

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: P732365

Luminaire Tested: **24CZ2-60HE-B2750-W2D-5000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732365  
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-5000K  
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

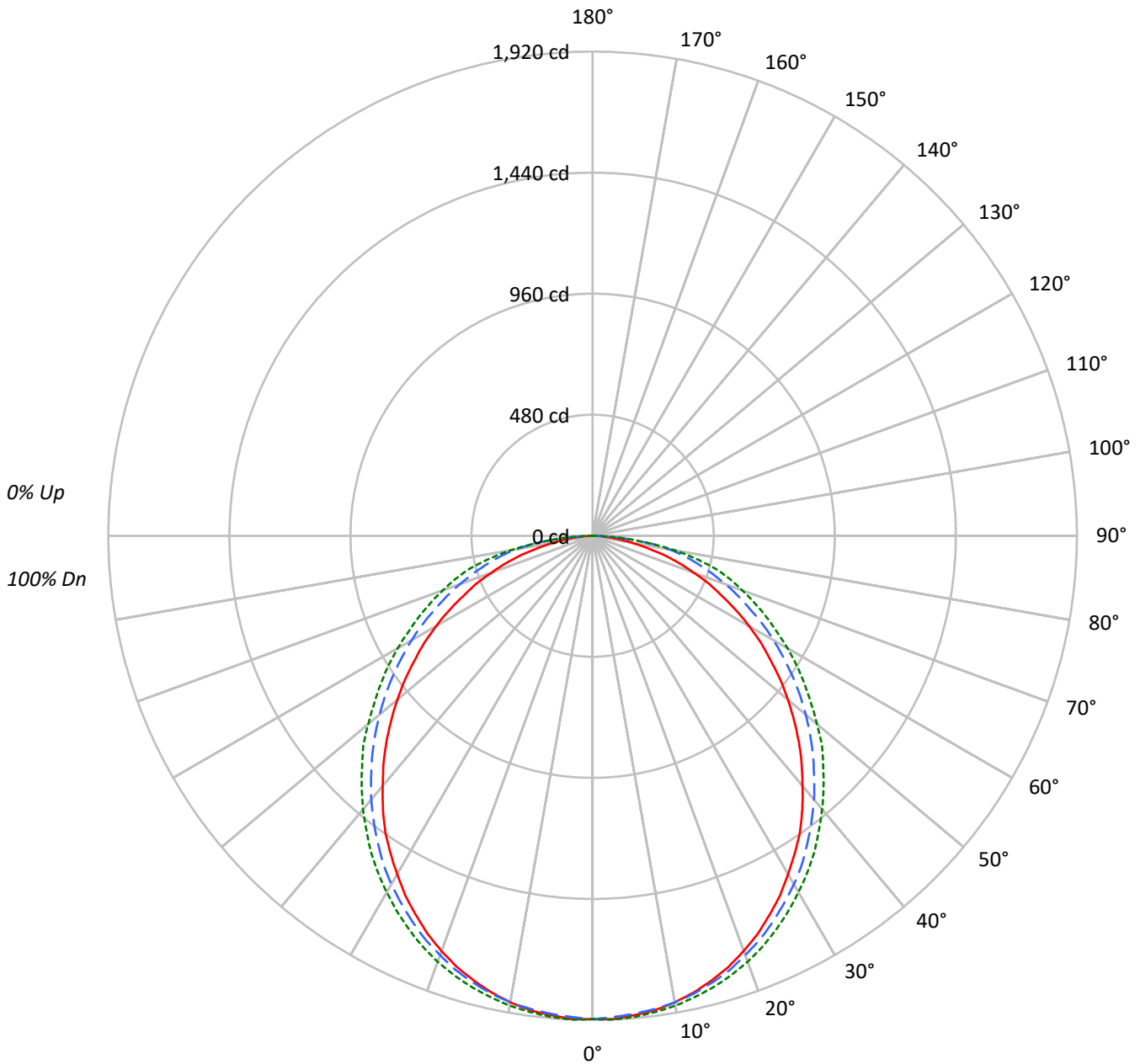
Lumens per Lamp: N/A  
Luminaire Lumens: 5456.0 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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

