

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: P732377

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732377
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-3000K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

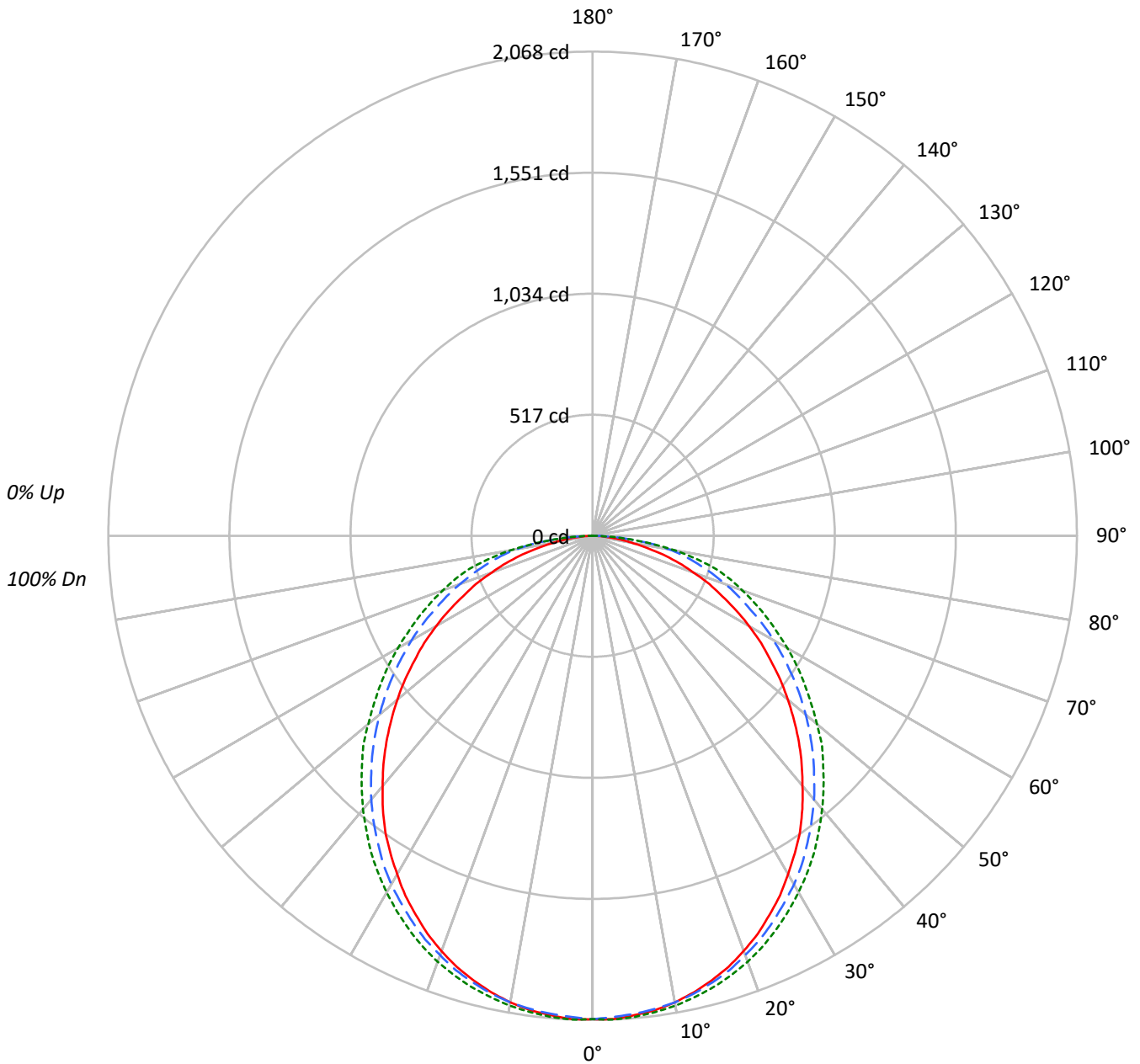
Lumens per Lamp: N/A
Luminaire Lumens: 5877.0 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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°	2914	2914	2914
5°	2912	2904	2922
10°	2900	2900	2921
15°	2872	2886	2916
20°	2835	2863	2907
25°	2782	2834	2890
30°	2720	2802	2866
35°	2660	2756	2843
40°	2569	2710	2810
45°	2485	2657	2780
50°	2390	2607	2746
55°	2283	2559	2719
60°	2176	2518	2713
65°	2038	2475	2730
70°	1887	2488	2804
75°	1690	2535	2962
80°	1365	2685	2897
85°	1027	2356	2298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.5	3.3
10°-20°	558.5	9.5
20°-30°	839.5	14.3
30°-40°	1000.0	17.0
40°-50°	1023.5	17.4
50°-60°	921.5	15.7
60°-70°	723.6	12.3
70°-80°	469.6	8.0
80°-90°	145.2	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°	1593.5	27.1
0°-40°	2593.5	44.1
0°-60°	4538.5	77.2
0°-90°	5877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2065	2065	2065	2065	2065	
5°	2055	2059	2050	2061	2063	195
15°	1966	1971	1975	1992	1996	554
25°	1786	1801	1820	1850	1856	823
35°	1544	1562	1600	1639	1650	963
45°	1245	1275	1331	1381	1393	960
55°	928	969	1040	1094	1105	832
65°	610	657	741	803	818	608
75°	310	370	465	528	543	328
