

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: P732032

Luminaire Tested: **22CZ2-34HE-SQR-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387672)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-SQR-B2750-W2D-3000K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

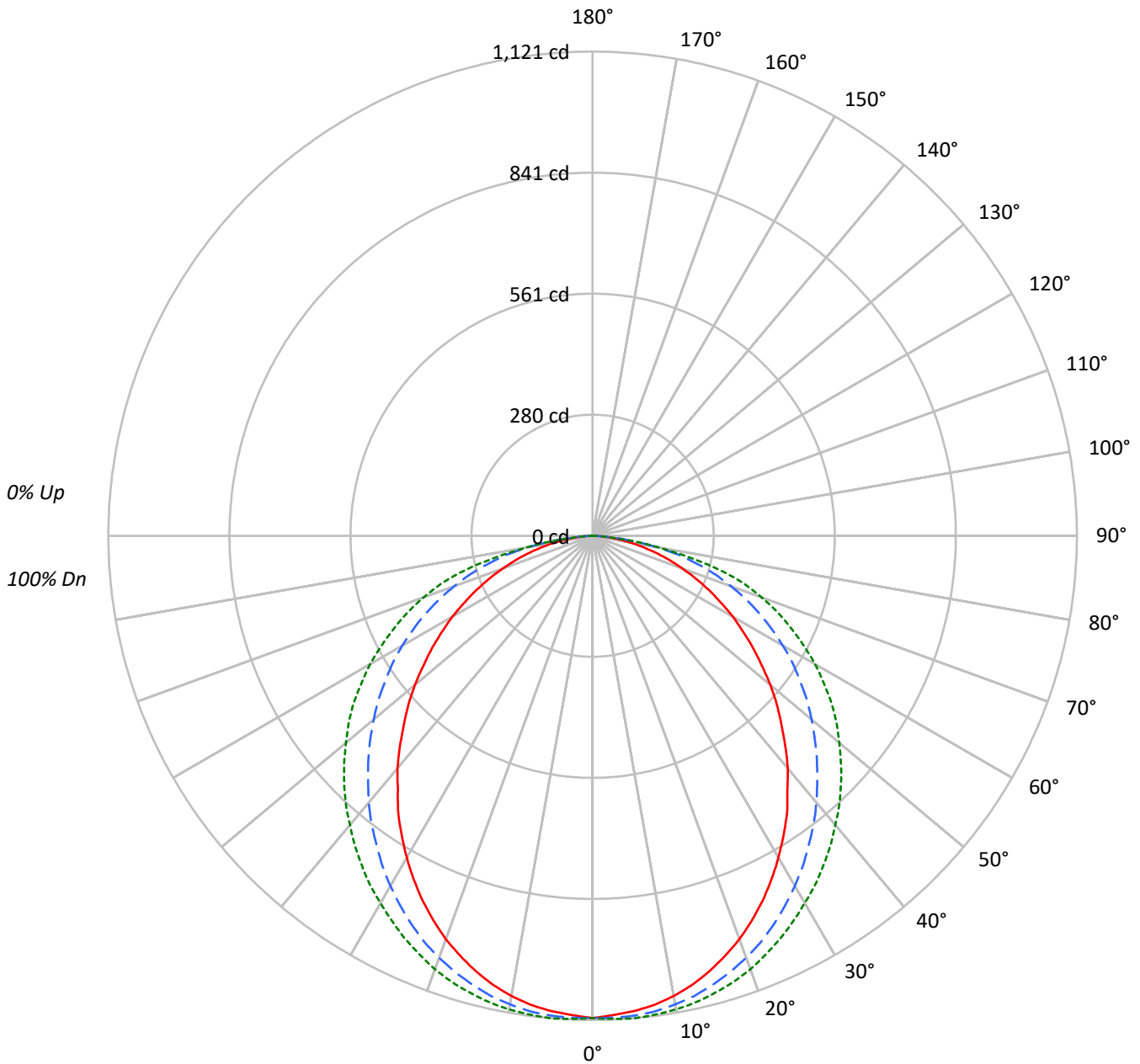
Lumens per Lamp: N/A
Luminaire Lumens: 3197.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	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	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43																			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3169	3169	3169
5°	3146	3177	3194
10°	3117	3174	3209
15°	3067	3160	3218
20°	3001	3139	3225
25°	2917	3107	3221
30°	2819	3067	3217
35°	2718	3022	3227
40°	2603	2985	3237
45°	2478	2947	3263
50°	2371	2920	3289
55°	2245	2898	3341
60°	2128	2885	3376
65°	1987	2863	3403
70°	1826	2820	3449
75°	1648	2745	3326
80°	1415	2430	2505
85°	1139	1436	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.3
10°-20°	302.7	9.5
20°-30°	454.6	14.2
30°-40°	542.2	17.0
40°-50°	560.6	17.5
50°-60°	515.4	16.1
60°-70°	410.3	12.8
70°-80°	250.7	7.8
80°-90°	54.6	1.7
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°	863.2	27.0
0°-40°	1405.4	44.0
0°-60°	2481.4	77.6
0°-90°	3197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1117	1117	1117	1117	1117	
5°	1105	1108	1115	1120	1121	105
15°	1044	1056	1076	1091	1096	294
25°	932	954	992	1020	1029	429
35°	784	818	872	918	932	489
45°	618	662	734	794	813	478
