1055.3	1063.8	1077.1	1078.7
22.5°	1018.6	1025.3	1040.2	1053.7	1060.4
25°	988.4	996.9	1020.3	1031.9	1037.0
27.5°	956.8	968.5	986.8	1005.1	1011.8
30°	924.9	933.2	956.8	978.3	985.2
32.5°	889.8	901.5	926.5	948.3	958.4
35°	854.6	866.3	893.1	919.9	930.0
37.5°	816.3	829.6	856.4	888.0	901.5
40°	779.4	789.5	821.1	859.6	871.3
42.5°	740.9	752.6	786.0	828.0	841.3
45°	699.2	712.5	749.4	792.7	809.4
47.5°	658.9	672.4	712.5	756.0	776.0
50°	617.1	633.9	674.0	724.2	744.3
52.5°	577.0	592.2	637.3	689.1	707.4
55°	531.9	548.6	598.8	652.2	675.6
57.5°	495.0	506.7	561.9	617.1	640.5
60°	449.9	465.0	521.8	580.3	607.1
62.5°	401.5	426.5	484.9	545.2	572.0
65°	361.2	381.3	448.2	506.7	531.9
67.5°	319.5	341.2	406.3	468.4	496.8
70°	272.7	301.1	369.6	431.5	458.3
72.5°	230.8	261.0	331.1	391.4	419.8
75°	189.1	220.7	289.4	347.9	374.7
77.5°	148.9	184.0	250.9	296.1	312.8
80°	110.4	143.9	202.4	234.2	247.5
82.5°	77.0	105.4	148.9	165.7	168.9
85°	48.6	66.9	90.3	100.4	98.8
87.5°	21.8	26.8	33.5	36.9	35.1
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)