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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°	2705	2705	2705
5°	2703	2696	2713
10°	2692	2692	2712
15°	2666	2679	2707
20°	2632	2657	2699
25°	2583	2631	2683
30°	2525	2601	2660
35°	2469	2559	2640
40°	2385	2516	2609
45°	2307	2466	2581
50°	2218	2420	2550
55°	2119	2375	2525
60°	2020	2338	2519
65°	1893	2298	2535
70°	1752	2310	2603
75°	1569	2354	2750
80°	1268	2493	2690
85°	954	2188	2134



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.5	3.3
10°-20°	518.5	9.5
20°-30°	779.4	14.3
30°-40°	928.4	17.0
40°-50°	950.2	17.4
50°-60°	855.5	15.7
60°-70°	671.8	12.3
70°-80°	436.0	8.0
80°-90°	134.8	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°	1479.3	27.1
0°-40°	2407.7	44.1
0°-60°	4213.4	77.2
0°-90°	5456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5456.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1917	1917	1917	1917	1917	
5°	1908	1912	1903	1913	1915	181
15°	1825	1830	1834	1849	1853	515
25°	1658	1672	1690	1717	1723	764
35°	1433	1451	1485	1522	1532	894
45°	1156	1184	1236	1282	1293	891
55°	861	900	965	1016	1026	772
65°	567	610	688	745	759	564
75°	288	343	432	490	504	304
85°	59	109	135	132	132	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1916.8	1916.8	1916.8	1916.8	1916.8
2.5°	1918.5	1918.5	1909.7	1918.5	1920.2
5°	1908.0	1911.6	1902.8	1913.3	1914.9
7.5°	1897.6	1897.6	1892.4	1902.8	1904.7
10°	1878.6	1880.3	1878.6	1890.7	1892.4
12.5°	1854.4	1857.7	1859.6	1871.7	1873.4
15°	1824.9	1830.2	1833.5	1849.2	1852.7
17.5°	1792.0	1797.2	1805.7	1823.1	1826.6
20°	1752.1	1759.0	1769.4	1792.0	1797.2
22.5°	1708.8	1715.7	1733.1	1753.7	1762.5
25°	1658.5	1672.3	1689.6	1717.4	1722.6
27.5°	1608.2	1620.3	1642.9	1672.3	1679.4
30°	1549.3	1568.3	1596.1	1625.5	1632.4
32.5°	1492.1	1511.1	1544.1	1575.4	1584.0
35°	1433.2	1450.6	1485.2	1521.6	1532.0
37.5°	1365.6	1388.1	1426.3	1462.7	1473.1
40°	1294.6	1322.4	1365.6	1403.8	1415.9
42.5°	1226.9	1256.4	1299.8	1341.4	1355.1
45°	1155.9	1183.7	1235.7	1282.5	1292.9
47.5°	1083.1	1114.4	1169.7	1216.5	1233.8
50°	1010.4	1043.4	1102.3	1150.7	1161.2
52.5°	937.5	972.2	1034.6	1086.6	1091.8
55°	861.3	899.5	965.3	1015.6	1026.1
57.5°	792.0	825.0	896.0	948.0	960.1
60°	715.8	752.1	828.3	877.0	892.4
62.5°	642.9	681.1	760.9	809.3	823.1
65°	566.7	610.1	688.0	745.2	759.0
67.5°	500.9	542.5	625.6	681.1	694.9
70°	424.5	471.5	559.8	617.0	630.8
72.5°	358.7	407.2	495.7	551.0	571.9
75°	287.7	343.1	431.6	490.5	504.3
77.5°	218.4	282.5	372.5	417.6	417.6
80°	156.0	223.6	306.7	327.6	331.0
82.5°	102.3	168.1	227.0	225.3	225.3
85°	58.9	109.2	135.1	131.8	131.8
87.5°	22.6	45.1	48.4	48.4	46.8
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)