

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: P732064

Luminaire Tested: **22CZ2-44HE-B2750-W2D-4000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732064  
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: 22CZ2-44HE-B2750-W2D-4000K  
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

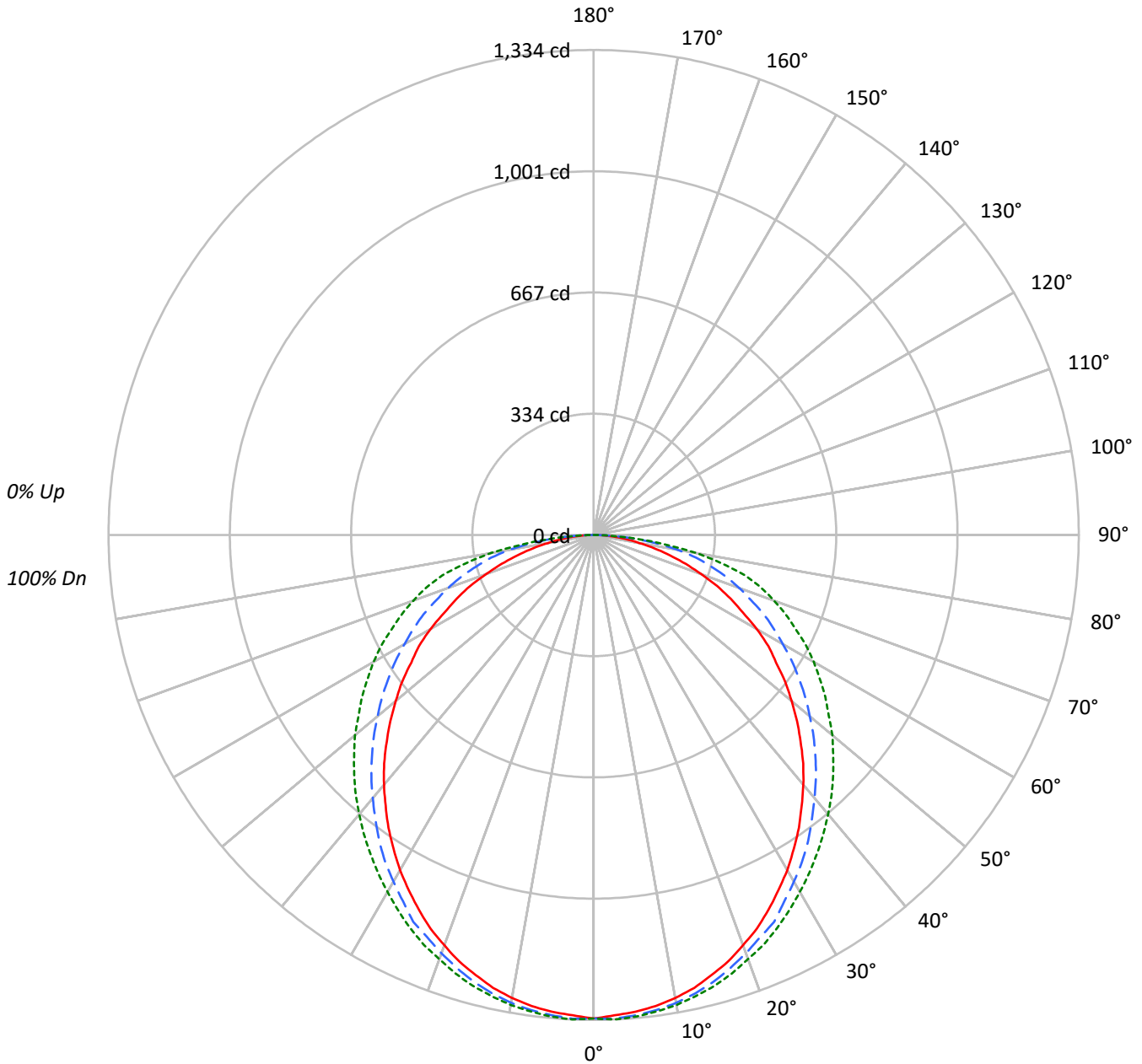
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3912.0 lumens  
Efficiency: N/A  
Efficacy: 108.7 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): 36  
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°	3774	3774	3774
5°	3750	3778	3789
10°	3727	3766	3782
15°	3681	3738	3772
20°	3627	3697	3749
25°	3562	3676	3737
30°	3488	3608	3715
35°	3407	3561	3708
40°	3323	3500	3715
45°	3229	3461	3738
50°	3136	3424	3782
55°	3029	3410	3847
60°	2939	3408	3965
65°	2791	3464	4110
70°	2604	3529	4376
75°	2386	3652	4727
80°	2077	3806	4655
85°	1820	3383	3702



