

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: P732362

Luminaire Tested: **24CZ2-60HE-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732362  
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-3000K  
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

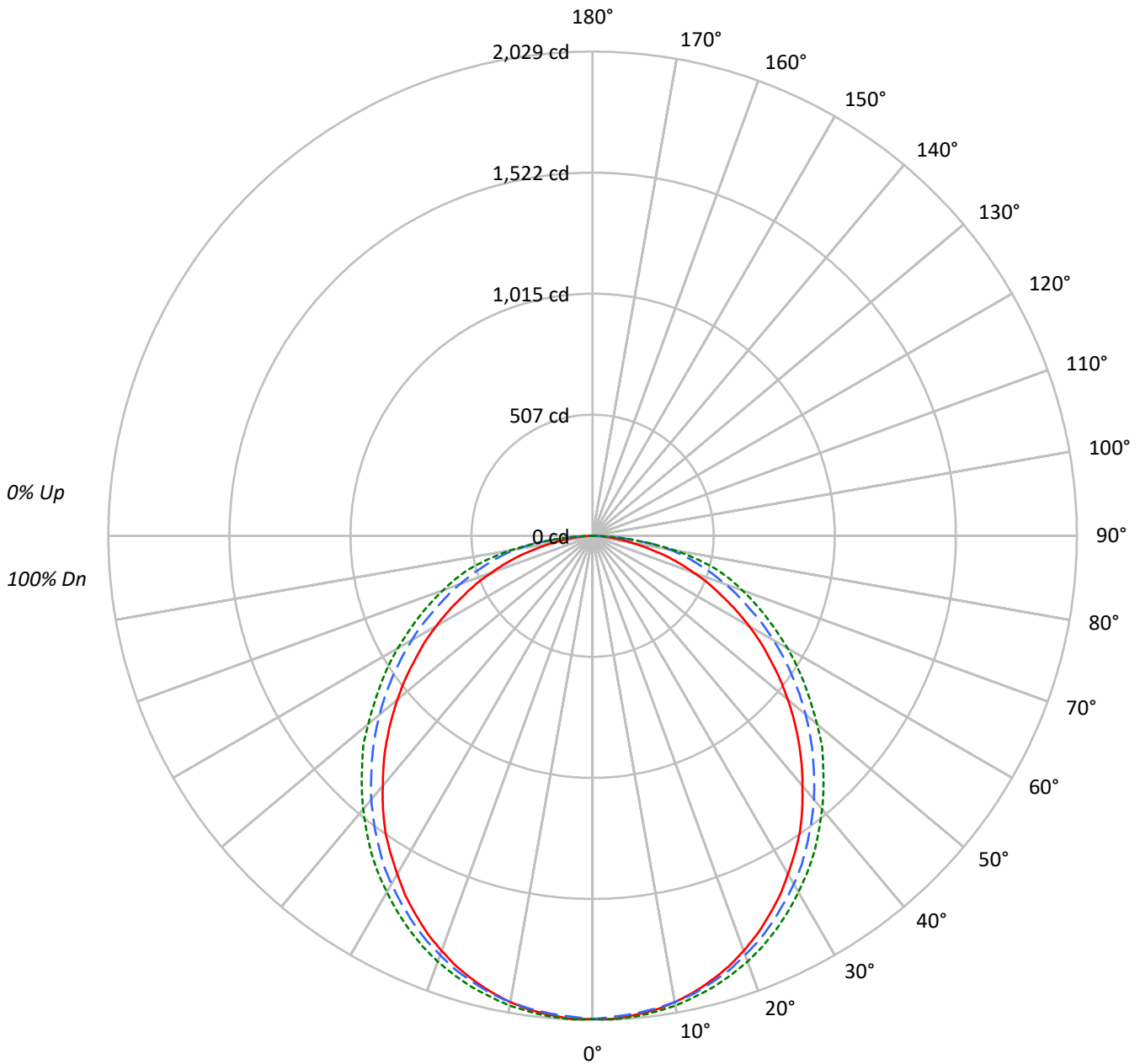
Lumens per Lamp: N/A  
Luminaire Lumens: 5764.0 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (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

TEST NUMBER: P732362

CATALOG NUMBER: 24CZ2-60HE-B2750-W2D-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P732362

