

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: P732061

Luminaire Tested: **22CZ2-44HE-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732061  
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-2700K  
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

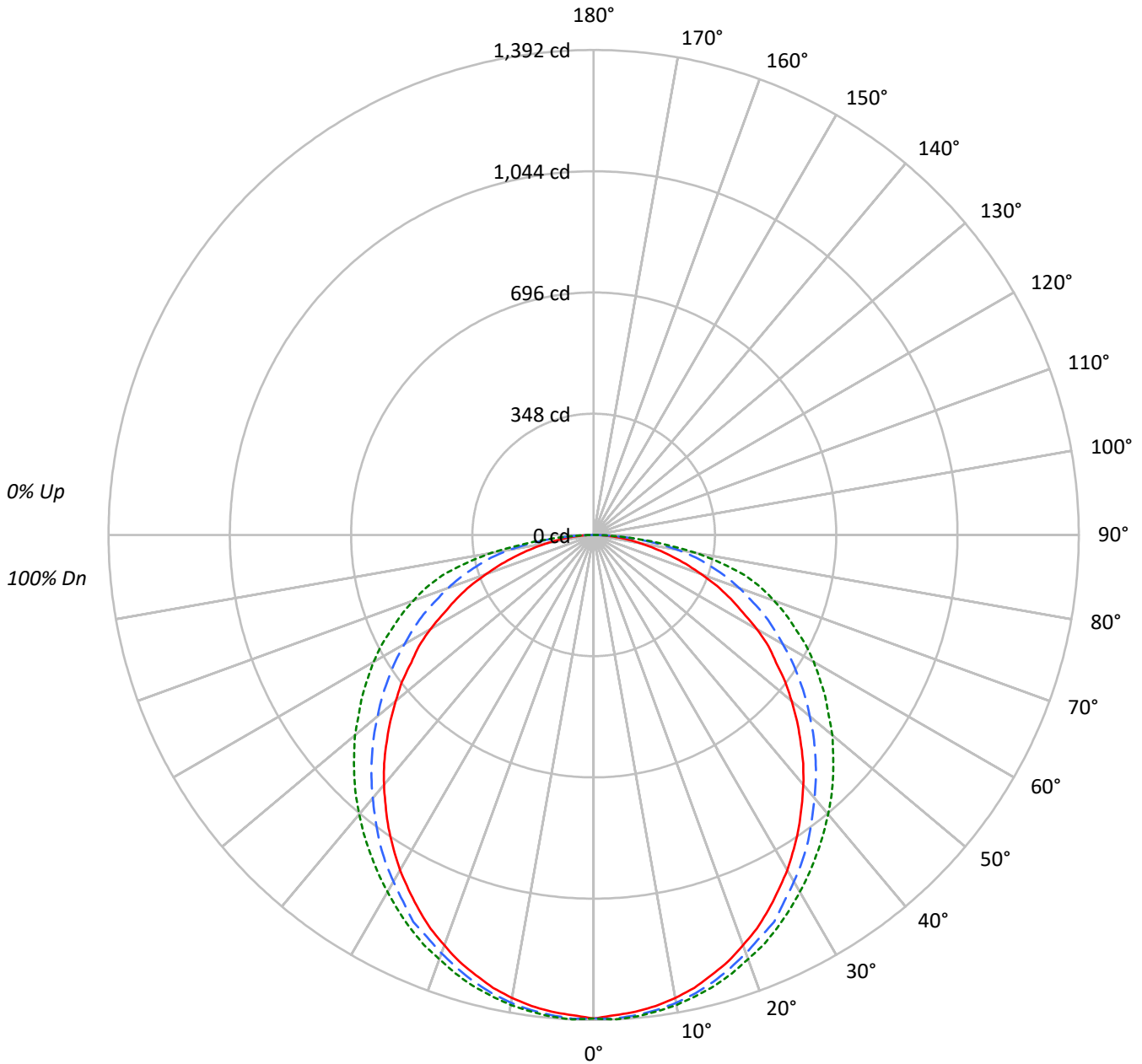
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4082.0 lumens  
Efficiency: N/A  
Efficacy: 113.4 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 (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	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°	3938	3938	3938
5°	3913	3942	3953
10°	3889	3929	3947
15°	3841	3900	3936
20°	3785	3858	3912
25°	3716	3836	3899
30°	3640	3765	3876
35°	3555	3715	3869
40°	3467	3653	3876
45°	3370	3611	3901
50°	3272	3573	3946
55°	3160	3557	4014
60°	3066	3557	4138
65°	2913	3614	4289
70°	2717	3683	4566
75°	2489	3811	4934
80°	2167	3971	4856
85°	1898	3529	3861



