

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: P732361

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-60HE-B2750-W2D-2700K  
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

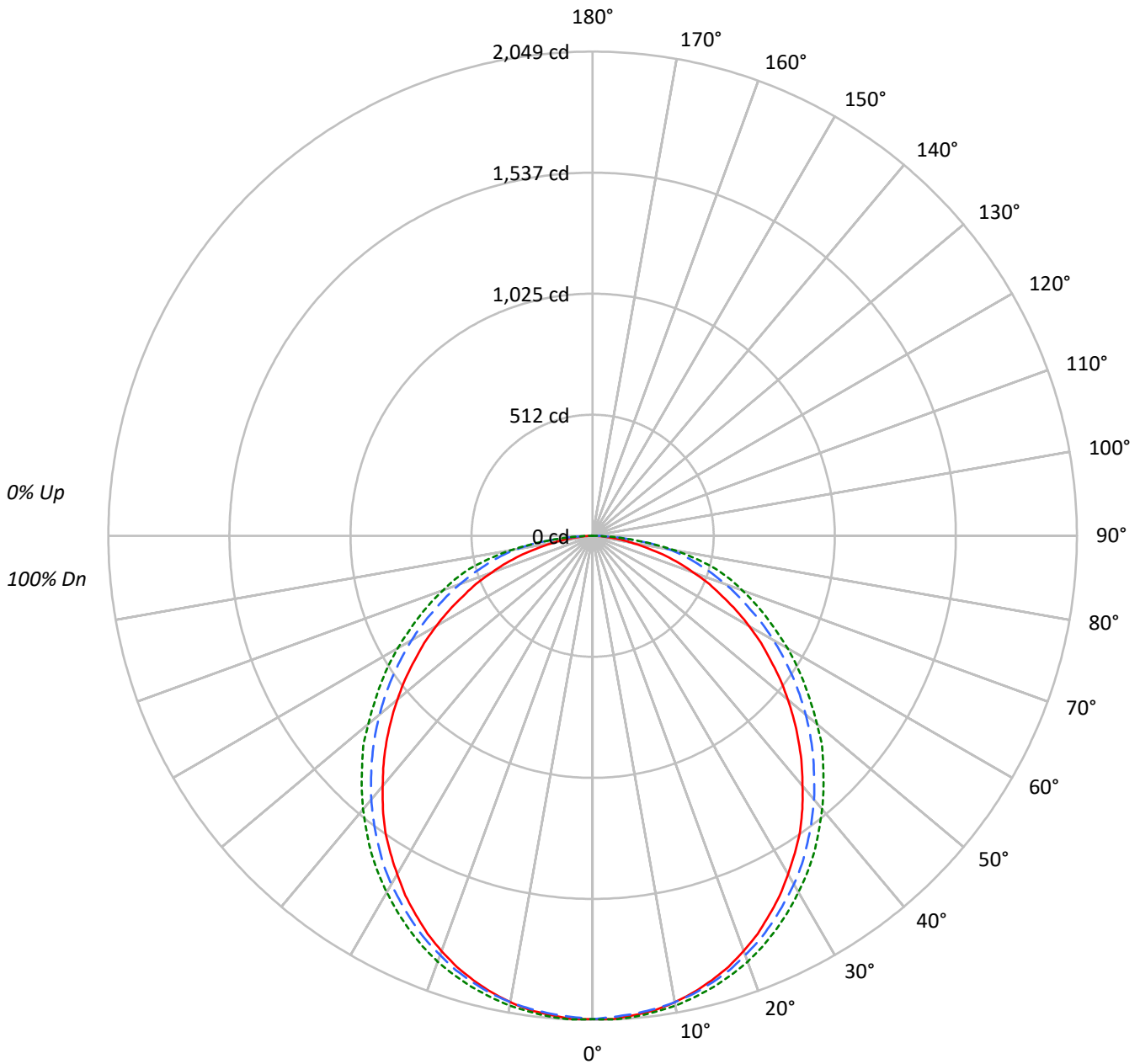
Lumens per Lamp: N/A  
Luminaire Lumens: 5822.0 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 45  
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	70	56	47	40	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°	2887	2887	2887
5°	2884	2877	2895
10°	2873	2873	2894
15°	2845	2859	2889
20°	2808	2836	2880
25°	2756	2808	2863
30°	2694	2776	2839
35°	2635	2731	2817
40°	2545	2685	2784
45°	2462	2632	2754
50°	2367	2583	2721
55°	2262	2535	2694
60°	2156	2495	2688
65°	2019	2452	2705
70°	1869	2465	2778
75°	1674	2511	2934
80°	1352	2660	2871
85°	1017	2335	2277