CATALOG NUMBER: 24CZ2-60HE-B2750-W2D-3000K

**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	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°	2858	2858	2858
5°	2856	2848	2866
10°	2844	2844	2865
15°	2817	2830	2860
20°	2780	2808	2852
25°	2729	2780	2834
30°	2667	2748	2811
35°	2609	2703	2789
40°	2520	2658	2756
45°	2437	2606	2726
50°	2344	2557	2693
55°	2239	2509	2667
60°	2135	2470	2661
65°	1999	2427	2678
70°	1851	2440	2750
75°	1658	2487	2905
80°	1339	2633	2841
85°	1007	2311	2254



TEST NUMBER: P732362

CATALOG NUMBER: 24CZ2-60HE-B2750-W2D-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.7	3.3
10°-20°	547.8	9.5
20°-30°	823.4	14.3
30°-40°	980.8	17.0
40°-50°	1003.8	17.4
50°-60°	903.8	15.7
60°-70°	709.7	12.3
70°-80°	460.6	8.0
80°-90°	142.5	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°	1562.9	27.1
0°-40°	2543.7	44.1
0°-60°	4451.2	77.2
0°-90°	5764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5764.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2025	2025	2025	2025	2025	
5°	2016	2020	2010	2021	2023	192
15°	1928	1934	1937	1954	1957	544
25°	1752	1767	1785	1814	1820	807
35°	1514	1532	1569	1607	1618	945
45°	1221	1250	1306	1355	1366	941
55°	910	950	1020	1073	1084	816
65°	599	645	727	787	802	596
75°	304	362	456	518	533	322
85°	62	115	143	139	139	75
90°	0	0	0	0	0	



TEST NUMBER: P732362

CATALOG NUMBER: 24CZ2-60HE-B2750-W2D-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2025.0	2025.0	2025.0	2025.0	2025.0
2.5°	2026.8	2026.8	2017.5	2026.8	2028.6
5°	2015.8	2019.5	2010.2	2021.3	2023.0
7.5°	2004.7	2004.7	1999.2	2010.2	2012.2
10°	1984.7	1986.4	1984.7	1997.5	1999.2
12.5°	1959.1	1962.6	1964.6	1977.4	1979.1
15°	1928.0	1933.5	1937.0	1953.6	1957.3
17.5°	1893.1	1898.6	1907.7	1926.0	1929.7
20°	1851.0	1858.3	1869.3	1893.1	1898.6
22.5°	1805.3	1812.6	1830.9	1852.7	1862.0
25°	1752.2	1766.7	1785.0	1814.4	1819.9
27.5°	1699.0	1711.8	1735.6	1766.7	1774.2
30°	1636.8	1656.9	1686.2	1717.3	1724.6
32.5°	1576.3	1596.4	1631.3	1664.4	1673.4
35°	1514.1	1532.4	1569.1	1607.4	1618.5
37.5°	1442.7	1466.5	1506.9	1545.2	1556.3
40°	1367.7	1397.0	1442.7	1483.0	1495.8
42.5°	1296.2	1327.3	1373.2	1417.1	1431.6
45°	1221.2	1250.5	1305.5	1354.9	1365.9
47.5°	1144.2	1177.3	1235.8	1285.2	1303.5
50°	1067.4	1102.3	1164.5	1215.7	1226.7
52.5°	990.5	1027.1	1093.0	1148.0	1153.5
55°	909.9	950.3	1019.8	1073.0	1084.0
57.5°	836.7	871.6	946.6	1001.5	1014.3
60°	756.2	794.6	875.1	926.5	942.8
62.5°	679.2	719.6	803.8	855.0	869.6
65°	598.7	644.6	726.8	787.3	801.8
67.5°	529.2	573.1	660.9	719.6	734.1
70°	448.5	498.1	591.4	651.8	666.4
72.5°	379.0	430.2	523.7	582.1	604.2
75°	304.0	362.4	456.0	518.2	532.7
77.5°	230.7	298.5	393.5	441.2	441.2
80°	164.8	236.3	324.0	346.1	349.6
82.5°	108.1	177.6	239.8	238.0	238.0
85°	62.2	115.4	142.7	139.2	139.2
87.5°	23.8	47.6	51.2	51.2	49.4
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)