

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: P880957

Luminaire Tested: **24CZ2-60VHE-RDP-B2750-W2D-2700K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P880957  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474311)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-60VHE-RDP-B2750-W2D-2700K  
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

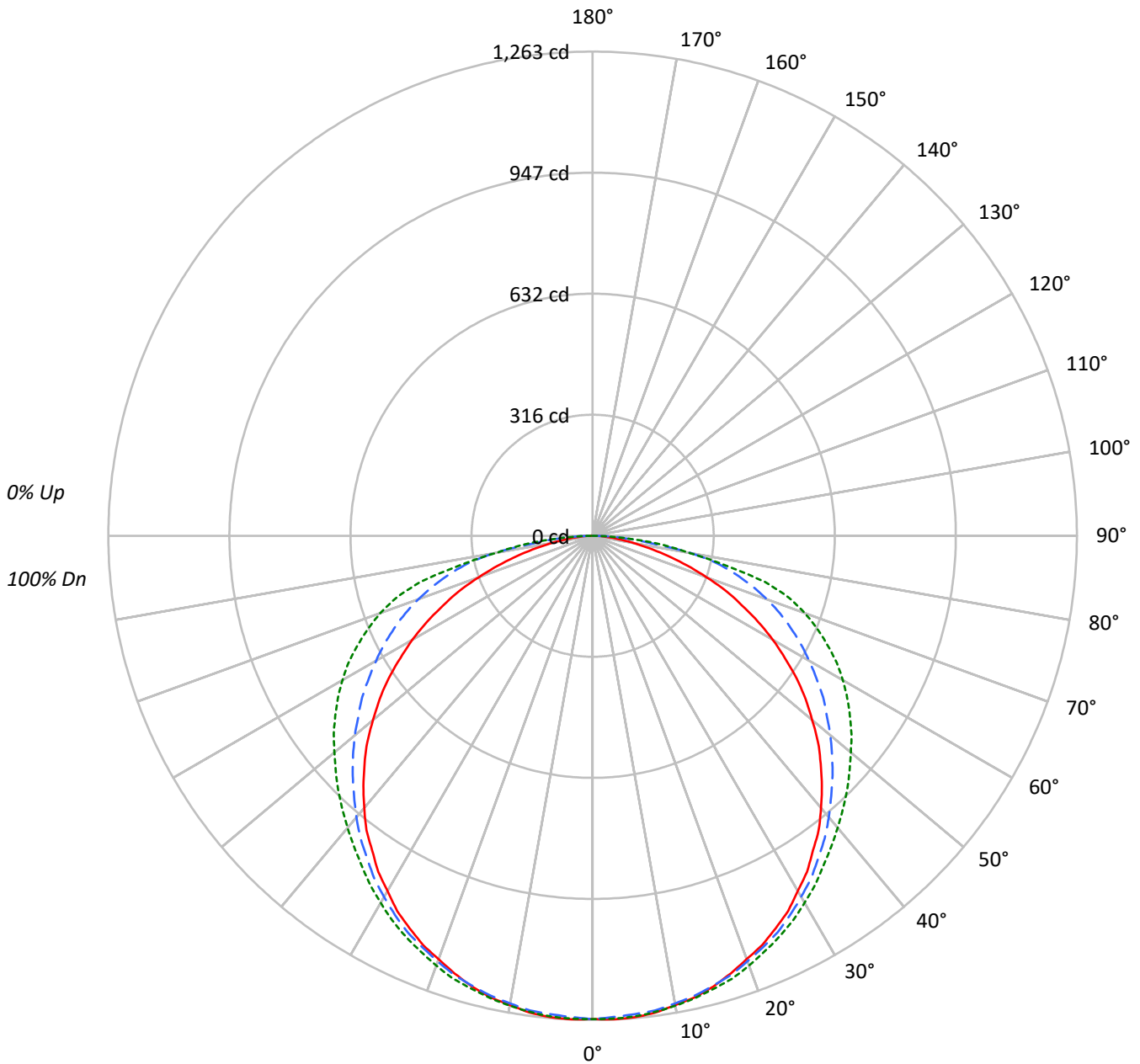
Lumens per Lamp: N/A  
Luminaire Lumens: 4009.0 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 47  
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					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	100	96	92	96	93	89	92	89	87	88	86	84	82								
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67								
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56								
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47								
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35								
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27								
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24								
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1779	1779	1779
5°	1786	1775	1783
10°	1781	1775	1784
15°	1778	1775	1787
20°	1765	1774	1792
25°	1759	1777	1796
30°	1743	1773	1802
35°	1727	1768	1809
40°	1708	1766	1832
45°	1679	1766	1873
50°	1641	1777	1930
55°	1600	1806	2016
60°	1532	1841	2127
65°	1434	1906	2258
70°	1304	1994	2428
75°	1105	2104	2538
80°	873	2116	2051
85°	644	1610	1806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.6	3.0
10°-20°	344.2	8.6
20°-30°	526.3	13.1
30°-40°	643.4	16.0
40°-50°	685.8	17.1
50°-60°	655.7	16.4
60°-70°	555.4	13.9
70°-80°	373.3	9.3
80°-90°	105.3	2.6
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°	990.1	24.7
0°-40°	1633.5	40.7
0°-60°	2974.9	74.2
