

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: P732376

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732376
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-S-B2750-W2D-2700K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

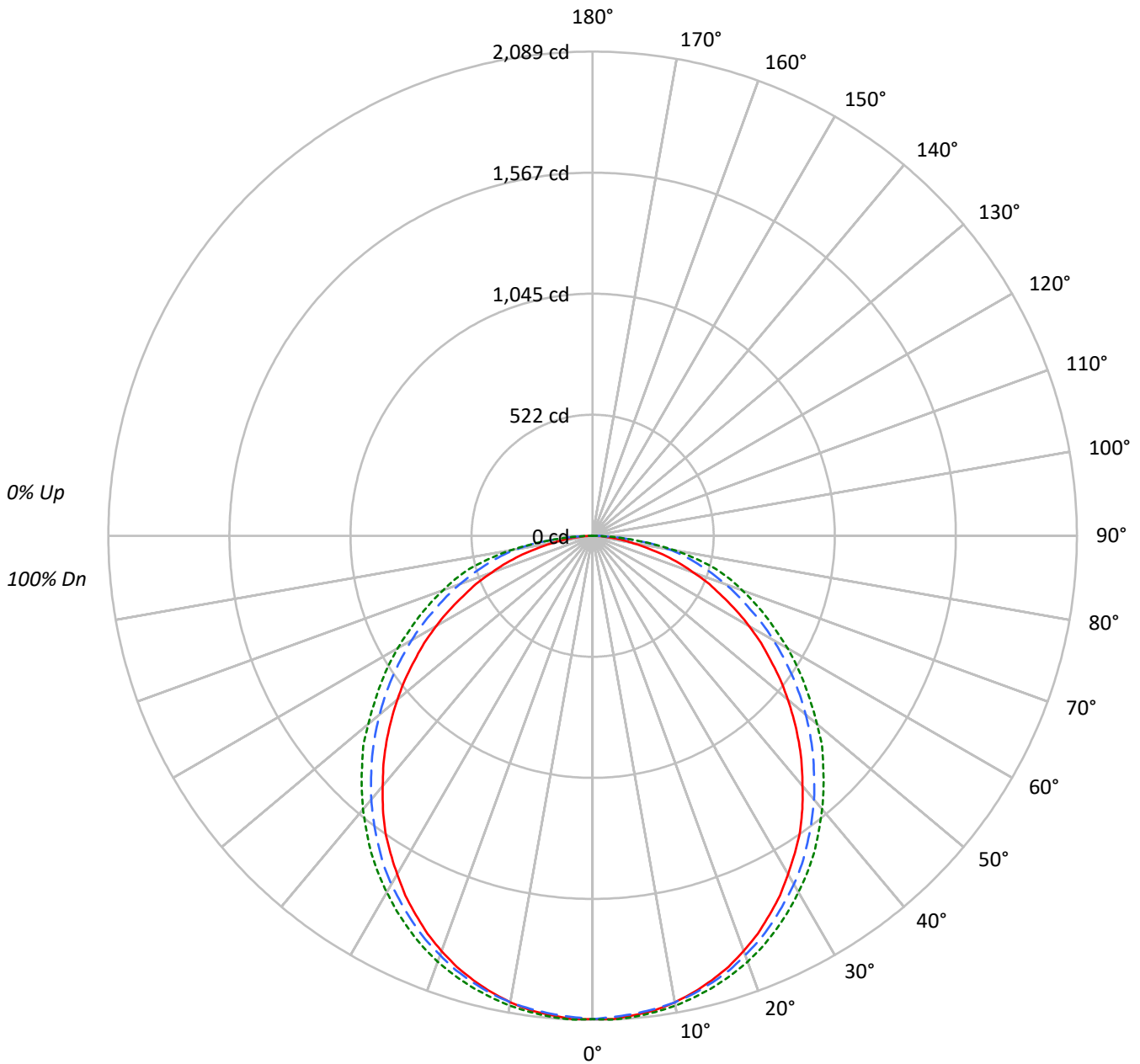
Lumens per Lamp: N/A
Luminaire Lumens: 5936.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 45
Input Voltage (V): NR
Input Current (A_{in}): 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°	2943	2943	2943
5°	2941	2933	2952
10°	2929	2929	2951
15°	2901	2915	2945
20°	2863	2891	2937
25°	2810	2863	2919
30°	2747	2830	2894
35°	2687	2784	2872
40°	2595	2737	2838
45°	2510	2683	2808
50°	2414	2633	2774
55°	2306	2584	2747
60°	2198	2544	2741
65°	2059	2500	2758
70°	1906	2513	2832
75°	1707	2561	2992
80°	1379	2712	2927
85°	1038	2380	2321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	3.3
10°-20°	564.1	9.5
20°-30°	848.0	14.3
30°-40°	1010.1	17.0
40°-50°	1033.8	17.4
50°-60°	930.7	15.7
60°-70°	730.9	12.3
70°-80°	474.3	8.0
80°-90°	146.7	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°	1609.5	27.1
0°-40°	2619.6	44.1
0°-60°	4584.0	77.2
0°-90°	5936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2086	2086	2086	2086	2086	
5°	2076	2080	2070	2082	2083	197
15°	1986	1991	1995	2012	2016	560
25°	1804	1819	1838	1868	1874	831
35°	1559	1578	1616	1655	1667	973
45°	1258	1288	1344	1395	1407	970
55°	937	979	1050	1105	1116	840
65°	616	664	748	811	826	614
75°	313	373	470	534	549	331