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.8	3.2
10°-20°	358.3	9.2
20°-30°	537.9	13.7
30°-40°	642.7	16.4
40°-50°	668.3	17.1
50°-60°	619.4	15.8
60°-70°	508.1	13.0
70°-80°	343.5	8.8
80°-90°	108.0	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°	1022.0	26.1
0°-40°	1664.7	42.6
0°-60°	2952.4	75.5
0°-90°	3912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3912.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1330	1330	1330	1330	1330	
5°	1317	1318	1326	1328	1330	125
15°	1253	1259	1272	1280	1284	353
25°	1138	1147	1174	1188	1194	524
35°	984	997	1028	1059	1070	615
45°	805	820	862	912	932	621
55°	612	631	689	751	778	550
65°	416	439	516	583	612	411
75°	218	254	333	400	431	231
85°	56	77	104	116	114	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1330.1	1330.1	1330.1	<i>1330.1</i>	1330.1
2.5°	<i>1322.5</i>	<i>1326.2</i>	<i>1332.0</i>	<i>1334.1</i>	<i>1334.1</i>
5°	1316.7	1318.5	1326.2	<i>1328.3</i>	1330.1
7.5°	1306.9	1310.9	1318.5	<i>1320.6</i>	1322.5
10°	1293.5	1297.4	1306.9	<i>1310.9</i>	1312.7
12.5°	1276.3	1280.0	1291.6	<i>1297.4</i>	1299.3
15°	1253.1	1258.9	1272.4	<i>1280.0</i>	1284.0
17.5°	1230.1	1235.7	1249.4	<i>1260.8</i>	1264.7
20°	1201.1	1214.6	1224.3	<i>1239.7</i>	1241.5
22.5°	1172.4	1180.0	1197.2	<i>1212.7</i>	1220.4
25°	1137.6	1147.3	1174.2	<i>1187.7</i>	1193.5
27.5°	1101.2	1114.6	1135.7	<i>1156.8</i>	1164.5
30°	1064.5	1074.0	1101.2	<i>1126.0</i>	1133.9
32.5°	1024.1	1037.6	1066.4	<i>1091.4</i>	1103.0
35°	983.6	997.0	1027.9	<i>1058.7</i>	1070.3
37.5°	939.5	954.8	985.6	<i>1022.1</i>	1037.6
40°	897.0	908.6	945.0	<i>989.4</i>	1002.8
42.5°	852.7	866.2	904.7	<i>952.9</i>	968.2
45°	804.7	820.0	862.5	<i>912.3</i>	931.6
47.5°	758.3	773.9	820.0	<i>870.1</i>	893.1
50°	710.3	729.5	775.7	<i>833.5</i>	856.7
52.5°	664.1	681.5	733.5	<i>793.1</i>	814.2
55°	612.2	631.4	689.2	<i>750.7</i>	777.6
57.5°	569.7	583.2	646.7	<i>710.3</i>	737.2
60°	517.8	535.2	600.6	<i>667.8</i>	698.7
62.5°	462.1	490.8	558.1	<i>627.5</i>	658.3
65°	415.7	438.9	515.9	<i>583.2</i>	612.2
67.5°	367.7	392.7	467.7	<i>539.1</i>	571.8
70°	313.9	346.6	425.4	<i>496.6</i>	527.5
72.5°	265.6	300.4	381.1	<i>450.5</i>	483.2
75°	217.6	254.0	333.1	<i>400.4</i>	431.2
77.5°	171.4	211.8	288.8	<i>340.8</i>	360.0
80°	127.1	165.6	232.9	<i>269.5</i>	284.9
82.5°	88.6	121.3	171.4	<i>190.7</i>	194.4
85°	55.9	77.0	103.9	<i>115.5</i>	113.7
87.5°	25.1	30.9	38.5	<i>42.5</i>	40.4
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)