0°-90°	4009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4009.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1261	1261	1261	1261	1261	
5°	1261	1259	1253	1259	1259	120
15°	1217	1217	1215	1225	1223	343
25°	1130	1133	1141	1151	1153	521
35°	1002	1010	1026	1046	1050	628
45°	841	855	885	923	938	649
55°	650	674	734	792	819	579
65°	430	473	571	646	676	426
75°	203	276	386	452	465	217
85°	40	82	99	107	112	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1260.8	1260.8	1260.8	1260.8	1260.8
2.5°	1262.7	1262.7	1256.7	1260.8	1260.8
5°	1260.8	1258.8	1252.8	1258.8	1258.8
7.5°	1254.8	1252.8	1248.7	1254.8	1252.8
10°	1242.9	1242.9	1238.8	1244.9	1244.9
12.5°	1232.8	1230.9	1228.9	1236.9	1235.0
15°	1216.9	1216.9	1215.0	1224.9	1222.9
17.5°	1197.1	1199.0	1201.2	1209.1	1211.1
20°	1175.2	1179.2	1181.2	1193.2	1193.2
22.5°	1155.4	1157.3	1161.4	1173.2	1173.2
25°	1129.5	1133.4	1141.4	1151.3	1153.4
27.5°	1103.5	1105.6	1115.5	1129.5	1131.5
30°	1069.7	1075.7	1087.8	1103.5	1105.6
32.5°	1040.0	1045.8	1059.8	1075.7	1079.8
35°	1002.1	1010.1	1026.0	1045.8	1049.9
37.5°	968.4	974.2	994.2	1016.1	1022.0
40°	926.8	938.5	958.5	984.3	994.2
42.5°	884.9	896.9	920.8	954.4	966.2
45°	841.2	855.2	884.9	922.7	938.5
47.5°	797.5	813.4	847.2	890.9	908.7
50°	747.6	767.6	809.3	859.0	879.0
52.5°	700.0	723.9	769.5	825.3	851.1
55°	650.1	674.0	733.8	791.5	819.2
57.5°	594.6	626.2	692.0	757.7	787.4
60°	542.9	572.6	652.2	723.9	753.6
62.5°	487.2	527.0	612.4	688.0	717.9
65°	429.5	473.4	570.7	646.2	676.1
67.5°	377.9	425.6	528.9	604.5	634.2
70°	316.1	375.7	483.3	558.6	588.5
72.5°	258.4	324.1	435.5	509.1	536.9
75°	202.7	276.3	385.8	451.5	465.4
77.5°	151.3	228.5	334.0	361.9	352.0
80°	107.4	183.1	260.4	246.4	252.4
82.5°	69.7	139.2	161.2	183.1	188.7
85°	39.8	81.6	99.4	107.4	111.5
87.5°	17.9	29.9	39.8	39.8	37.9
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)