85°	64	119	147	143	143	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2085.5	2085.5	2085.5	2085.5	2085.5
2.5°	2087.3	2087.3	2077.7	2087.3	2089.1
5°	2075.9	2079.8	2070.2	2081.6	2083.4
7.5°	2064.6	2064.6	2058.9	2070.2	2072.3
10°	2043.9	2045.7	2043.9	2057.1	2058.9
12.5°	2017.5	2021.2	2023.2	2036.4	2038.2
15°	1985.5	1991.2	1994.8	2011.8	2015.7
17.5°	1949.6	1955.3	1964.6	1983.5	1987.3
20°	1906.2	1913.7	1925.1	1949.6	1955.3
22.5°	1859.2	1866.7	1885.5	1908.0	1917.6
25°	1804.4	1819.4	1838.3	1868.5	1874.2
27.5°	1749.7	1762.9	1787.4	1819.4	1827.2
30°	1685.6	1706.3	1736.5	1768.5	1776.0
32.5°	1623.4	1644.1	1679.9	1714.0	1723.3
35°	1559.3	1578.2	1615.9	1655.4	1666.8
37.5°	1485.7	1510.2	1551.8	1591.4	1602.7
40°	1408.5	1438.7	1485.7	1527.3	1540.5
42.5°	1334.9	1366.9	1414.2	1459.4	1474.4
45°	1257.6	1287.8	1344.4	1395.3	1406.7
47.5°	1178.3	1212.4	1272.6	1323.5	1342.4
50°	1099.3	1135.2	1199.2	1252.0	1263.3
52.5°	1020.0	1057.7	1125.6	1182.2	1187.9
55°	937.1	978.7	1050.2	1105.0	1116.3
57.5°	861.7	897.6	974.8	1031.4	1044.5
60°	778.8	818.3	901.2	954.1	970.9
62.5°	699.5	741.0	827.8	880.5	895.5
65°	616.5	663.8	748.5	810.8	825.8
67.5°	545.0	590.2	680.6	741.0	756.0
70°	461.8	513.0	609.1	671.3	686.3
72.5°	390.3	443.0	539.3	599.5	622.2
75°	313.0	373.2	469.6	533.6	548.6
77.5°	237.6	307.4	405.3	454.3	454.3
80°	169.7	243.3	333.7	356.4	360.1
82.5°	111.3	182.9	246.9	245.1	245.1
85°	64.1	118.8	147.0	143.3	143.3
87.5°	24.5	49.1	52.7	52.7	50.9
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)