

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: P732031

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732031  
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-2700K  
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

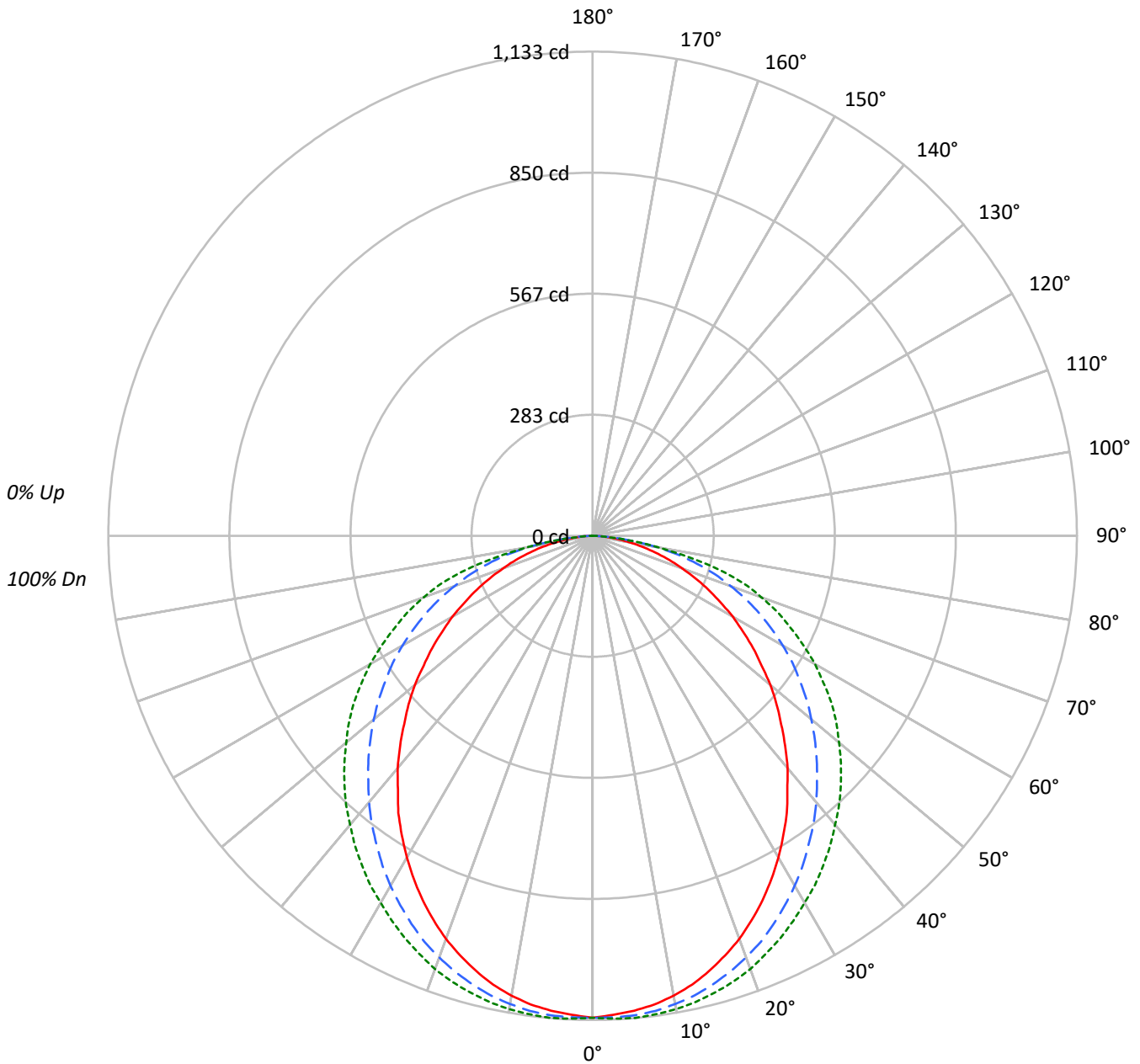
Lumens per Lamp: N/A  
Luminaire Lumens: 3229.0 lumens  
Efficiency: N/A  
Efficacy: 107.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 30  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3200	3200	3200
5°	3178	3208	3226
10°	3148	3205	3241
15°	3097	3192	3250
20°	3031	3170	3258
25°	2946	3138	3253
30°	2847	3098	3249
35°	2745	3053	3259
40°	2628	3014	3270
45°	2503	2976	3296
50°	2395	2949	3322
55°	2267	2926	3374
60°	2149	2914	3409
65°	2007	2892	3436
70°	1844	2848	3484
75°	1664	2774	3360
80°	1430	2454	2531
85°	1149	1449	1149