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.6	3.3
10°-20°	553.3	9.5
20°-30°	831.7	14.3
30°-40°	990.7	17.0
40°-50°	1013.9	17.4
50°-60°	912.8	15.7
60°-70°	716.9	12.3
70°-80°	465.3	8.0
80°-90°	143.9	2.5
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°	1578.6	27.1
0°-40°	2569.3	44.1
0°-60°	4496.0	77.2
0°-90°	5822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5822.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2045	2045	2045	2045	2045	
5°	2036	2040	2030	2042	2043	193
15°	1947	1953	1956	1973	1977	549
25°	1770	1784	1803	1833	1838	815
35°	1529	1548	1585	1624	1635	954
45°	1234	1263	1319	1368	1380	951
55°	919	960	1030	1084	1095	824
65°	605	651	734	795	810	602
75°	307	366	460	523	538	325
85°	63	116	144	141	141	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2045.4	2045.4	2045.4	2045.4	2045.4
2.5°	2047.2	2047.2	2037.8	2047.2	2049.0
5°	2036.0	2039.8	2030.5	2041.6	2043.4
7.5°	2024.9	2024.9	2019.3	2030.5	2032.5
10°	2004.6	2006.4	2004.6	2017.6	2019.3
12.5°	1978.8	1982.3	1984.4	1997.3	1999.1
15°	1947.4	1952.9	1956.5	1973.2	1977.0
17.5°	1912.2	1917.7	1926.9	1945.4	1949.1
20°	1869.6	1877.0	1888.1	1912.2	1917.7
22.5°	1823.5	1830.8	1849.3	1871.4	1880.7
25°	1769.8	1784.5	1803.0	1832.6	1838.2
27.5°	1716.1	1729.0	1753.1	1784.5	1792.1
30°	1653.3	1673.5	1703.2	1734.6	1741.9
32.5°	1592.2	1612.5	1647.7	1681.1	1690.2
35°	1529.4	1547.9	1584.9	1623.6	1634.8
37.5°	1457.2	1481.2	1522.0	1560.8	1571.9
40°	1381.4	1411.1	1457.2	1498.0	1510.9
42.5°	1309.2	1340.7	1387.0	1431.3	1446.0
45°	1233.5	1263.1	1318.6	1368.5	1379.6
47.5°	1155.7	1189.1	1248.2	1298.1	1316.6
50°	1078.2	1113.4	1176.2	1227.9	1239.1
52.5°	1000.4	1037.4	1104.0	1159.5	1165.1
55°	919.1	959.9	1030.1	1083.8	1094.9
57.5°	845.1	880.3	956.1	1011.6	1024.5
60°	763.8	802.6	883.9	935.8	952.3
62.5°	686.0	726.8	811.9	863.6	878.3
65°	604.7	651.1	734.2	795.2	809.9
67.5°	534.5	578.9	667.5	726.8	741.5
70°	453.0	503.1	597.4	658.4	673.1
72.5°	382.8	434.5	529.0	588.0	610.3
75°	307.0	366.1	460.5	523.4	538.1
77.5°	233.1	301.5	397.5	445.6	445.6
80°	166.4	238.6	327.3	349.6	353.2
82.5°	109.2	179.4	242.2	240.4	240.4
85°	62.8	116.5	144.2	140.6	140.6
87.5°	24.1	48.1	51.7	51.7	49.9
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)