

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: -

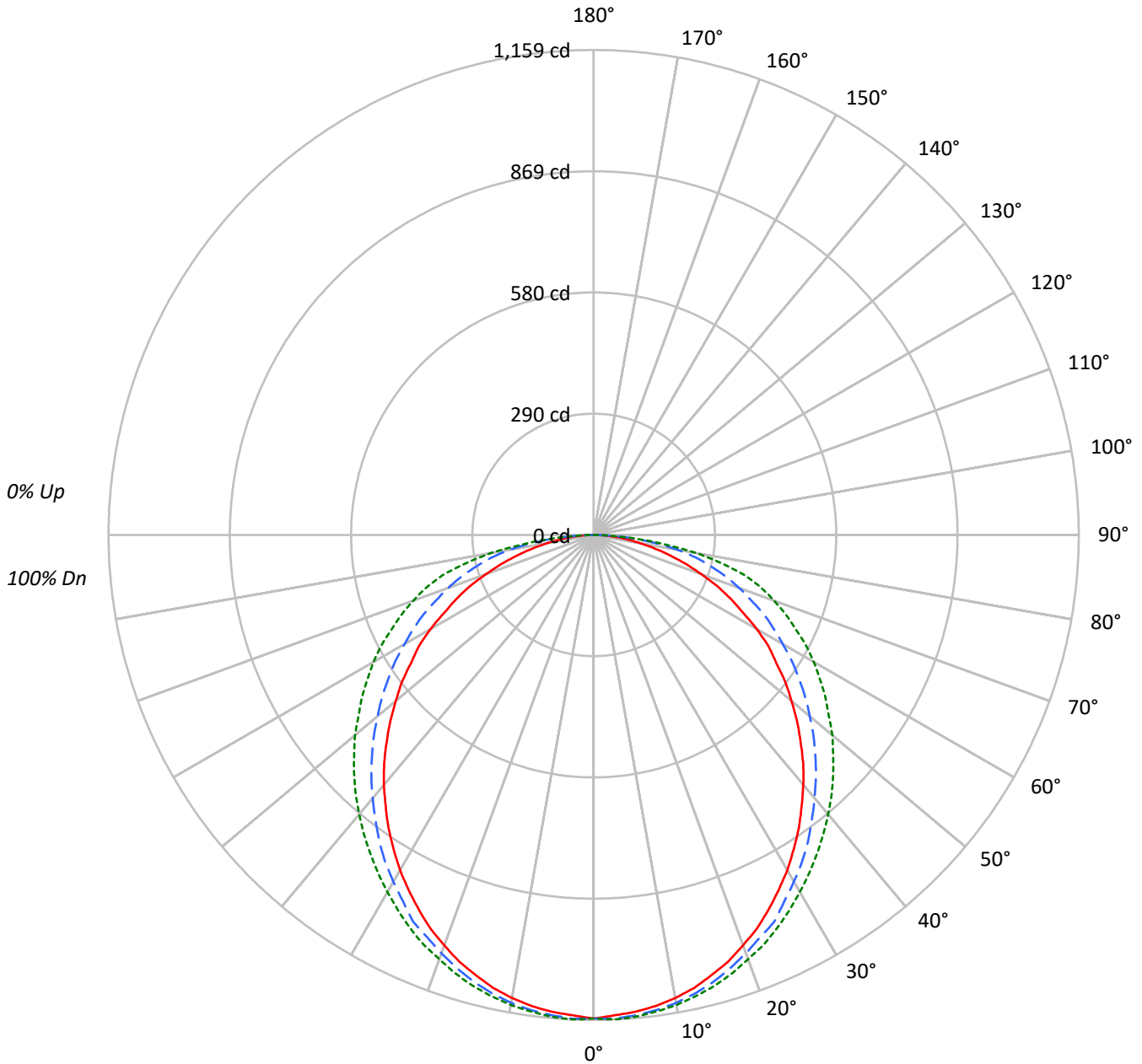
Summary

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 (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					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	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	<i>1155.7</i>	1155.7
2.5°	<i>1149.0</i>	<i>1152.3</i>	<i>1157.3</i>	<i>1159.1</i>	<i>1159.1</i>
5°	1144.0	1145.6	1152.3	<i>1154.1</i>	1155.7
7.5°	1135.5	1139.0	1145.6	<i>1147.4</i>	1149.0
10°	1123.8	1127.3	1135.5	<i>1139.0</i>	1140.6
12.5°	1108.9	1112.2	1122.2	<i>1127.3</i>	1128.9
15°	1088.8	1093.8	1105.5	<i>1112.2</i>	1115.6
17.5°	1068.8	1073.7	1085.6	<i>1095.4</i>	1098.9
20°	1043.6	1055.3	1063.8	<i>1077.1</i>	1078.7
22.5°	1018.6	1025.3	1040.2	<i>1053.7</i>	1060.4
25°	988.4	996.9	1020.3	<i>1031.9</i>	1037.0
27.5°	956.8	968.5	986.8	<i>1005.1</i>	1011.8
30°	924.9	933.2	956.8	<i>978.3</i>	985.2
32.5°	889.8	901.5	926.5	<i>948.3</i>	958.4
35°	854.6	866.3	893.1	<i>919.9</i>	930.0
37.5°	816.3	829.6	856.4	<i>888.0</i>	901.5
40°	779.4	789.5	821.1	<i>859.6</i>	871.3
42.5°	740.9	752.6	786.0	<i>828.0</i>	841.3
45°	699.2	712.5	749.4	<i>792.7</i>	809.4
47.5°	658.9	672.4	712.5	<i>756.0</i>	776.0
50°	617.1	633.9	674.0	<i>724.2</i>	744.3
52.5°	577.0	592.2	637.3	<i>689.1</i>	707.4
55°	531.9	548.6	598.8	<i>652.2</i>	675.6
57.5°	495.0	506.7	561.9	<i>617.1</i>	640.5
60°	449.9	465.0	521.8	<i>580.3</i>	607.1
62.5°	401.5	426.5	484.9	<i>545.2</i>	572.0
65°	361.2	381.3	448.2	<i>506.7</i>	531.9
67.5°	319.5	341.2	406.3	<i>468.4</i>	496.8
70°	272.7	301.1	369.6	<i>431.5</i>	458.3
72.5°	230.8	261.0	331.1	<i>391.4</i>	419.8
75°	189.1	220.7	289.4	<i>347.9</i>	374.7
77.5°	148.9	184.0	250.9	<i>296.1</i>	312.8
80°	110.4	143.9	202.4	<i>234.2</i>	247.5
82.5°	77.0	105.4	148.9	<i>165.7</i>	168.9
85°	48.6	66.9	90.3	<i>100.4</i>	98.8
87.5°	21.8	26.8	33.5	<i>36.9</i>	35.1
90°	0.0	0.0	0.0	<i>0.0</i>	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)