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	3.2
10°-20°	373.9	9.2
20°-30°	561.3	13.7
30°-40°	670.6	16.4
40°-50°	697.4	17.1
50°-60°	646.4	15.8
60°-70°	530.2	13.0
70°-80°	358.4	8.8
80°-90°	112.7	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°	1066.4	26.1
0°-40°	1737.0	42.6
0°-60°	3080.7	75.5
0°-90°	4082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4082.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1388	1388	1388	1388	1388	
5°	1374	1376	1384	1386	1388	130
15°	1308	1314	1328	1336	1340	369
25°	1187	1197	1225	1239	1245	547
35°	1026	1040	1072	1105	1117	642
45°	840	856	900	952	972	648
55°	639	659	719	783	811	574
65°	434	458	538	608	639	429
75°	227	265	348	418	450	241
85°	58	80	108	120	119	66
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1387.9	1387.9	1387.9	<i>1387.9</i>	1387.9
2.5°	<i>1379.9</i>	<i>1383.8</i>	<i>1389.9</i>	<i>1392.0</i>	<i>1392.0</i>
5°	1373.9	1375.8	1383.8	<i>1386.0</i>	1387.9
7.5°	1363.7	1367.8	1375.8	<i>1378.0</i>	1379.9
10°	1349.7	1353.8	1363.7	<i>1367.8</i>	1369.8
12.5°	1331.8	1335.6	1347.7	<i>1353.8</i>	1355.7
15°	1307.6	1313.6	1327.6	<i>1335.6</i>	1339.8
17.5°	1283.6	1289.4	1303.7	<i>1315.5</i>	1319.7
20°	1253.3	1267.4	1277.5	<i>1293.5</i>	1295.5
22.5°	1223.3	1231.3	1249.2	<i>1265.4</i>	1273.4
25°	1187.0	1197.2	1225.3	<i>1239.3</i>	1245.4
27.5°	1149.0	1163.1	1185.1	<i>1207.1</i>	1215.1
30°	1110.8	1120.7	1149.0	<i>1174.9</i>	1183.1
32.5°	1068.7	1082.7	1112.7	<i>1138.8</i>	1151.0
35°	1026.3	1040.3	1072.5	<i>1104.7</i>	1116.8
37.5°	980.3	996.3	1028.5	<i>1066.5</i>	1082.7
40°	936.0	948.1	986.1	<i>1032.3</i>	1046.4
42.5°	889.8	903.8	944.0	<i>994.3</i>	1010.3
45°	839.7	855.7	899.9	<i>952.0</i>	972.1
47.5°	791.3	807.5	855.7	<i>907.9</i>	931.9
50°	741.2	761.3	809.4	<i>869.7</i>	893.9
52.5°	693.0	711.1	765.4	<i>827.6</i>	849.6
55°	638.8	658.9	719.1	<i>783.3</i>	811.4
57.5°	594.5	608.5	674.8	<i>741.2</i>	769.2
60°	540.3	558.4	626.7	<i>696.9</i>	729.1
62.5°	482.2	512.2	582.4	<i>654.7</i>	686.9
65°	433.8	458.0	538.3	<i>608.5</i>	638.8
67.5°	383.7	409.8	488.0	<i>562.5</i>	596.7
70°	327.5	361.6	443.9	<i>518.2</i>	550.4
72.5°	277.1	313.5	397.7	<i>470.1</i>	504.2
75°	227.0	265.0	347.6	<i>417.8</i>	450.0
77.5°	178.9	221.0	301.4	<i>355.6</i>	375.7
80°	132.6	172.8	243.0	<i>281.3</i>	297.2
82.5°	92.5	126.6	178.9	<i>199.0</i>	202.8
85°	58.3	80.4	108.4	<i>120.5</i>	118.6
87.5°	26.1	32.2	40.2	<i>44.3</i>	42.1
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)