85°	63	118	146	142	142	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2064.7	2064.7	2064.7	2064.7	2064.7
2.5°	2066.5	2066.5	2057.1	2066.5	2068.3
5°	2055.3	2059.1	2049.7	2060.9	2062.7
7.5°	2044.0	2044.0	2038.4	2049.7	2051.7
10°	2023.6	2025.4	2023.6	2036.6	2038.4
12.5°	1997.5	2001.1	2003.1	2016.1	2017.9
15°	1965.8	1971.4	1975.0	1991.9	1995.7
17.5°	1930.2	1935.8	1945.1	1963.7	1967.6
20°	1887.3	1894.7	1905.9	1930.2	1935.8
22.5°	1840.7	1848.1	1866.8	1889.1	1898.5
25°	1786.5	1801.3	1820.0	1849.9	1855.6
27.5°	1732.3	1745.3	1769.6	1801.3	1809.0
30°	1668.9	1689.3	1719.3	1751.0	1758.4
32.5°	1607.2	1627.7	1663.3	1697.0	1706.2
35°	1543.8	1562.5	1599.8	1639.0	1650.2
37.5°	1470.9	1495.2	1536.4	1575.5	1586.8
40°	1394.5	1424.4	1470.9	1512.1	1525.2
42.5°	1321.6	1353.3	1400.1	1444.9	1459.7
45°	1245.1	1275.0	1331.1	1381.4	1392.7
47.5°	1166.6	1200.4	1260.0	1310.4	1329.0
50°	1088.4	1123.9	1187.3	1239.5	1250.8
52.5°	1009.9	1047.2	1114.5	1170.5	1176.1
55°	927.8	968.9	1039.8	1094.0	1105.2
57.5°	853.1	888.6	965.1	1021.1	1034.2
60°	771.0	810.1	892.2	944.6	961.3
62.5°	692.5	733.7	819.6	871.8	886.6
65°	610.4	657.2	741.1	802.7	817.6
67.5°	539.6	584.3	673.8	733.7	748.5
70°	457.3	507.9	603.0	664.6	679.5
72.5°	386.4	438.6	533.9	593.6	616.0
75°	309.9	369.5	464.9	528.3	543.2
77.5°	235.3	304.3	401.2	449.8	449.8
80°	168.0	240.9	330.4	352.9	356.5
82.5°	110.2	181.1	244.5	242.7	242.7
85°	63.4	117.6	145.5	141.9	141.9
87.5°	24.3	48.6	52.2	52.2	50.4
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)