55°	454	504	586	652	675	406
65°	296	346	426	486	507	293
75°	150	194	250	294	303	160
85°	35	42	44	38	35	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1116.7	1116.7	1116.7	1116.7	1116.7
2.5°	1110.6	1112.2	1116.7	1119.7	1119.7
5°	1104.6	1107.6	1115.3	1119.7	1121.3
7.5°	1095.5	1100.1	1110.6	1116.7	1118.3
10°	1081.9	1088.0	1101.5	1110.6	1113.7
12.5°	1065.1	1074.2	1091.0	1103.1	1106.2
15°	1043.9	1056.0	1075.8	1091.0	1095.5
17.5°	1019.6	1034.8	1059.0	1077.2	1083.3
20°	993.9	1009.1	1039.4	1060.7	1068.1
22.5°	963.6	983.2	1018.2	1042.4	1048.5
25°	931.6	954.4	992.3	1019.6	1028.7
27.5°	896.8	924.1	965.0	998.3	1006.0
30°	860.4	889.1	936.2	972.7	981.8
32.5°	822.3	855.7	905.9	946.8	958.9
35°	784.5	817.9	872.5	918.0	931.6
37.5°	740.4	779.9	840.6	887.7	904.3
40°	702.6	740.4	805.8	857.3	873.9
42.5°	660.1	701.0	769.3	825.4	845.2
45°	617.6	661.5	734.3	793.6	813.2
47.5°	578.2	622.1	697.9	760.2	779.9
50°	537.1	582.6	661.5	725.2	745.1
52.5°	493.2	543.2	625.1	688.8	711.7
55°	453.8	503.7	585.7	652.4	675.3
57.5°	412.7	464.3	549.2	613.0	634.2
60°	374.9	424.8	508.4	570.5	594.8
62.5°	333.8	385.4	467.3	528.0	550.9
65°	296.0	345.9	426.4	485.5	506.8
67.5°	257.9	308.1	384.0	440.0	464.3
70°	220.1	270.1	339.9	394.5	415.7
72.5°	186.7	230.6	297.4	347.6	367.2
75°	150.3	194.2	250.4	294.3	303.4
77.5°	116.9	156.4	203.3	223.1	226.2
80°	86.6	116.9	148.7	153.3	153.3
82.5°	57.7	80.5	92.7	94.1	92.7
85°	35.0	42.5	44.1	38.0	35.0
87.5°	12.1	12.1	7.7	4.7	1.6
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)