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.9	3.3
10°-20°	305.7	9.5
20°-30°	459.2	14.2
30°-40°	547.6	17.0
40°-50°	566.2	17.5
50°-60°	520.5	16.1
60°-70°	414.4	12.8
70°-80°	253.2	7.8
80°-90°	55.1	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°	871.8	27.0
0°-40°	1419.5	44.0
0°-60°	2506.2	77.6
0°-90°	3229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3229.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1116	1119	1126	1131	1133	106
15°	1054	1067	1087	1102	1106	297
25°	941	964	1002	1030	1039	433
35°	792	826	881	927	941	494
45°	624	668	742	802	821	482
55°	458	509	592	659	682	410
65°	299	349	431	490	512	296
75°	152	196	253	297	306	162
85°	35	43	44	38	35	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1127.9	1127.9	1127.9	1127.9	<i>1127.9</i>
2.5°	1121.7	1123.4	1127.9	1130.9	<i>1130.9</i>
5°	<i>1115.6</i>	<i>1118.7</i>	<i>1126.4</i>	<i>1130.9</i>	<i>1132.6</i>
7.5°	1106.4	1111.1	1121.7	1127.9	<i>1129.5</i>
10°	1092.7	1098.9	1112.5	1121.7	<i>1124.8</i>
12.5°	1075.8	1085.0	1101.9	1114.2	<i>1117.2</i>
15°	1054.3	1066.6	1086.6	1101.9	<i>1106.4</i>
17.5°	1029.8	1045.1	1069.6	1088.0	<i>1094.2</i>
20°	1003.8	1019.2	1049.8	1071.3	<i>1078.8</i>
22.5°	973.2	993.0	1028.4	1052.9	<i>1059.0</i>
25°	940.9	964.0	1002.2	1029.8	<i>1039.0</i>
27.5°	905.8	933.4	974.6	1008.3	<i>1016.1</i>
30°	869.0	898.0	945.6	982.4	<i>991.6</i>
32.5°	830.6	864.3	915.0	956.2	<i>968.5</i>
35°	792.4	826.1	881.3	927.2	<i>940.9</i>
37.5°	747.8	787.7	849.0	896.6	<i>913.3</i>
40°	709.6	747.8	813.8	865.9	<i>882.7</i>
42.5°	666.7	708.0	777.0	833.6	<i>853.7</i>
45°	623.8	668.1	741.7	801.6	<i>821.4</i>
47.5°	584.0	628.3	704.9	767.9	<i>787.7</i>
50°	542.5	588.5	668.1	732.5	<i>752.5</i>
52.5°	498.1	548.6	631.4	695.7	<i>718.8</i>
55°	458.3	508.8	591.5	658.9	<i>682.0</i>
57.5°	416.8	468.9	554.7	619.1	<i>640.6</i>
60°	378.6	429.1	513.5	576.2	<i>600.7</i>
62.5°	337.1	389.2	472.0	533.3	<i>556.4</i>
65°	298.9	349.4	430.7	490.4	<i>511.8</i>
67.5°	260.5	311.2	387.8	444.4	<i>468.9</i>
70°	222.3	272.8	343.3	398.4	<i>419.9</i>
72.5°	188.6	232.9	300.4	351.0	<i>370.8</i>
75°	151.8	196.2	253.0	297.3	<i>306.5</i>
77.5°	118.1	157.9	205.3	225.4	<i>228.4</i>
80°	87.5	118.1	150.2	154.9	<i>154.9</i>
82.5°	58.2	81.3	93.6	95.0	<i>93.6</i>
85°	35.3	42.9	44.5	38.4	<i>35.3</i>
87.5°	12.3	12.3	7.8	4.7	<i>1.6</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG







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







(END OF REPORT)